

1946-1956 Scott-Atwater Service Manual – Fourth Edition

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www.acmeoutboards.com

This service manual on CD is broken up into two parts: Volume I and Volume 2.

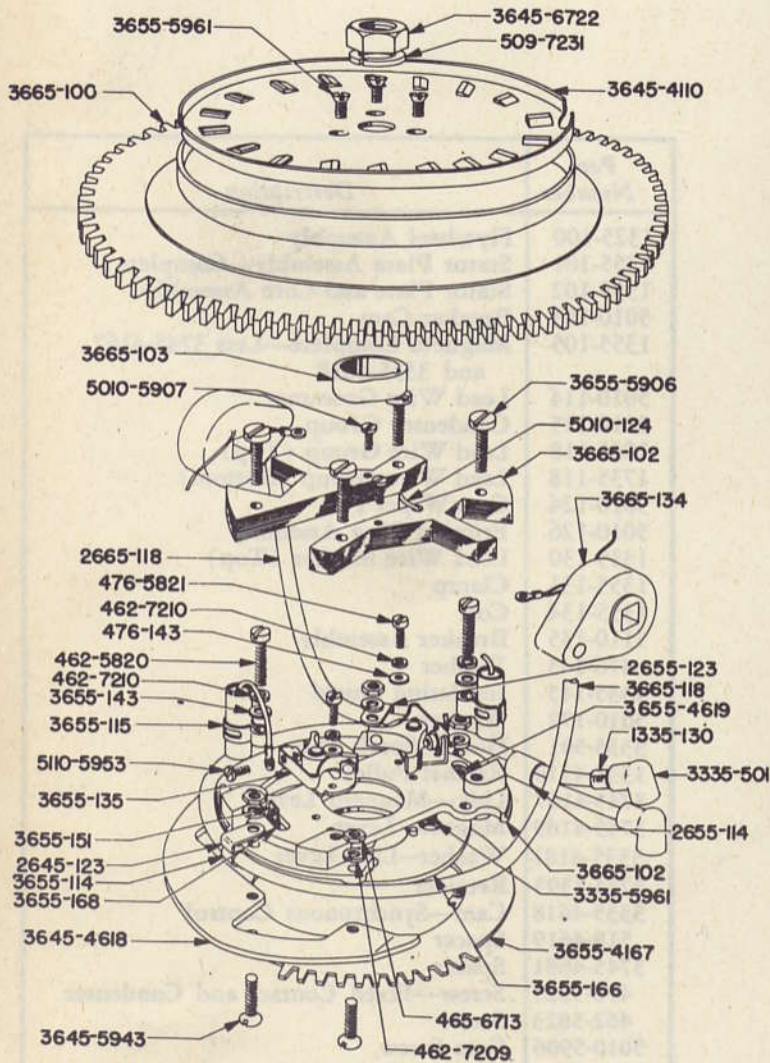
This is the title and index page of Volume 2, which covers the following topics:

- Section E– Ignition information
- Section F – Powerhead information
- Section G – Lower Unit information
- Section H – Powerhead Support information
- Section I – Accessories and Tools
- Section J – Motor Specifications of Other Brands

Good luck and enjoy the manual. We hope it helps you enjoy the fine hobby/avocation of working with vintage and antique outboard motors.

MAGNETO—3665

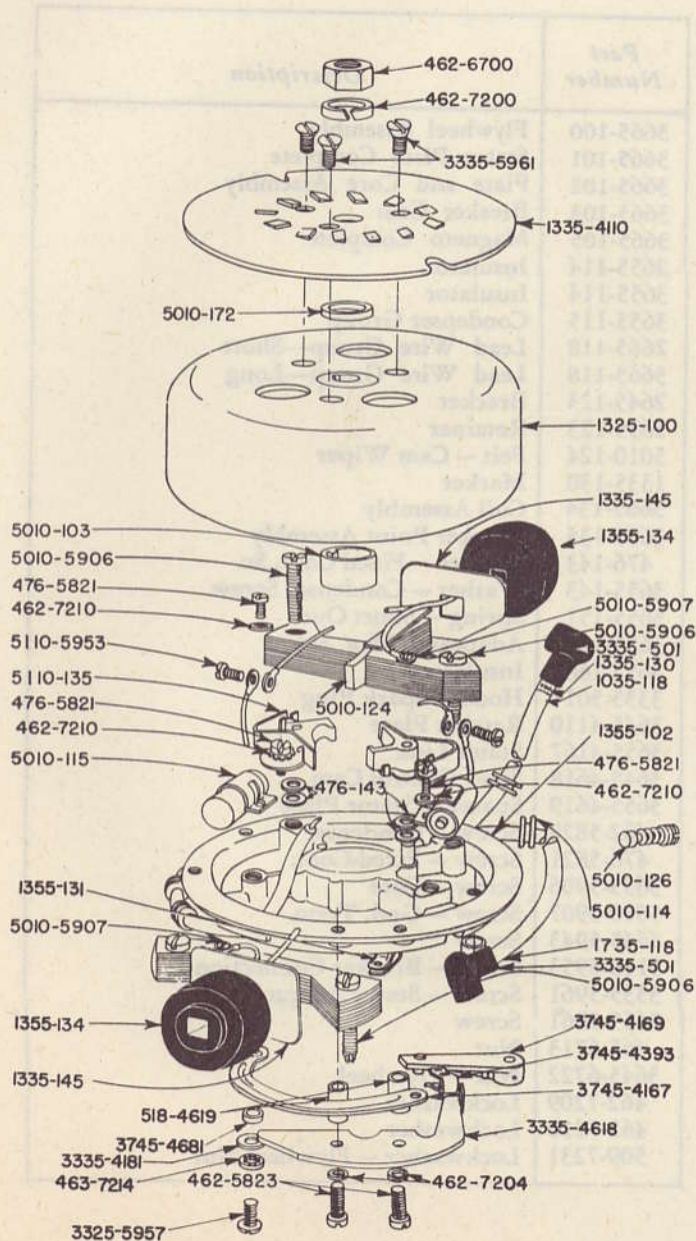
This Magneto is used on Scott-Atwater 33HP Motors above Serial Number 36653317 Manual Starting Models, and Serial Number 3665-3-3127 Electric Starting Models.



Part Number	Description
3665-100	Flywheel Assembly
3665-101	Stator Plate Complete
3665-102	Plate and Core Assembly
3665-103	Breaker Cam
3665-105	Magneto Complete
2655-114	Insulator
3655-114	Insulator
3655-115	Condenser Group
2665-118	Lead Wire Group—Short
3665-118	Lead Wire Group—Long
2645-123	Bracket
2655-123	Retainer
5010-124	Felt — Cam Wiper
1335-130	Marker
3665-134	Coil Assembly
3655-135	Breaker Point Assembly
476-143	Washer — Fixed Cont. Sc.
3655-143	Washer — Condenser Screw
3655-151	Spring — Short Out.
3655-166	Adaptor — Mag. Stator
3655-168	Insulator
3335-501	Hood — Spark Plug
3645-4110	Ratchet Plate
3655-4167	Stator Link
3645-4618	Sync. Control Cam
3655-4619	Spacer — Stator Plate
462-5820	Screw — Condenser
476-5821	Screw — Fixed Cont.
3655-5906	Screw — Core
5010-5907	Screw — Gnd. Term.
3645-5943	Screw
5110-5953	Screw — Breaker Connection
3335-5961	Screw — Stator Adaptor
3655-5961	Screw
465-6713	Nut
3645-6722	Nut — Flywheel
462-7209	Lockwasher
462-7210	Lockwasher
509-7231	Lockwasher — Flywheel Nut

Early 3665 models use 3655 Magneto with 3655-134 Coil Assy

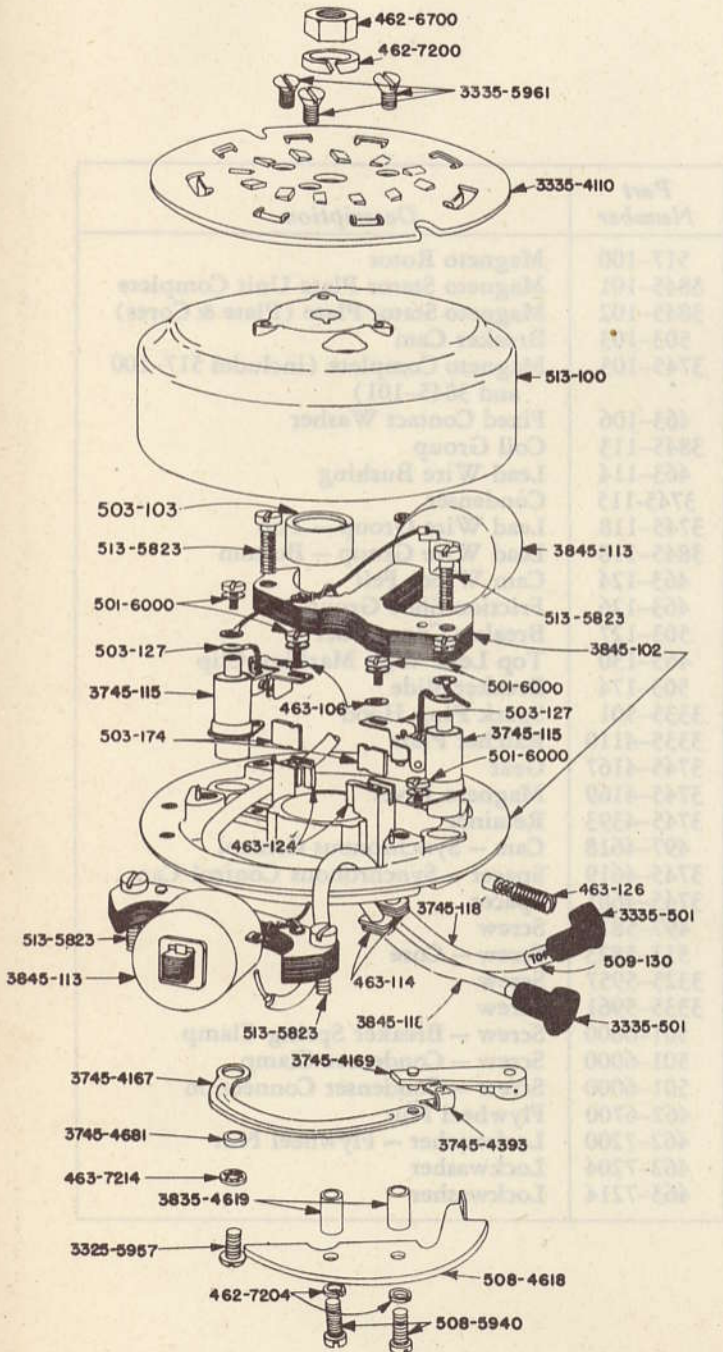
MAGNETO-3365



Part Number	Description
1325-100	Flywheel Assembly
1355-101	Stator Plate Assembly—Complete
1355-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1355-105	Magneto Complete—Less 3745-4167 and 3335-4618
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group (Top)
1735-118	Lead Wire Group (Bottom)
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
1335-130	Lead Wire Marker (Top)
1355-131	Clamp
1355-134	Coil
5110-135	Breaker Assembly
476-143	Washer
1335-145	Insulating Shield
5010-172	Washer
3335-501	Hood—Spark Plug
1335-4110	Ratchet Pulley
3745-4167	Link—Magneto Lever
3745-4169	Magneto Lever
3335-4181	Washer—Link Lever
3745-4393	Retainer
3335-4618	Cam—Synchronous Control
518-4619	Spacer
3745-4681	Spacer
476-5821	Screw—Fixed Contact and Condenser
462-5823	Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
3325-5957	Screw
3335-5961	Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7204	Lock Washer
462-7210	Lock Washer
463-7214	Lockwasher

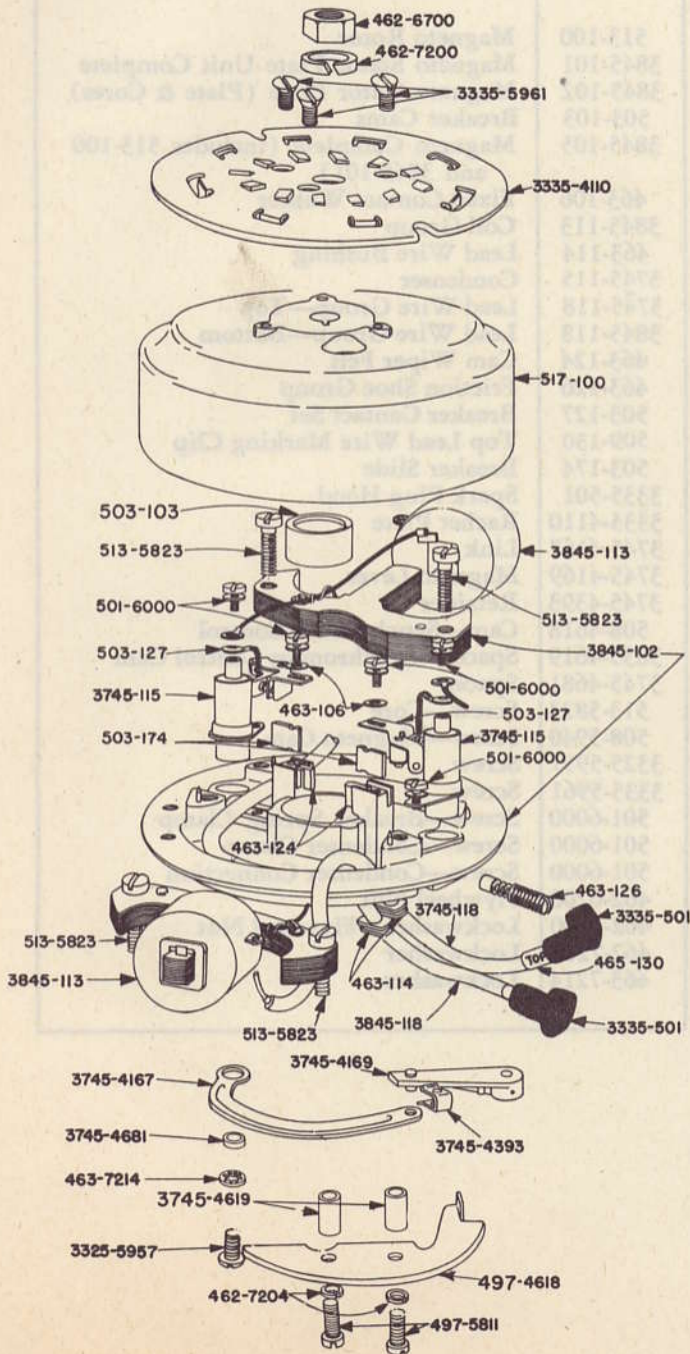
(MAGNETO — 3955 P40)

MAGNETO — 3855



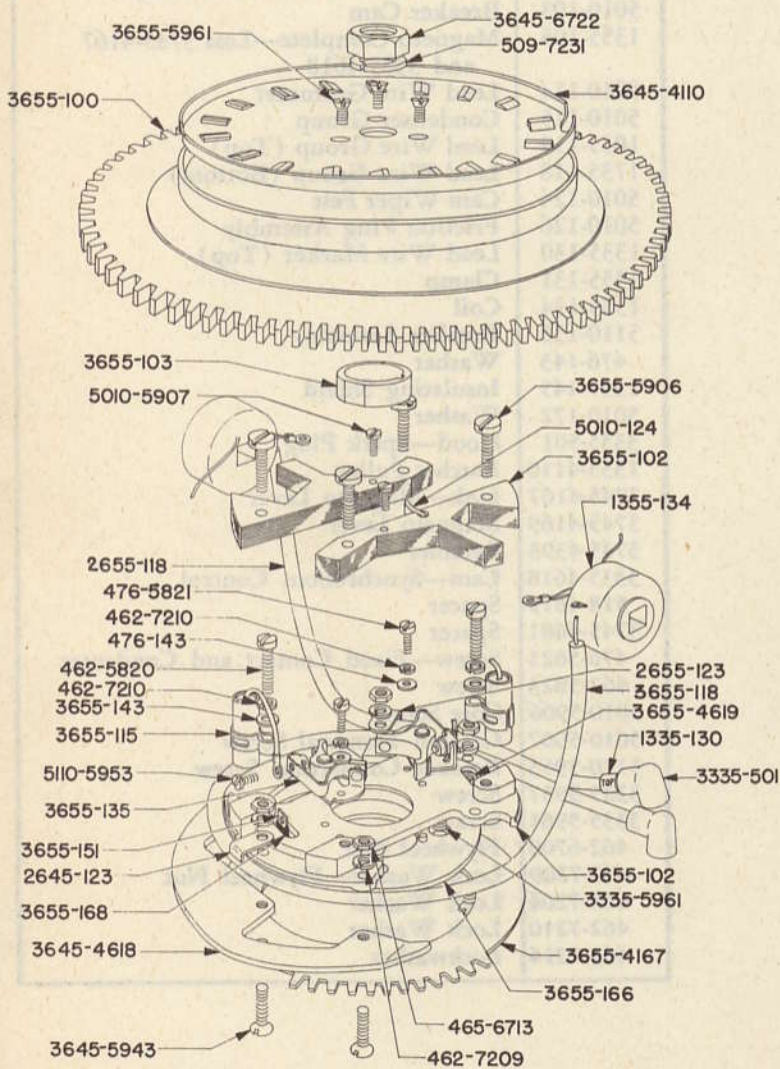
Part Number	Description
513-100	Magneto Rotor
3845-101	Magneto Stator Plate Unit Complete
3845-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cams
3845-105	Magneto Complete (includes 513-100 and 3845-101)
463-106	Fixed Contact Washer
3845-113	Coil Group
463-114	Lead Wire Bushing
3745-115	Condenser
3745-118	Lead Wire Group—Top
3845-118	Lead Wire Group—Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
509-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3745-4167	Link
3745-4169	Magneto Lever
3745-4393	Retainer
508-4618	Cam—Synchronous Control
3835-4619	Spacer—Synchronous Control Cam
3745-4681	Spacer
513-5823	Screw—Core
508-5940	Screw—Magneto Cam
3325-5957	Screw
3335-5961	Screw
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7204	Lockwasher
463-7214	Lockwasher

MAGNETO - 3755



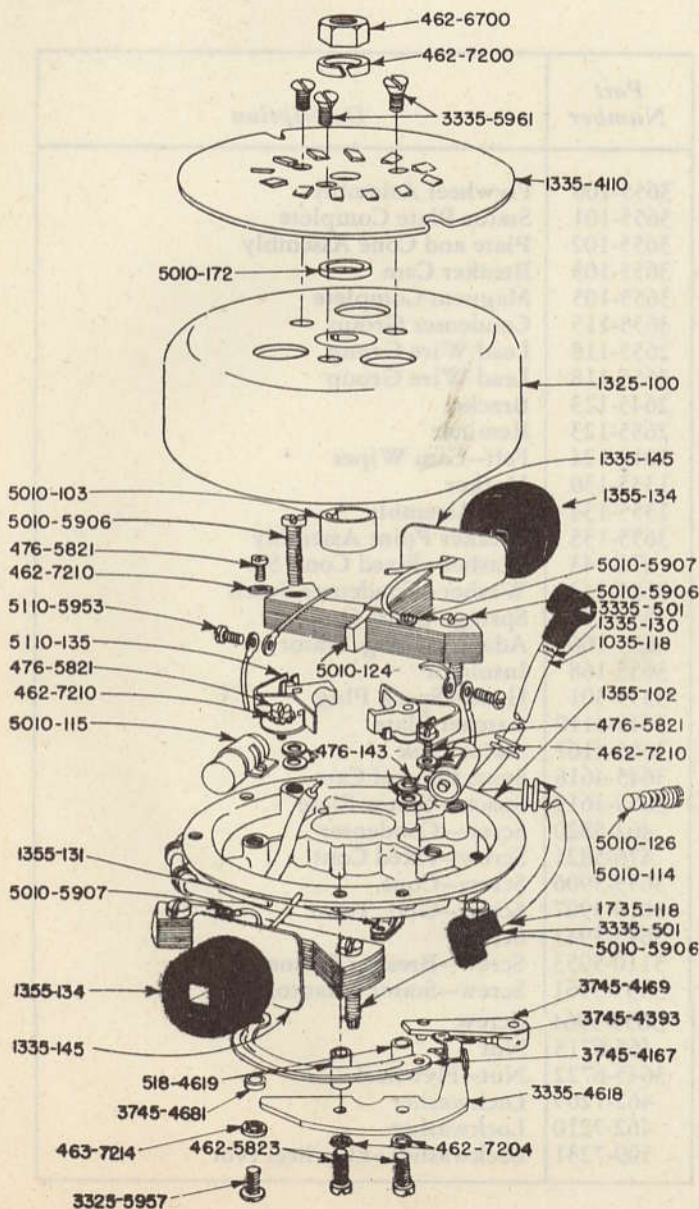
Part Number	Description
517-100	Magneto Rotor
3845-101	Magneto Stator Plate Unit Complete
3845-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
3745-105	Magneto Complete (includes 517-100 and 3845-101)
463-106	Fixed Contact Washer
3845-113	Coil Group
463-114	Lead Wire Bushing
3745-115	Condenser
3745-118	Lead Wire Group - Top
3845-118	Lead Wire Group - Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3745-4167	Gear
3745-4169	Magneto Lever
3745-4393	Retainer
497-4618	Cam - Synchronous Control
3745-4619	Spacer - Synchronous Control Cam
3745-4681	Spacer
497-5811	Screw
513-5823	Screw - Core
3325-5957	Screw
3335-5961	Screw
501-6000	Screw - Breaker Spring Clamp
501-6000	Screw - Condenser Clamp
501-6000	Screw - Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher - Flywheel Nut
462-7204	Lockwasher
463-7214	Lockwasher

MAGNETO — 3655



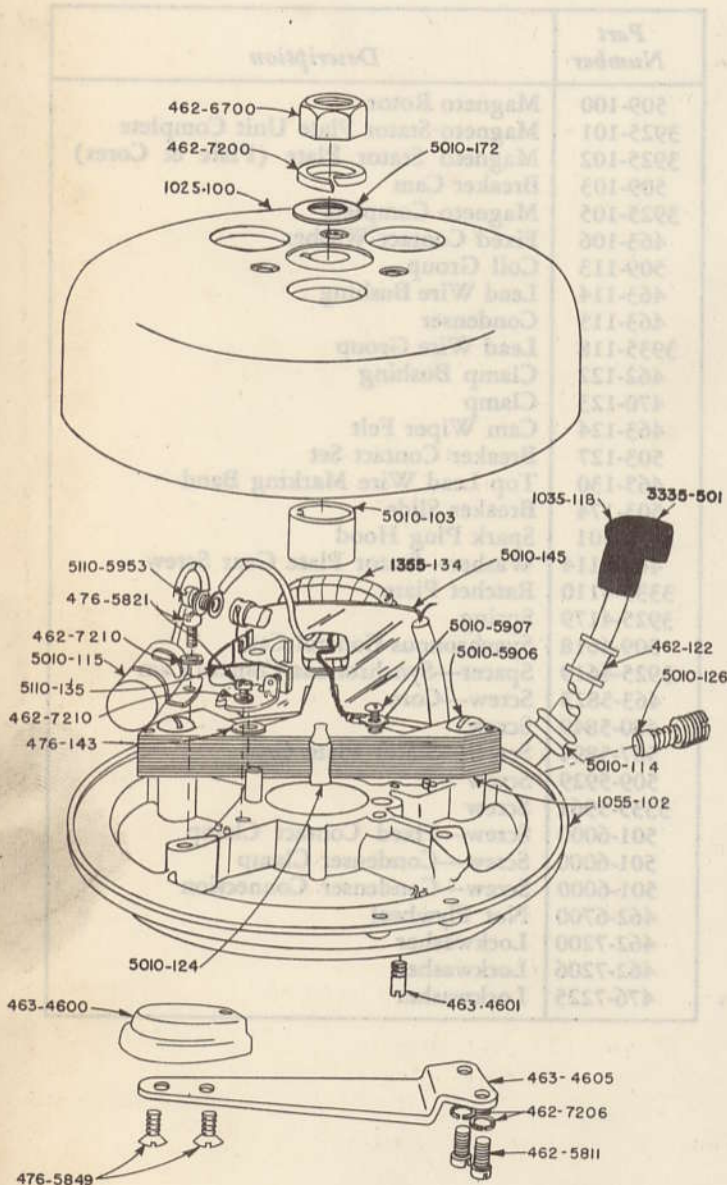
Part Number	Description
3655-100	Flywheel Assembly
3655-101	Stator Plate Complete
3655-102	Plate and Cone Assembly
3655-103	Breaker Cam
3655-105	Magneto Complete
3655-115	Condenser Group
2655-118	Lead Wire Group
3655-118	Lead Wire Group
2645-123	Bracket
2655-123	Retainer
5010-124	Felt—Cam Wiper
1335-130	Marker
1355-134	Coil Assembly
3655-135	Breaker Point Assembly
476-143	Washer—Fixed Cont. Sc.
3655-143	Washer—Condenser Screw
3655-151	Spring—Short Out.
3655-166	Adaptor—Mag. Stator
3655-168	Insulator
3335-501	Hood—Spark Plug
3645-4110	Ratchet Plate
3655-4167	Stator Link
3645-4618	Sync. Control Cam
3655-4619	Spacer—Stator Plate
462-5820	Screw—Condenser
476-5821	Screw—Fixed Cont.
3655-5906	Screw—Cone
5010-5907	Screw—Gnd. Term.
3645-5943	Screw
5110-5953	Screw—Breaker Connection
3335-5961	Screw—Stator Adaptor
3655-5961	Screw
465-6713	Nut
3645-6722	Nut—Flywheel
462-7209	Lockwasher
462-7210	Lockwasher
509-7231	Lockwasher—Flywheel Nut

MAGNETO - 3355



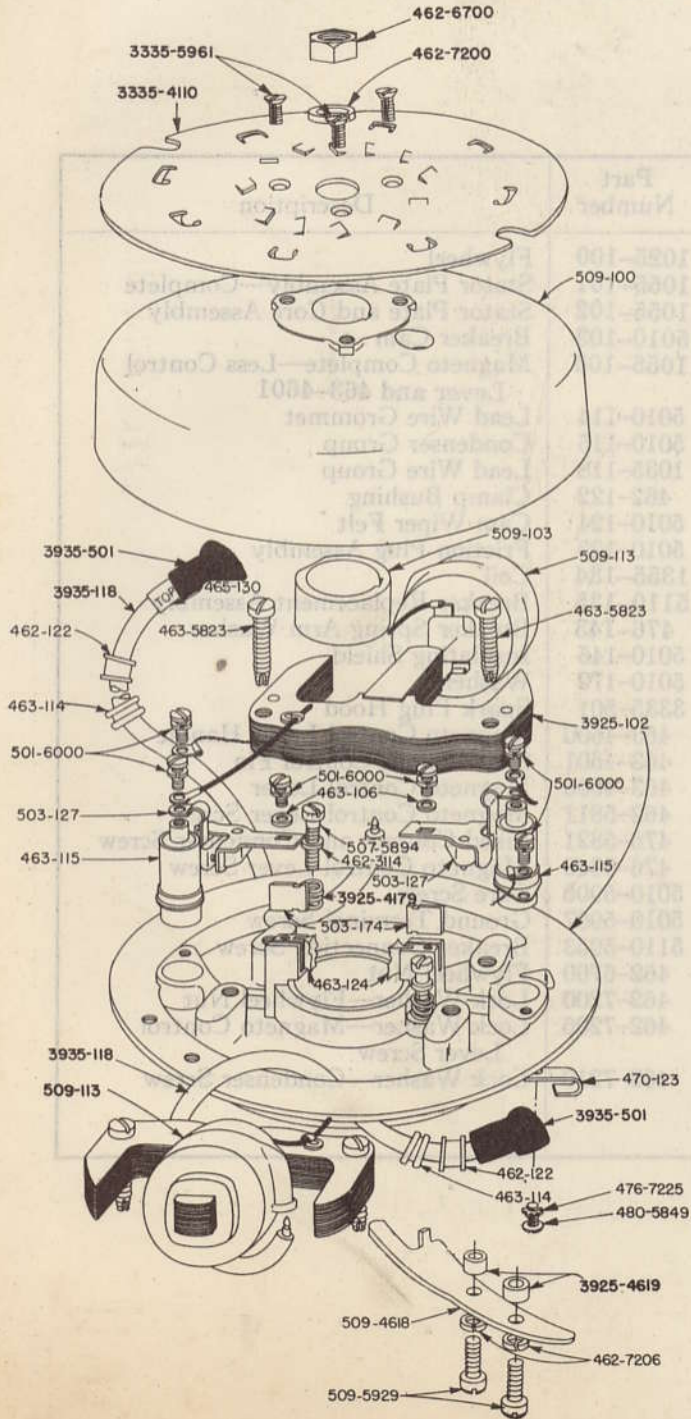
Part Number	Description
1325-100	Flywheel Assembly
1355-101	Stator Plate Assembly—Complete
1355-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1355-105	Magneto Complete—Less 3745-4167 and 3335-4618
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group (Top)
1735-118	Lead Wire Group (Bottom)
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
1335-130	Lead Wire Marker (Top)
1355-131	Clamp
1355-134	Coil
5110-135	Breaker Assembly
476-143	Washer
1335-145	Insulating Shield
5010-172	Washer
3335-501	Hood—Spark Plug
1335-4110	Ratchet Pulley
3745-4167	Link—Magneto Lever
3745-4169	Magneto Lever
3745-4393	Retainer
3335-4618	Cam—Synchronous Control
518-4619	Spacer
3745-4681	Spacer
476-5821	Screw—Fixed Contact and Condenser
462-5823	Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
3325-5957	Screw
3335-5961	Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7204	Lock Washer
462-7210	Lock Washer
463-7214	Lockwasher

MAGNETO - 3055



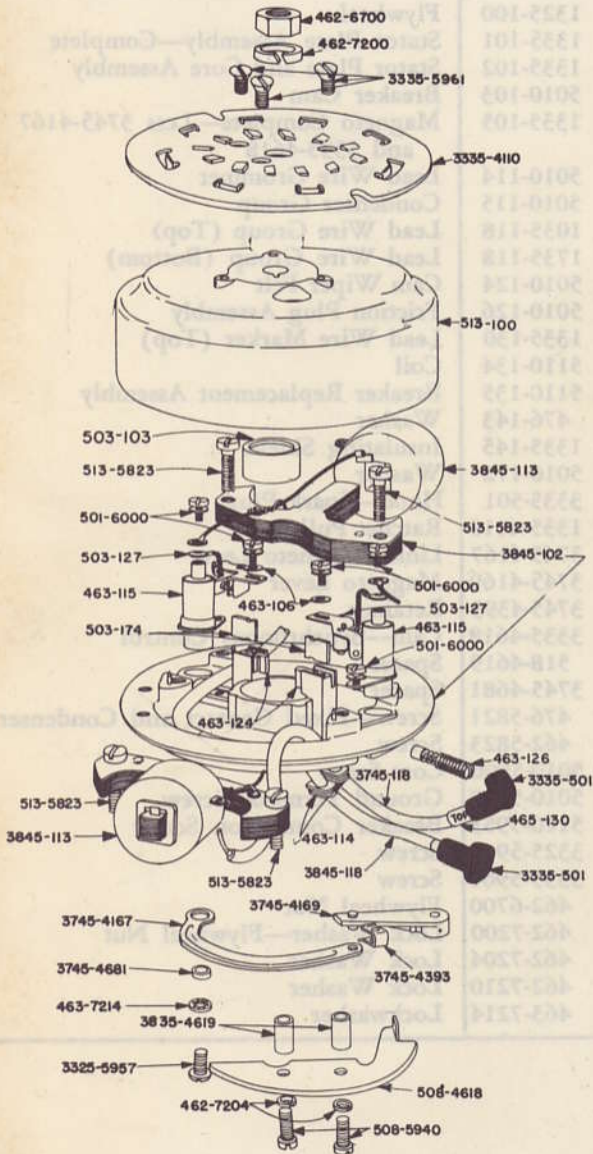
Part Number	Description
1025-100	Flywheel
1055-101	Stator Plate Assembly—Complete
1055-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1055-105	Magneto Complete—Less Control Lever and 463-4601
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group
462-122	Clamp Bushing
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
1355-134	Coil
5110-135	Breaker Replacement Assembly
476-143	Breaker Spring Arm Washer
5010-145	Insulating Shield
5010-172	Washer
3335-501	Spark Plug Hood
463-4600	Magneto Control Lever Handle
463-4601	Synchronous Control Pin
463-4605	Magneto Control Lever
462-5811	Magneto Control Lever Screw
476-5821	Fixed Contact and Condenser Screw
476-5849	Magneto Control Lever Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7206	Lock Washer—Magneto Control Lever Screw
462-7210	Lock Washer—Condenser Screw

MAGNETO - 3945



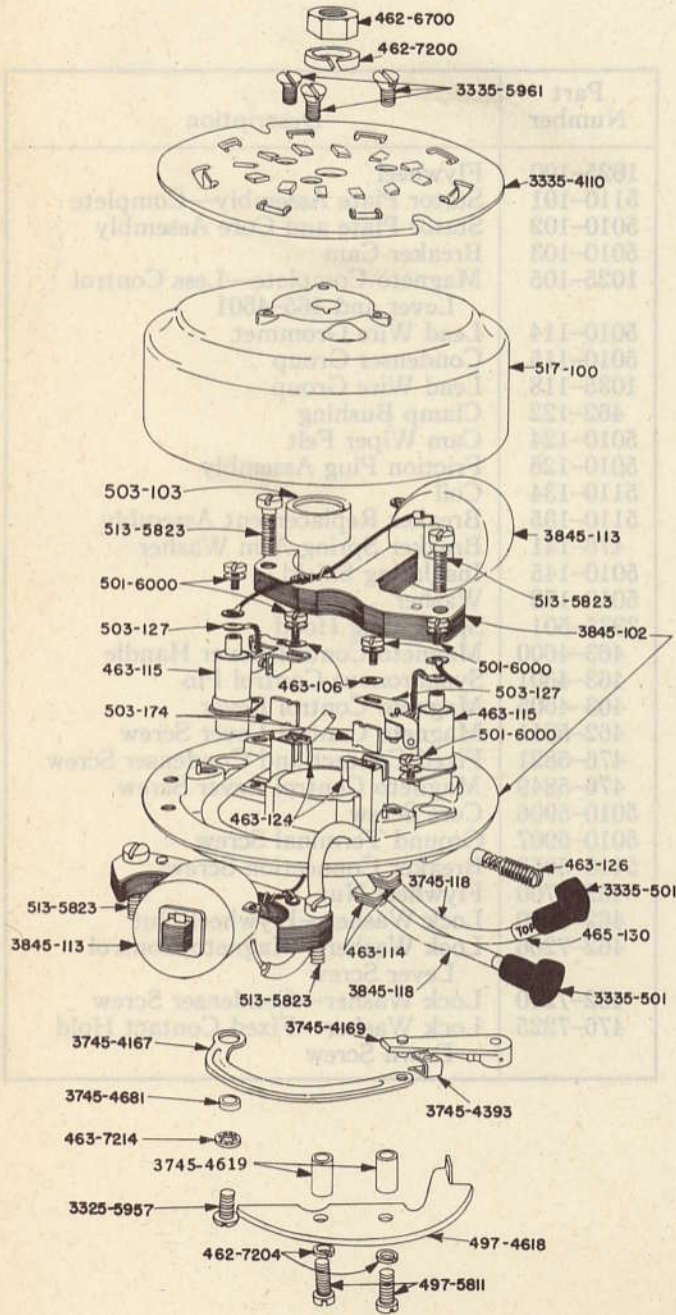
Part Number	Description
509-100	Magneto Rotor
3925-101	Magneto Stator Plate Unit Complete
3925-102	Magneto Stator Plate (Plate & Cores)
509-103	Breaker Cam
3925-105	Magneto Complete
463-106	Fixed Contact Washer
509-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3935-118	Lead Wire Group
462-122	Clamp Bushing
470-123	Clamp
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Band
503-174	Breaker Slide
3935-501	Spark Plug Hood
462-3114	Washer—Stator Plate Gear Screw
3335-4110	Ratchet Plate
3925-4179	Spring
509-4618	Synchronous Control Cam
3925-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
480-5849	Screw
507-5894	Screw—Stator Plate Gear
509-5929	Screw
3335-5961	Screw
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Nut Flywheel
462-7200	Lockwasher
462-7206	Lockwasher
476-7225	Lockwasher

MAGNETO - 3845



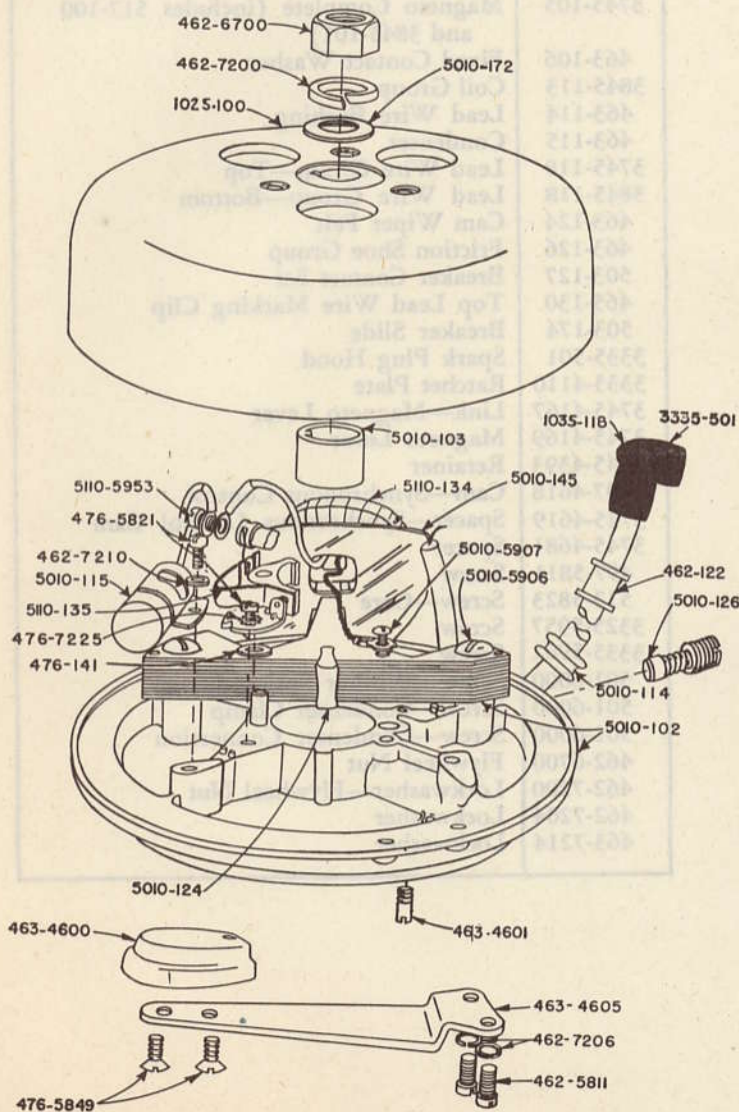
Part Number	Description
513-100	Magneto Rotor
3845-101	Magneto Stator Plate Unit Complete
3845-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cams
3845-105	Magneto Complete (includes 513-100 and 3845-101)
463-106	Fixed Contact Washer
3845-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3745-118	Lead Wire Group—Top
3845-118	Lead Wire Group—Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3745-4167	Link
3745-4169	Magneto Lever
3745-4393	Retainer
508-4618	Cam—Synchronous Control
3835-4619	Spacer—Synchronous Control Cam
3745-4681	Spacer
513-5823	Screw—Core
508-5940	Screw—Magneto Cam
3335-5961	Screw
3325-5957	Screw
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7204	Lockwasher
463-7214	Lockwasher

MAGNETO - 3745



Part Number	Description
517-100	Magneto Rotor
3845-101	Magneto Stator Plate Unit Complete
3845-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
3745-105	Magneto Complete (includes 517-100 and 3845-101)
463-106	Fixed Contact Washer
3845-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3745-118	Lead Wire Group—Top
3845-118	Lead Wire Group—Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3745-4167	Link—Magneto Lever
3745-4169	Magneto Lever
3745-4393	Retainer
497-4618	Cam—Synchronous Control
3745-4619	Spacer—Synchronous Control Cam
3745-4681	Spacer
497-5811	Screw
513-5823	Screw—Core
3325-5957	Screw
3335-5961	Screw
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7204	Lockwasher
463-7214	Lockwasher

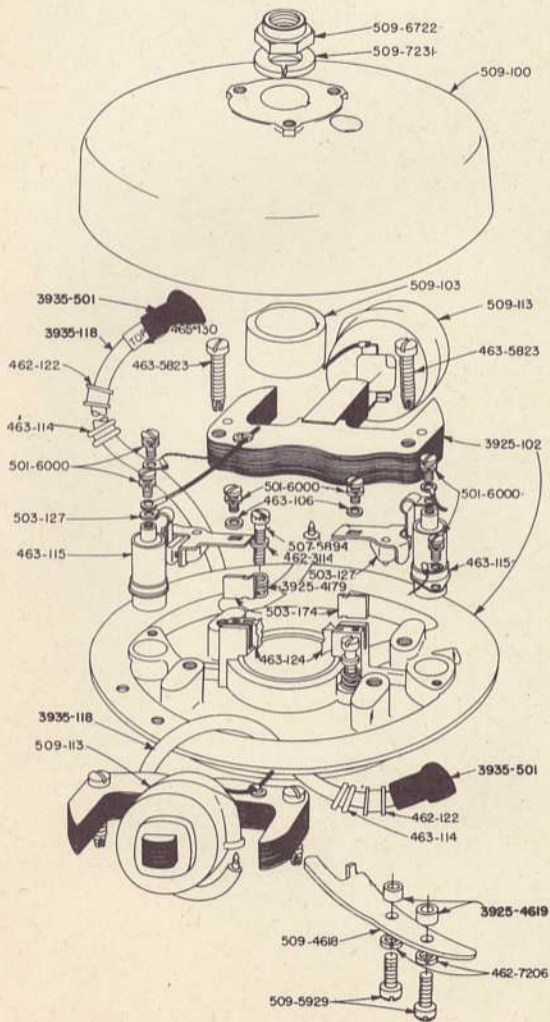
MAGNETO - 3045



Part Number	Description
1025-100	Flywheel
5110-101	Stator Plate Assembly—Complete
5010-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1025-105	Magneto Complete—Less Control Lever and 465-4601
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group
462-122	Clamp Bushing
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
5110-134	Coil
5110-135	Breaker Replacement Assembly
476-141	Breaker Spring Arm Washer
5010-145	Insulating Shield
5010-172	Washer
3335-501	Spark Plug Hood
463-4600	Magneto Control Lever Handle
463-4601	Synchronous Control Pin
463-4605	Magneto Control Lever
462-5811	Magneto Control Lever Screw
476-5821	Fixed Contact and Condenser Screw
476-5849	Magneto Control Lever Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7206	Lock Washer—Magneto Control Lever Screw
462-7210	Lock Washer—Condenser Screw
476-7225	Lock Washer—Fixed Contact Hold Down Screw

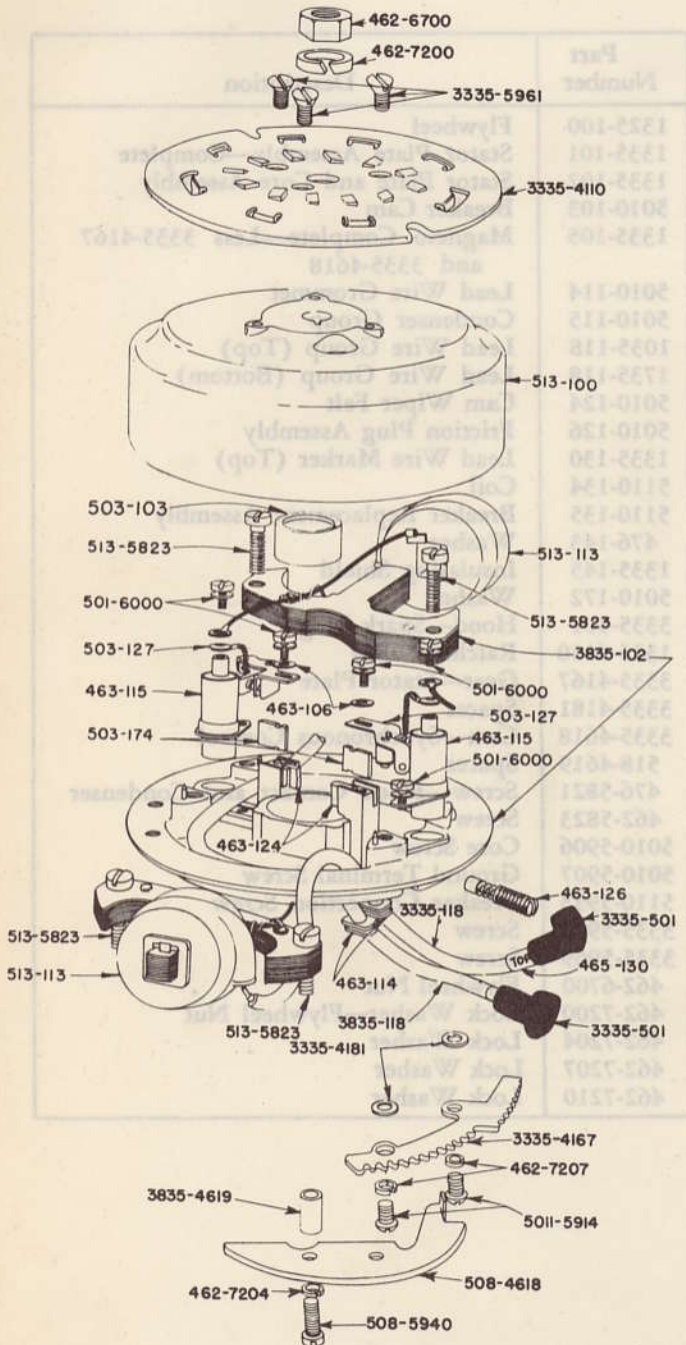
EARLY MODELS SAME AS 3925

MAGNETO A3935



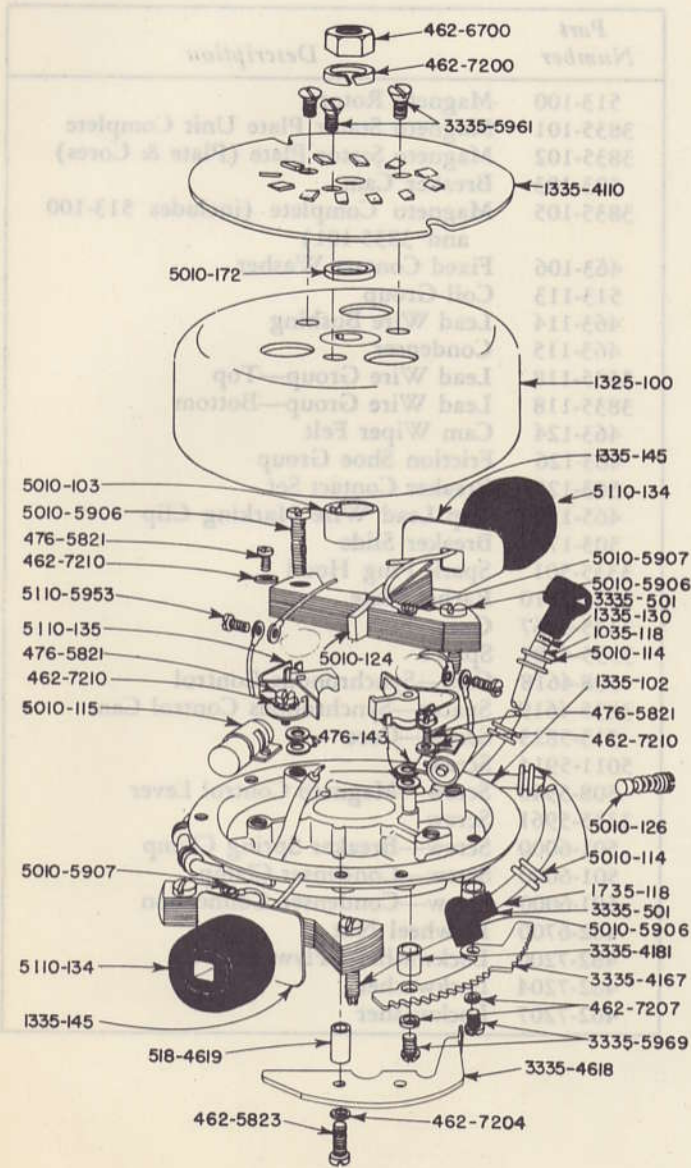
Part Number	Description
509-100	Magneto Rotor
3925-101	Magneto Stator Plate Unit Complete
3925-102	Magneto Stator Plate (Plate & Cores)
509-103	Breaker Cam
3925-105	Magneto Complete
463-106	Fixed Contact Washer
509-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3935-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Band
503-174	Breaker Slide
3935-501	Spark Plug Hood
462-3114	Washer—Stator Plate Gear Screw
3925-4179	Spring
509-4618	Synchronous Control Cam
3925-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
507-5894	Screw—Stator Plate Gear
509-5929	Screw
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
509-6722	Nut Flywheel
462-7206	Lockwasher
509-7231	Lockwasher—Flywheel Nut

MAGNETO 3835



Part Number	Description
513-100	Magneto Rotor
3835-101	Magneto Stator Plate Unit Complete
3835-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
3835-105	Magneto Complete (includes 513-100 and 3835-101)
463-106	Fixed Contact Washer
513-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3335-118	Lead Wire Group—Top
3835-118	Lead Wire Group—Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3335-4167	Gear
3335-4181	Spacer
508-4618	Cam—Synchronous Control
3835-4619	Spacer—Synchronous Control Cam
513-5823	Screw—Core
5011-5914	Screw
508-5940	Screw—Magneto Control Lever
3335-5961	Screw
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7204	Lockwasher
462-7207	Lockwasher

MAGNETO 3335

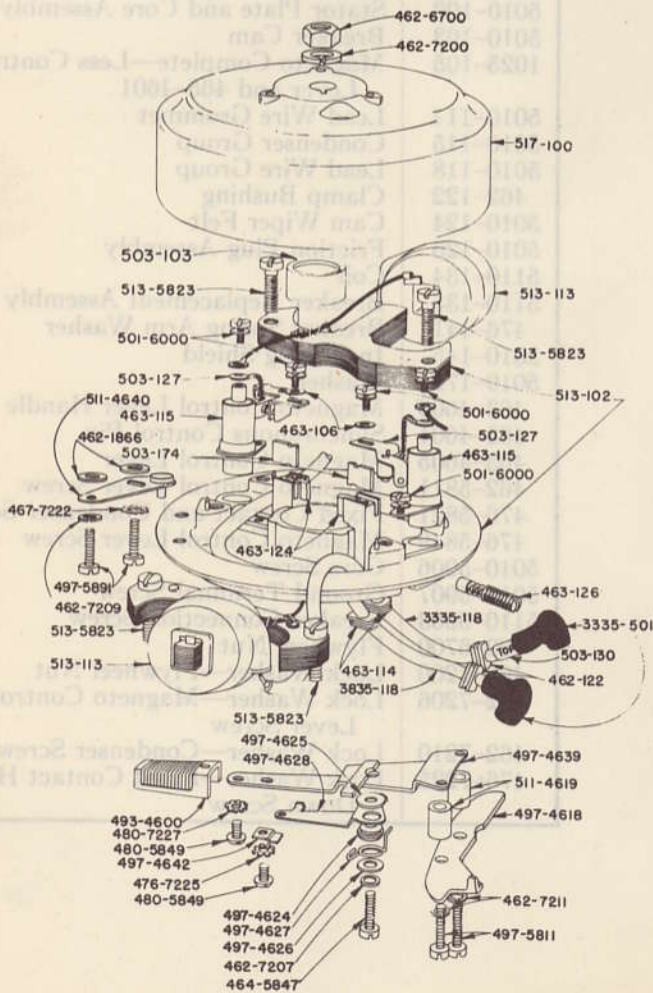


Part Number	Description
1325-100	Flywheel
1335-101	Stator Plate Assembly—Complete
1335-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1335-105	Magneto Complete—Less 3335-4167 and 3335-4618
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group (Top)
1735-118	Lead Wire Group (Bottom)
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
1335-130	Lead Wire Marker (Top)
5110-134	Coil
5110-135	Breaker Replacement Assembly
476-143	Washer
1335-145	Insulating Shield
5010-172	Washer
5010-5906	Core Screw
3335-501	Hood—Spark Plug
1335-130	Ratchet Pulley
1035-118	Lead Wire Group (Top)
5010-114	Washer
3335-4167	Gear—Stator Plate
3335-4181	Spacer
3335-4618	Cam—Synchronous Control
518-4619	Spacer
476-5821	Screw—Fixed Contact and Condenser
462-5823	Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
3335-5961	Screw
3335-5969	Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7204	Lock Washer
462-7207	Lock Washer
462-7210	Lock Washer

MAGNETO 3735

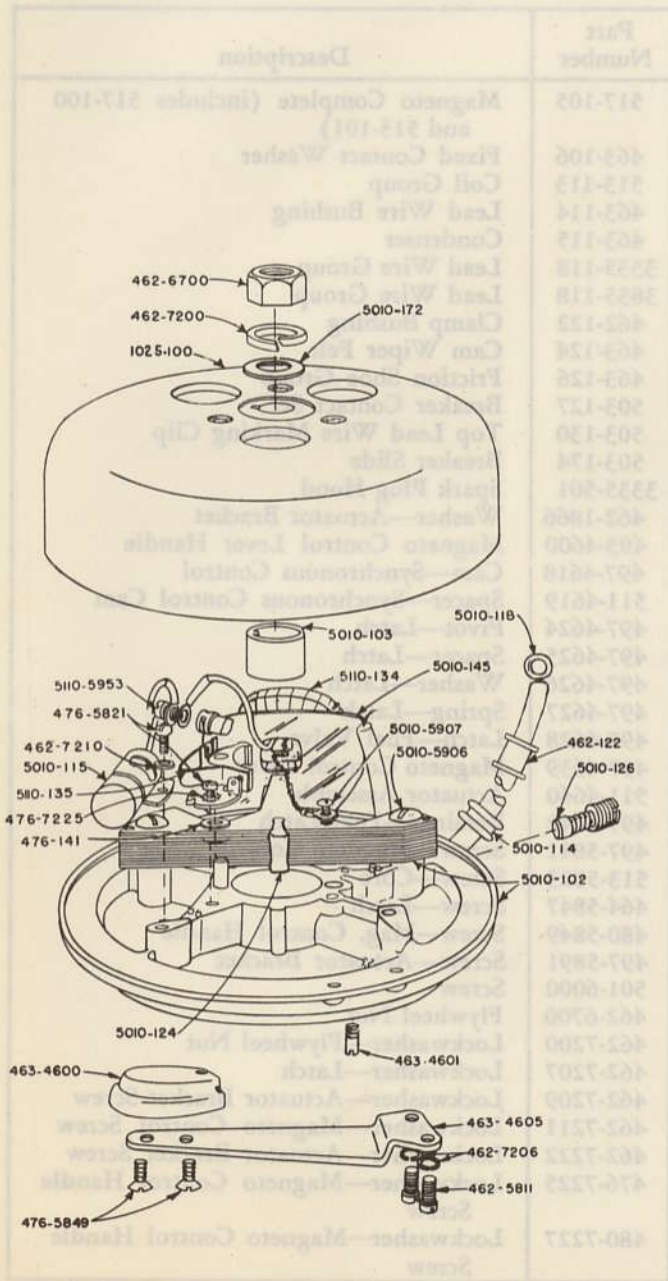
Part Number	Description
517-100	Magneto Rotor
513-101	Magneto Stator Plate Unit Complete
513-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam

Part Number	Description
517-105	Magneto Complete (includes 517-100 and 513-101)
463-106	Fixed Contact Washer
513-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3335-118	Lead Wire Group
3835-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
462-1866	Washer—Actuator Bracket
493-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
511-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
513-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Screw
462-7222	Lockwasher—Actuator Bracket Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw



MAGNETO 3035

MAGNETO 3035



Part Number	Description
517-100	Magneto Rotor
517-101	Magneto Stator Plate Unit Complete
517-102	Magneto Stator Plate (Plate & Cores)
503-102	Breaker Cam

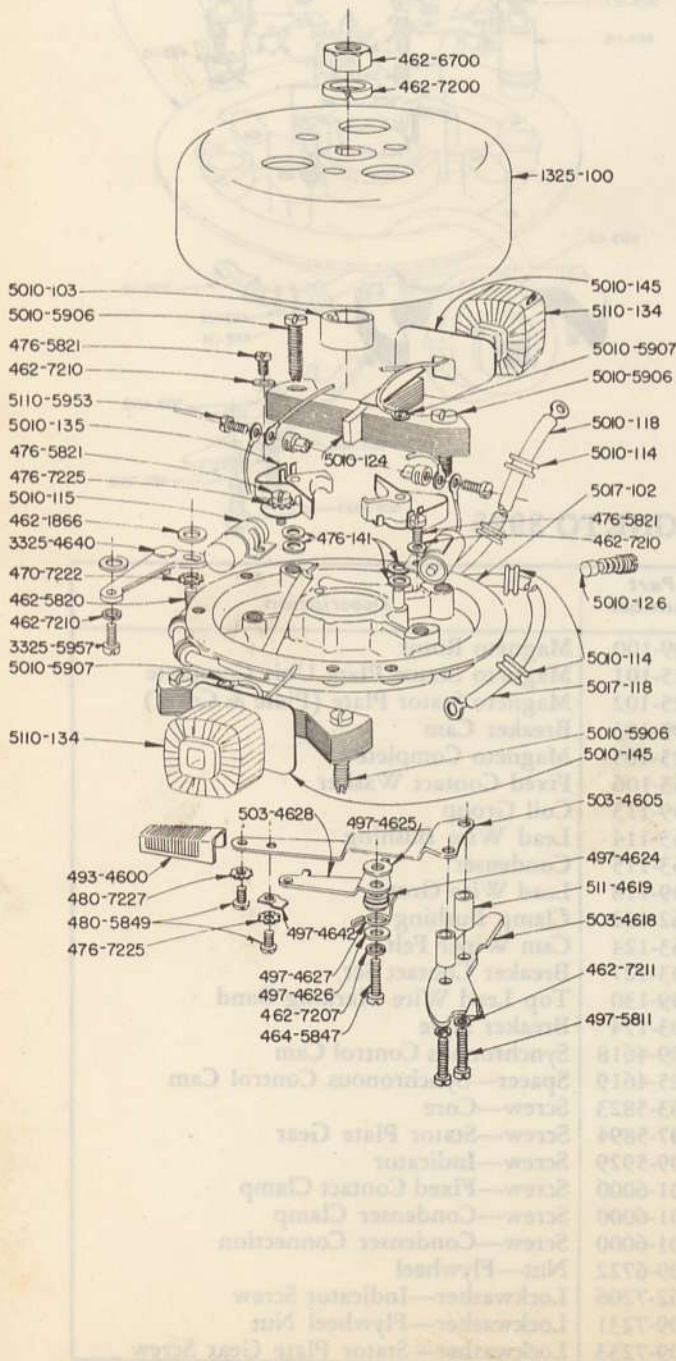
Part Number	Description
1025-100	Flywheel
5110-101	Stator Plate Assembly—Complete
5010-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1025-105	Magneto Complete—Less Control Lever and 465-4601
5010-114	Lead Wire Grommet
5010-115	Condenser Group
5010-118	Lead Wire Group
462-122	Clamp Bushing
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
5110-134	Coil
5110-135	Breaker Replacement Assembly
476-141	Breaker Spring Arm Washer
5010-145	Insulating Shield
5010-172	Washer
463-4600	Magneto Control Lever Handle
463-4601	Synchronous Control Pin
463-4605	Magneto Control Lever
462-5811	Magneto Control Lever Screw
476-5821	Fixed Contact and Condenser Screw
476-5849	Magneto Control Lever Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7206	Lock Washer—Magneto Control Lever Screw
462-7210	Lock Washer—Condenser Screw
476-7225	Lock Washer—Fixed Contact Hold Down Screw

MAGNETO 3725 - See Page P23

MAGNETO 3825 - See Page P27

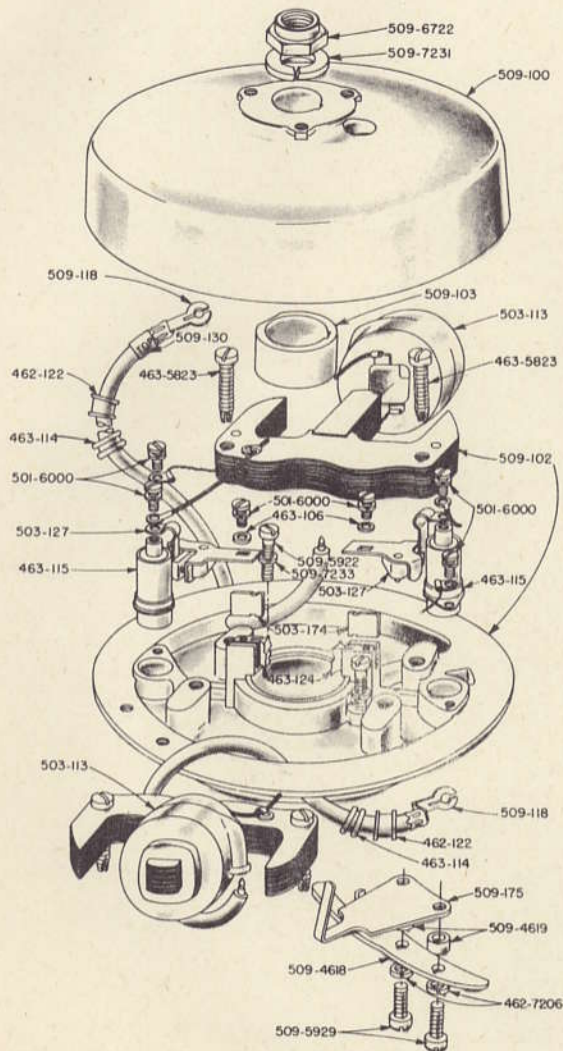
MAGNETO 3325

Part Number	Description
1325-100	Magneto Rotor
1325-101	Magneto Stator Plate Unit Complete
5017-102	Magneto Stator Plate (Plate & Cores)
5010-103	Breaker Cam



Part Number	Description
1325-105	Magneto Complete (includes 1325-100 and 1325-101)
5010-114	Lead Wire Grommet
5010-115	Condenser Group
5010-118	Lead Wire Group—Top
5017-118	Lead Wire Group—Bottom
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
5110-134	Coil
5110-135	Breaker Replacement Assembly
476-141	Breaker Arm Spring Washer
5010-145	Insulating Shield
462-1866	Washer—Actuator Bracket
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
503-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
3325-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
462-5820	Screw—Actuator Bracket
476-5821	Fixed Contact and Condenser Screw
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
3325-5957	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7210	Lock washer—Condenser—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Screw
467-7222	Lockwasher—Actuator Bracket Screw
476-7225	Lockwasher—Magneto Control Handle Fixed Hold Down Screw
480-7227	Lockwasher—Magneto Control Handle Screw

WICO MAGNETO 519

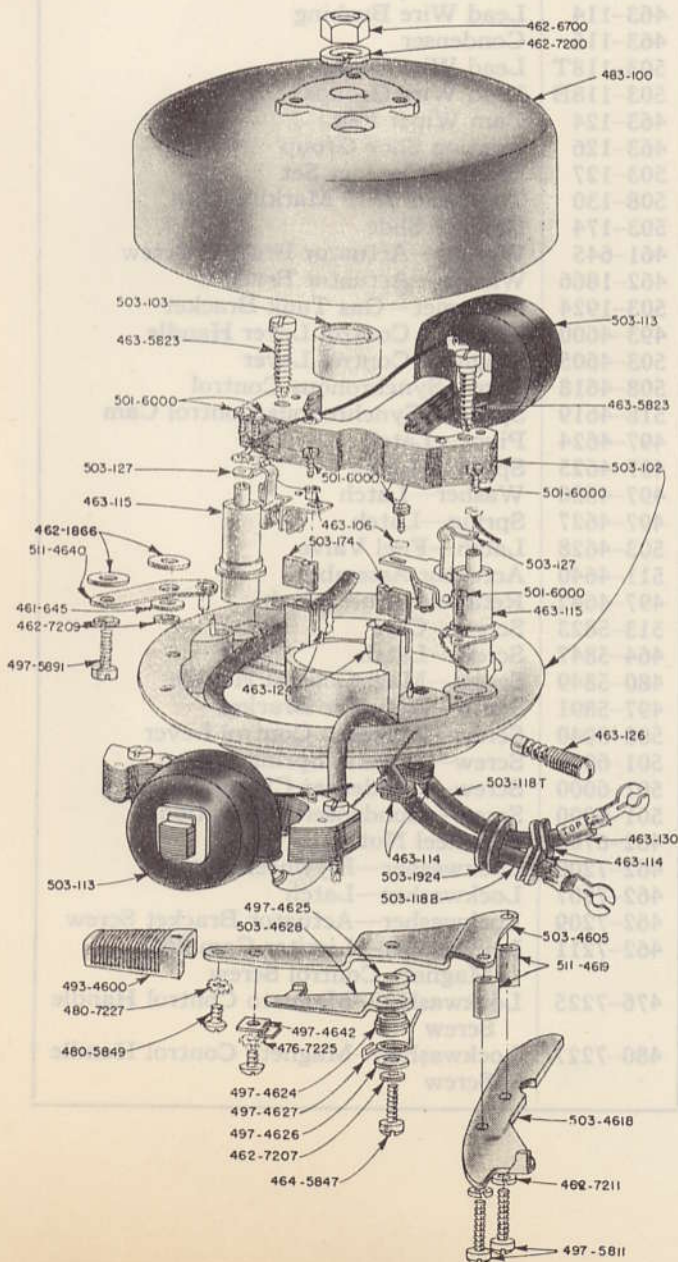


<i>Part Number</i>	<i>Description</i>
509-100	Magneto Rotor
509-101	Magneto Stator Plate Unit Complete
509-102	Magneto Stator Plate (Plate & Cores)
509-103	Breaker Cam
509-105	Magneto Complete
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
509-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
509-130	Top Lead Wire Marking Band
503-174	Breaker Slide
509-175	Indicator—Stator Plate
509-4618	Synchronous Control Cam
509-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
509-5922	Screw—Stator Plate Gear
509-5929	Screw—Indicator
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
509-6722	Nut—Flywheel
462-7206	Lockwasher—Indicator Screw
509-7231	Lockwasher—Flywheel Nut
509-7233	Lockwasher—Stator Plate Gear Screw

WICO MAGNETO 513 (Early Models)

Part Number	Description
483-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam

Part Number	Description
503-105	Magneto Complete (includes 483-100 and 503-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Groups
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
463-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
462-1866	Washer—Actuator Bracket
503-1924	Grommet—Gas Tank Bracket
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
503-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
511-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
463-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

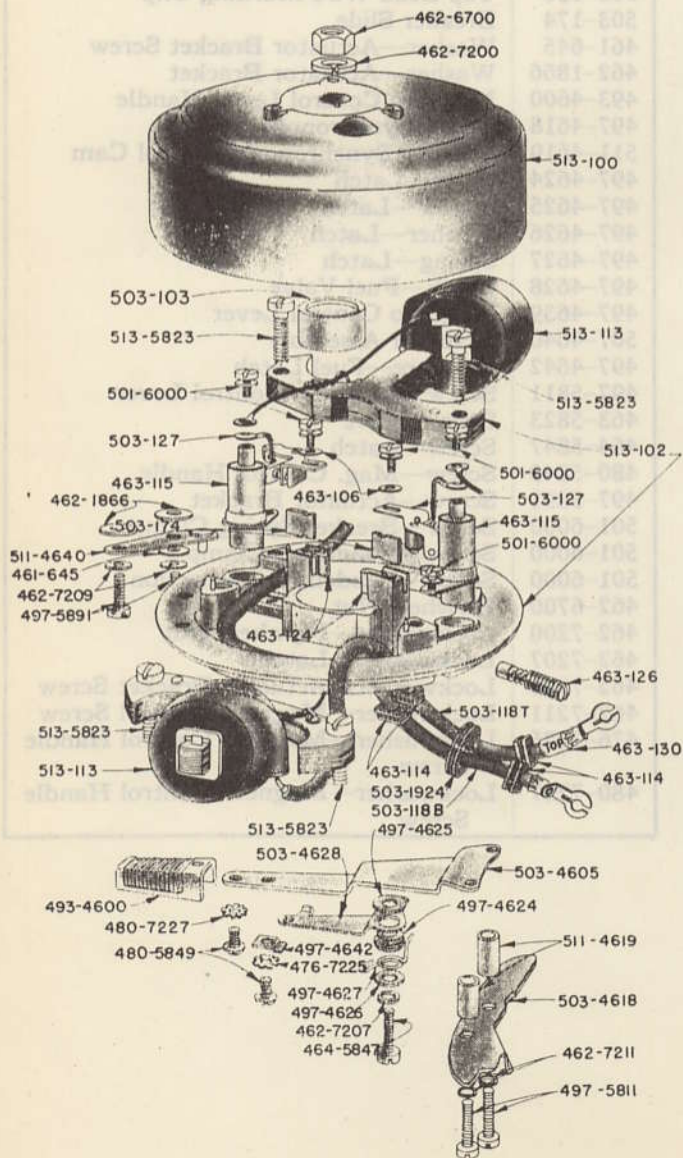


WICO MAGNETO 513

(See next page for Magneto used on early models)

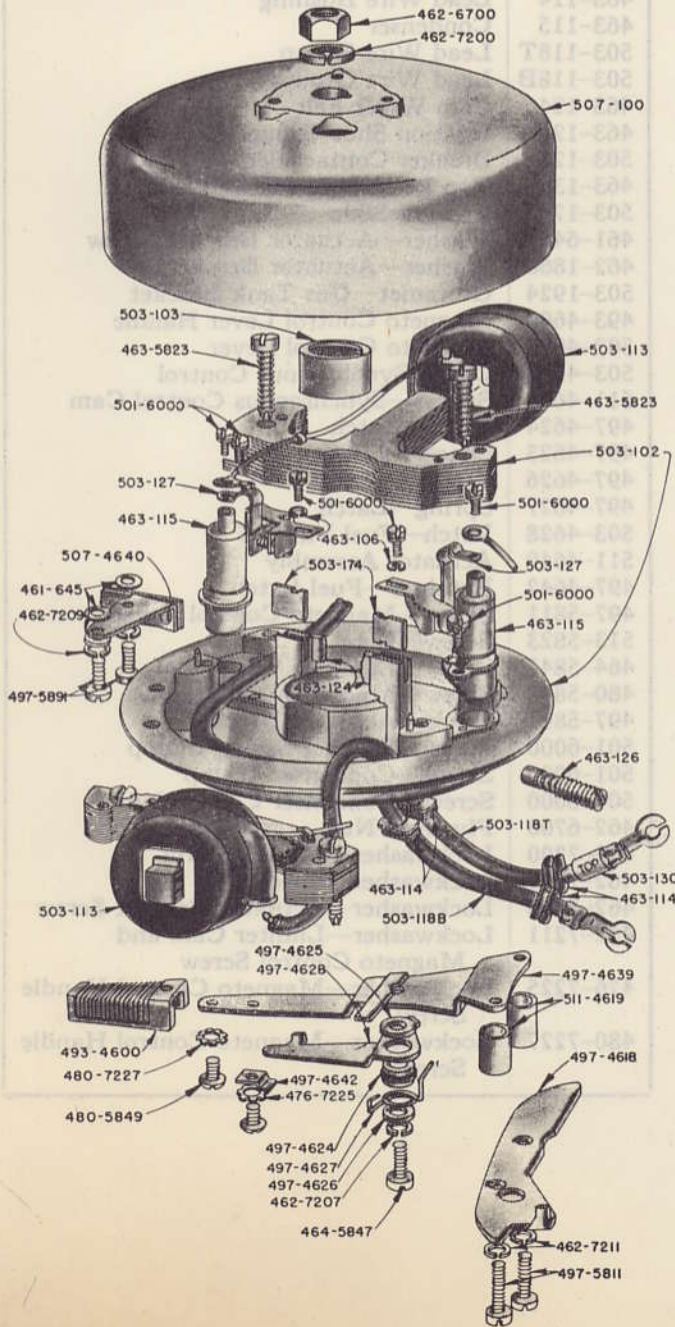
Part Number	Description
513-100	Magneto Rotor
513-101	Magneto Stator Plate Unit Complete
513-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam

Part Number	Description
513-105	Magneto Complete (includes 513-100 and 513-101)
463-106	Fixed Contact Washer
513-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Groups
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
463-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
462-1866	Washer—Actuator Bracket
503-1924	Grommet—Gas Tank Bracket
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
503-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
511-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
513-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw



WICO MAGNETO 517 (Early Models)

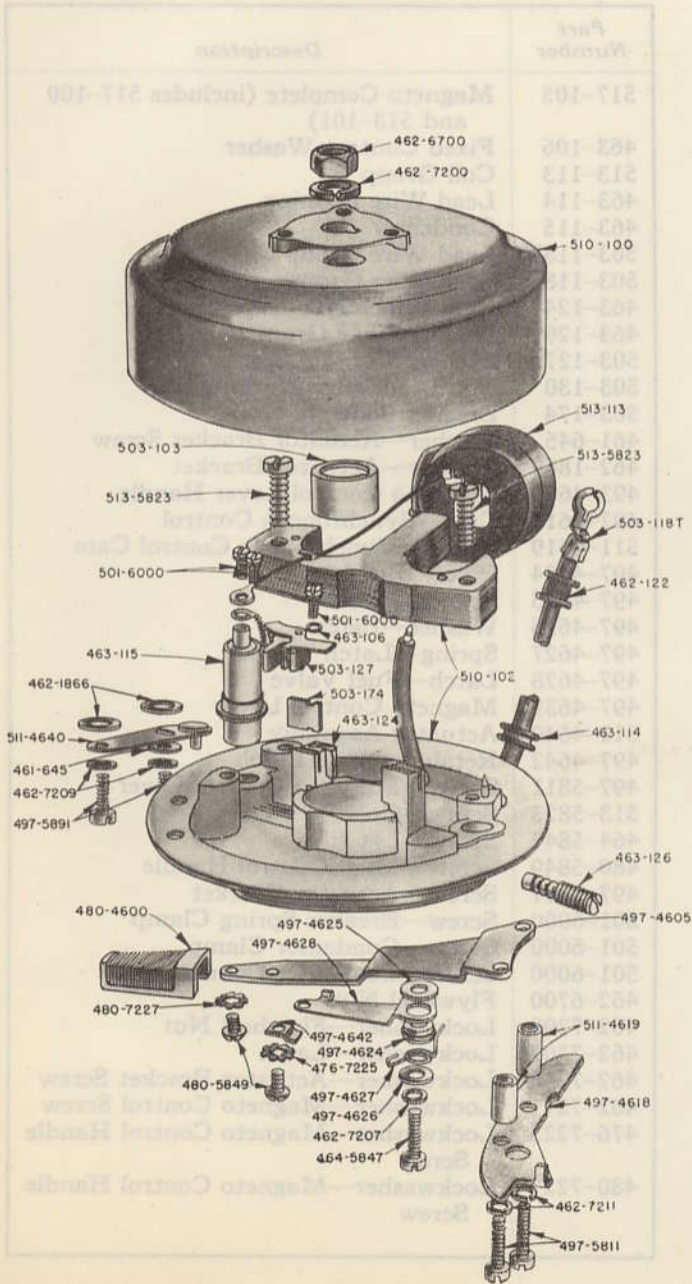
Part Number	Description
507-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam



Part Number	Description
507-105	Magneto Complete (includes 507-100 and 503-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Group
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
462-1866	Washer—Actuator Bracket
493-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
507-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
463-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

WICO MAGNETO 511

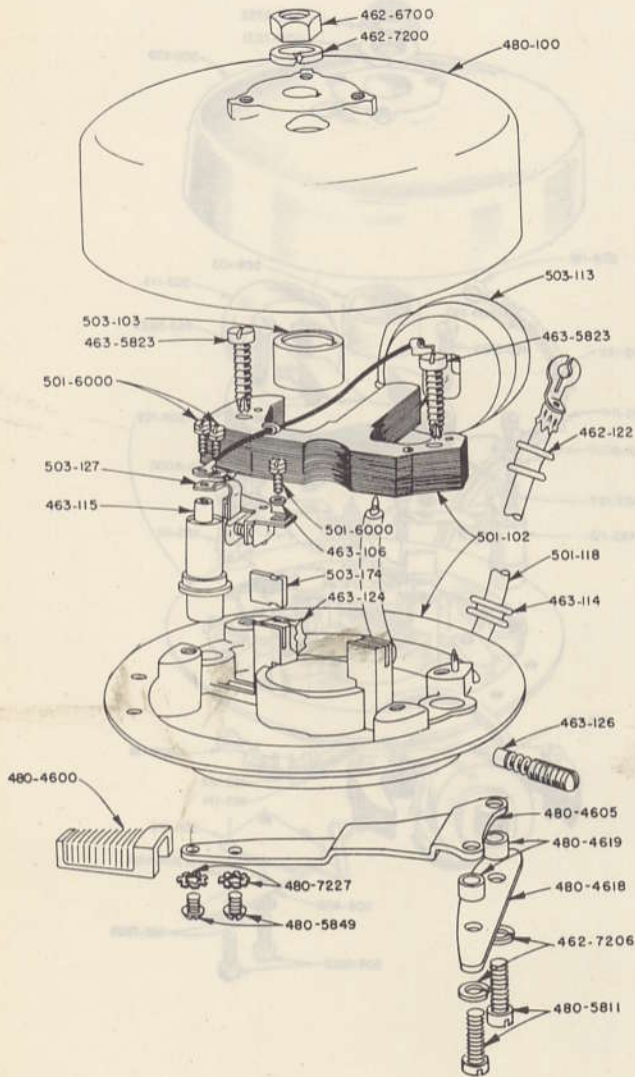
(See next page for Magneto used on early models)



Part Number	Description
510-100	Magneto Rotor
510-101	Magneto Stator Plate Unit Complete
510-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
510-105	Magneto Complete (includes 510-100 and 510-101)
463-106	Fixed Contact Washer
513-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
462-1866	Washer—Actuator Bracket
480-4600	Magneto Control Lever Handle
497-4605	Magneto Control Lever
497-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
511-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
513-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

WICO MAGNETO 510

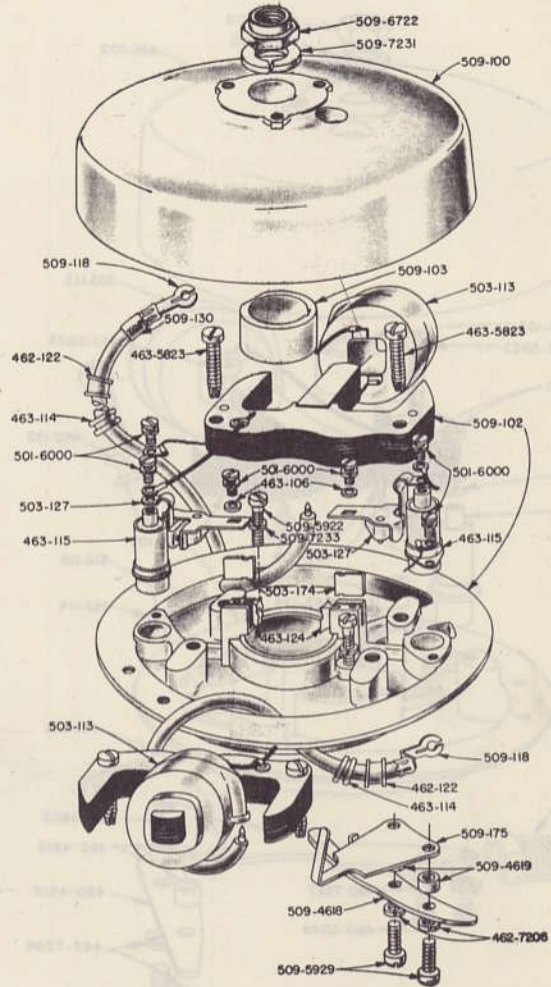
WICO MAGNETO
MODEL 509



Part Number	Description
480-100	Magneto Rotor
501-101	Magneto Stator Plate Unit Complete
501-102	Magneto Stator Plate (Plate and Core Only)
503-103	Breaker Cam
501-105	Magneto Complete (Includes 480-100 & 501-101)
463-106	Fixed Contact Washer (Brass)
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
501-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set (Repl.)
503-174	Breaker Slide
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
480-4618	Synchronous Control Cam
480-4619	Synchronous Control Cam Spacer
480-5811	Magneto Control Lever Screw
501-6000	Condenser Clamp Screw
501-6000	Fixed Contact Clamp Screw
501-6000	Condenser Connection Screw
501-6000	Breaker Spring Clamp Screw
463-5823	Core Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7206	Magneto Control Lever Screw L.W.
480-7227	Lockwasher—Magneto Control Handle Screw

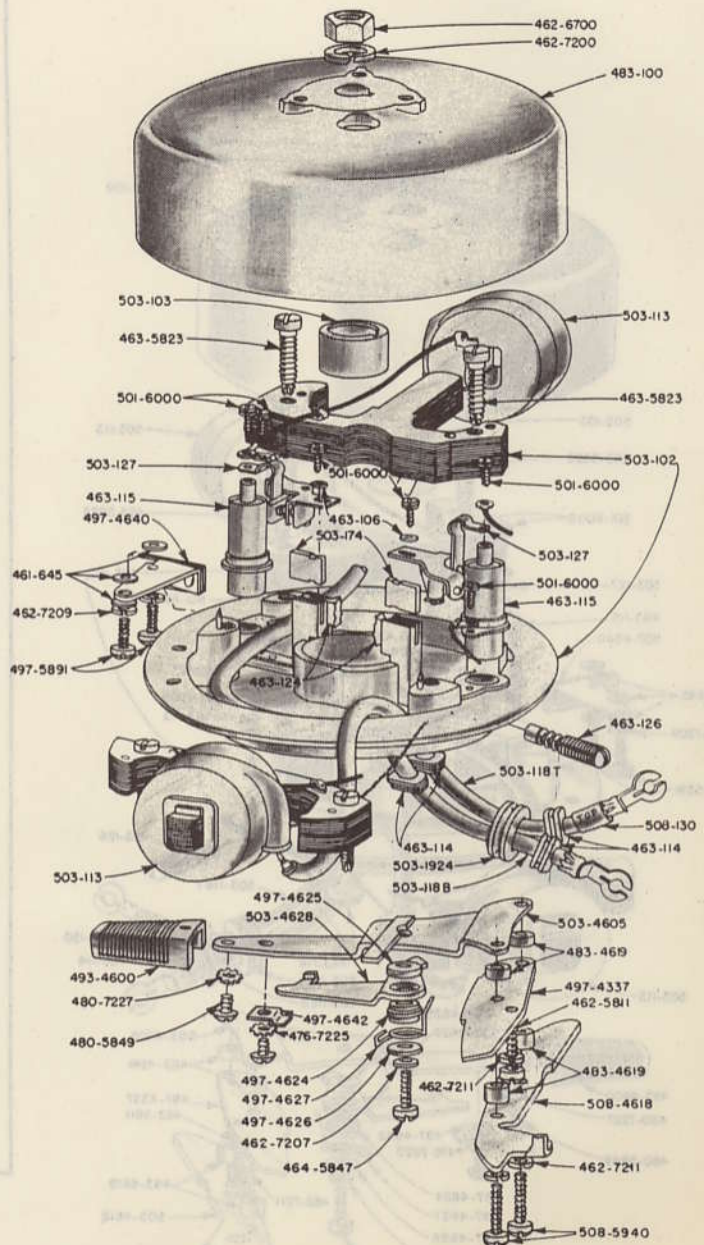
**WICO MAGNETO
MODEL 509**

Part Number	Description
509-100	Magneto Rotor
509-101	Magneto Stator Plate Unit Complete
509-102	Magneto Stator Plate (Plate & Cores)
509-103	Breaker Cam
509-105	Magneto Complete
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
509-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
509-130	Top Lead Wire Marking Band
503-174	Breaker Slide
509-175	Indicator—Stator Plate
509-4618	Synchronous Control Cam
509-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
509-5922	Screw—Stator Plate Gear
509-5929	Screw—Indicator
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
509-6722	Nut—Flywheel
462-7206	Lockwasher—Indicator Screw
509-7231	Lockwasher—Flywheel Nut
509-7233	Lockwasher—Stator Plate Gear Screw

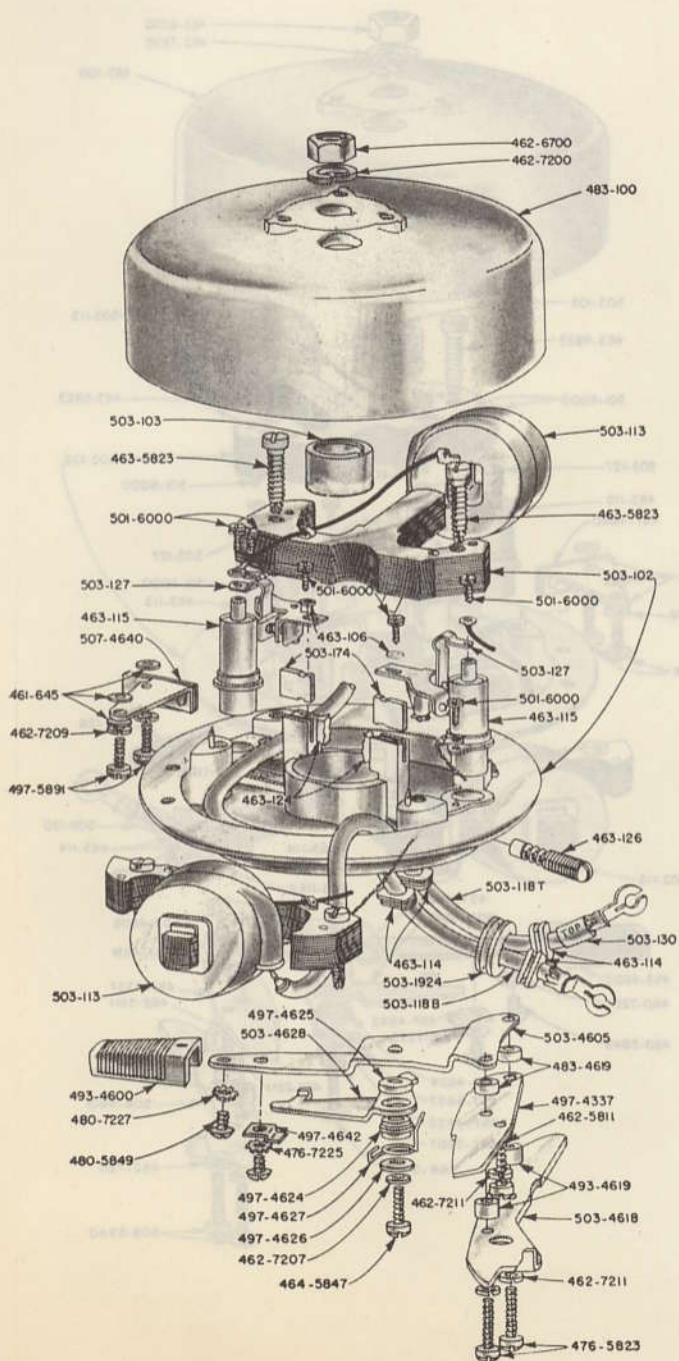


WICO MAGNETO MODEL 518

Part Number	Description
483-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
508-105	Magneto Complete (includes 483-100 and 503-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Groups
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
508-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
503-1924	Grommet—Gas Tank Bracket
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
508-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
483-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
507-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
463-4823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
508-5940	Screw—Magneto Control Lever
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw



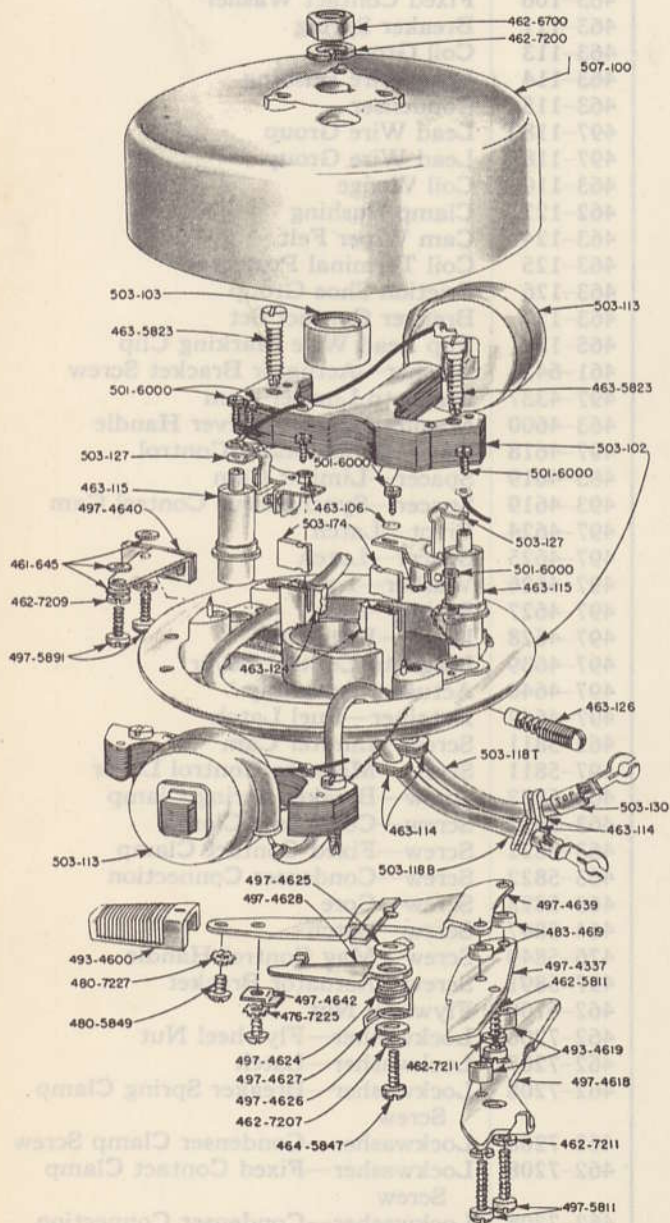
WICO MAGNETO MODEL 503



Part Number	Description
483-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
503-105	Magneto Complete (includes 483-100 and 503-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Groups
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
503-1924	Grommet—Gas Tank Bracket
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
503-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
493-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
507-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
463-5823	Screw—Core
476-5823	Screw—Magneto Control Lever
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

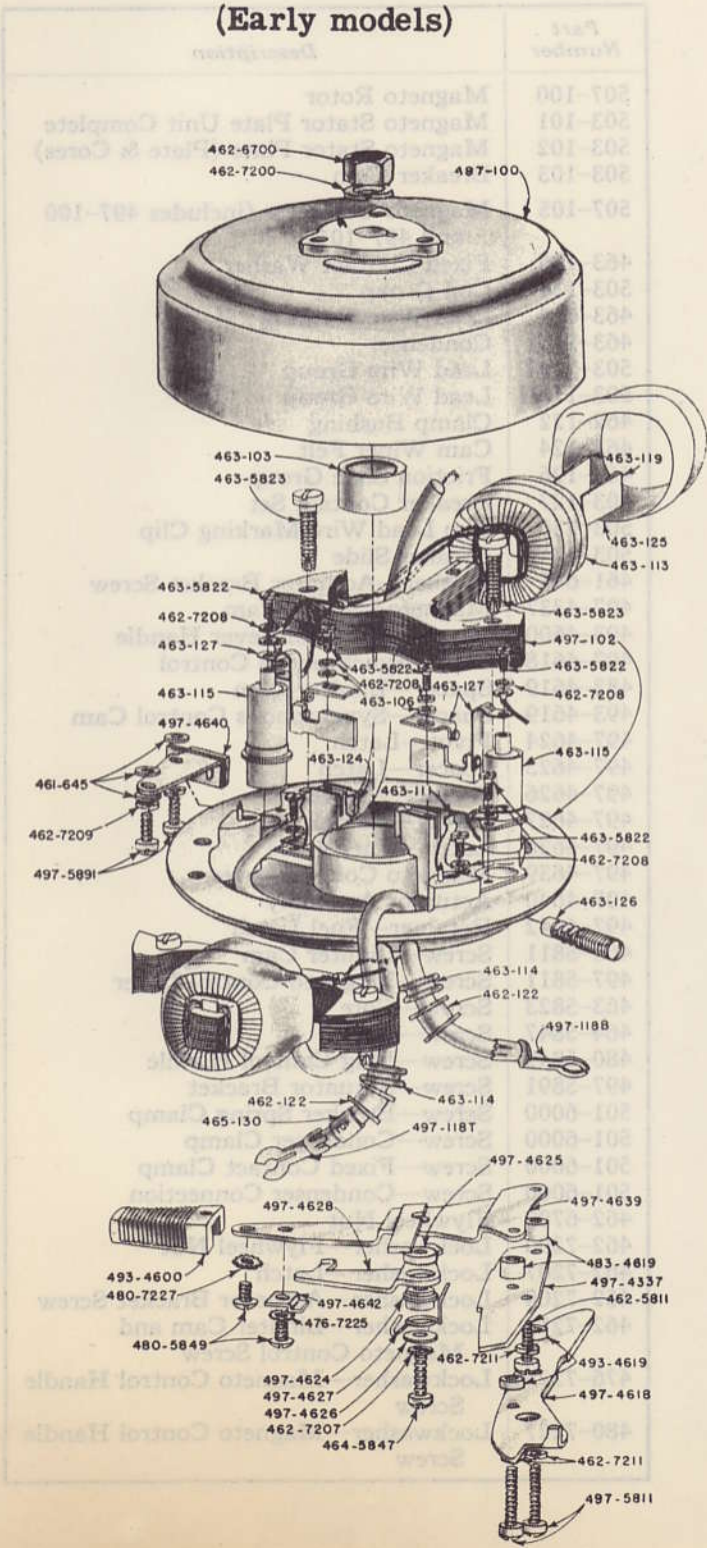
WICO MAGNETO

MODEL 507



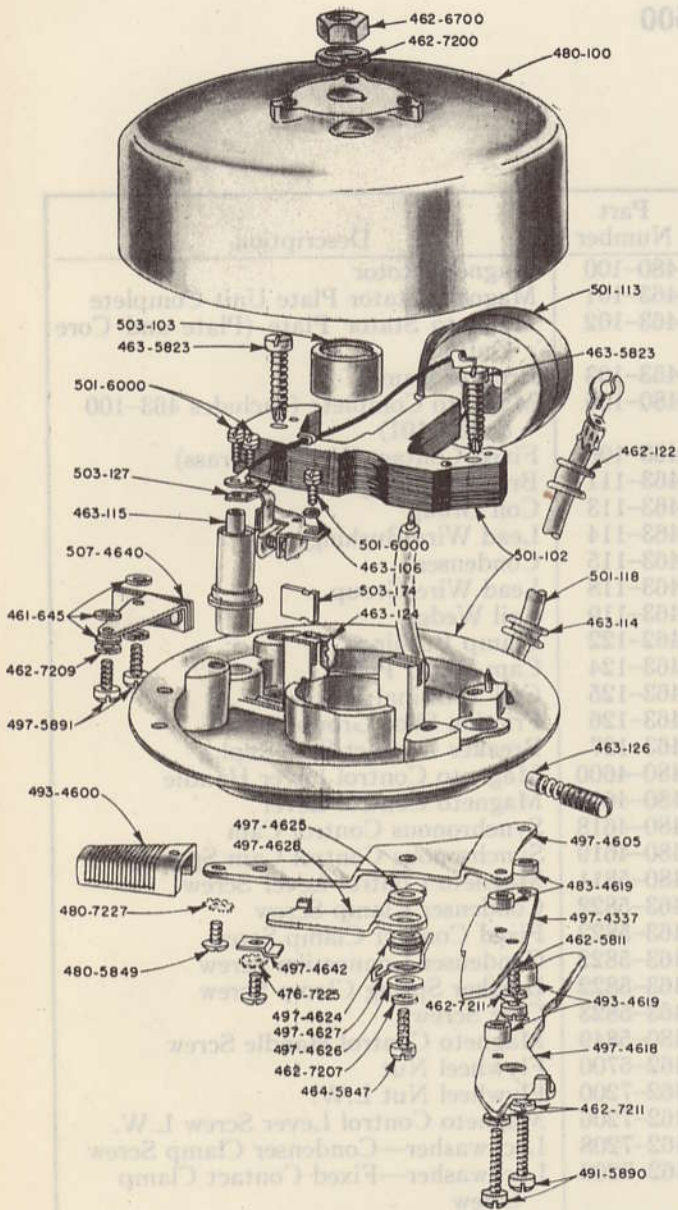
Part Number	Description
507-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
507-105	Magneto Complete (includes 497-100 and 497-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
493-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
497-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
497-5811	Screw—Magneto Control Lever
463-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

WICO MAGNETO
MODEL 507
(Early models)



Part Number	Description
497-100	Magneto Rotor
497-101	Magneto Stator Plate Unit Complete
497-102	Magneto Stator Plate (Plate & Cores)
463-103	Breaker Cam
497-105	Magneto Complete (includes 497-100 and 497-101)
463-106	Fixed Contact Washer
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
497-118T	Lead Wire Group
497-118B	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
461-645	Washer—Actuator Bracket Screw
497-4337	Magneto Limiter Cam
463-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
493-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
497-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
497-5811	Screw—Magneto Control Lever
463-5822	Screw—Breaker Spring Clamp
463-5822	Screw—Condenser Clamp
463-5822	Screw—Fixed Contact Clamp
463-5822	Screw—Condenser Connection
463-5823	Screw—Core
464-5847	Screw—Latch
476-5849	Screw—Mag Control Handle
497-5891	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

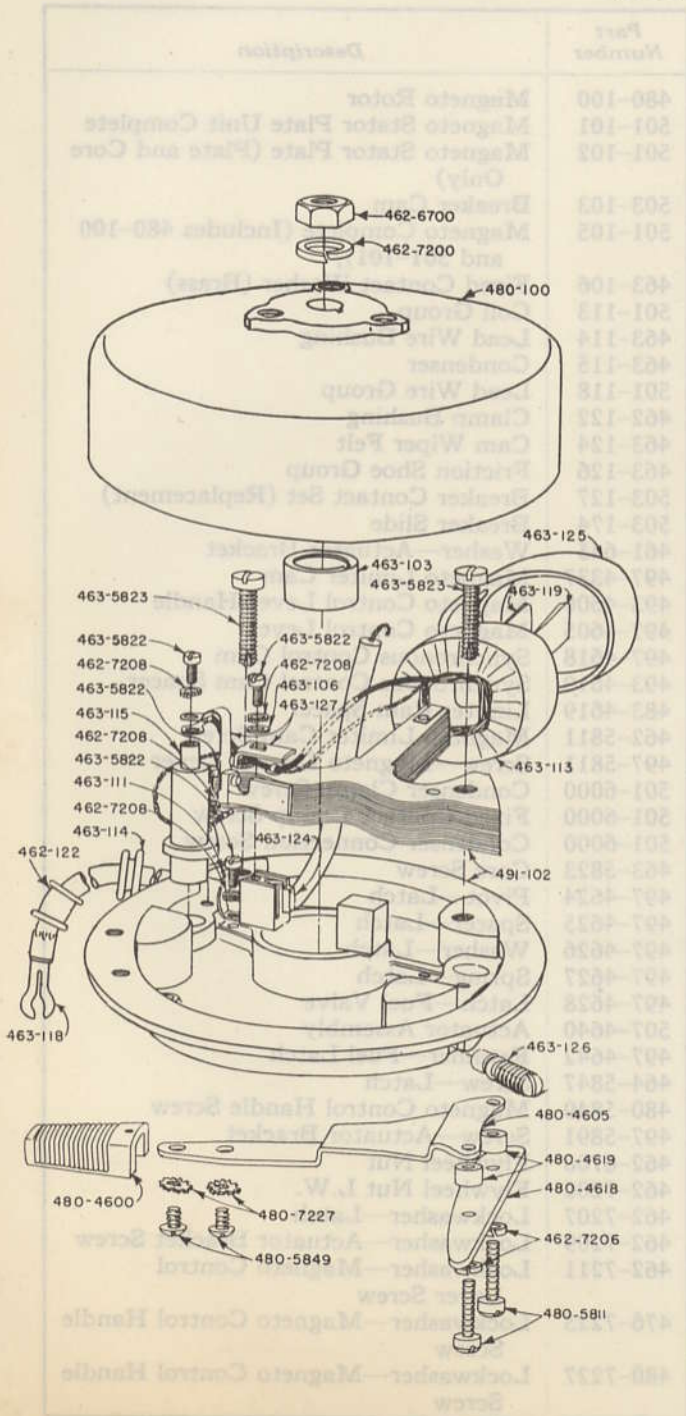
WICO MAGNETO MODEL 501



Part Number	Description
480-100	Magneto Rotor
501-101	Magneto Stator Plate Unit Complete
501-102	Magneto Stator Plate (Plate and Core Only)
503-103	Breaker Cam
501-105	Magneto Complete (Includes 480-100 and 501-101);
463-106	Fixed Contact Washer (Brass)
501-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
501-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set (Replacement)
503-174	Breaker Slide
461-645	Washer—Actuator Bracket
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
497-4605	Magneto Control Lever
497-4618	Synchronous Control Cam
493-4619	Synchronous Control Cam Spacer
483-4619	Limiter Cam Spacer
462-5811	Magneto Limiter Cam Screw
497-5811	Screw—Magneto Control Lever
501-6000	Condenser Clamp Screw
501-6000	Fixed Contact Clamp Screw
501-6000	Condenser Connection Screw
463-5823	Core Screw
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
507-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
464-5847	Screw—Latch
480-5849	Magneto Control Handle Screw
497-5891	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Lever Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

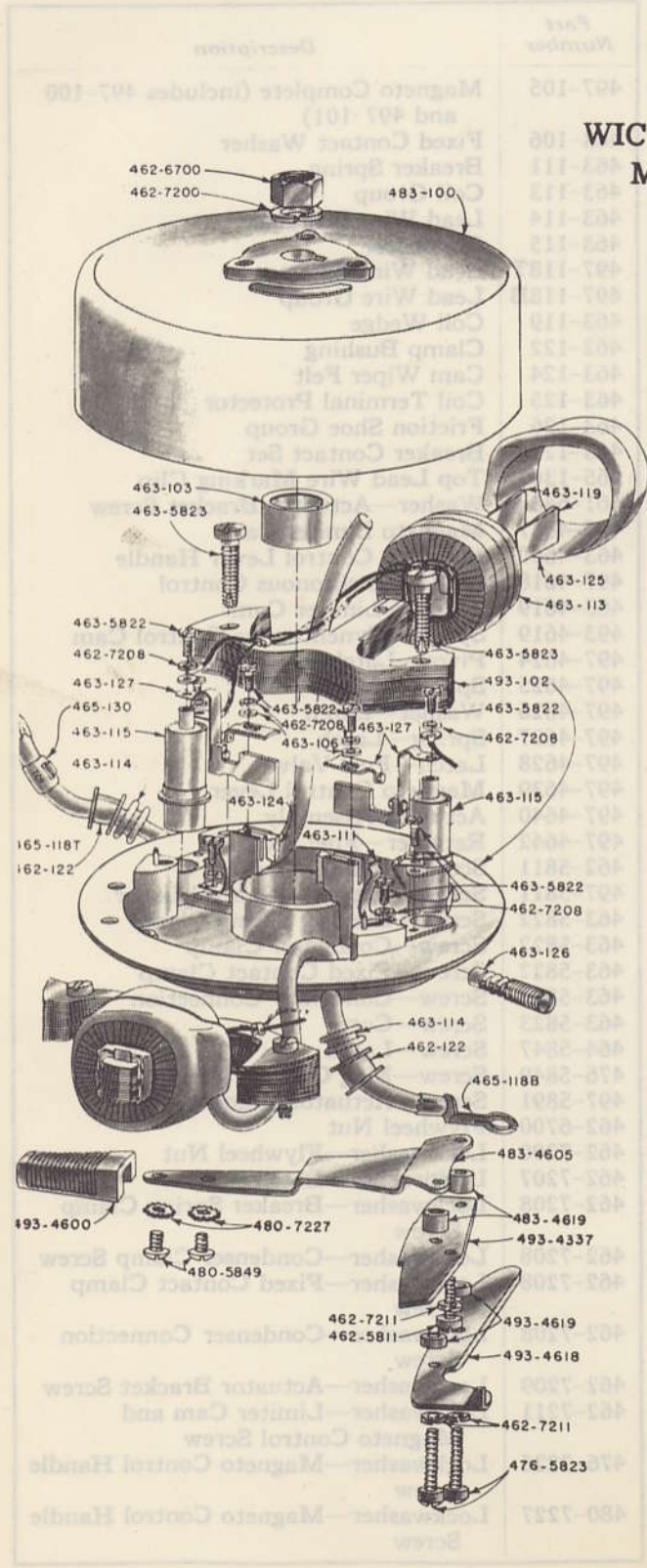
WICO MAGNETO
MODEL 501

WICO MAGNETO
MODEL 500



Part Number	Description
480-100	Magneto Rotor
463-101	Magneto Stator Plate Unit Complete
463-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
480-105	Magneto Complete (Includes 463-100 & 463-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
480-4618	Synchronous Control Cam
480-4619	Synchronous Control Cam Spacer
480-5811	Magneto Control Lever Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7206	Magneto Control Lever Screw L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
463-7219	Lockwasher—Core Screw
480-7227	Lockwasher—Magneto Control Handle Screw

WICO MAGNETO
MODEL 493



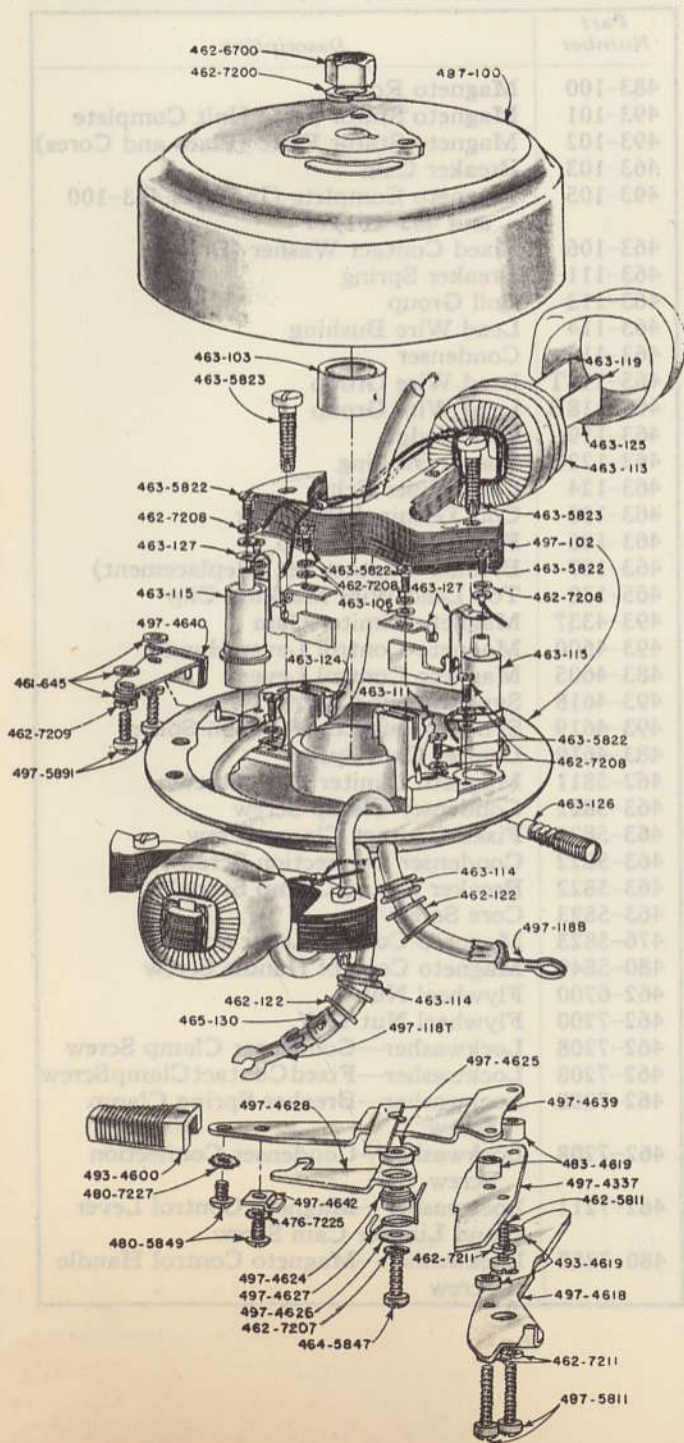
WICO MAGNETO
MODEL 493

Part Number	Description
483-100	Magneto Rotor
493-101	Magneto Stator Plate Unit Complete
493-102	Magneto Stator Plate (Plate and Cores)
463-103	Breaker Cam
493-105	Magneto Complete (Includes 483-100 and 493-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
465-118T	Lead Wire Group
465-118B	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Replacement)
465-130	Top Lead Wire Marking Clip
493-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
483-4605	Magneto Control Lever
493-4618	Synchronous Control Cam
493-4619	Synchronous Control Cam Spacer
483-4619	Limiter Cam Spacer
462-5811	Magneto Limiter Cam Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
476-5823	Magneto Control Lever Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
462-7211	Lockwasher—Magneto Control Lever and Limiter Cam Screw
480-7227	Lockwasher—Magneto Control Handle Screw

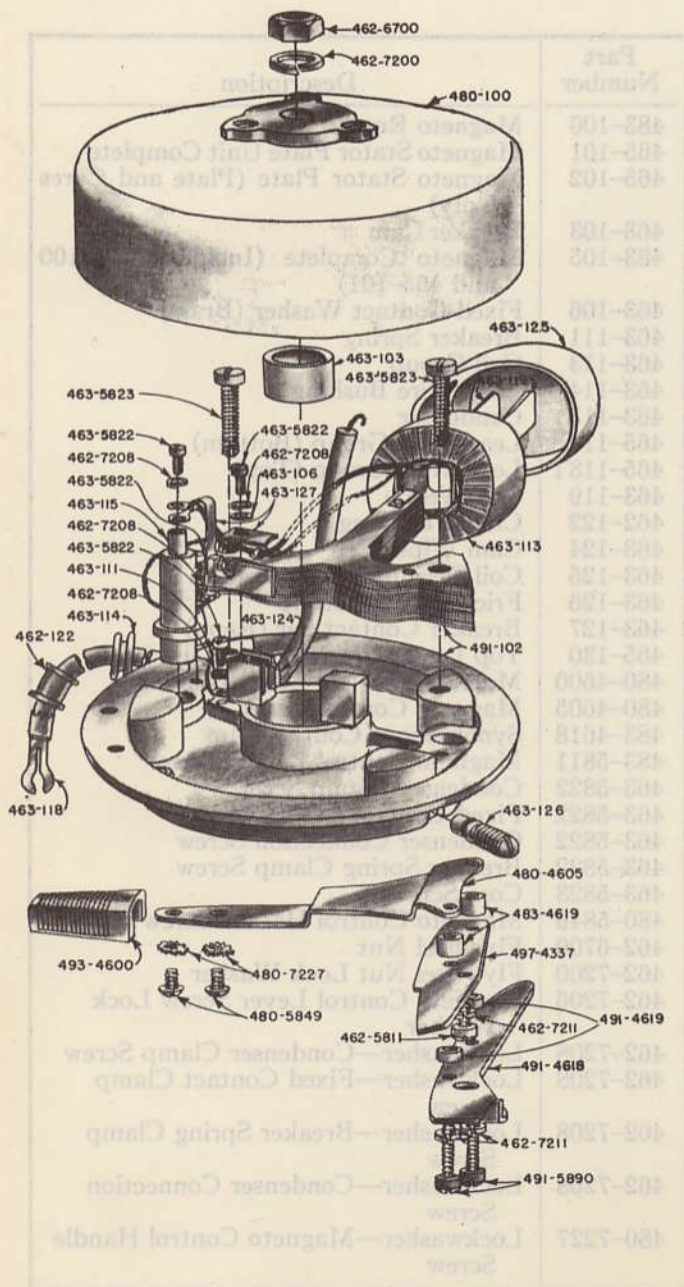
WICO MAGNETO MODEL 497

Part Number	Description
497-100	Magneto Rotor
497-101	Magneto Stator Plate Unit Complete
497-102	Magneto Stator Plate (Plate & Cores)
463-103	Breaker Cam

Part Number	Description
497-105	Magneto Complete (includes 497-100 and 497-101)
463-106	Fixed Contact Washer
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
497-118T	Lead Wire Group
497-118B	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
461-645	Washer—Actuator Bracket Screw
497-4337	Magneto Limiter Cam
463-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
493-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
497-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
497-5811	Screw—Magneto Control Lever
463-5822	Screw—Breaker Spring Clamp
463-5822	Screw—Condenser Clamp
463-5822	Screw—Fixed Contact Clamp
463-5822	Screw—Condenser Connection
463-5823	Screw—Core
464-5847	Screw—Latch
476-5849	Screw—Mag Control Handle
497-5891	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

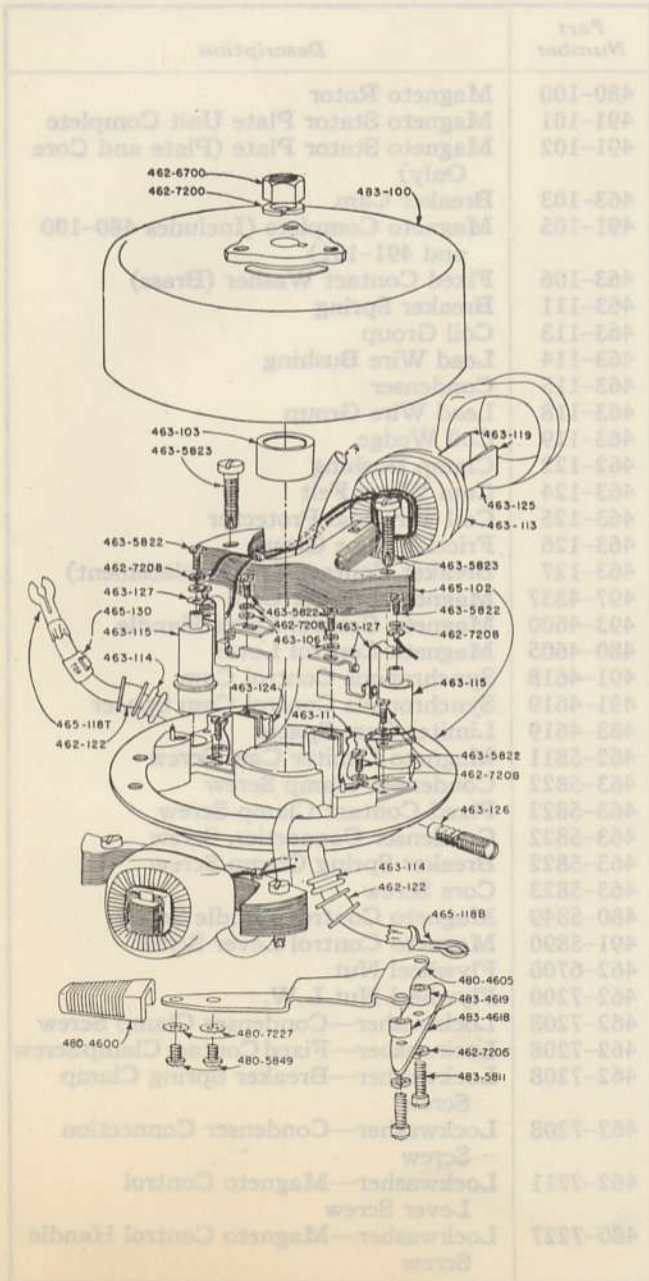


WICO MAGNETO MODEL 491



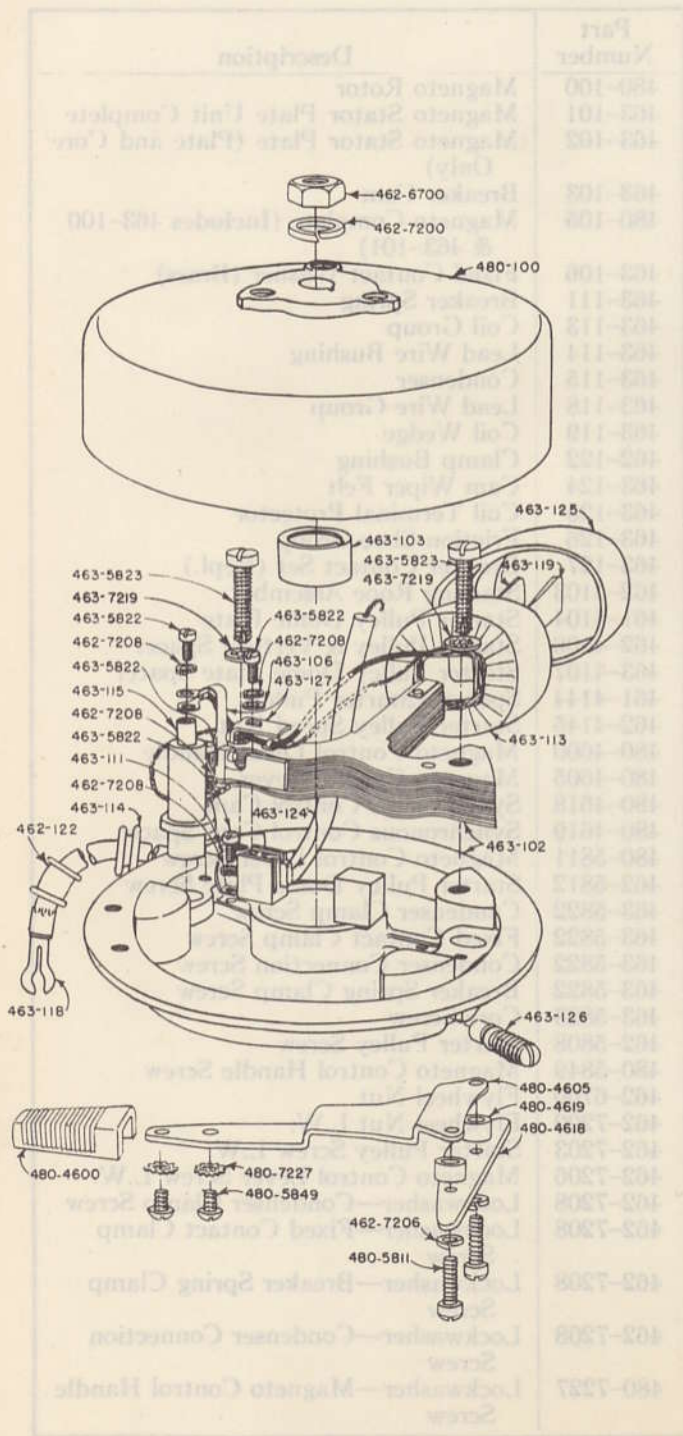
Part Number	Description
480-100	Magneto Rotor
491-101	Magneto Stator Plate Unit Complete
491-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
491-105	Magneto Complete (Includes 480-100 and 491-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Replacement)
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
491-4618	Synchronous Control Cam
491-4619	Synchronous Control Cam Spacer
483-4619	Limiter Cam Spacer
462-5811	Magneto Limiter Cam Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
480-5849	Magneto Control Handle Screw
491-5890	Magneto Control Lever Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
462-7211	Lockwasher—Magneto Control Lever Screw
480-7227	Lockwasher—Magneto Control Handle Screw

WICO MAGNETO MODEL 483



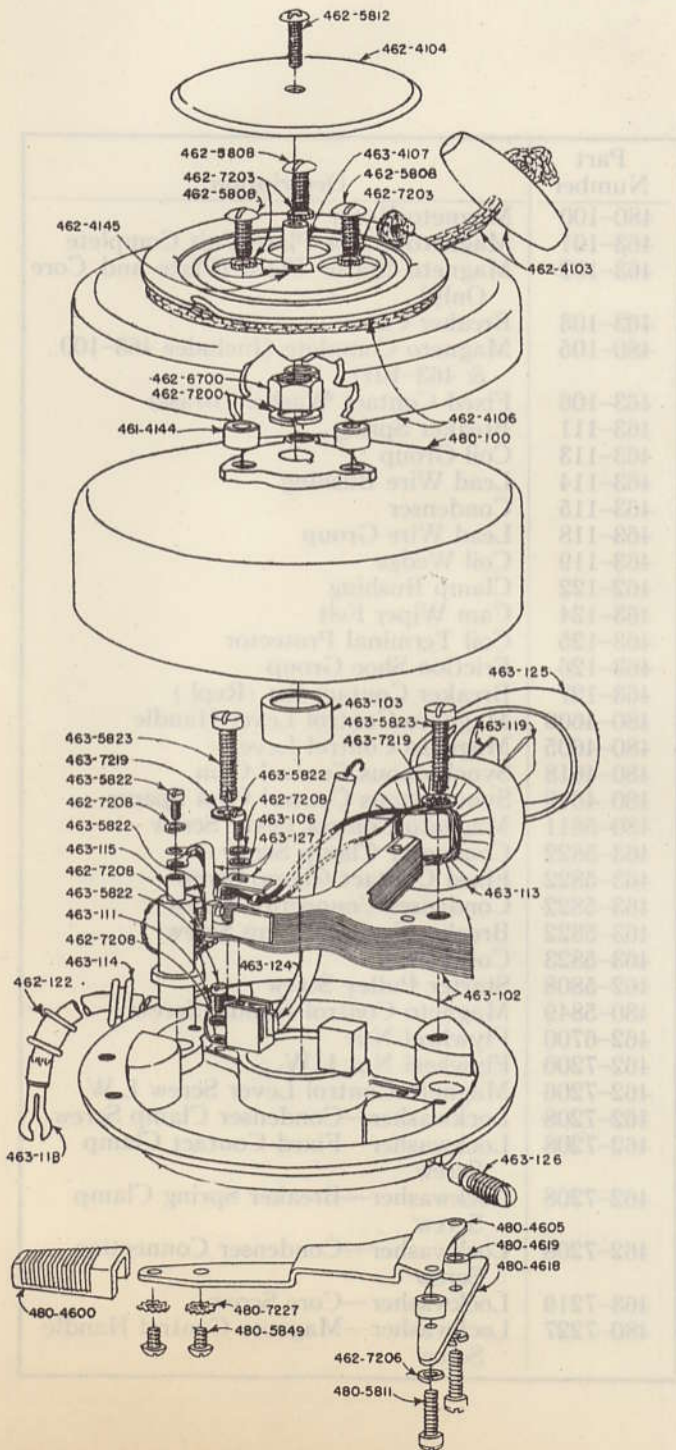
Part Number	Description
483-100	Magneto Rotor
465-101	Magneto Stator Plate Unit Complete
465-102	Magneto Stator Plate (Plate and Cores Only)
463-103	Breaker Cam
483-105	Magneto Complete (Includes 483-100 and 465-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
465-118B	Lead Wire Group (Bottom)
465-118T	Lead Wire Group (Top)
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
465-130	Top Lead Wire Marking Clip
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
483-4618	Synchronous Control Cam
483-5811	Magneto Control Lever Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut Lock Washer
462-7206	Magneto Control Lever Screw Lock Washer
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
480-7227	Lockwasher—Magneto Control Handle Screw

WICO MAGNETO
MODEL 481



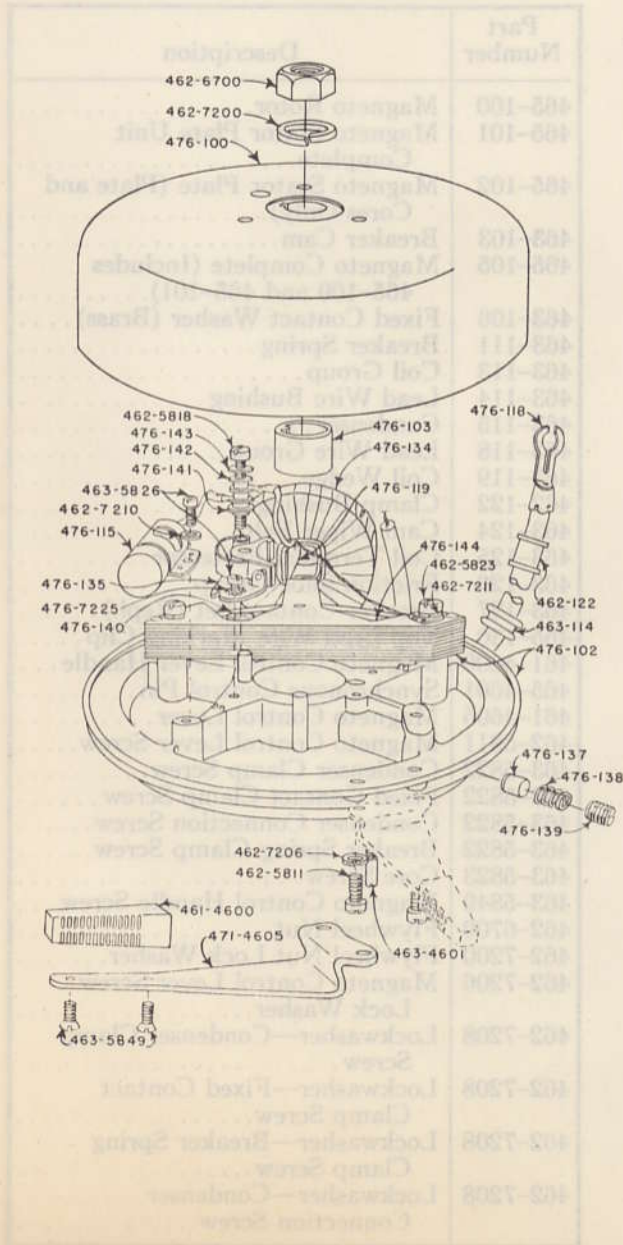
Part Number	Description
480-100	Magneto Rotor
463-101	Magneto Stator Plate Unit Complete
463-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
480-105	Magneto Complete (Includes 463-100 & 463-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
480-4618	Synchronous Control Cam
480-4619	Synchronous Control Cam Spacer
480-5811	Magneto Control Lever Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
462-5808	Starter Pulley Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7206	Magneto Control Lever Screw L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
463-7219	Lockwasher—Core Screw
480-7227	Lockwasher—Magneto Control Handle Screw

WICO MAGNETO MODEL 480



Part Number	Description
480-100	Magneto Rotor
463-101	Magneto Stator Plate Unit Complete
463-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
480-105	Magneto Complete (Includes 463-100 & 463-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
462-4103	Starting Rope Assembly
461-4104	Starter Pulley Dome Plate
462-4106	Starter Pulley & Vertical Spacer
463-4107	Starter Pulley Dome Plate Spacer
461-4144	Spacer—Starter Pulley
462-4145	Starter Pulley Speed Nut
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
480-4618	Synchronous Control Cam
480-4619	Synchronous Control Cam Spacer
480-5811	Magneto Control Lever Screw
462-5812	Starter Pulley Dome Plate Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
462-5808	Starter Pulley Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7203	Starter Pulley Screw L.W.
462-7206	Magneto Control Lever Screw L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
480-7227	Lockwasher—Magneto Control Handle Screw

PHELON MAGNETO MODEL 471P



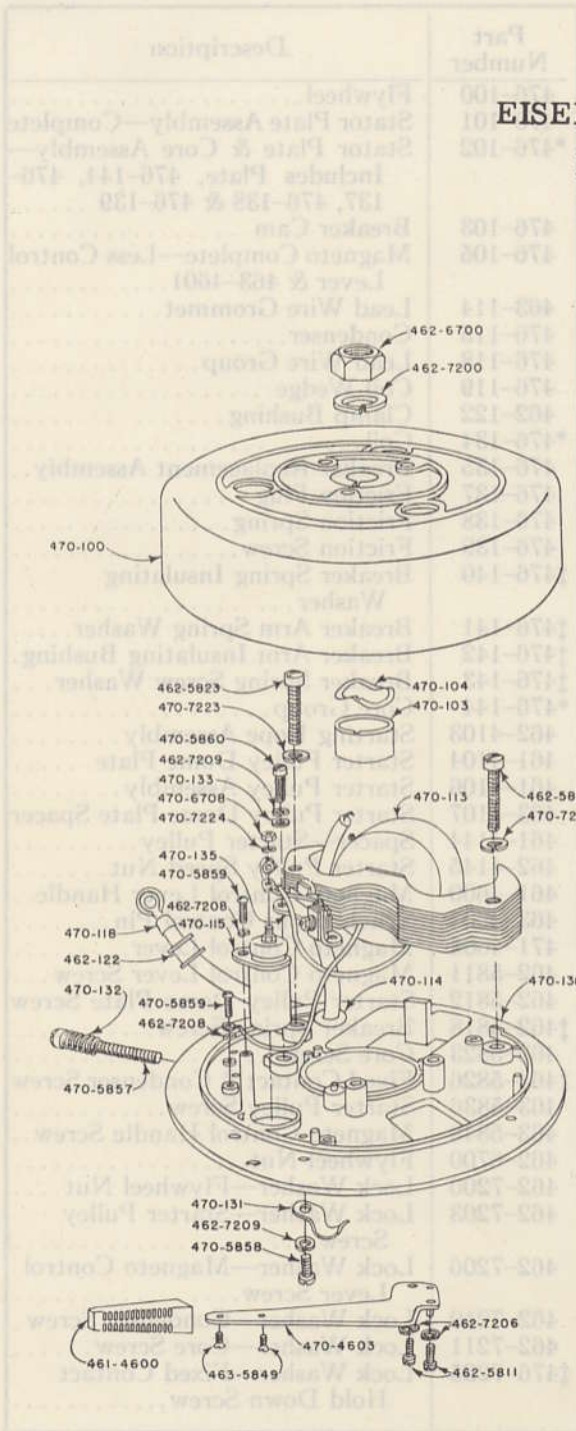
Part Number	Description
476-100	Flywheel.....
476-101	Stator Plate Assembly—Complete.
*476-102	Stator Plate and Core Assembly— Includes Plate, 476-144, 476-137, 476-138 and 476-139.....
476-103	Breaker Cam.....
476-105	Magneto Complete—Less Control Lever and 463-4601.....
463-114	Lead Wire Grommet.....
476-115	Condenser.....
476-118	Lead Wire Group.....
476-119	Coil Wedge.....
462-122	Clamp Bushing.....
*476-134	Coil.....
476-135	Breaker Replacement Assembly...
476-137	Friction Plug.....
476-138	Friction Spring.....
476-139	Friction Screw.....
†476-140	Breaker Spring Insulating Washer.
†476-141	Breaker Arm Spring Washer.....
†476-142	Breaker Arm Insulating Bushing...
†476-143	Breaker Spring Screw Washer.....
*476-144	Core Group.....
461-4600	Magneto Control Lever Handle...
463-4601	Synchronous Control Pin.....
471-4605	Magneto Control Lever.....
462-5811	Magneto Control Lever Screw....
†462-5818	Breaker Spring Screw.....
462-5823	Core Screw.....
†463-5826	Fixed Contact and Condenser Screw.....
463-5849	Magneto Control Handle Screw...
462-6700	Flywheel Nut.....
462-7200	Lock Washer—Flywheel Nut.....
462-7206	Lock Washer—Magneto Control Lever Screw.....
462-7210	Lock Washer—Condenser Screw...
462-7211	Lock Washer—Core Screw.....
476-7225	Lock Washer—Fixed Contact Hold Down Screw.....

*Alignment fixture is required for locating Core on Stator Plate when replacing Core or Coil.

†Included in 476-135.

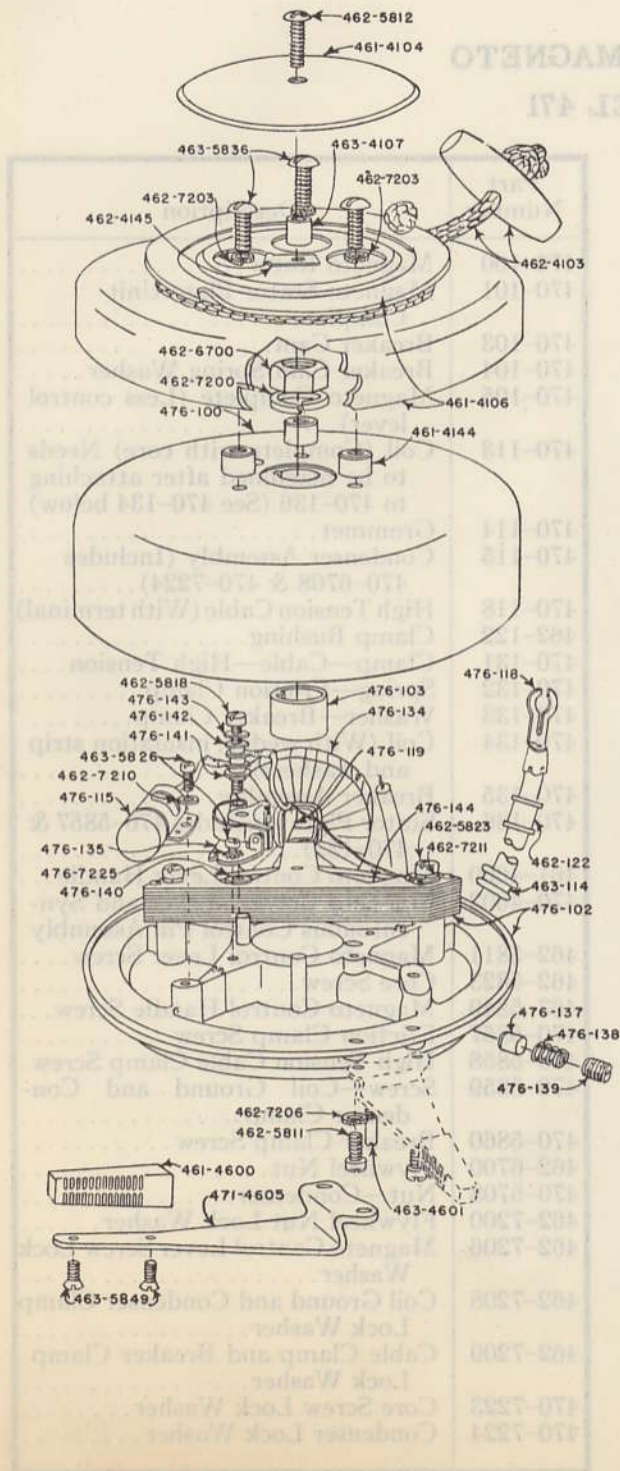
PHILON MAGNETO
MODEL 470P

**EISEMAN MAGNETO
MODEL 471**



Part Number	Description
470-100	Magneto Rotor
470-101	Magneto Stator Plate Unit Complete
470-103	Breaker Cam
470-104	Breaker Cam Spring Washer
470-105	Magneto Complete (Less control lever)
470-113	Coil (Complete with core) Needs to be machined after attaching to 470-136 (See 470-134 below)
470-114	Grommet
470-115	Condenser Assembly (Includes 470-6708 & 470-7224)
470-118	High Tension Cable (With terminal)
462-122	Clamp Bushing
470-131	Clamp—Cable—High Tension
470-132	Spring—Friction Clamp
470-133	Washer—Breaker Clamp
470-134	Coil (With wedge, insulation strip and washers)
470-135	Breaker Assembly
470-136	Stator Plate (Includes 470-5857 & 470-132)
461-4600	Magneto Control Lever Handle
470-4603	Magneto Control Lever and Synchronous Control Pin Assembly
462-5811	Magneto Control Lever Screw
462-5823	Core Screw
463-5849	Magneto Control Handle Screw
470-5857	Friction Clamp Screw
470-5858	High Tension Cable Clamp Screw
470-5859	Screw—Coil Ground and Condenser Clamp
470-5860	Breaker Clamp Screw
462-6700	Flywheel Nut
470-6708	Nut—Condenser
462-7200	Flywheel Nut Lock Washer
462-7206	Magneto Control Lever Screw Lock Washer
462-7208	Coil Ground and Condenser Clamp Lock Washer
462-7209	Cable Clamp and Breaker Clamp Lock Washer
470-7223	Core Screw Lock Washer
470-7224	Condenser Lock Washer

PHELON MAGNETO MODEL 470P

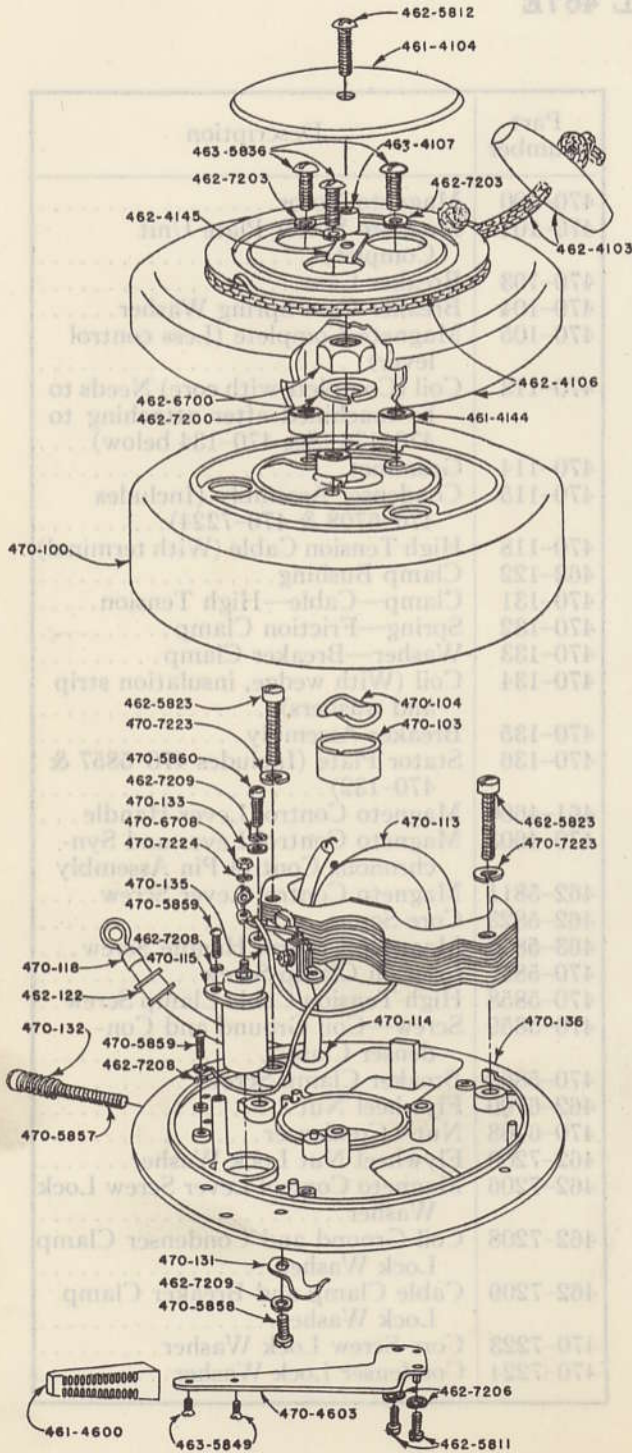


Part Number	Description
476-100	Flywheel.....
476-101	Stator Plate Assembly—Complete
*476-102	Stator Plate & Core Assembly— Includes Plate, 476-144, 476- 137, 476-138 & 476-139
476-103	Breaker Cam.....
476-105	Magneto Complete—Less Control Lever & 463-4601.....
463-114	Lead Wire Grommet.....
476-115	Condenser.....
476-118	Lead Wire Group.....
476-119	Coil Wedge.....
462-122	Clamp Bushing.....
*476-134	Coil.....
476-135	Breaker Replacement Assembly..
476-137	Friction Plug.....
476-138	Friction Spring.....
476-139	Friction Screw.....
‡476-140	Breaker Spring Insulating Washer.....
‡476-141	Breaker Arm Spring Washer.....
‡476-142	Breaker Arm Insulating Bushing..
‡476-143	Breaker Spring Screw Washer...
*476-144	Core Group.....
462-4103	Starting Rope Assembly.....
461-4104	Starter Pulley Dome Plate.....
461-4106	Starter Pulley Assembly.....
463-4107	Starter Pulley Dome Plate Spacer
461-4144	Spacer—Starter Pulley.....
462-4145	Starter Pulley Speed Nut.....
461-4600	Magneto Control Lever Handle..
463-4601	Synchronous Control Pin.....
471-4605	Magneto Control Lever.....
462-5811	Magneto Control Lever Screw...
462-5812	Starter Pulley Dome Plate Screw
‡462-5818	Breaker Spring Screw.....
462-5823	Core Screw.....
‡463-5826	Fixed Contact & Condenser Screw
463-5836	Starter Pulley Screw.....
463-5849	Magneto Control Handle Screw..
462-6700	Flywheel Nut.....
462-7200	Lock Washer—Flywheel Nut....
462-7203	Lock Washer—Starter Pulley Screw.....
462-7206	Lock Washer—Magneto Control Lever Screw.....
462-7210	Lock Washer—Condenser Screw..
462-7211	Lock Washer—Core Screw.....
‡476-7225	Lock Washer—Fixed Contact Hold Down Screw.....

*Alignment fixture required for locating Core on Stator Plate when replacing Core or Coil.

‡Included in 476-135.

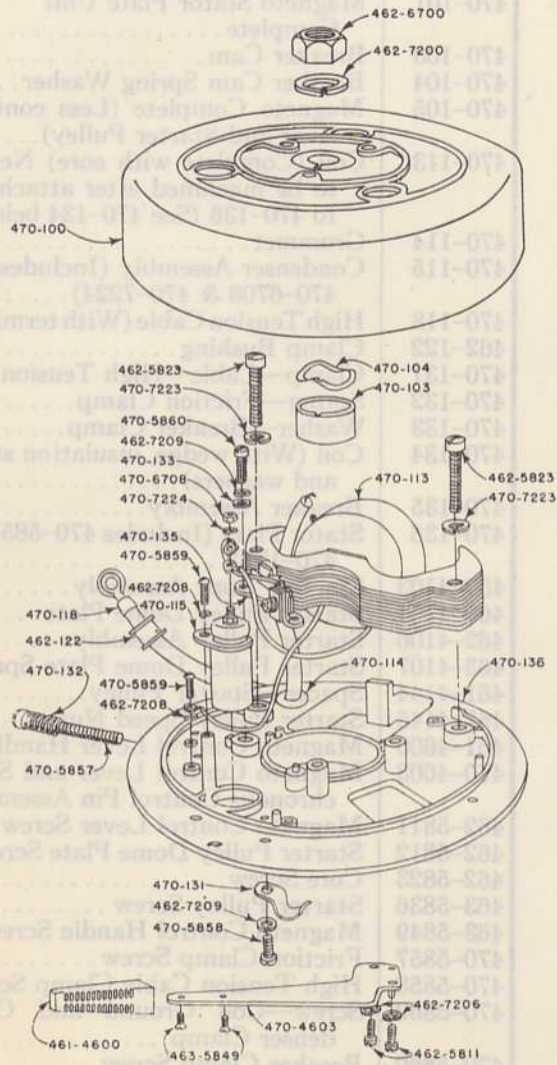
EISEMAN MAGNETO MODEL 470



Part Number	Description
470-100	Magneto Rotor
470-101	Magneto Stator Plate Unit Complete
470-103	Breaker Cam
470-104	Breaker Cam Spring Washer
470-105	Magneto Complete (Less control lever and Starter Pulley)
470-113	Coil (Complete with core) Needs to be machined after attaching to 470-136 (See 470-134 below)
470-114	Grommet
470-115	Condenser Assembly (Includes 470-6708 & 470-7224)
470-118	High Tension Cable (With terminal)
462-122	Clamp Bushing
470-131	Clamp—Cable—High Tension
470-132	Spring—Friction Clamp
470-133	Washer—Breaker Clamp
470-134	Coil (With wedge, insulation strip and washers)
470-135	Breaker Assembly
470-136	Stator Plate (Includes 470-5857 & 470-132)
462-4103	Starting Rope Assembly
461-4104	Starter Pulley Dome Plate
462-4106	Starter Pulley Assembly
463-4107	Starter Pulley Dome Plate Spacer
461-4144	Spacer—Starter Pulley
462-4145	Starter Pulley Speed Nut
461-4600	Magneto Control Lever Handle
470-4603	Magneto Control Lever and Synchronous Control Pin Assembly
462-5811	Magneto Control Lever Screw
462-5812	Starter Pulley Dome Plate Screw
462-5823	Core Screw
463-5836	Starter Pulley Screw
463-5849	Magneto Control Handle Screw
470-5857	Friction Clamp Screw
470-5858	High Tension Cable Clamp Screw
470-5859	Screw—Coil Ground and Condenser Clamp
470-5860	Breaker Clamp Screw
462-6700	Flywheel Nut
470-6708	Nut—Condenser
462-7200	Flywheel Nut Lock Washer
462-7203	Starter Pulley Screw Lock Washer
462-7206	Magneto Control Lever Screw Lock Washer
462-7208	Coil Ground and Condenser Clamp Lock Washer
462-7209	Cable Clamp and Breaker Clamp Lock Washer
470-7223	Core Screw Lock Washer
470-7224	Condenser Lock Washer

EISEMAN MAGNETO
MODEL 470

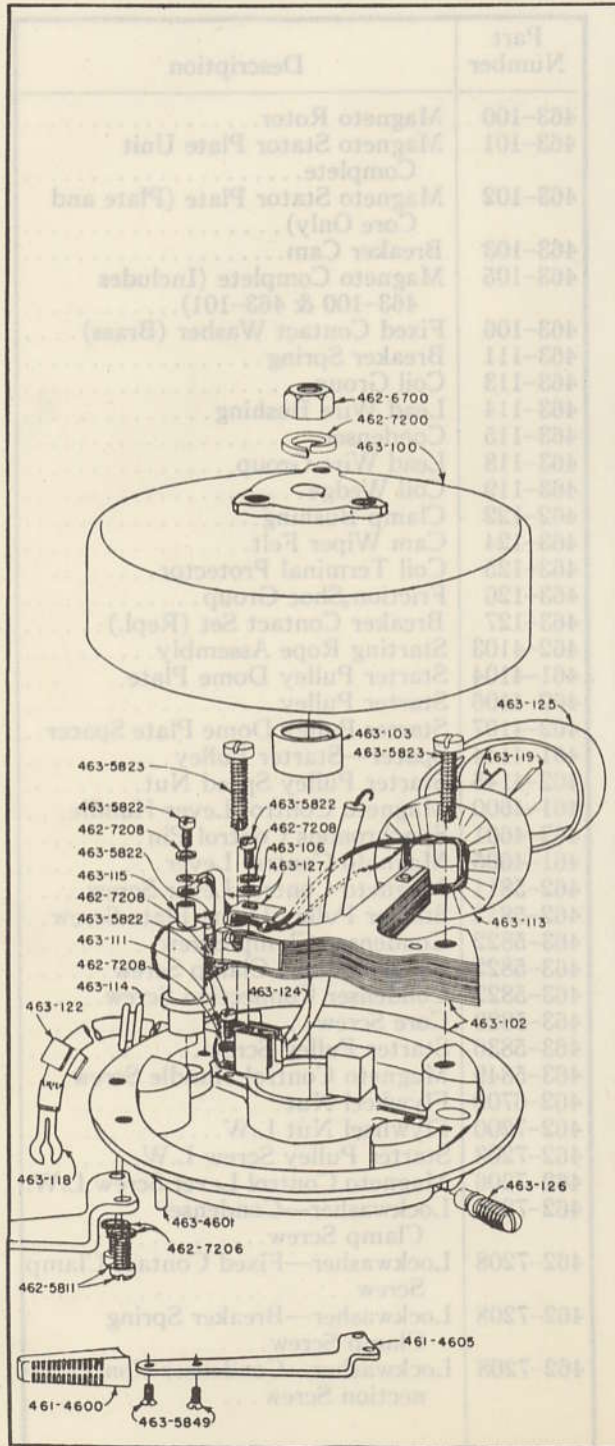
EISEMAN MAGNETO
MODEL 467E



Part Number	Description
470-100	Magneto Rotor.....
470-101	Magneto Stator Plate Unit Complete.....
470-103	Breaker Cam.....
470-104	Breaker Cam Spring Washer.....
470-105	Magneto Complete (Less control lever).....
470-113	Coil (Complete with core) Needs to be machined after attaching to 470-136 (See 470-134 below).....
470-114	Grommet.....
470-115	Condenser Assembly (Includes 470-6708 & 470-7224).....
470-118	High Tension Cable (With terminal) Clamp Bushing.....
462-122	Clamp—Cable—High Tension.....
470-131	Clamp—Cable—High Tension.....
470-132	Spring—Friction Clamp.....
470-133	Washer—Breaker Clamp.....
470-134	Coil (With wedge, insulation strip and washers).....
470-135	Breaker Assembly.....
470-136	Stator Plate (Includes 470-5857 & 470-132).....
461-4600	Magneto Control Lever Handle...
470-4603	Magneto Control Lever and Synchronous Control Pin Assembly
462-5811	Magneto Control Lever Screw.....
462-5823	Core Screw.....
463-5849	Magneto Control Handle Screw...
470-5857	Friction Clamp Screw.....
470-5858	High Tension Cable Clamp Screw...
470-5859	Screw—Coil Ground and Condenser Clamp.....
470-5860	Breaker Clamp Screw.....
462-6700	Flywheel Nut.....
470-6708	Nut—Condenser.....
462-7200	Flywheel Nut Lock Washer.....
462-7206	Magneto Control Lever Screw Lock Washer.....
462-7208	Coil Ground and Condenser Clamp Lock Washer.....
462-7209	Cable Clamp and Breaker Clamp Lock Washer.....
470-7223	Core Screw Lock Washer.....
470-7224	Condenser Lock Washer.....

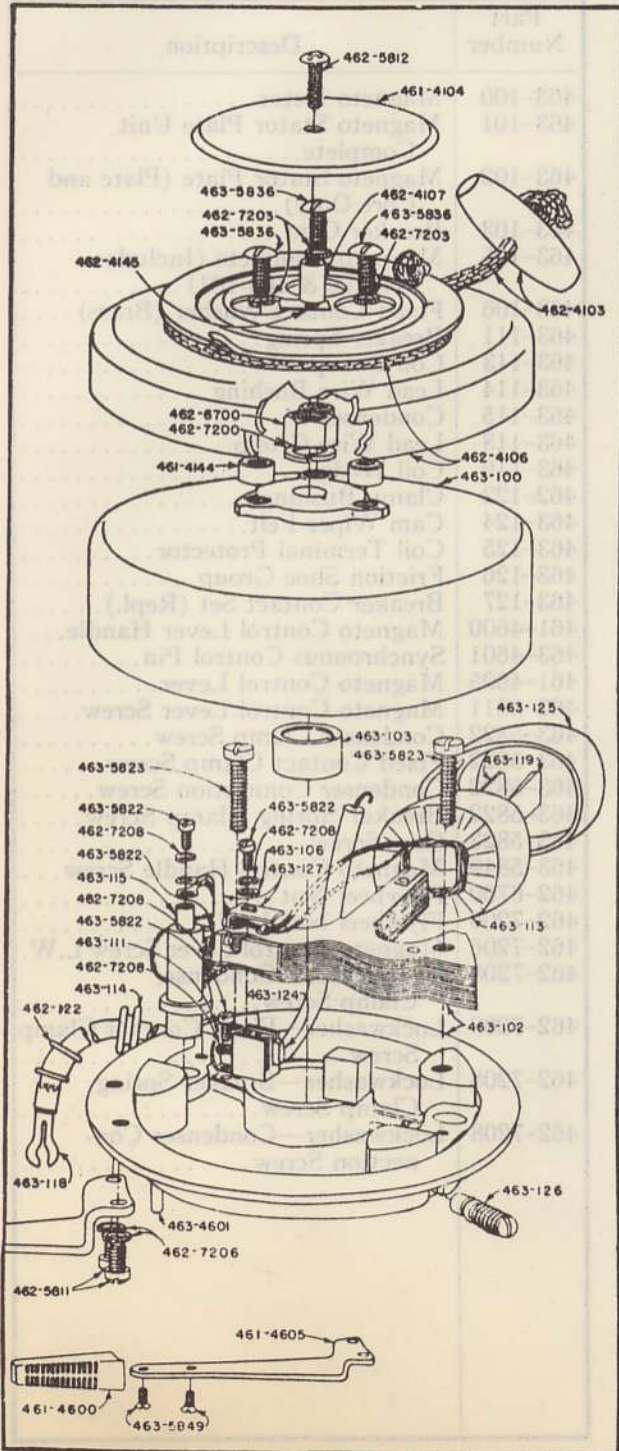
WICO MAGNETO

MODEL 467



Part Number	Description
463-100	Magneto Rotor
463-101	Magneto Stator Plate Unit Complete
463-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
463-105	Magneto Complete (Includes 463-100 & 463-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
461-4600	Magneto Control Lever Handle
463-4601	Synchronous Control Pin
461-4605	Magneto Control Lever
462-5811	Magneto Control Lever Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
463-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7206	Magneto Control Lever Screw L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw

WICO MAGNETO MODEL 461



Part Number	Description
463-100	Magneto Rotor.....
463-101	Magneto Stator Plate Unit Complete.....
463-102	Magneto Stator Plate (Plate and Core Only).....
463-103	Breaker Cam.....
463-105	Magneto Complete (Includes 463-100 & 463-101).....
463-106	Fixed Contact Washer (Brass).....
463-111	Breaker Spring.....
463-113	Coil Group.....
463-114	Lead Wire Bushing.....
463-115	Condenser.....
463-118	Lead Wire Group.....
463-119	Coil Wedge.....
462-122	Clamp Bushing.....
463-124	Cam Wiper Felt.....
463-125	Coil Terminal Protector.....
463-126	Friction Shoe Group.....
463-127	Breaker Contact Set (Repl.).....
462-4103	Starting Rope Assembly.....
461-4104	Starter Pulley Dome Plate.....
462-4106	Starter Pulley.....
462-4107	Starter Pulley Dome Plate Spacer.....
461-4144	Spacer—Starter Pulley.....
462-4145	Starter Pulley Speed Nut.....
461-4600	Magneto Control Lever Handle.....
463-4601	Synchronous Control Pin.....
461-4605	Magneto Control Lever.....
462-5811	Magneto Control Lever Screw.....
462-5812	Starter Pulley Dome Plate Screw.....
463-5822	Condenser Clamp Screw.....
463-5822	Fixed Contact Clamp Screw.....
463-5822	Condenser Connection Screw.....
463-5823	Core Screw.....
463-5836	Starter Pulley Screw.....
463-5849	Magneto Control Handle Screw.....
462-6700	Flywheel Nut.....
462-7200	Flywheel Nut L.W.....
462-7203	Starter Pulley Screw L.W.....
462-7206	Magneto Control Lever Screw L.W.....
462-7208	Lockwasher—Condenser Clamp Screw.....
462-7208	Lockwasher—Fixed Contact Clamp Screw.....
462-7208	Lockwasher—Breaker Spring Clamp Screw.....
462-7208	Lockwasher—Condenser Connection Screw.....

30 & 33 HP MODIFICATIONS

MAGNETO STOP

On all 30 and 33 HP motors being repaired in your service department the following modifications should be made.

First, make certain the first tooth on the magneto stator gear is located between the first and second tooth on pinion gear. Then drill .125 hole (1/8" drill) 7/16 deep and press in 3335-3662 pin, when the 38° arrow on control cam (3645-4618) is in this position. (See Figure 1). If there isn't a 38° mark on cam, measure 3/4" from end of cam to front side of Limit Beam Guide. (See Figure 2).

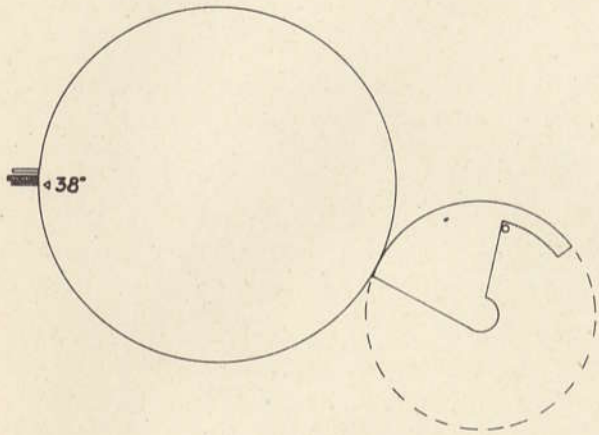


Fig. # 1

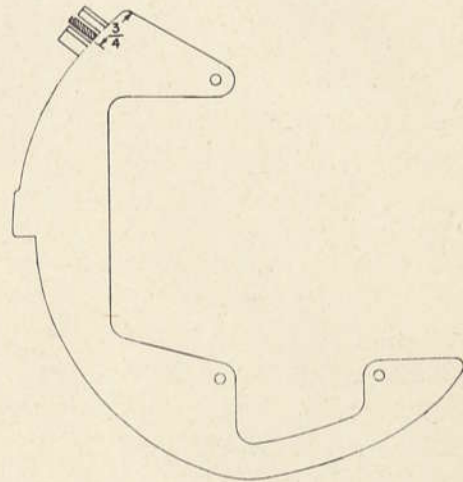


Fig. # 2

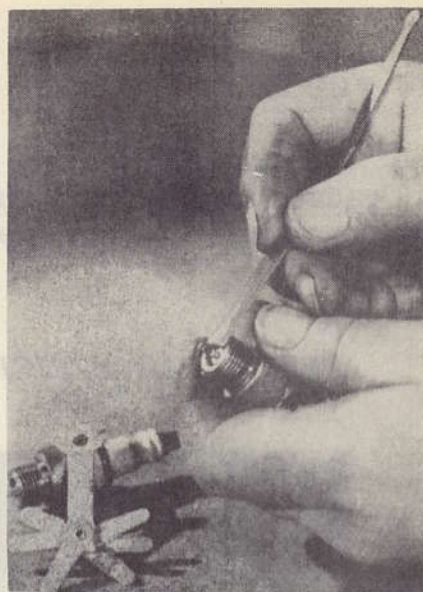
This modification prevents over advancement of the spark which results in the piston overheating.

Carefully remove all deposits of carbon and oxides with a wire brush or a sharp knife. Then clean and dress the electrode surfaces with a small file of the distributor point type. File the gap area so as to secure positively flat parallel surfaces on both center and side electrodes. Using a feeler gauge, gap the plug at the recommended setting. If a motor has a tendency to foul out on one plug, set that plug gap a little greater.

Before replacing a plug, check the gasket to see that it is not damaged or compressed out of shape. Replace the gasket whenever possible. Recommended torque readings for 14 mm. plugs in aluminum heads are: 23-27 ft. - lbs. or 280-324 in. - lbs. For 18 mm plugs, 28-34 ft. - lbs. or 336-408 ins. - lbs.

If a torque wrench is not available, screw the plug in finger tight and then tighten with a wrench, 3/4 turn when using a new gasket and 1/4 turn when using an old gasket.

If a motor is known to be hard on spark plugs, you might try a trick used by some of the old timers. Put a mark on the outside body of the plug to show where the outside electrode attaches to the body. Then screw in the plug so that the mark is downward. It may be necessary to use a new gasket or an old compressed gasket before the plug will be properly positioned within reasonable limits of tightness. Using this method results in the outside electrode pointing upward, which allows any oil or gas in the gap to run down the outside electrode, leaving the gap open and free of carbon deposits that would otherwise appear.



Dressing the gap.



“J” TYPE



REGULAR

SPARK PLUG RECOMMENDATIONS

MODEL	MAKE	GAP
3.6 and 4 HP	Champion H-10J	0.035
5 HP	Champion H-10J	0.035
7 1/2 HP	Champion H-10J	0.035
10 HP	Champion HT-10J	0.035
16 HP	Champion 5MJ	0.035
30 HP	Champion J-6J	0.025
33 HP	Champion J-6J	*0.030

Formerly, H-10 plugs were recommended for all motors up to 7 1/2 HP. The “J” type plugs, recommended above are the same as the regular type except that the ground electrode is cut back to the center line of the plug. The resulting greater spark exposure encourages easier starting, gives better idling performance and lessens the tendency to foul the gap, in 2 cycle engines.

The HT-10J plug, recommended for the 10 HP, is a new plug that has a shorter external porcelain. If any other plug is used, be sure there is enough clearance between the head and the skirts to prevent binding or shorting.

*Gap @ 0.025 if 3655 Magneto is used.

COMPARISON CHART FOR OUTBOARD ENGINE SPARK PLUGS

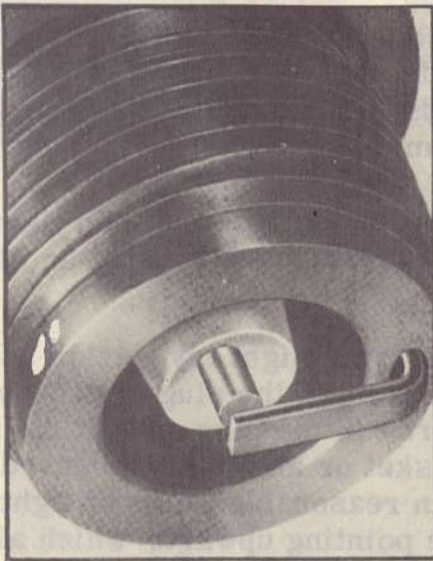
SIZE	RANGE	CHAMPION	A C	AUTO-LITE
18mm	HOT ↑ COLD ↓	J1-15.....	87M, 86M.	B9.....
		6M.....	85M.....	B7X.....
		5M, 5MJ.....	84M.....	B5X.....
		R-7.....	83M.....	
		R-11S.....	82M.....	
14mm	HOT ↑ COLD ↓	J-12J.....	46M.....	A11.....
		J-11J.....	46M.....	A9.....
		J-8J.....	245, 45M.....	A7X.....
		H-10J.....	46L-M.....	AL7X.....
		J-7J.....	44M.....	A6X.....
		J-6J.....	43M.....	
		J-3.....		A5X.....

Note: When Marine Engines are operated in extremely cold water it may be desirable to use a Hotter Type Spark Plug to avoid fouling.

PLUGS

Spark plug trouble in outboard motors is probably one of the most common causes of poor performance. Luckily enough, correcting this difficulty is one of the easiest service operations. The reason for spark plug trouble can usually be traced either to the fuel mixture used or to the carburetor adjustment.

**NEW, CLEAN, EFFICIENT
SPARK PLUGS**



**OILY, DIRTY, WORN-OUT
SPARK PLUGS**



Heavily leaded gasolines, or lubricating oils that contain detergent additives, cause abnormal carbon and oxide deposits in the cylinder resulting in fouled plugs. Setting the carburetor adjustment too rich will have the same effect. If an owner brings a motor in that is "hard on plugs", question him about these things. Diplomatically showing him where he can improve the operation of his motor will go far in promoting good will.

We recommend and use the Champion H-10J spark plugs, which are of the proper heat range for use on Scott-Atwater 3.6, 4, 5, 7-1/2 and 10 HP motors. If another plug is used, it should be checked periodically to see if it is of the proper heat range. If the center electrode and insulator is black and greasy, the plug is too cold, if chalky white, it is too hot. Proper insulator color is that of coffee with cream. Use Champion J6J plugs in 30 and 33 HP motors.



Plugs should be checked periodically. Cracked or loose insulators or badly burned and corroded terminals necessitate replacement of the plug. The electrode gap is the heart of the combustion process. Corroded or oxide coated electrodes vitally affect the efficiency of the spark.

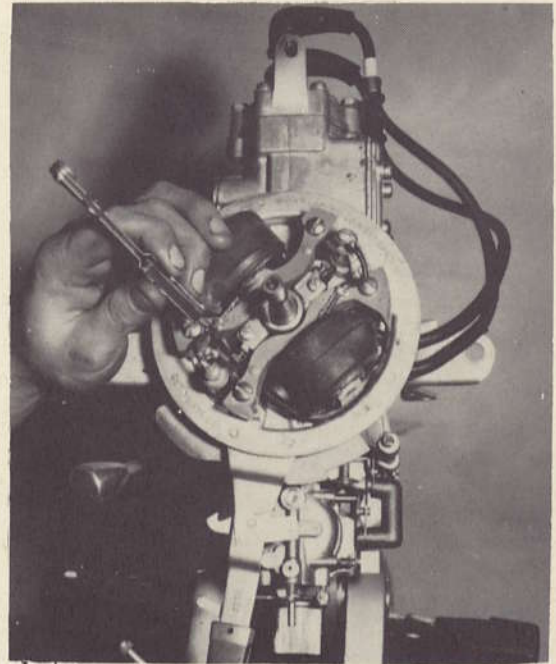
CLEANING AND ADJUSTING BREAKER POINTS

Clean the points by drawing a piece of clean paper partially through the points; open the points and remove the paper. Filing or sanding the contact points, if necessary, is recommended; but it must be done carefully. If the points are badly pitted, they should be replaced and the condenser should be checked. A defective condenser will allow a spark to arc across the points as they open and cause pitting.

Set the breaker points at .020 when the cam follower which opens the points is directly over the key and the speed control lever is approximately in the middle position.

LEAD WIRE GROUP

Care should be taken when replacing the lead wires to the plugs on the twin cylinder models to see that the proper wire is connected to the top plug. This wire has a "top" marker around the insulation near the clip end and is connected to the coil on the starboard side of the magneto. The lead wires are connected to the coil by winding the wire on the coil terminal or by means of a friction type plug. Never solder these wires to the coil; the heat of soldering may damage the coil insulation. Check the lead wires and spark plug hoods for undue wear or breaks in the insulation.



Checking breaker point gap.

SPARKY'S

Eliminate starting troubles caused by condensation or water on the spark plugs, by using Sparkys. Made of tight fitting - moistureproof neoprene rubber, it fits onto the lead wire and firmly over the spark plugs.

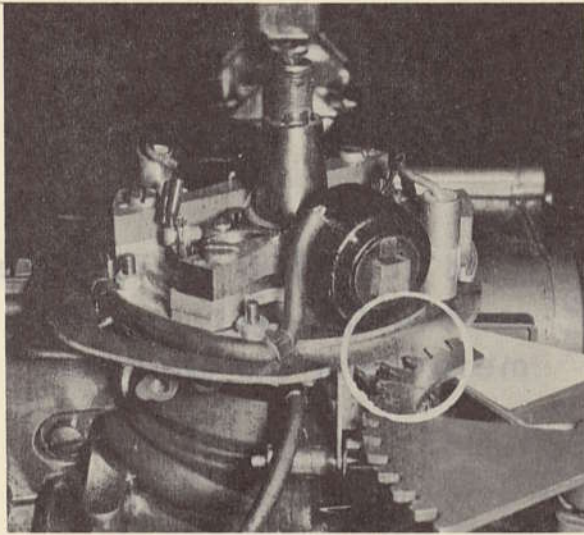


30 & 33 HP MAGNETO

The 30 and 33 HP Magneto is similar in construction to those of the other models. For easy access remove the recoil starter and flywheel. The standard flywheel puller (SK-1680) fits all models.

The magneto is fastened to the stator link and synchronous control cam with four screws, nuts and washers (pointing upward). Remove the nuts and washers, and lift the magneto off. Loosen the four stator adaptor mounting screws, and remove the adaptor, stator link, and synchronous cam.

Always place the breaker cam on the shaft with the **ARROW END UP**. Standard models above serial #36552829, and electric starting models above serial #3655-3-1177 use an improved type breaker cam.



Stator Link and Gear

When replacing the stator gear, the first two teeth on the gear must fit over the first tooth on the stator link.

The correct setting for the points is .020.

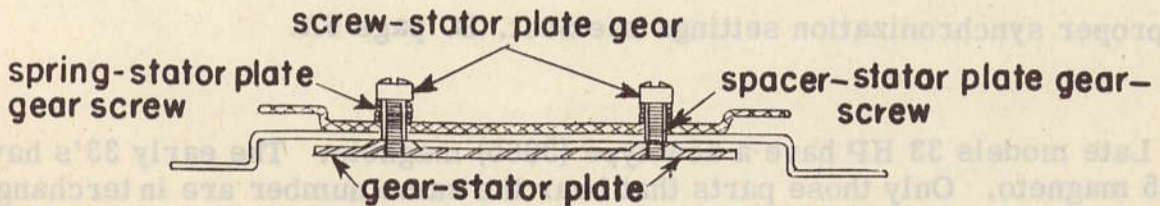
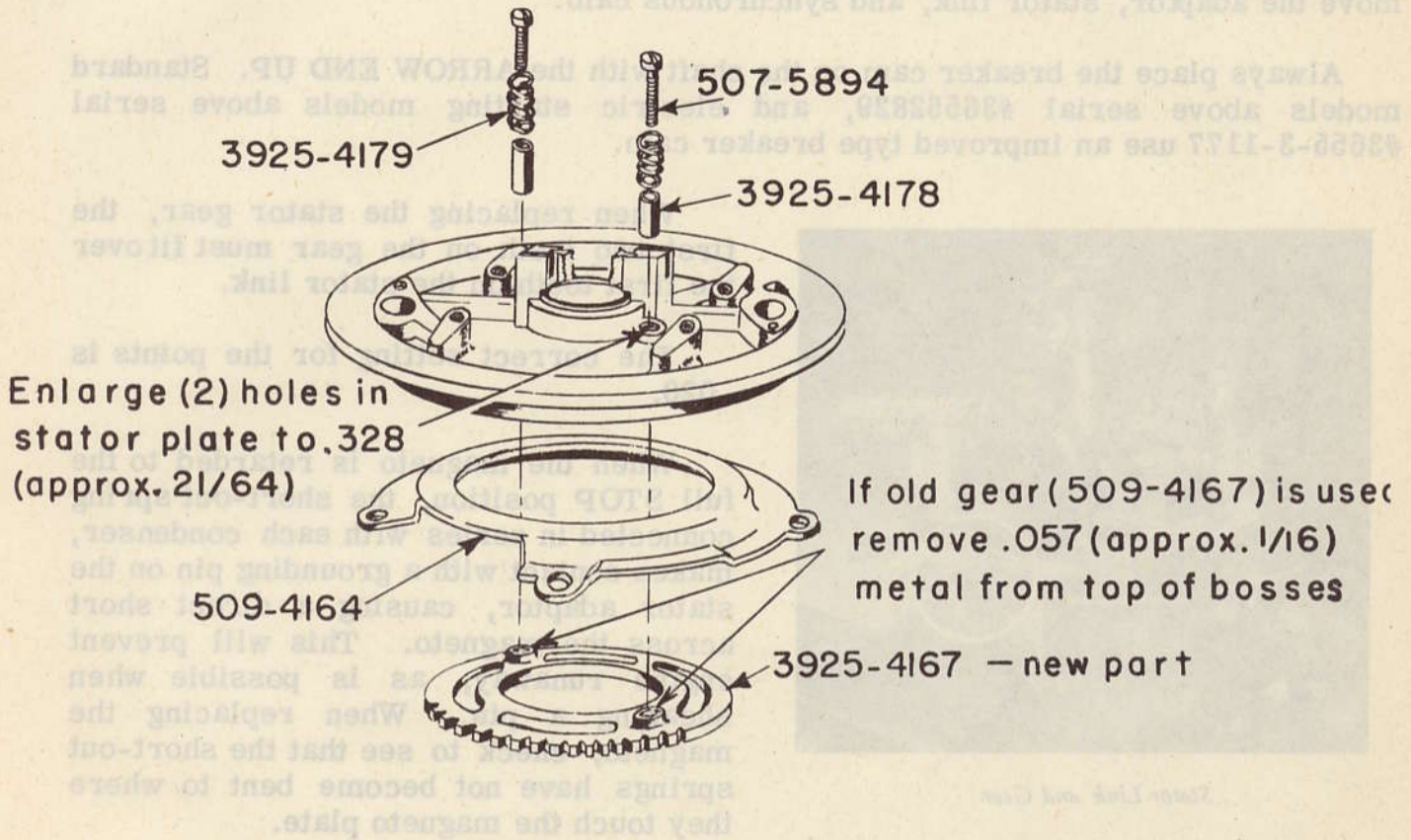
When the magneto is retarded to the full STOP position, the short-out spring connected in series with each condenser, makes contact with a grounding pin on the stator adaptor, causing a direct short across the magneto. This will prevent engine runaway, as is possible when shearing a pin. When replacing the magneto, check to see that the short-out springs have not become bent to where they touch the magneto plate.

For proper synchronization settings see Sect. B. page 5A.

Late models 33 HP have a new type (3665) magneto. The early 33's have the 3655 magneto. Only those parts that bear the same number are interchangeable. An exception is the 3655-134 Coil which replaces the 1355-134 Coil in the 3655 Magneto group. The 3665 Magneto is used on manual starting 33 HP motors above serial number 3665-3317, and on electric starting motors above serial number 3665-3-3127.

16 HP STATOR PLATE MODIFICATION

Excessive play in the stator plate bearing on the Model 509 and 519 can be corrected by making the installation shown below. This modification will stop any stator plate wobble which makes it difficult to set the breaker points accurately.



New parts req. (See illustration for placement)

- 3925-4178 Spacer— Stator Plate Gear Screw
- 3925-4179 Spring— " " " "
- 3925-4167 Gear— Stator Plate
- 507-5894 Screw— Stator Plate Gear

If it appears that oil is leaking past the top main bearing on the 7 1/2 hp twin, insert an oil seal, Part No. 465-1899, before replacing the key and cam. This oil seal is a service part only and should not be used unless oil is actually leaking past the bearing (the seal needs lubrication and will not stand up if the bearing isn't leaking). Insert this seal with the metal face outward.

The coils are held on the iron core with wedges or by a clip. To remove a coil, remove the core from the stator plate. Work the wedges loose (or bend the clip down) and pull the coil unit off. Be sure the cores are replaced in exactly the same position, as an undue misplacement will cause them to rub on the flywheel. The clearance (air gap) between the cores and the flywheel is .010''.

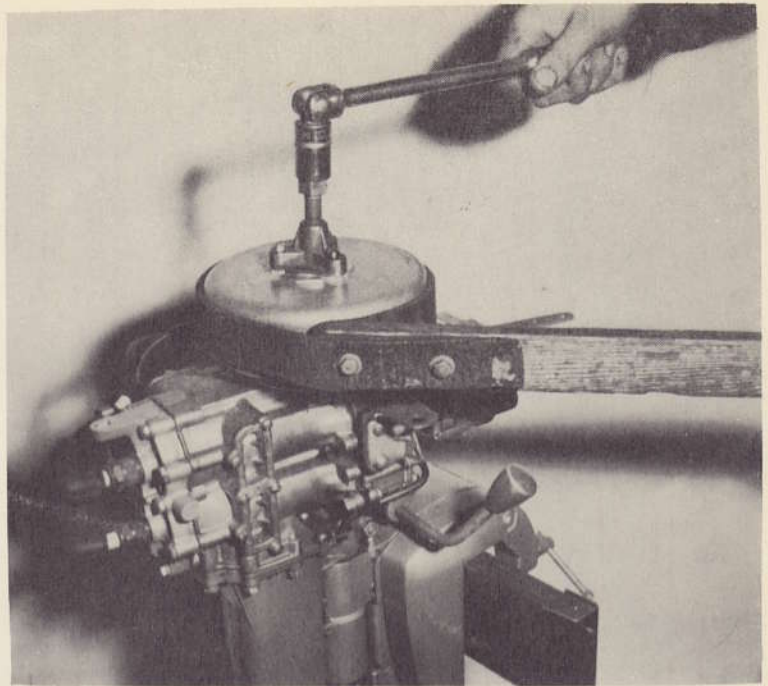
In replacing the cam, be sure to place it on the shaft with the arrow on the top side. The placement of this cam and the point setting are the only things that will affect the timing of the motor.

16HP MAGNETO

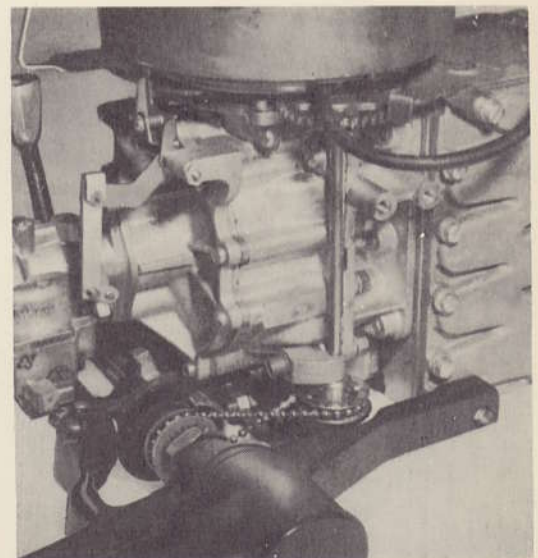
The stator plate is fastened to the gear by two screws which must be removed in order to take the stator plate off. Pull the flywheel and remove the screw alongside each of the cam followers.

To replace the gear drive, slide the stator plate gear over the magneto mount; slide the pinion gear in position, engaging the stator plate gear; and replace the mounting ring over the gear. You need not be concerned about the relative positions of these gears when assembling since the adjustment is made on the bead chain pulley. Lubricate all working parts when assembling. Slide the stator plate over the magneto mount, line up the holes in the plate and gear, and replace the two screws.

When ordering parts for any magneto, be sure you are using the right parts lists. Some models are manufactured with more than one magneto. Compare the breaker points and coils with the drawings to be sure you have the right parts list.



Using flywheel puller and home made holder.



Linkage for stator plate control.

IGNITION

MAGNETO

All models are equipped with Wico, Splitdorf, Eisemann or Phelon magnetos. Examine the serial number stamped on the nameplate to determine which magneto the motor has. An "E" following the number indicates Eisemann; a "P", Phelon. Use the corresponding parts list when ordering parts.

The magneto used on the twin consists of two complete coils, condensers and breaker point sets which means that there is virtually a separate magneto for each cylinder. The failure of one magneto unit will not affect the operation of the other and the motor will continue to run on one cylinder. The coil, condenser and breaker contact sets are interchangeable between the two units and between the twin and single cylinder magnetos.

MAGNETO TESTING

To test the magneto, remove a lead wire and with the tip of the wire held about 1/8" from some part of the motor, pull the motor over with a starting rope. If the arc across the gap is a strong bluish-white spark, the magneto is in good condition and need not be serviced. However, a poor spark or no spark at all indicates that the magneto is not functioning properly.



If you do a great deal of service work it is advisable to invest in a magneto testing set that will determine the condition of the coils and condensers.

DISASSEMBLY

After the gas tank has been removed, the magneto rotor can be pulled by removing the flywheel nut and starter ratchet pulley. If the rotor does not come off easily, use the flywheel puller, Part No. SK 1680, which will fit all magnetos on Scott-Atwater motors. The stator plate can be removed after loosening the tension screw underneath the plate. Slide the cam off the crankshaft and remove the key.



Magneto testing set.

SCOTT-ATWATER SERVICE MANUAL

SECTION E - IGNITION

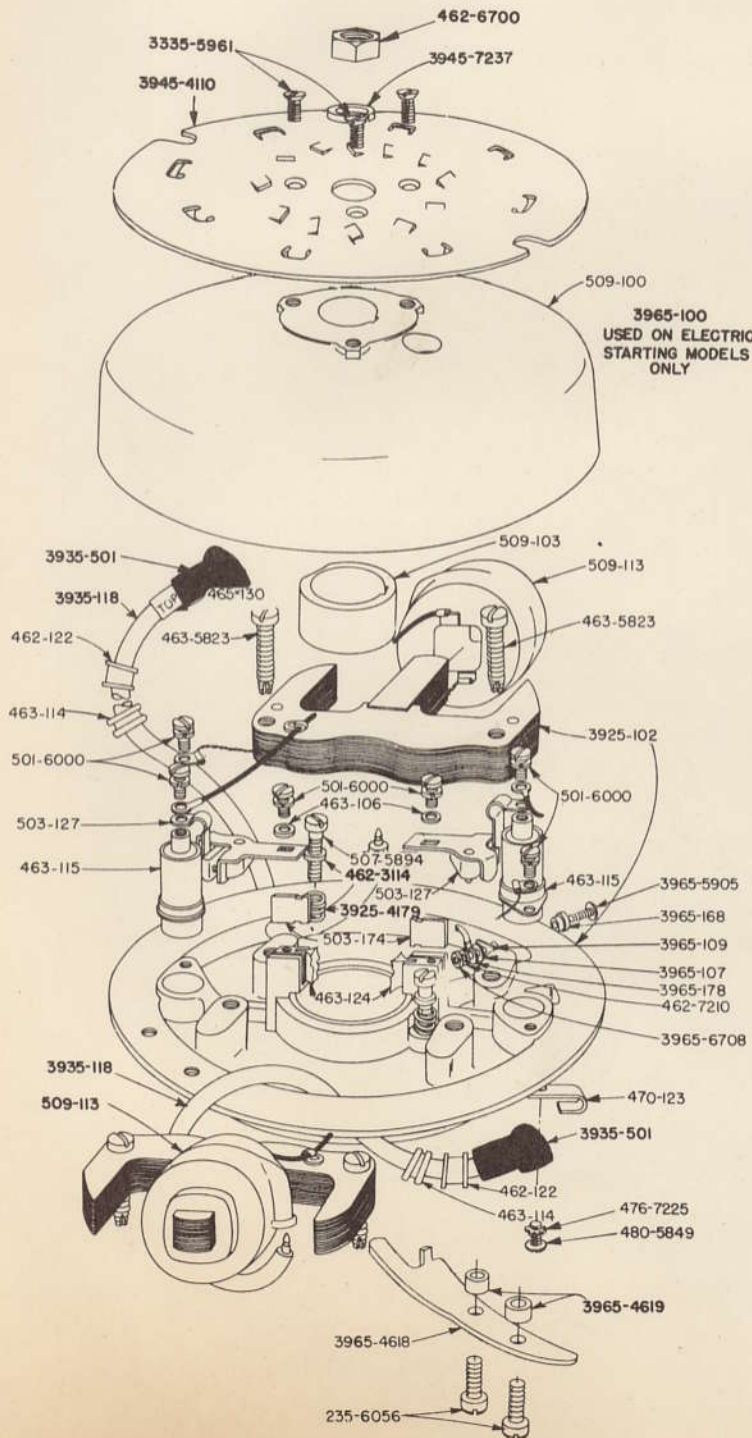
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PLUGS	4
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PARTS LIST OF ALL MAGNETOS	Begin P1

(Magneto - 3765 P44)

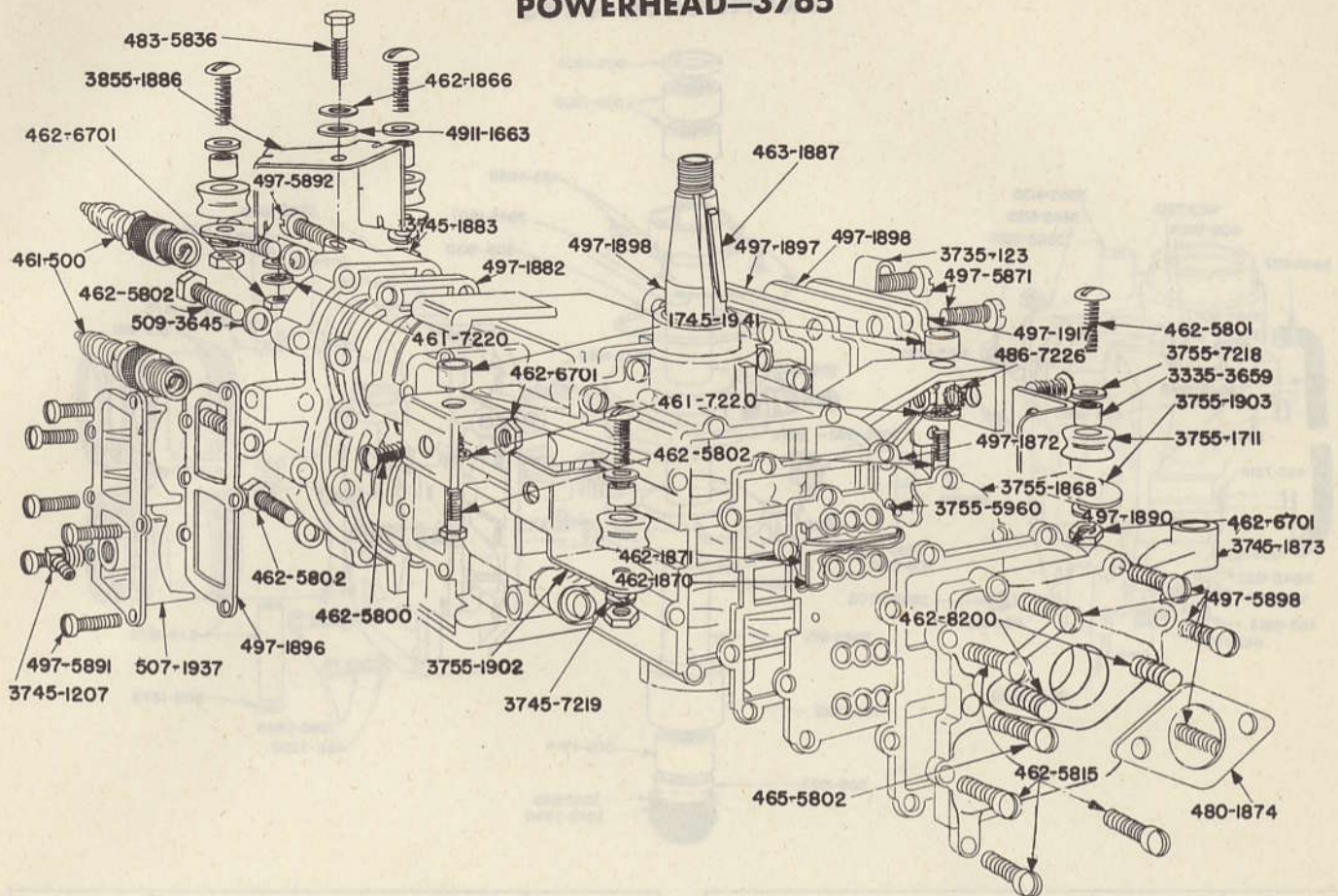
(Magneto - 3865 P45)

MAGNETO-3965



Part Number	Description
509-100	Magneto Rotor
*3965-100	Magneto Rotor
3925-101	Magneto Stator Plate Unit Complete
*3965-101	Magneto Stator Plate Unit Complete
3925-102	Magneto Stator Plate (Plate and Cores)
509-103	Breaker Cam
3925-105	Magneto Complete (Manual Start)
3965-105	Magneto Complete (Electric Start)
463-106	Fixed Contact Washer
*3965-107	Insulating Washer—Small
*3965-109	Insulating Shield
509-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3935-118	Lead Wire Group
462-122	Clamp Bushing
470-123	Clamp
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Band
*3965-168	Insulating Washer Large
503-174	Breaker Slide
*3965-178	Ground Lead
3935-501	Spark Plug Hood
462-3114	Washer—Stator Plate Gear Screw
3945-4110	Ratchet Plate
3925-4179	Spring
3965-4618	Synchronous Control Cam
3965-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
480-5849	Screw
507-5894	Screw—Stator Plate Gear
*3965-5905	Screw—Ground
3335-5961	Screw
501-6000	Screw
235-6056	Screw
462-6700	Nut—Flywheel
*3965-6708	Nut—Ground Screw
462-7210	Lockwasher
476-7225	Lockwasher
3945-7237	Lockwasher
	*Used on Electric Starting Model Only

POWERHEAD—3765



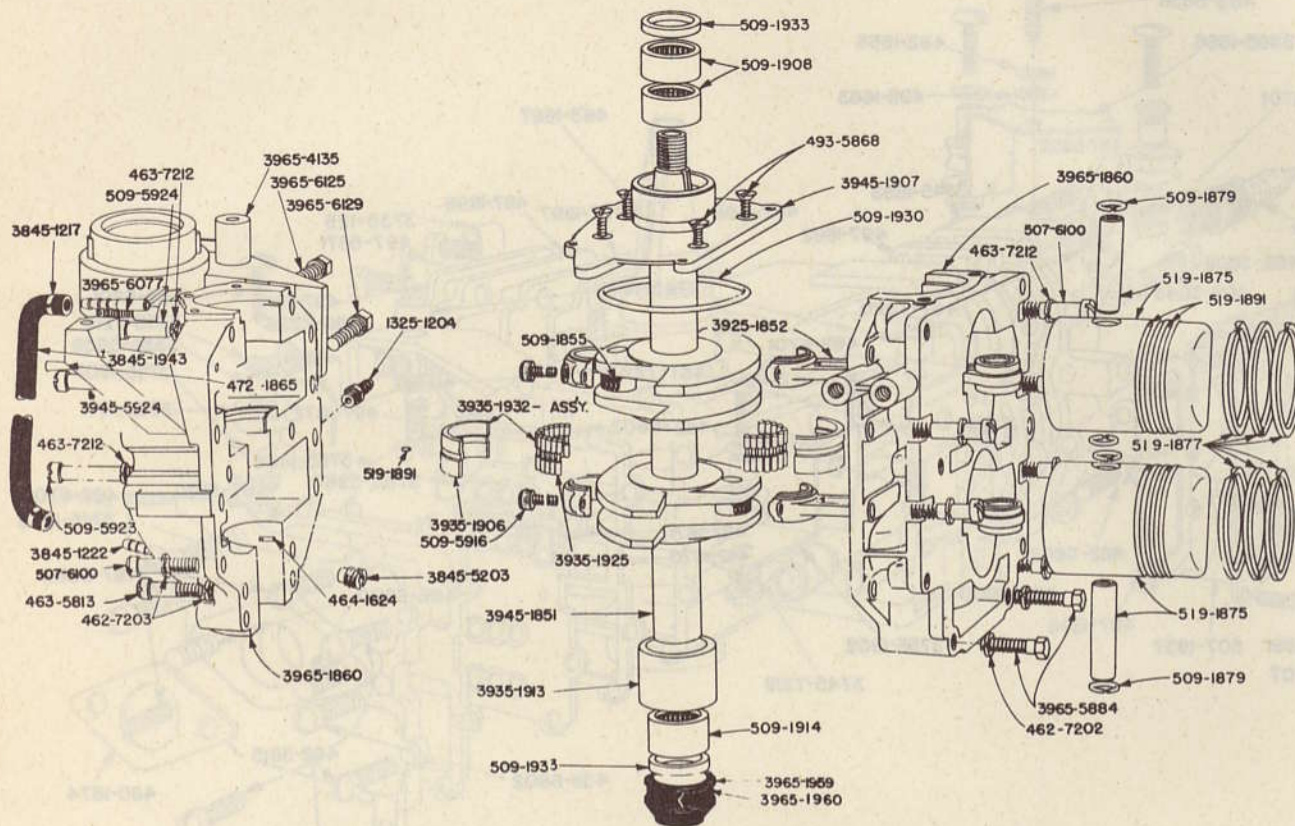
Part Number	Description
3735-123	Lead Wire Clamp
461-500	Spark Plug
3745-1207	Fitting
4911-1663	Spacer
3755-1711	Grommet
462-1866	Washer
3755-1868	Reed Valve Plate Assembly
462-1870	Reed Only
462-1871	Reed Stop
497-1872	Valve Reed Plate Gasket
3745-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
3745-1883	Detachable Cylinder Head
3855-1886	Bracket—Rear
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust and Water Cover Plate Gasket
3755-1902	Bracket—Right Front
3755-1903	Bracket—Left Front

Part Number	Description
497-1917	Water Cover Plate
507-1937	Intake Cover Plate
1745-1941	Spacer
509-3645	Washer
3335-3659	Spacer
462-5800	Screw
462-5801	Screw
462-5802	Screw
465-5802	Screw
462-5804	Screw—Cylinder Head
463-5813	Screw—Cylinder Head
497-5892	Screw
462-5815	Screw—Intake Manifold—Short
483-5836	Screw
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
3755-5960	Screw—Reed Valve
462-6701	Nut
3755-7218	Washer
3745-7219	Lockwasher
461-7220	L.W.
486-7226	L.W.
462-8200	Carburetor Flange Stud

(CRANKCASE - 3865 - P68)

(POWERHEAD - 3865 - P69)

CRANKCASE-3965



<i>Part Number</i>	<i>Description</i>
1325-1204	Fitting — Pump Pressure Line
3845-1217	Ferrule
3845-1222	Fitting
464-1624	Pin
3945-1851	Crankshaft
3925-1852	Connecting Rod Assembly (Includes 509-1855, 509-5916)
*509-1855	Crank Pin Roller Set (56)
3965-1860	Crankcase Assembly
472-1865	Taper Pin
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
519-1891	Pin
3935-1906	Race
3945-1907	Magneto Mount Plate
509-1908	Needle Bearing — Magneto Mount
3945-1911	Magneto Mount Assy. (Includes 3945-1907, 509-1908, 509-1933)
3935-1913	Retainer — Lower Crankshaft Bearing
509-1914	Needle Bearing
3935-1916	Lower Crankshaft Bear. Assy. (Includes 3935-1913, 509-1914, 509-1933)
3935-1925	Center Crankshaft Roller Bear. Set (23)

<i>Part Number</i>	<i>Description</i>
509-1930	"O" Ring Magneto Mount
3935-1932	Center Bearing Assembly (3935-1906 and 3935-1925)
509-1933	Oil Seal
3845-1943	Lubrication Line
3965-1959	Boot
3965-1960	Collar
3965-4135	Bracket—Starter Motor
3845-5203	Check Valve
463-5813	Screw—Lower Main Bearing
493-5868	Screw—Mag. Mount Bearing Cage
3965-5884	Screw—Crankcase to Block
509-5916	Screw—Connecting Rod Cap
509-5923	Screw—Crankcase Center Front
509-5924	Screw—Top Crankcase
3945-5924	Screw—Crankcase Flange
3965-6077	Screw—Bracket to Crankcase
507-6100	Screw—Crankcase Flange
3965-6125	Screw—Bracket to Crankcase
3965-6129	Screw—Bracket to Crankcase
462-7202	Lockwasher—Crankcase to Block
462-7203	Lockwasher
463-7212	Lockwasher
*Sold in Sets Only, to Maintain Uniformity	

CRANKCASE—3665

Part Number	Description
235-604	Welch Plug
3845-1217	Clamp
3655-1222	Fitting
3845-1222	Fitting
3655-1223	Fitting
497-1809	Seal
3645-1851	Crankshaft
*1655-1852	Con-Rod Assy. (Includes 1665-1855, 3665-1855, and 2645-5970)
*3655-1854	Bearing
3665-1855	Bearing Crank Pin
1665-1855	Crank Pin Roller Set
3655-1860	Crankcase Assembly
*3655-1875	Piston Assembly
†3655-1876	Piston Only
3645-1877	Piston Ring
*3655-1878	Pin Only
*3655-1879	Piston Pin Lock
3645-1885	Seal
†3655-1891	Piston Ring Pin
3645-1906	Race—Center Bearing
3645-1908	Bearing Assembly—Upper

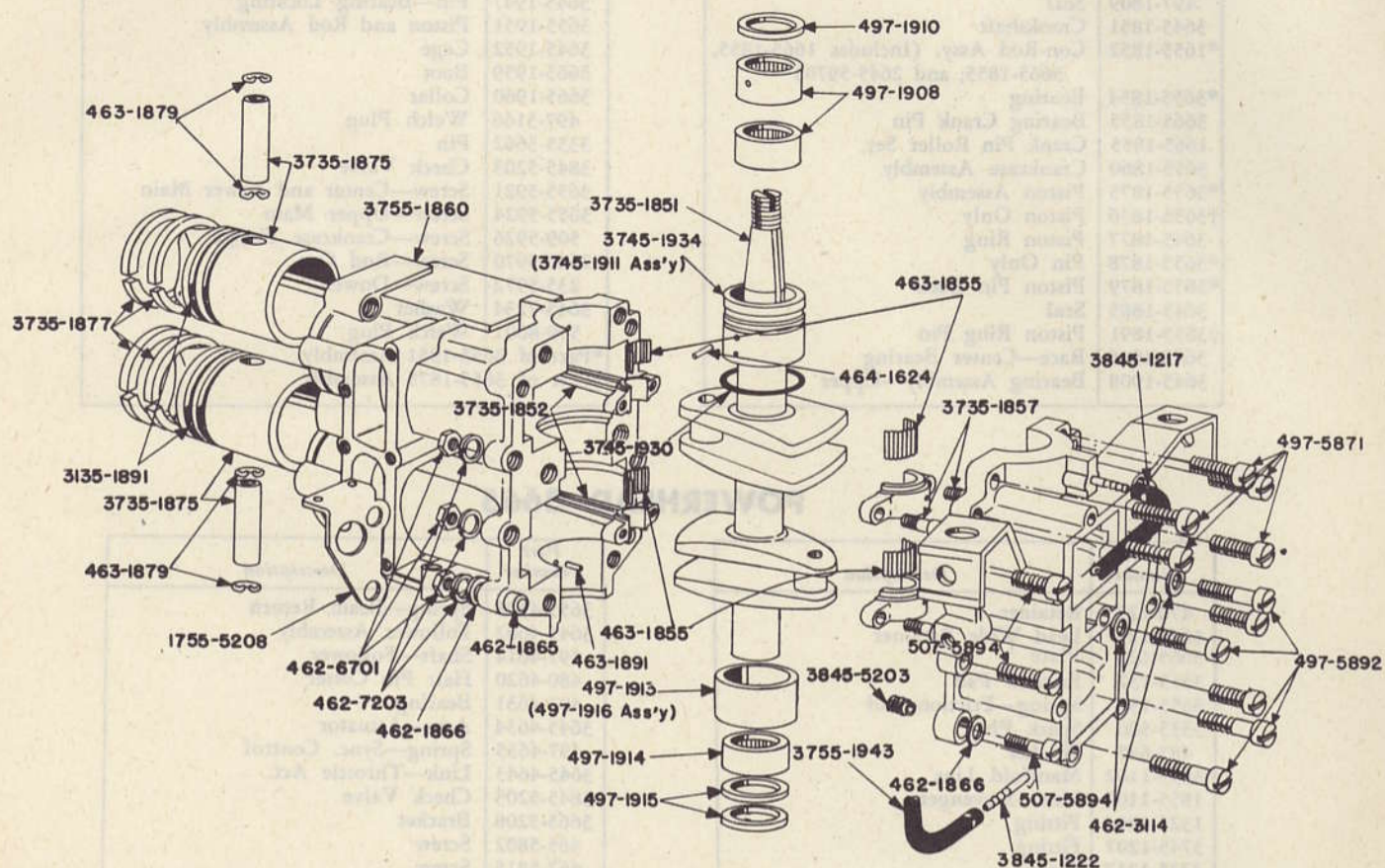
Part Number	Description
3645-1910	Oil Seal
3645-1914	Bearing Assembly—Lower
3645-1925	Center Bearing Roller Set (16)
3645-1932	Bearing Assy. (3645-1906 and 1925)
3645-1943	Lubr. Line
3645-1947	Pin—Bearing Locating
3655-1951	Piston and Rod Assembly
3645-1952	Cage
3665-1959	Boot
3665-1960	Collar
497-3166	Welch Plug
3335-3662	Pin
3845-5203	Check Valve
3655-5921	Screw—Center and Lower Main
3655-5924	Screw—Upper Main
509-5926	Screw—Crankcase Flange
2645-5970	Screw—Rod Cap
235-5972	Screw—Dowel
3645-7234	Washer
509-8601	Welch Plug
*Part of 3655-1951 Assembly	
†Part of 3655-1875 Assembly	

POWERHEAD—3665

Part Number	Description
470-123	Retainer
1645-123	Lead Wide Retainer
3665-123	Plate
3655-137	Friction Pad
3655-138	Spring—Friction Pad
3335-500	Spark Plug
487-645	Washer
3655-1102	Manifold Line
1855-1108	Line—Scavenger
1325-1204	Fitting
3745-1207	Fitting
3325-1217	Clamp
3645-1709	Bracket
3645-1711	Bumper
1675-1868	Reed Plate Assembly
*3645-1869	Plate Only
*3645-1870	Reed Valve
*3645-1871	Clamp Plate
3655-1872	Gasket
3645-1873	Intake Manifold
3645-1882	Gasket—Cylinder Head
3645-1883	Cylinder Head
3655-1887	Key—Flywheel
3645-1890	Gasket
3655-1892	Plate—Baffle
3655-1895	Cover Plate—Intake
3645-1896	Gasket—Intake Cover Plate
3645-1897	Cover Plate—Exhaust
3645-1898	Gasket—Exhaust Cover Plate
3665-1902	Bracket—R
3645-1903	Bracket—L
3645-1917	Water Plate—Exhaust
3655-1935	Guide—Lead Wire
1675-1945	Gasket—Cylinder Head Water
1675-1946	Cover Plate
*3645-1961	Clamp Plate
3655-3645	Washer
3665-3677	Bracket—Spring R.
3645-3681	Bracket—Spring L.
3655-4169	Stator Pinion Assembly
3655-4173	Spacer—Stator Pinion
3655-4314	Arm—Starter Lock Link
3655-4317	Screw
3665-4322	Beam
509-4380	Washer

Part Number	Description
3655-4388	Spring—Beam Return
3645-4602	Follower Assembly
497-4614	Shaft—Follower
480-4620	Hair Pin Cotter
497-4631	Bearing
3645-4634	Arm—Actuator
497-4635	Spring—Sync. Control
3645-4643	Link—Throttle Act.
3845-5203	Check Valve
3665-5208	Bracket
465-5802	Screw
462-5815	Screw
465-5827	Screw
464-5839	Screw
3645-5878	Bolt—Cylinder Head
3645-5884	Screw
497-5891	Screw
3655-5891	Screw
497-5902	Screw—Follower Adj.
509-5921	Screw
509-5951	Screw
509-5961	Screw
*3675-6001	Screw
3655-6024	Screw
3655-6027	Screw
507-6050	Screw
507-6053	Screw
3675-6053	Screw
3675-6055	Screw
3665-6059	Screw
465-6713	Nut
3655-6715	Speed Nut
493-6719	Nut
3655-6735	Speed Nut
462-7202	Lockwasher
*3745-7208	Lockwasher
462-7209	Lockwasher
3835-7212	Lockwasher
463-7214	Lockwasher
497-7230	Lockwasher
509-8200	Stud—Carb. Flange
3945-8602	Pipe Plug
3645-8614	Retaining Ring
3655-8616	Retaining Ring
*Part of 1675-1868 Assembly	

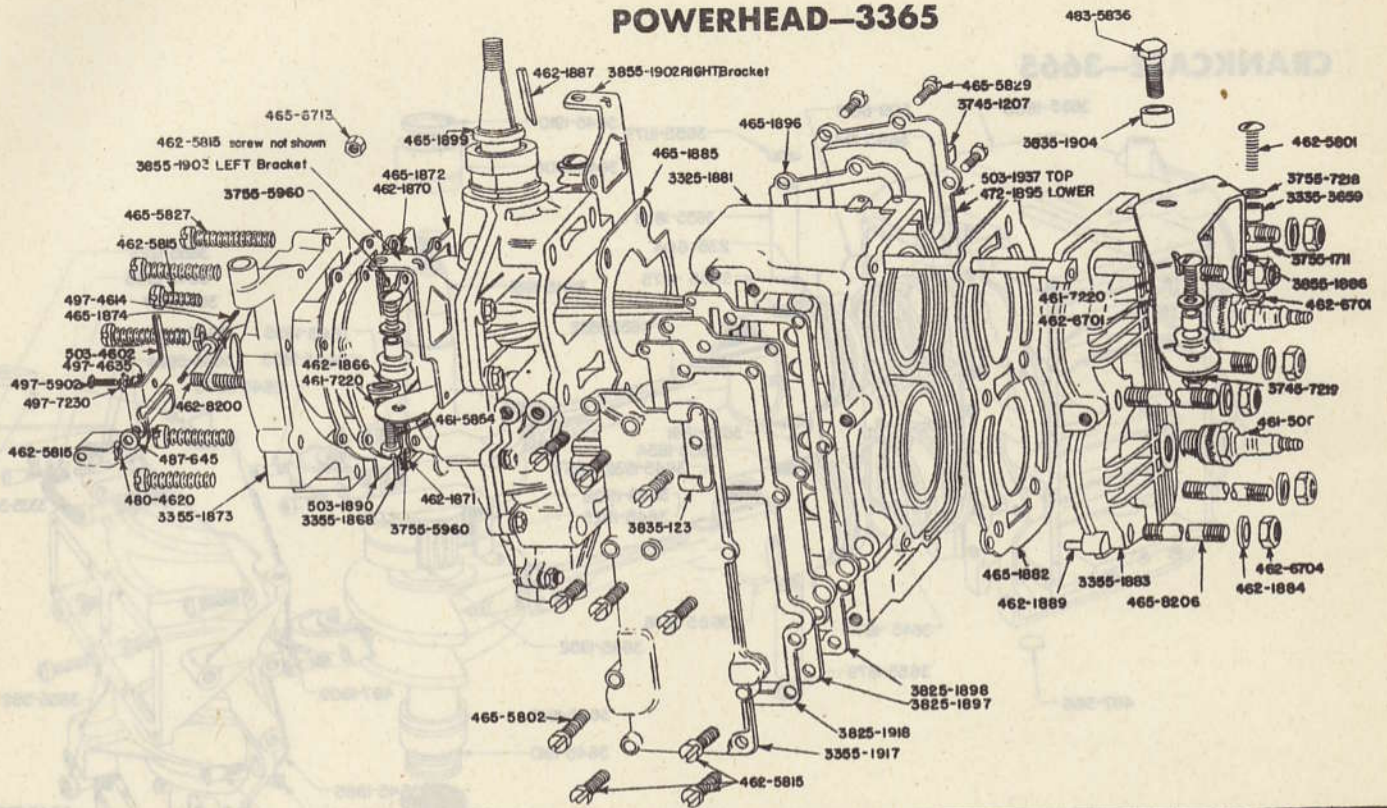
CRANKCASE-3765



Part Number	Description
3845-1217	Clamp
3845-1222	Fitting - Lubrication Line
464-1624	Groove Pin - Bearing Retainer
3735-1851	Crankshaft
3735-1852	Connecting Rod Assembly
463-1855	Connecting Rod Crank Pin Roller (Set)
3735-1857	Connecting Rod Screw
3755-1860	Crankcase and Block Assembly
462-1865	Hollow - Dowel
462-1866	Washer - Dowel Screw
3735-1875	Piston Assembly
3735-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Pin - Lower Bearing
3135-1891	Piston Ring Pin
497-1908	Needle Bearing - Magneto Mount
497-1910	Oil Seal - Magneto Mount

Part Number	Description
3745-1911	Magneto Mount Assembly (includes 3745-1934, 497-1908, 497-1910)
497-1913	Retainer - Lower Crankshaft Bearing
497-1914	Needle Bearing
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
3745-1930	Seal
3745-1934	Bearing Cage
3755-1943	Lubrication Line
462-3114	Washer
3845-5203	Check Valve
1755-5208	Pump Bracket
497-5871	Screw - Crankcase Flange
497-5892	Screw
507-5894	Screw
462-6701	Nut
462-7203	L.W.

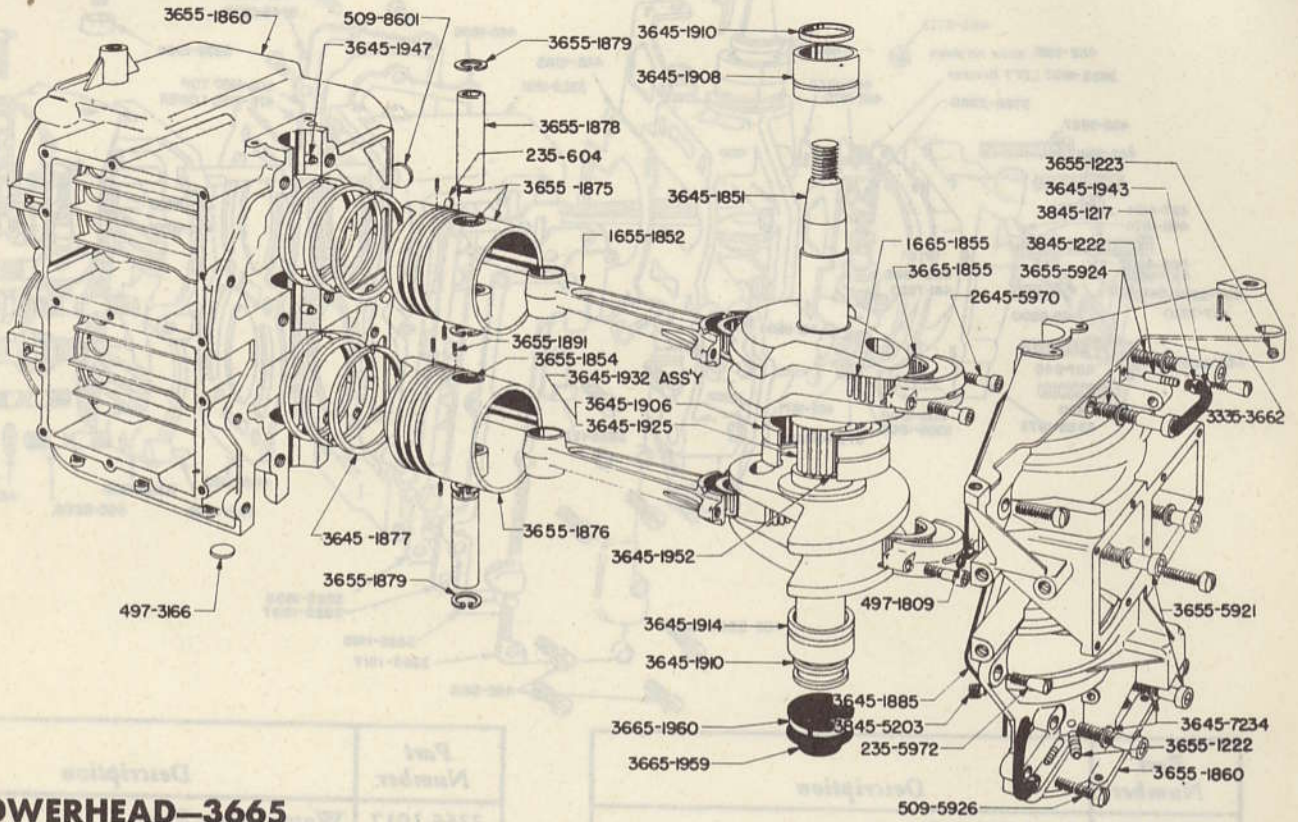
POWERHEAD-3365



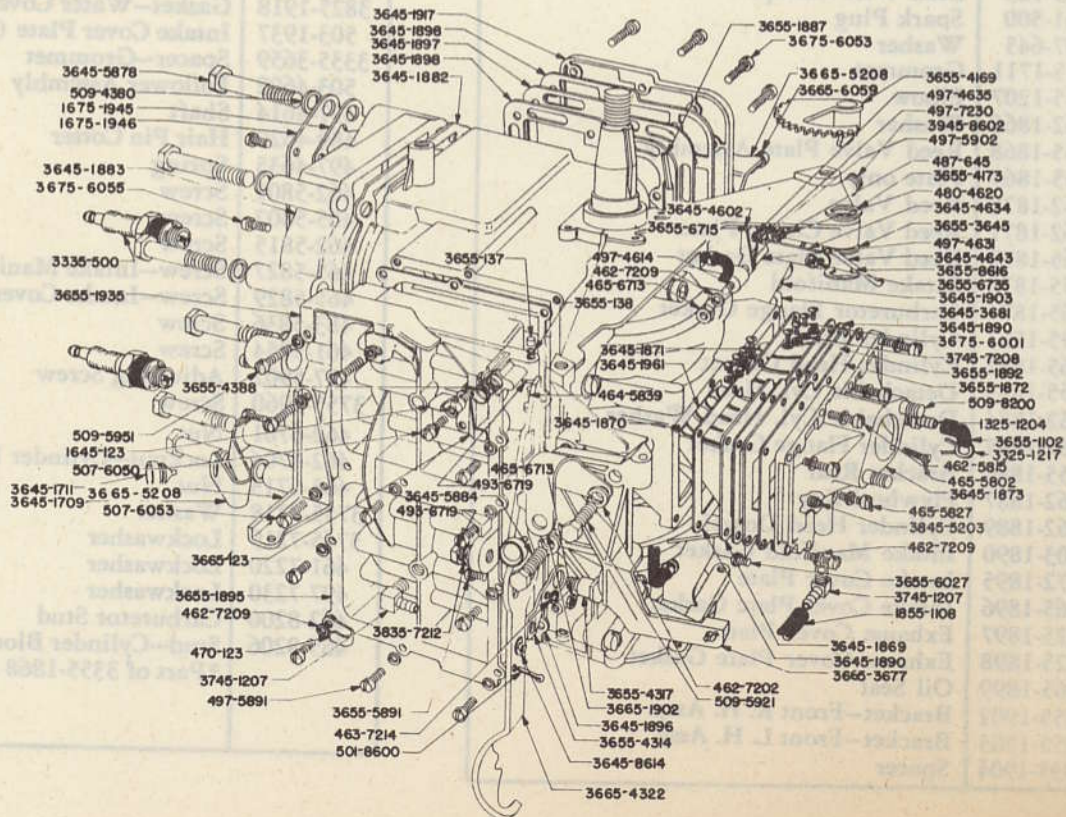
Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer
3755-1711	Grommet
3745-1207	Elbow
462-1866	Washer
3355-1868	Reed Valve Plate Assembly
*3355-1869	Plate only
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
3355-1873	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
3355-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
3855-1886	Bracket Rear
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
3855-1902	Bracket—Front R. H. Assy.
3855-1903	Bracket—Front L. H. Assy.
3835-1904	Spacer

Part Number	Description
3355-1917	Water Cover Plate
3825-1918	Gasket—Water Cover Plate
503-1937	Intake Cover Plate (Tapped)
3335-3659	Spacer—Grommet
503-4602	Follower Assembly
497-4614	Shaft
480-4620	Hair Pin Cotter
497-4635	Spring
462-5801	Screw
465-5802	Screw
462-5815	Screw
465-5827	Screw—Intake Manifold
465-5829	Screw—Intake Cover Plate
483-5836	Screw
461-5854	Screw
497-5902	Adjusting Screw
3755-5960	Screw
462-6701	Nut
462-6704	Locknut—Cylinder Head
465-6713	Nut
3755-7218	Washer
3745-7219	Lockwasher
461-7220	Lockwasher
497-7230	Lockwasher
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
	*Part of 3355-1868 Assembly

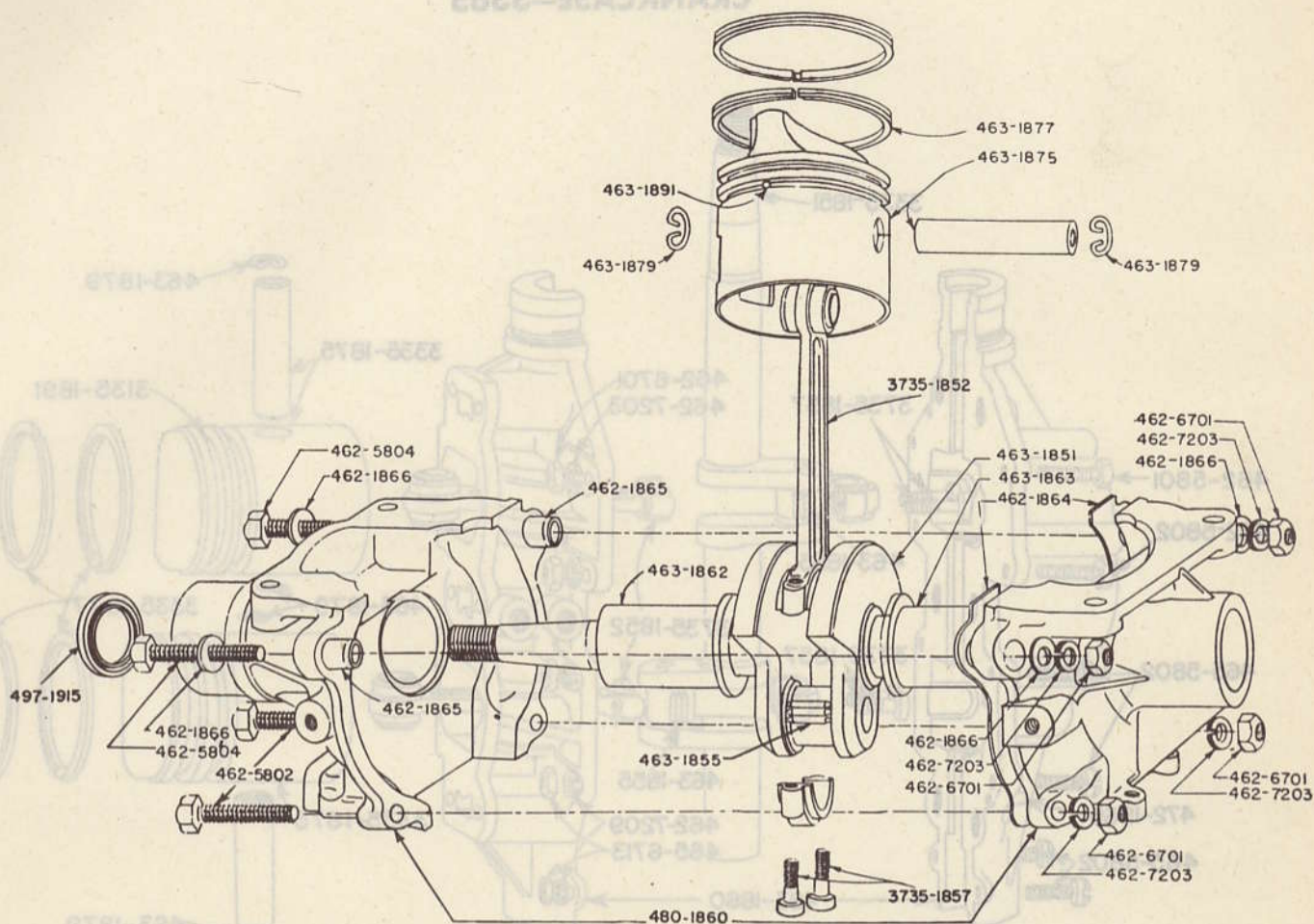
CRANKCASE-3665



POWERHEAD-3665



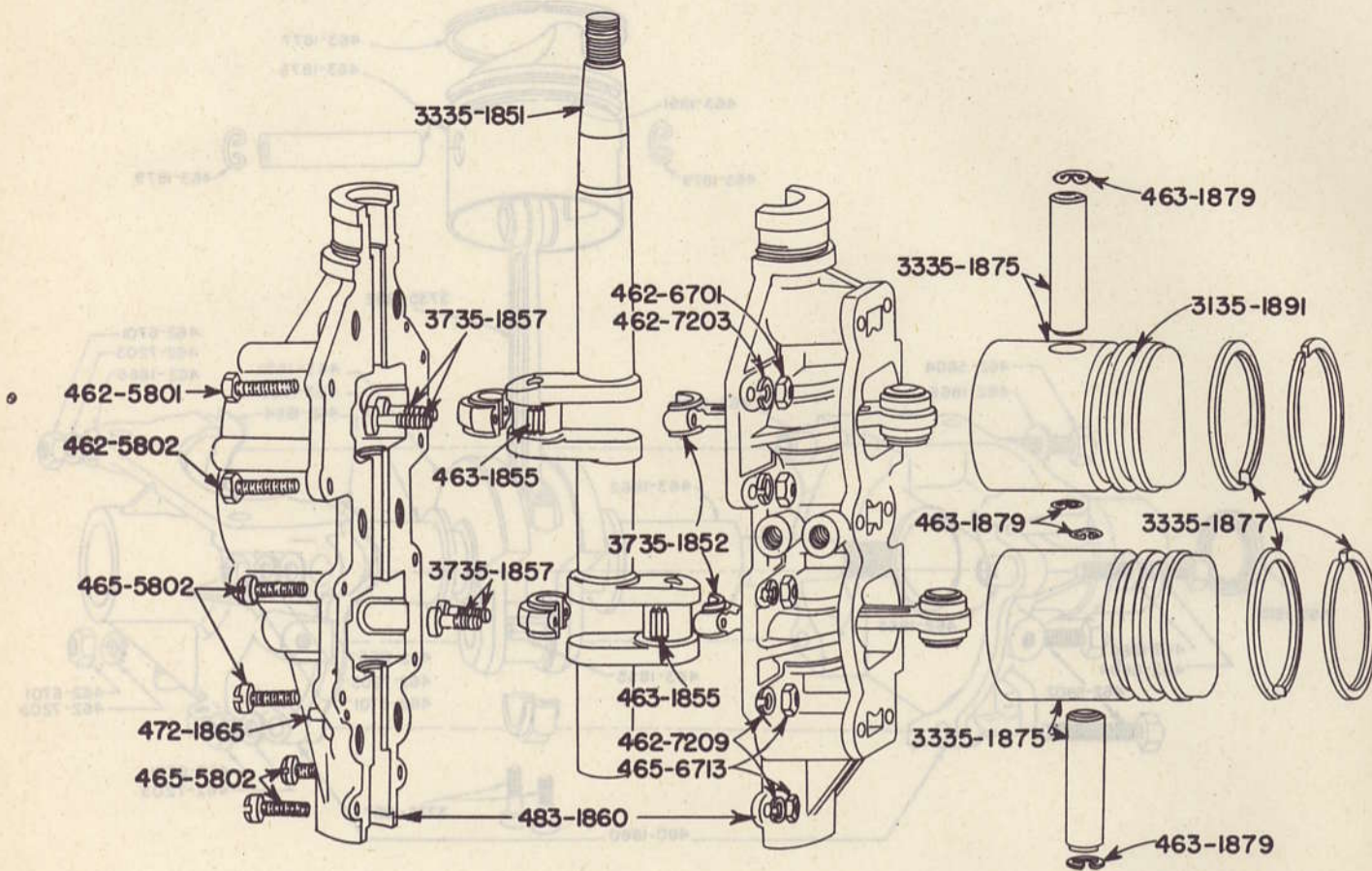
CRANKCASE-3065



Part Number	Description
463-1851	Crankshaft
3735-1852	Connecting Rod and Cap (Includes 463-1855 and 3735-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
480-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket

Part Number	Description
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
497-1915	Seal
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut

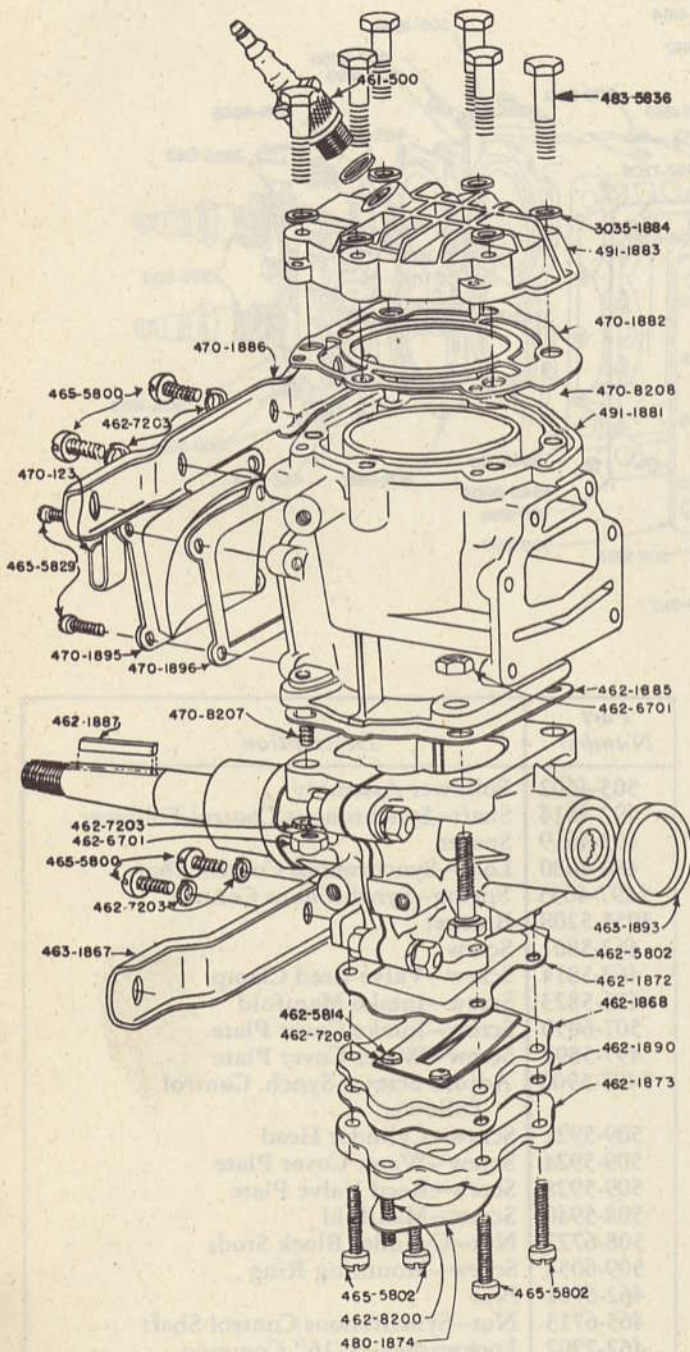
CRANKCASE-3365



Part Number	Description
3335-1851	Crankshaft
3735-1852	Connecting Rod Assembly (Includes 463-1855 and 3735-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel *Sold in sets only, to maintain uniformity

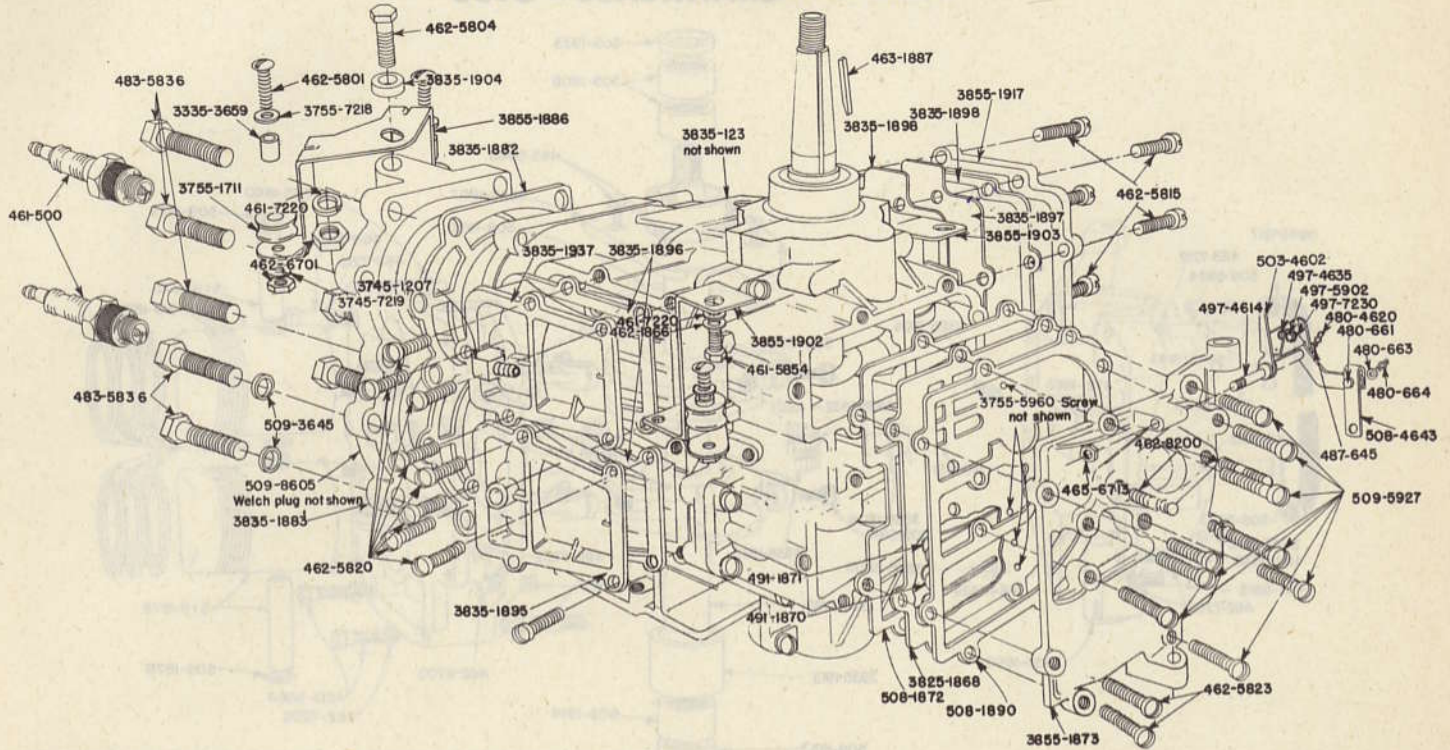
Part Number	Description
3335-1875	Piston and Pin
3335-1877	Piston Ring
463-1879	Piston Pin Lock
3135-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
462-5802	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange Screw Nut
462-7209	Lock Washer—Crankcase Flange Screw Nut

POWERHEAD-3065



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-1867	Front Gas Tank Bracket
462-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
462-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
3035-1884	Washer
462-1885	Cylinder Flange Gasket
470-1886	Rear Gas Tank Bracket
462-1887	Flywheel Key
462-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
465-5802	Valve Reed Clamp Screw
462-5814	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
483-5836	Screw
462-6701	Cylinder Block Flange, Cylinder Head
462-1872	Lock Washer—Cylinder Block Flange and Bracket
462-7203	Lock Washer—Valve Reed Clamp Screw
462-7208	Lock Washer—Valve Reed Clamp Screw
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud

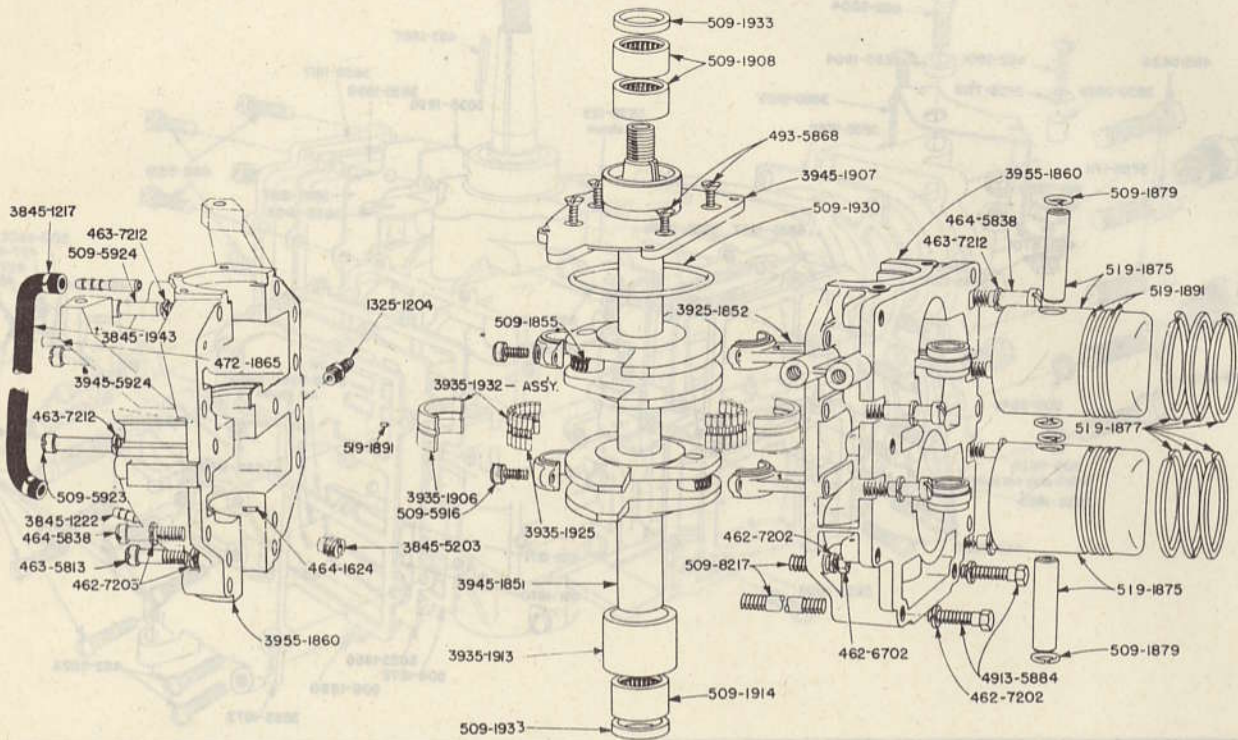
POWERHEAD — 3855



Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer—Synch. Control Shaft Lever
480-661	Pivot Pin
480-663	Washer—Throttle Lever Pivot Pin
480-664	Hairpin Cotter
3745-1207	Elbow
3755-1711	Grommet
462-1866	Washer
3825-1868	Reed Valve Plate Assembly
*3825-1869	Plate only
*491-1870	Valve Reed
*491-1871	Valve Reed Stop
508-1872	Valve Reed Plate Gasket
3855-1873	Intake Manifold
3835-1882	Cylinder Head Gasket
3835-1883	Cylinder Head
3835-1886	Bracket—Rear
463-1887	Flywheel Key
508-1890	Intake Manifold Gasket
3835-1895	Intake Cover Plate—Lower
3835-1896	Intake Cover Plate Gasket
3835-1897	Exhaust Cover Plate
3835-1898	Exhaust and Water Cover Plate Gasket
3855-1902	Bracket—R.H. Assy
3855-1903	Bracket—L.H. Assy.
3835-1904	Spacer
3855-1917	Water Cover Plate

Part Number	Description
3835-1937	Intake Cover Plate—Upper
509-3645	Washer
3335-3659	Spacer
503-4602	Synchronous Control Follower Assy.
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
497-4635	Synchronous Control Spring
508-4643	Link—Throttle Actuator
462-5801	
462-5804	Screw
462-5815	Screw—Exhaust Cover Plate
462-5820	Screw
462-5823	Screw—Intake Manifold—Short
483-5836	Screw
461-5854	Screw
497-5902	Adjusting Screw—Synch. Control Follower
509-5927	Screw—Intake Manifold—Long
*3755-5960	Screw—Valve Reed Clamp
462-6701	Nut
465-6713	Nut—Synchronous Control Follower
3755-7218	Washer
3745-7219	Lockwasher
461-7220	Lockwasher
497-7230	Lockwasher—Synch. Control Follower
462-8200	Carburetor Stud
509-8605	Welch Plug
	*Part of 3825-1868 Assembly

CRANKCASE — 3955

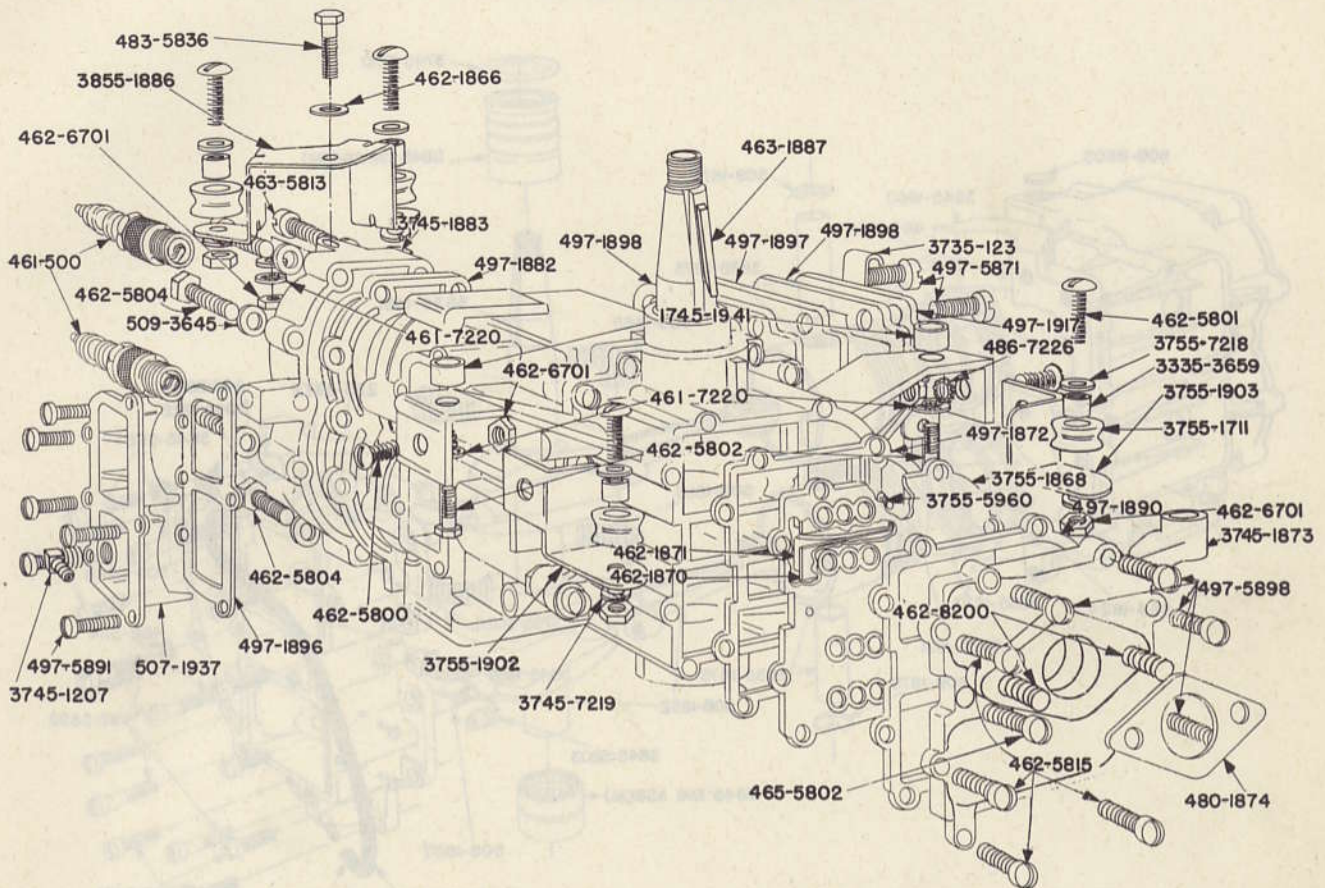


Part Number	Description
1325-1204	Fitting — Pump Pressure Line
3845-1217	Ferrule
3845-1222	Fitting
464-1624	Pin
3945-1851	Crankshaft
3925-1852	Connecting Rod Assembly (Includes 509-1855, 509-5916)
*509-1855	Crank Pin Roller Set (56)
3955-1860	Crankcase Assembly
472-1865	Taper Pin
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
519-1891	Pin
3935-1906	Race
3945-1907	Magneto Mount Plate
509-1908	Needle Bearing — Magneto Mount
3945-1911	Magneto Mount Assy. (Includes 3945-1907, 509-1908, 509-1933)
3935-1913	Retainer — Lower Crankshaft Bearing
509-1914	Needle Bearing
3935-1916	Lower Crankshaft Bear. Assy. (Includes 3935-1913, 509-1914, 509-1933)
3935-1925	Center Crankshaft Roller Bear. Set (23)

Part Number	Description
509-1930	"O" Ring Magneto Mount
3935-1932	Center Bearing Assembly (3935-1906 and 3935-1925)
509-1933	Oil Seal
3845-1943	Lubrication Line
3845-5203	Check Valve
463-5813	Screw — Lower Main Bearing
464-5838	Screw — Crankcase Flange
493-5868	Screw — Mag. Mount Bearing Cage
4913-5884	Screw — Crankcase to Block
509-5916	Screw — Connecting Rod Cap
509-5923	Screw — Crankcase Center Front
509-5924	Screw — Top Crankcase
3945-5924	Screw — Crankcase Flange
462-6702	Nut — Lower Crankcase Stud
462-7202	Lockwasher — Crankcase to Block
462-7203	Lockwasher
463-7212	Lockwasher
509-8217	Stud Lower Crankcase

*Sold in Sets Only, to Maintain Uniformity

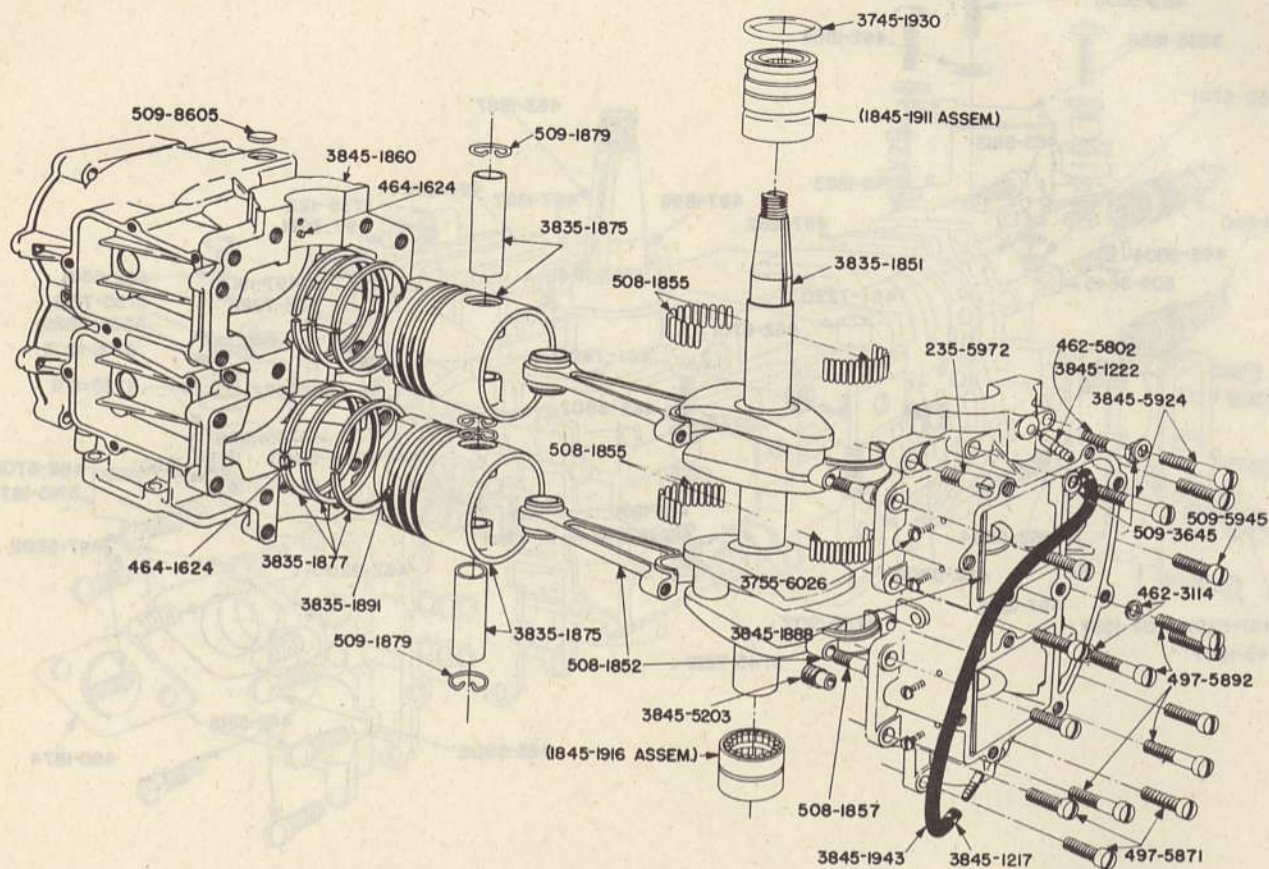
POWERHEAD — 3755



Part Number	Description
3735-123	Lead Wire Clamp
461-500	Spark Plug
3745-1207	Fitting
3755-1711	Grommet
462-1866	Washer
3755-1868	Reed Valve Plate Assembly
462-1870	Reed Only
462-1871	Reed Stop
497-1872	Valve Reed Plate Gasket
3745-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
3745-1883	Detachable Cylinder Head
3855-1886	Bracket—Rear
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust and Water Cover Plate Gasket
3755-1902	Bracket—Right Front
3755-1903	Bracket—Left Front

Part Number	Description
497-1917	Water Cover Plate
507-1937	Intake Cover Plate
1745-1941	Spacer
509-3645	Washer
3335-3659	Spacer
462-5802	Screw
465-5802	Screw
462-5804	Screw—Cylinder Head
462-5800	Screw
462-5801	Screw
463-5813	Screw—Cylinder Head
462-5815	Screw—Intake Manifold—Short
483-5836	Screw
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
3755-5960	Screw—Reed Valve
462-6701	Nut
3755-7218	Washer
3745-7219	Lockwasher
461-7220	L.W.
486-7226	L.W.
462-8200	Carburetor Flange Stud

CRANKCASE — 3855



Part Number	Description
3845-1217	Clamp
3845-1222	Fitting
464-1624	Groove Pin
3835-1851	Crankshaft
508-1852	Connecting Rod Assembly (Inc. 508-1855, 508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 per set)
508-1857	Connecting Rod Screw
3845-1860	Crankcase Assembly
3835-1875	Piston Assembly
3835-1877	Piston Ring
509-1879	Piston Pin Lock
3845-1888	Baffle
3835-1891	Pin—Piston Ring
497-1910	Oil Seal (Part of 1845-1911)

Part Number	Description
1845-1911	Magneto Bearing Assembly
1845-1916	Lower Crankcase Bearing Assembly
3745-1930	"O" Ring
3845-1943	Lub. Line
462-3114	Washer
509-3645	Washer
3845-5203	Check Valve
462-5802	Screw—Flange
497-5871	Screw—Flange and Bracket
497-5892	Screw—Lower and Center Mains
3845-5924	Screw—Top Main
509-5945	Screw
235-5972	Dowel Screw
3755-6026	Screw
509-8605	Welch Plug

CRANKCASE — 3655

Part Number	Description
3845-1217	Clamp—Lubr. Line
3845-1222	Fitting—Lubr. Line
3655-1622	Fitting
497-1809	Seal—Drain Plug
3645-1851	Crankshaft
*1655-1852	Con-Rod Assy. (Includes 2655-1855, 1655-1855 and 2645-5970)
1655-1855	Bearing—Crank Pin
*3655-1854	Bearing
2655-1855	Crank Pin Roller Set (34)
3655-1860	Crankcase Assembly
*3655-1875	Piston Assembly
*3655-1876	Piston Only
3645-1877	Piston Ring
*3655-1878	Pin Only
*3655-1879	Piston Pin Lock
3645-1885	Seal—Case to Block
*3655-1891	Piston Ring Pin
3645-1906	Race—Center Brg.
3645-1908	Bearing Assembly—Upper

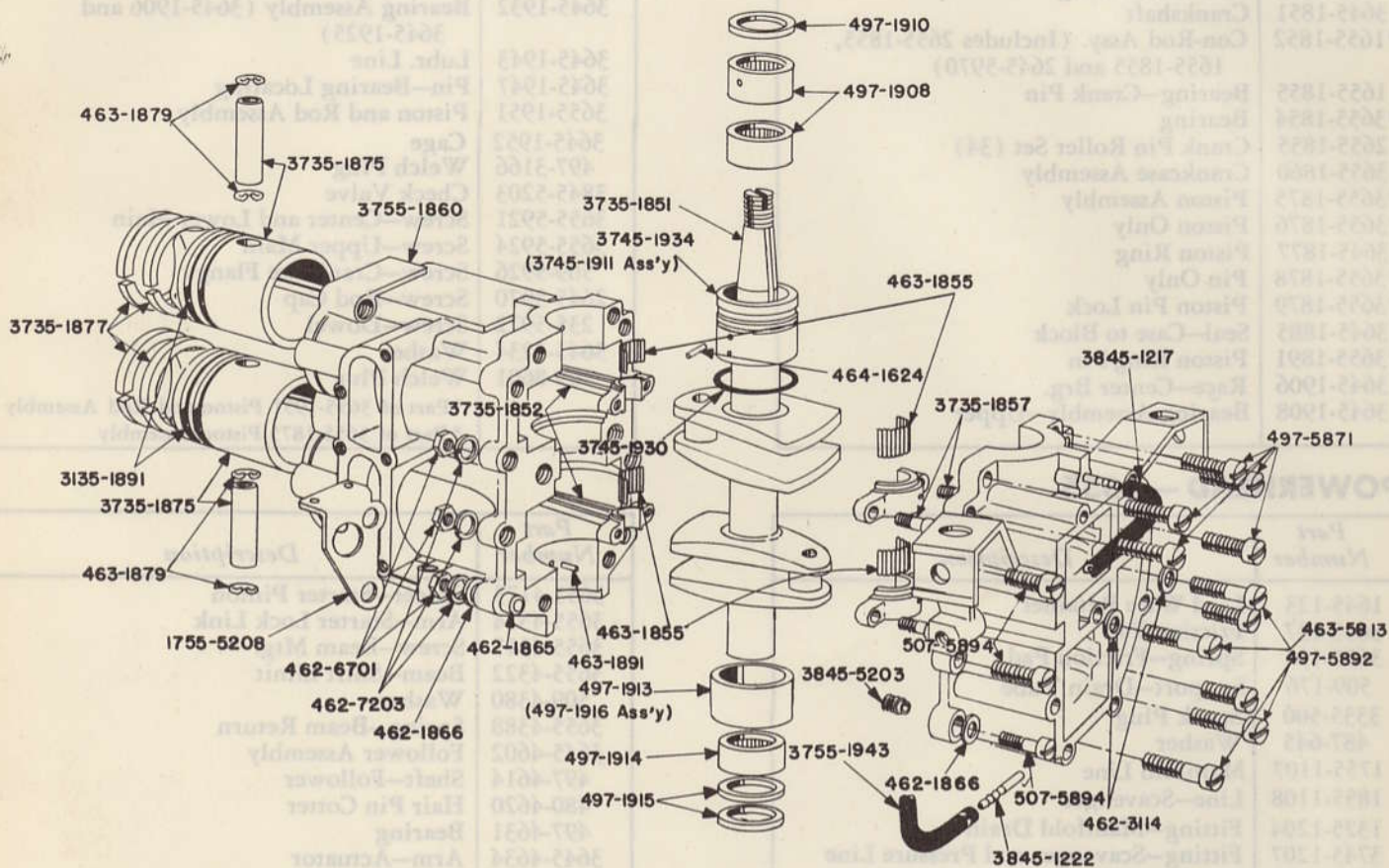
Part Number	Description
3645-1910	Oil Seal—Upper
3645-1914	Bearing Assembly—Lower
3645-1915	Oil Seal—Lower
3645-1925	Center Brg. Roller Set (16)
3645-1932	Bearing Assembly (3645-1906 and 3645-1925)
3645-1943	Lubr. Line
3645-1947	Pin—Bearing Locating
3655-1951	Piston and Rod Assembly
3645-1952	Cage
497-3166	Welch Plug
3845-5203	Check Valve
3655-5921	Screw—Center and Lower Main
3655-5924	Screw—Upper Main
509-5926	Screw—Crankcase Flange
2645-5970	Screw—Rod Cap
235-5972	Screw—Dowel
3645-7234	Washer
509-8601	Welch Plug
	*Part of 3655-1951 Piston and Rod Assembly
	*Part of 3655-1875 Piston Assembly

POWERHEAD — 3655

Part Number	Description
1645-123	Lead Wire Retainer
3655-137	Friction Pad
3655-138	Spring—Friction Pad
509-176	Support—Drain Tube
3335-500	Spark Plug
487-645	Washer
1755-1107	Manifold Line
1855-1108	Line—Scavenger
1325-1204	Fitting—Manifold Drain
3745-1207	Fitting—Scavenger and Pressure Line
3645-1709	Bracket—Skirt R.
3645-1711	Bumper
3645-1868	Reed Plate Assembly
*3645-1869	Plate Only
*3645-1870	Reed Valve
*3645-1871	Clamp Plate—R.
3655-1872	Gasket—Baffle Plate
3645-1873	Intake Manifold
3645-1882	Gasket—Cylinder Head
3645-1883	Cylinder Head
3645-1886	Bracket—Rear
3655-1887	Key—Flywheel
3645-1890	Gasket—Intake Man. and Reed Plate
3655-1892	Plate—Baffle
3655-1895	Cover Plate—Intake
3645-1896	Gasket—Intake Cover Plate
3645-1897	Cover Plate—Exhaust
3645-1898	Gasket—Exhaust Cover Plate
3645-1902	Bracket—Skirt R.
3645-1903	Bracket—Skirt L.
3645-1917	Water Plate—Exhaust
3655-1935	Guide—Lead Wire
3645-1945	Gasket—Cylinder Head Water
3645-1946	Cover Plate—Cylinder Head Water
*3645-1961	Clamp Plate—Left
3655-3645	Washer
3655-3677	Bracket—Spring R.
3645-3681	Bracket—Spring L.
3655-4169	Starter Pinion Assembly

Part Number	Description
3655-4173	Spacer—Starter Pinion
3655-4314	Arm—Starter Lock Link
3655-4317	Screw—Beam Mtg.
3655-4322	Beam—Shift Limit
509-4380	Washer
3655-4388	Spring—Beam Return
3645-4602	Follower Assembly
497-4614	Shaft—Follower
480-4620	Hair Pin Cotter
497-4631	Bearing
3645-4634	Arm—Actuator
497-4635	Spring—Sync. Control
3645-4643	Link—Throttle Act.
3845-5203	Check Valve
2655-5208	Bracket—Fuel Pump
3655-5208	Bracket—Scavenger Pump
*462-5814	Screw—Reed Valve
462-5815	Screw
465-5827	Screw
464-5839	Screw
3645-5878	Bolt—Cylinder Head
3645-5884	Screw—Brackets
497-5891	Screw
3655-5891	Screw
497-5893	Screw
497-5902	Screw—Follower Adj.
509-5951	Screw
3655-6027	Screw
507-6050	Screw
493-6719	Nut
3655-6735	Speed Nut
462-7202	Lockwasher
*3745-7208	Lockwasher
462-7209	Lockwasher
463-7214	Lockwasher
497-7230	Lockwasher
509-8200	Stud—Carb. Flange
3945-8602	Pipe Plug
3645-8614	Retaining Ring
3655-8616	Retaining Ring
	*Part of 3645-1868 Assembly

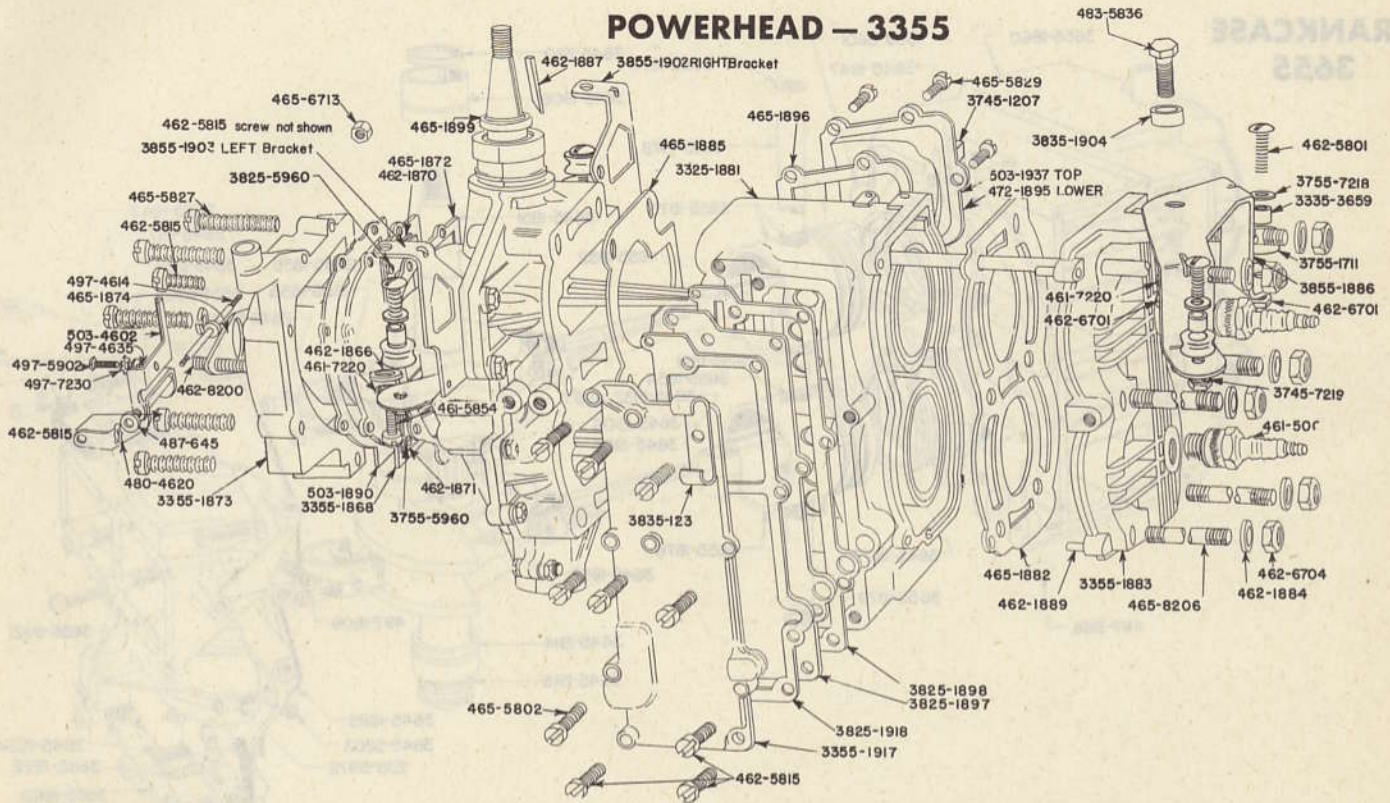
CRANKCASE - 3755



Part Number	Description
3845-1217	Clamp
3845-1222	Fitting - Lubrication Line
464-1624	Groove Pin - Bearing Retainer
3735-1851	Crankshaft
3735-1852	Connecting Rod Assembly
463-1855	Connecting Rod Crank Pin Roller (Set)
3735-1857	Connecting Rod Screw
3755-1860	Crankcase and Block Assembly
462-1865	Hollow - Dowel
462-1866	Washer - Dowel Screw
3735-1875	Piston Assembly
3735-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Pin - Lower Bearing
3135-1891	Piston Ring Pin
497-1908	Needle Bearing - Magneto Mount
497-1910	Oil Seal - Magneto Mount

Part Number	Description
3745-1911	Magneto Mount Assembly (includes 3745-1934, 497-1908, 497-1910)
497-1913	Retainer - Lower Crankshaft Bearing
497-1914	Needle Bearing
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
3745-1930	Seal
3745-1934	Bearing Cage
3755-1943	Lubrication Line
462-3114	Washer
3845-5203	Check Valve
1755-5208	Pump Bracket
463-5813	Screw - Center Main
497-5871	Screw - Crankcase Flange
497-5892	Screw - Lower Main
507-5894	Screw
462-6701	Nut
462-7203	L.W.

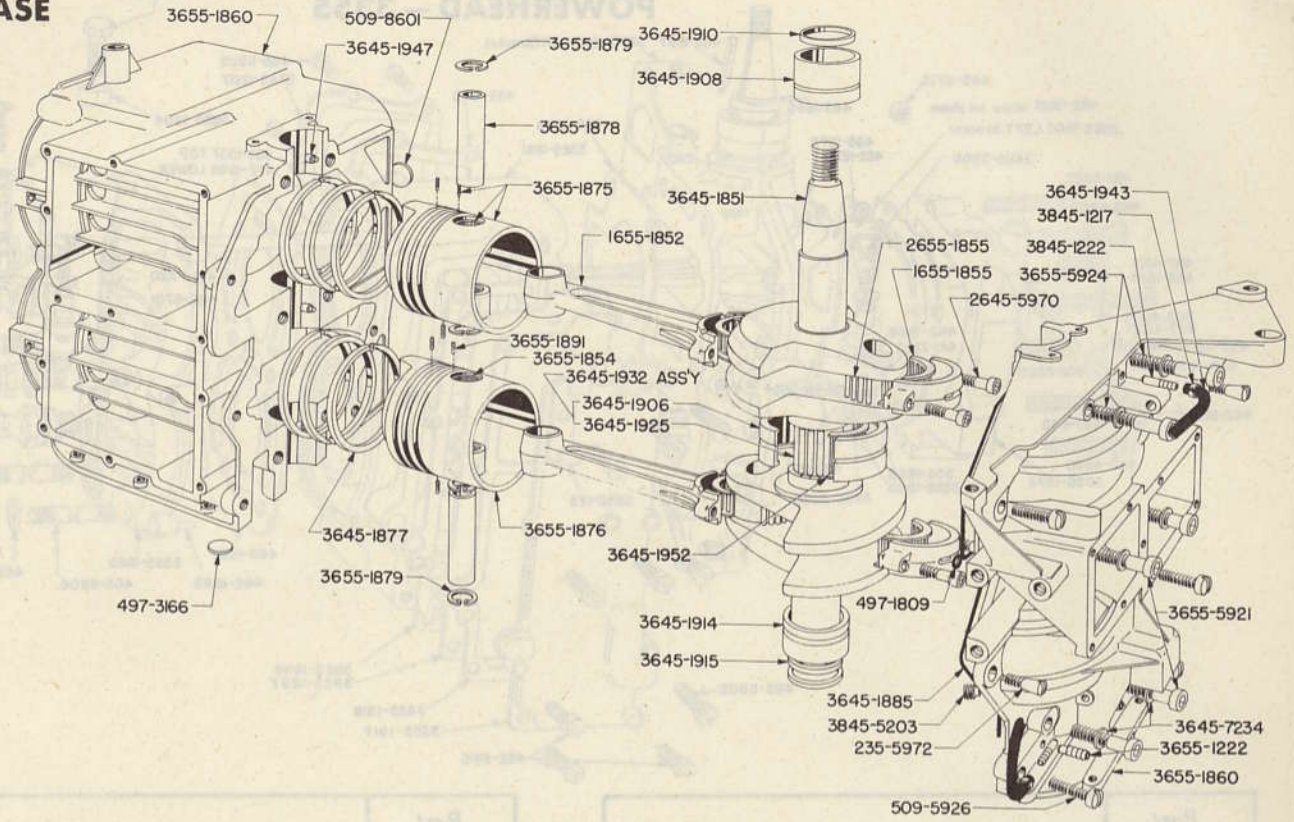
POWERHEAD — 3355



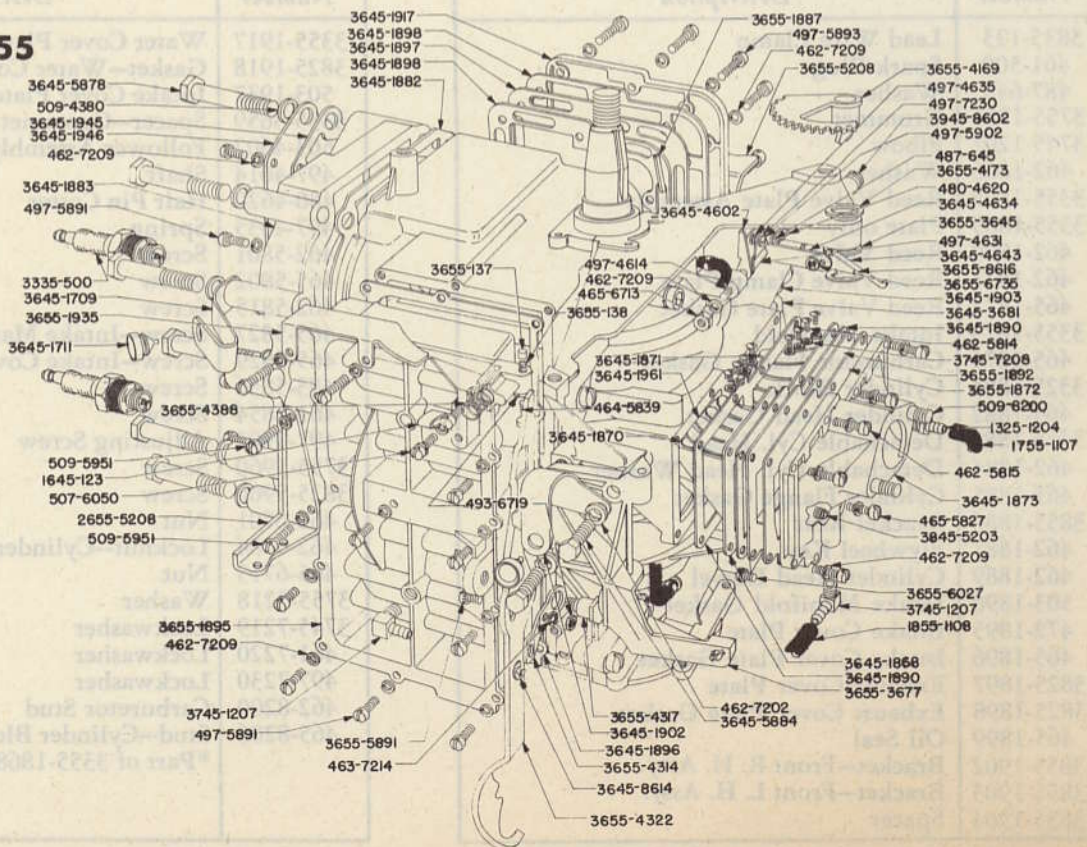
Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer
3755-1711	Grommet
3745-1207	Elbow
462-1866	Washer
3355-1868	Reed Valve Plate Assembly
*3355-1869	Plate only
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
3355-1873	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
3355-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
3855-1886	Bracket Rear
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
3855-1902	Bracket—Front R. H. Assy.
3855-1903	Bracket—Front L. H. Assy.
3835-1904	Spacer

Part Number	Description
3355-1917	Water Cover Plate
3825-1918	Gasket—Water Cover Plate
503-1937	Intake Cover Plate (Tapped)
3335-3659	Spacer—Grommet
503-4602	Follower Assembly
497-4614	Shaft
480-4620	Hair Pin Cotter
497-4635	Spring
462-5801	Screw
465-5802	Screw
462-5815	Screw
465-5827	Screw—Intake Manifold
465-5829	Screw—Intake Cover Plate
483-5836	Screw
461-5854	Screw
497-5902	Adjusting Screw
3755-5960	Screw
3825-5960	Screw
462-6701	Nut
462-6704	Locknut—Cylinder Head
465-6713	Nut
3755-7218	Washer
3745-7219	Lockwasher
461-7220	Lockwasher
497-7230	Lockwasher
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
*Part of 3355-1868 Assembly	

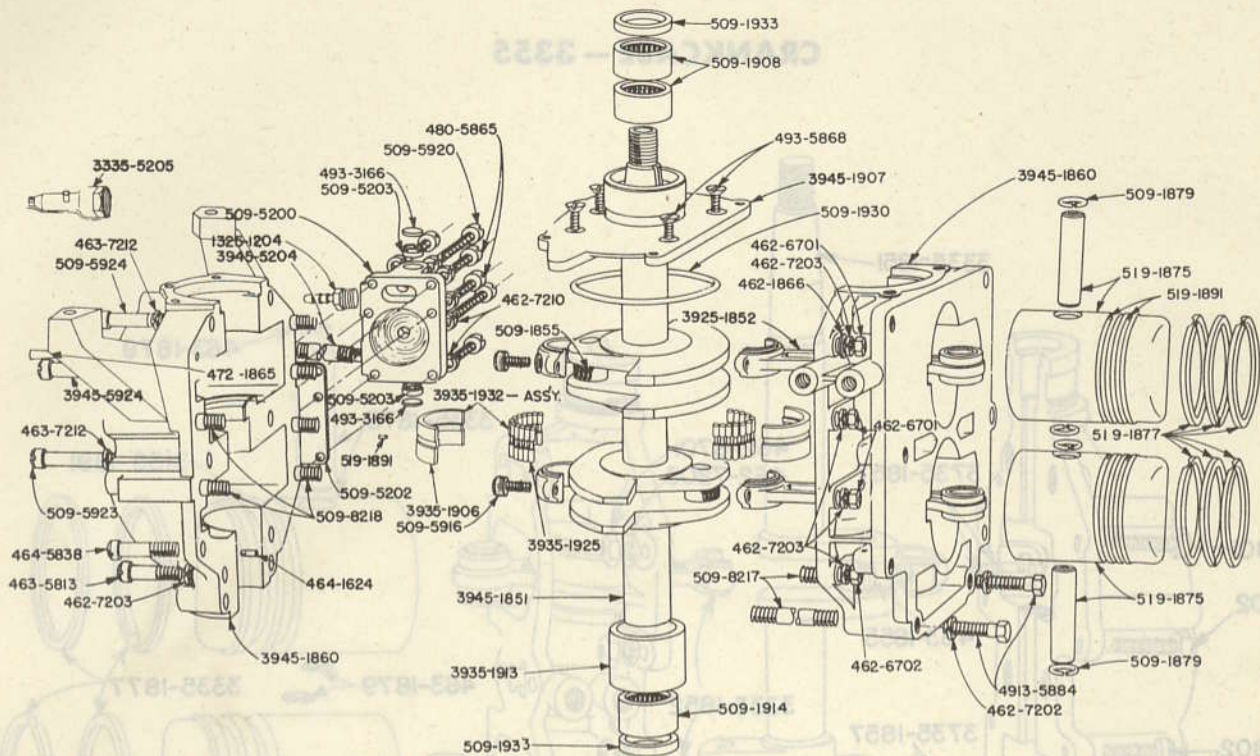
CRANKCASE 3655



POWERHEAD - 3655



CRANKCASE — 3945



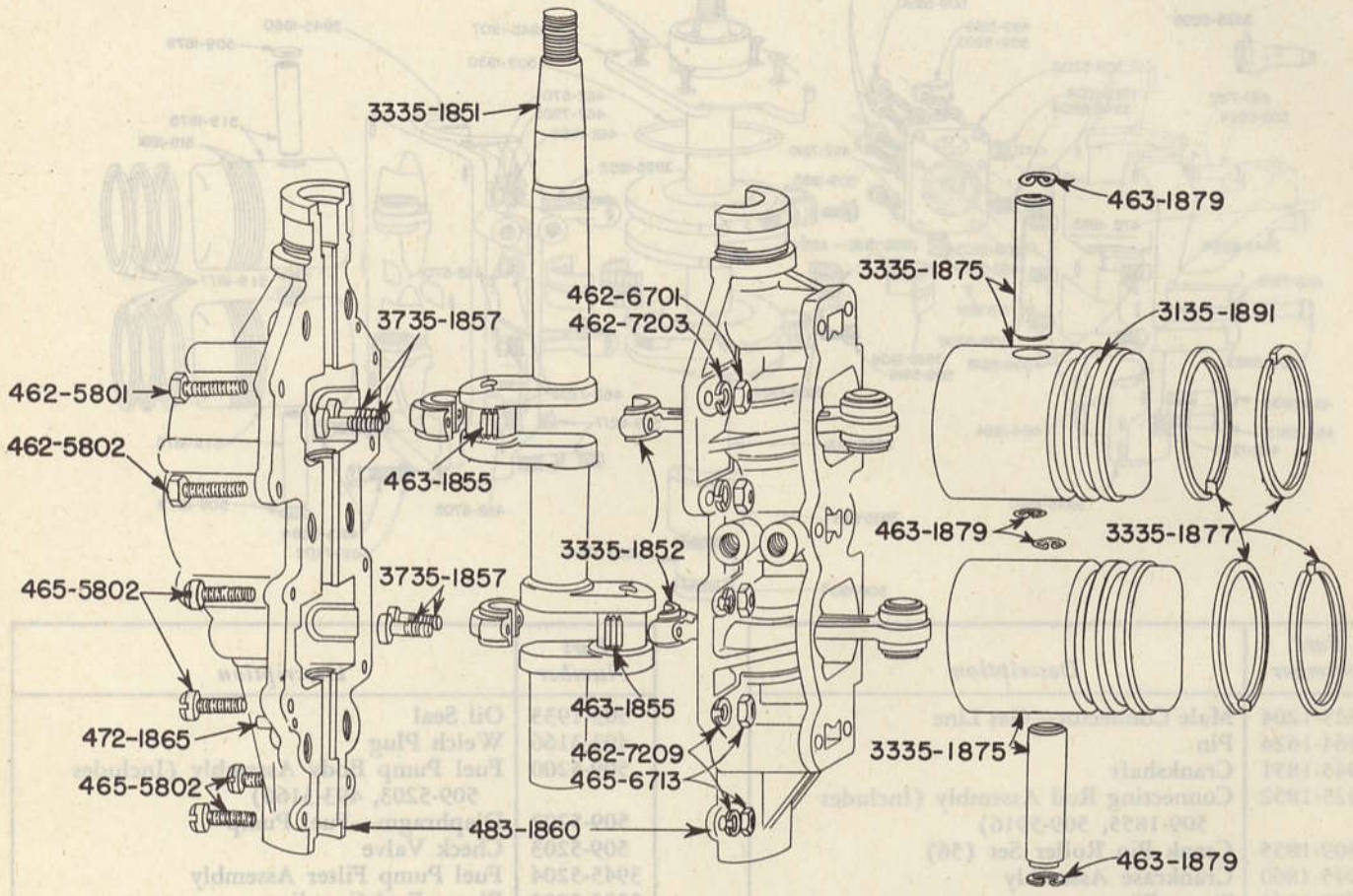
Part Number	Description
1325-1204	Male Connector—Gas Line
464-1624	Pin
3945-1851	Crankshaft
3925-1852	Connecting Rod Assembly (Includes 509-1855, 509-5916)
*509-1855	Crank Pin Roller Set (56)
3945-1860	Crankcase Assembly
472-1865	Taper Pin
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
519-1891	Pin
3935-1906	Race
3945-1907	Magneto Mount Plate
509-1908	Needle Bearing—Magneto Mount
3945-1911	Magneto Mount Assy. (Includes 3945-1907, 509-1908, 509-1933)
3935-1913	Retainer—Lower Crankshaft Bearing
509-1914	Needle Bearing
3935-1916	Lower Crankshaft Bear. Assy. (Includes 3935-1913, 509-1914, 509-1933)
3935-1925	Center Crankshaft Roller Bear. Set (23)
509-1930	"O" Ring Magneto Mount
3935-1932	Center Bearing Assembly (3935-1906 and 3935-1925)

Part Number	Description
509-1933	Oil Seal
493-3166	Welch Plug
509-5200	Fuel Pump Body Assembly (Includes 509-5203, 493-3166)
509-5202	Diaphragm—Fuel Pump
509-5203	Check Valve
3945-5204	Fuel Pump Filter Assembly
3335-5205	Plug—Fuel Coupling
463-5813	Screw—Lower Main Bearing
464-5838	Screw—Crankcase Flange
480-5865	Screw—Fuel Pump—Short
493-5868	Screw—Mag. Mount Bearing Cage
4913-5884	Screw—Crankcase to Block
509-5916	Screw—Connecting Rod Cap
509-5920	Screw—Fuel Pump—Long
509-5923	Screw—Crankcase Center Front
509-5924	Screw—Top Crankcase
3945-5924	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw and Stud
462-6702	Nut—Lower Crankcase Stud
462-7202	Lockwasher—Crankcase to Block
462-7203	Lockwasher
462-7210	Lockwasher—Fuel Pump Screw
463-7212	Lockwasher
509-8217	Stud—Lower Crankcase
509-8218	Stud—Crankcase Front

*Sold in Sets Only, to Maintain Uniformity

(POWERHEAD — 3055 P-53)
 (CRANKCASE — 3055 P-54)

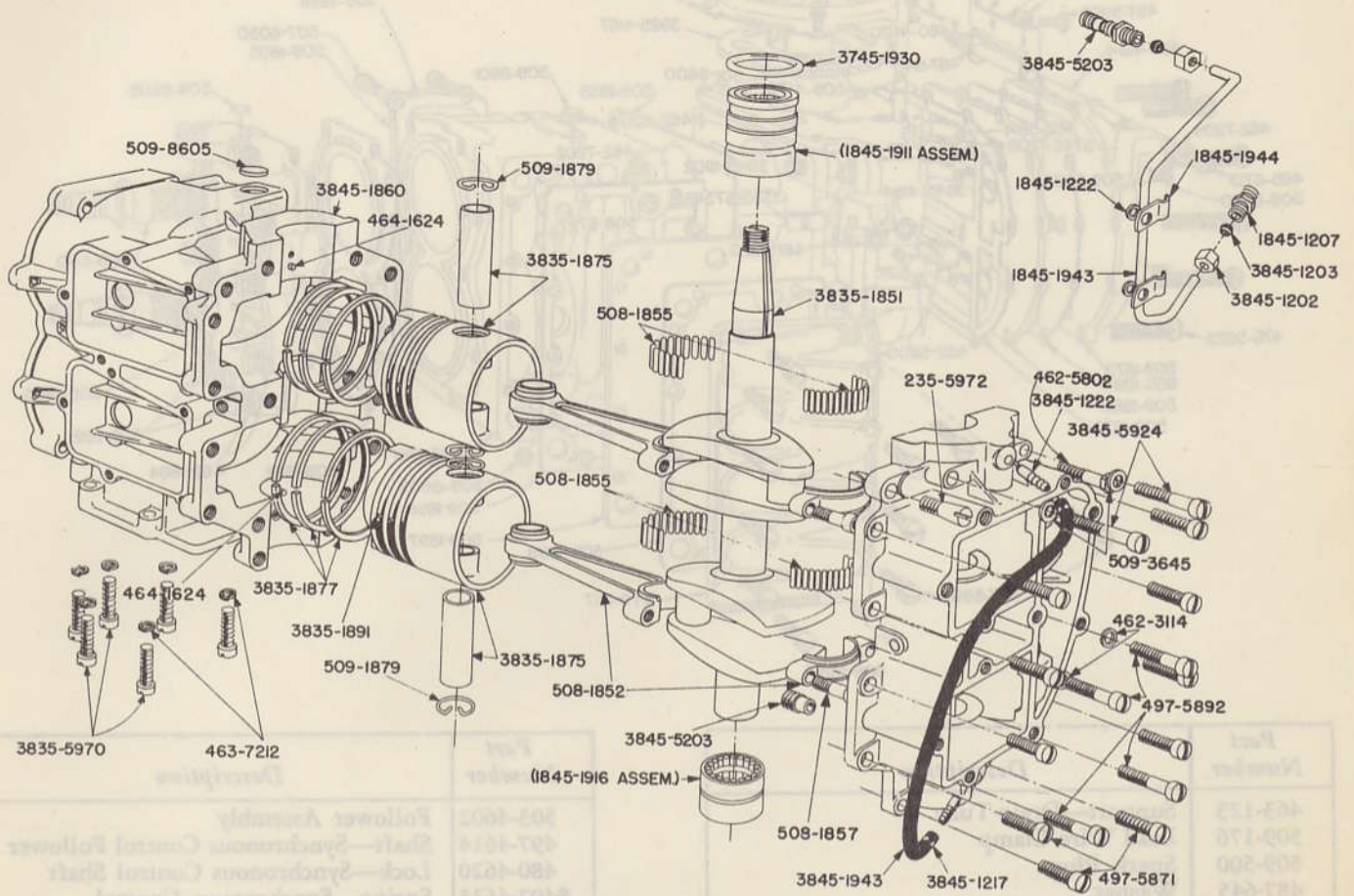
CRANKCASE — 3355



Part Number	Description
3335-1851	Crankshaft
3335-1852	Connecting Rod Assembly (Includes 463-1855 and 3735-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel *Sold in sets only, to maintain uniformity

Part Number	Description
3335-1875	Piston and Pin
3335-1877	Piston Ring
463-1879	Piston Pin Lock
3135-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
462-5802	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange Screw Nut
462-7209	Lock Washer—Crankcase Flange Screw Nut

CRANKCASE - 3845



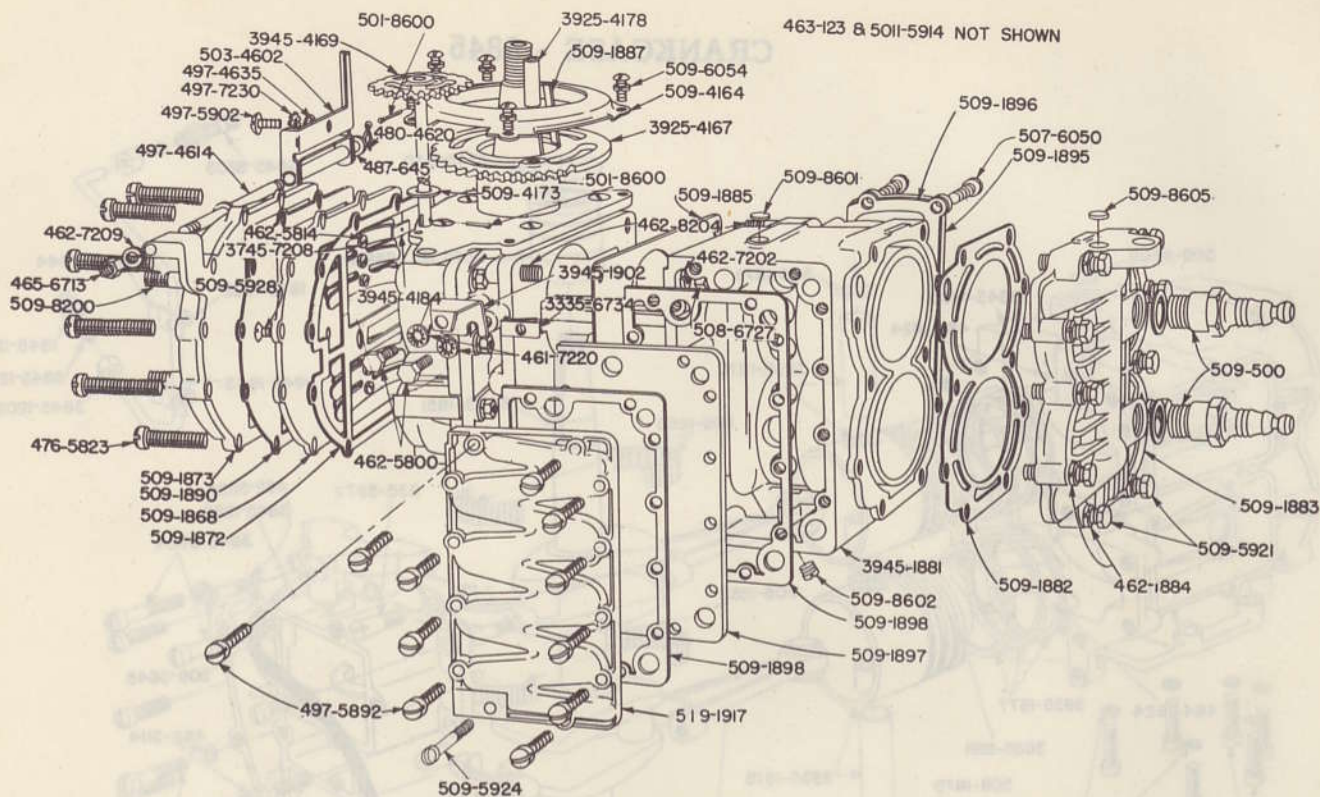
Part Number	Description
*3845-1202	Nut
*3845-1203	Sleeve
*1845-1207	Special Fitting
3845-1217	Clamp
*1845-1222	Washer
3845-1222	Fitting
464-1624	Groove Pin
3835-1851	Crankshaft
508-1852	Connecting Rod Assembly (Inc. 508-1855,508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 per set)
508-1857	Connecting Rod Screw
3845-1860	Crankcase Assembly
3835-1875	Piston Assembly
3835-1877	Piston Ring
509-1879	Piston Pin Lock
3835-1891	Pin—Piston Ring Pin

Part Number	Description
1845-1911	Magneto Bearing Assembly
1845-1916	Lower Crankcase Bearing Assembly
3745-1930	"O" Ring
*1845-1943	Lub. Line
3845-1943	Lub. Line
*1845-1944	Bracket
462-3114	Washer
509-3645	Washer
3845-5203	Check Valve
462-5802	Screw
497-5871	Screw
497-5892	Screw
3845-5924	Screw
3835-5970	Screw
235-5972	Dowel Screw
463-7212	Lockwasher
509-8605	Welch Plug

*These parts used on all 10 H.P. motors prior to those using the rubber lubrication line.

POWERHEAD - 3945

463-123 & 501-5914 NOT SHOWN

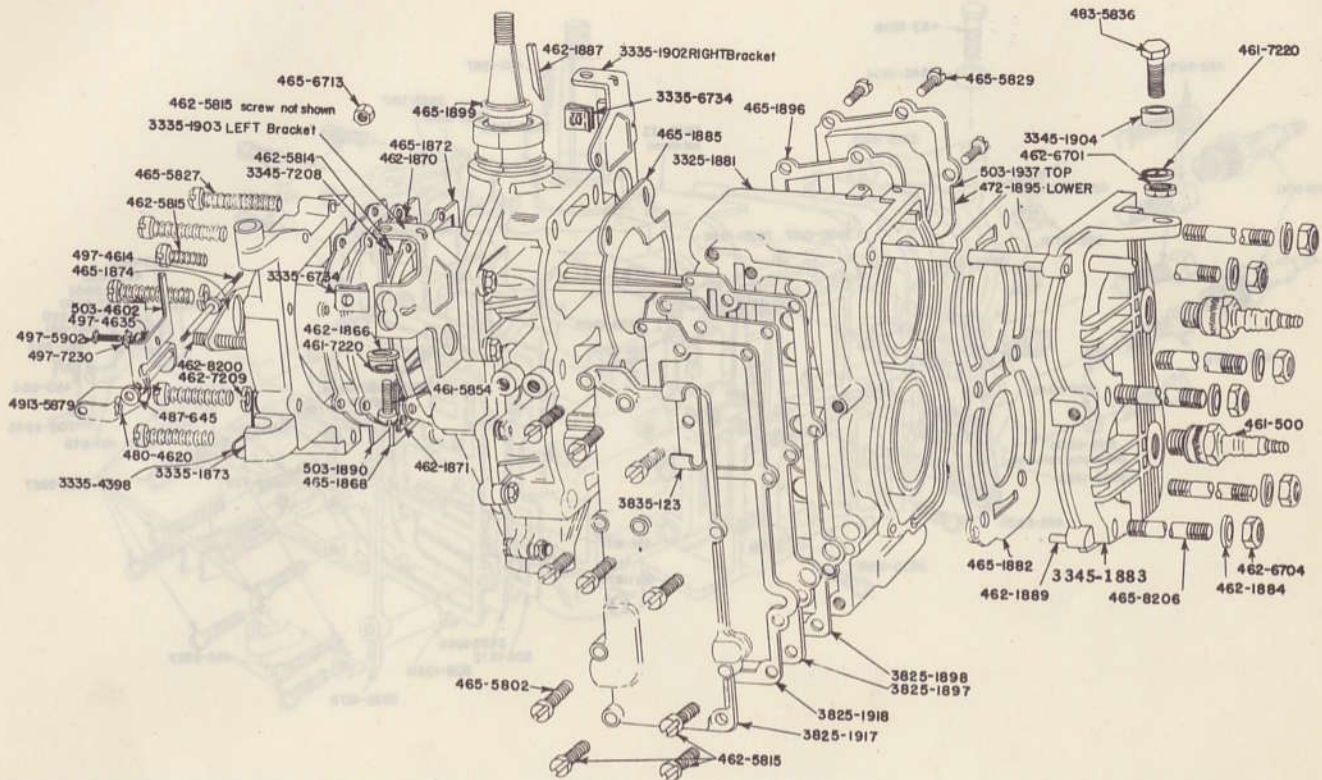


Part Number	Description
463-123	Support—Drain-Tube
509-176	Lead Wire Clamp
509-500	Spark Plug
487-645	Washer
509-1868	Reed Valve Plate Assembly
509-1870	Reeds Only
509-1871	Reed Valve Clamp
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
3945-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
462-1884	Washer—Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust and Water Cover Plate Gasket
3945-1902	Skirt Bracket
509-1917	Water Cover Plate
509-4164	Mounting Ring—Stator Plate
3925-4167	Gear—Stator Plate
3945-4169	Magneto Pinion Pulley
509-4173	Washer
3925-4178	Spacer—Stator Plate Gear Screw
3945-4184	Key

Part Number	Description
503-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
462-5800	Screw—Bracket
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
5011-5914	Screw—Drain Tube Support
509-5921	Screw—Cylinder Head
509-5924	Screw
509-5928	Screw—Reed Valve Plate
507-6050	Screw—Intake Cover Plate
509-6054	Screw—Mounting Ring
465-6713	Nut—Synchronous Control Shaft
508-6727	Nut—Cylinder Block Studs
3335-6734	Speed Nut
462-7202	Lockwasher—5/16" Common
3745-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
461-7220	Lockwasher—Bracket Screw
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
501-8600	Cotter Pin
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
	†Included in 509-1895 Assembly
	*Included in 503-4602 Assembly

(CRANKCASE - 3345 - P-48)

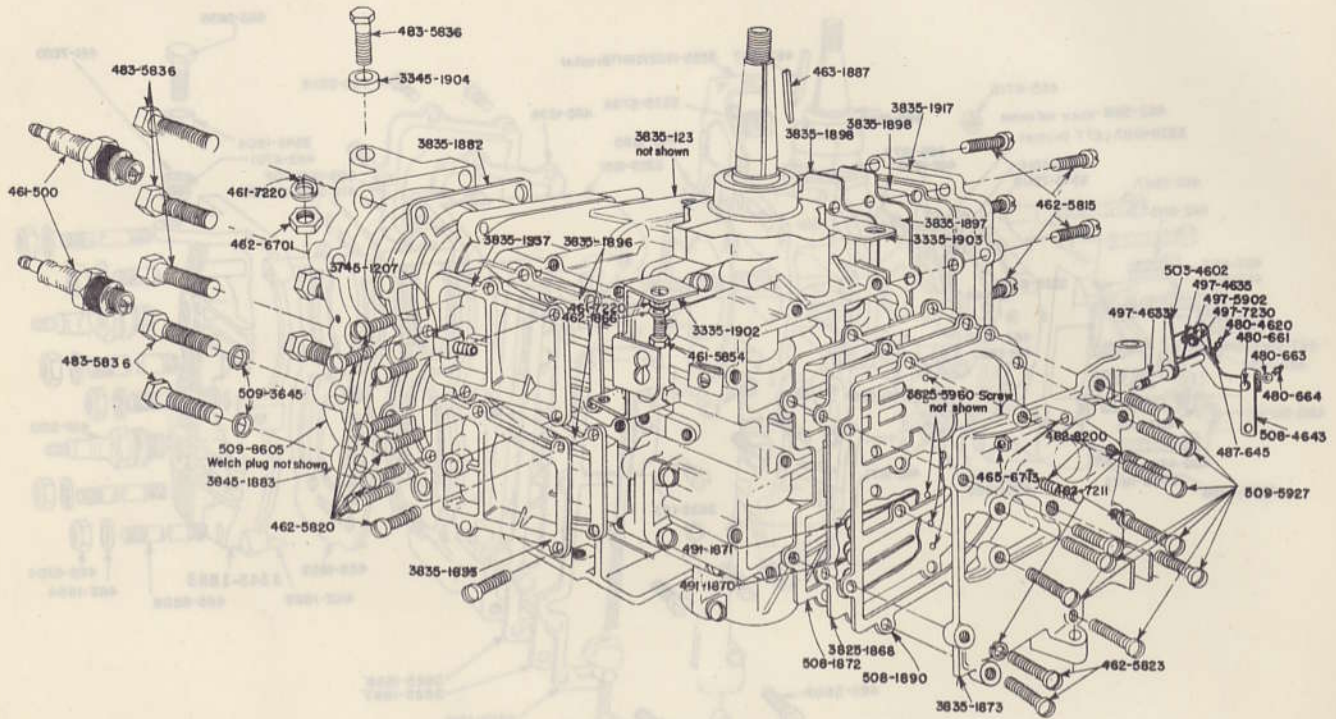
POWERHEAD - 3345



Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer
462-1866	Washer
465-1868	Reed Valve Plate Assembly
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
3335-1873	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
3345-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
3335-1902	Bracket—Front R.H.
3335-1903	Bracket—Front L.H.
3345-1904	Spacer

Part Number	Description
3825-1917	Water Cover Plate
3825-1918	Gasket—Water Cover Plate
503-1937	Intake Cover Plate (Tapped)
503-4602	Follower Assembly
497-4614	Shaft
480-4620	Hair Pin Cotter
497-4635	Spring
462-5802	Screw
465-5802	Screw
462-5814	Screw—Reed Valve Clamp
462-5815	Screw
465-5827	Screw—Intake Manifold
465-5829	Screw—Intake Cover Plate
483-5836	Screw
461-5854	Screw
497-5902	Adjusting Screw
462-6701	Nut Starter Mounting Screw
462-6704	Locknut—Cylinder Head
465-6713	Nut
3335-6734	Speed Nut
462-7207	Lockwasher
3745-7208	Lockwasher—Reed Valve Clamp Screw
461-7220	Lockwasher
497-7230	Lockwasher
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block

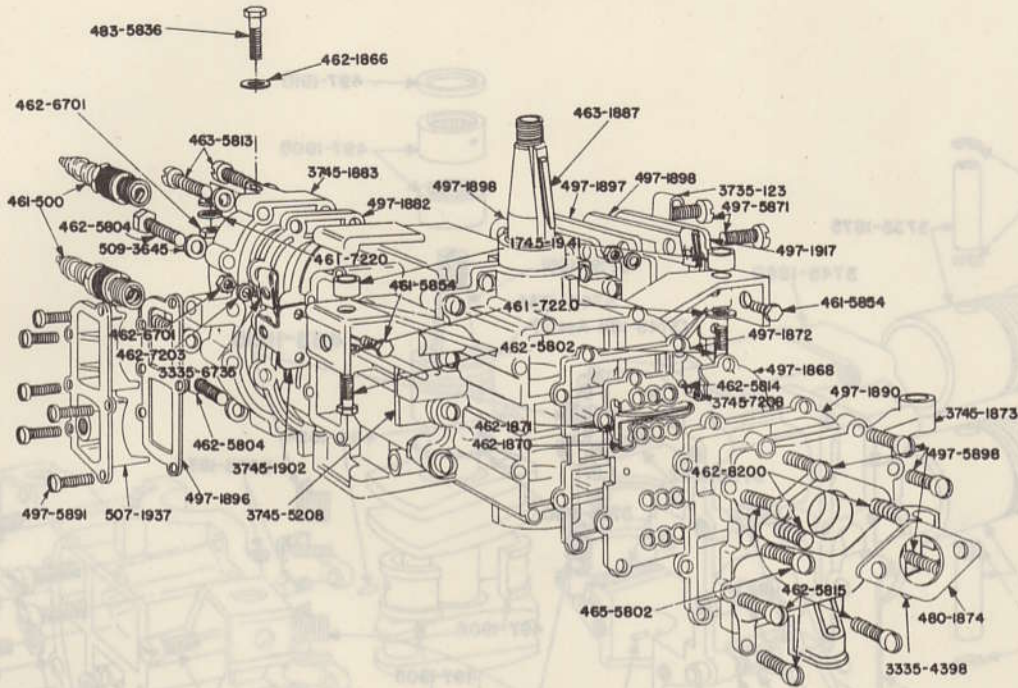
POWERHEAD - 3845



Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer—Synch. Control Shaft Lever
480-661	Pivot Pin
480-663	Washer—Throttle Lever Pivot Pin
480-664	Hairpin Cotter
3745-1207	Elbow
462-1866	Washer
3825-1868	Reed Valve Plate Assembly
491-1870	Valve Reed
491-1871	Valve Reed Stop
508-1872	Valve Reed Plate Gasket
3835-1873	Intake Manifold
3835-1882	Cylinder Head Gasket
3845-1883	Cylinder Head
463-1887	Flywheel Key
508-1890	Intake Manifold Gasket
3835-1895	Intake Cover Plate—Lower
3835-1896	Intake Cover Plate Gasket
3835-1897	Exhaust Cover Plate
3835-1898	Exhaust and Water Cover Plate Gasket
3335-1902	Bracket—R.H.
3335-1903	Bracket—L.H.
3345-1904	Spacer

Part Number	Description
3835-1917	Water Cover Plate
3835-1937	Intake Cover Plate—Upper
509-3645	Washer
503-4602	Synchronous Control Follower Ass'y
497-4633	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
497-4635	Synchronous Control Spring
508-4643	Link—Throttle Actuator
462-5815	Screw—Exhaust Cover Plate
462-5820	Screw
462-5823	Screw—Intake Manifold—Short
483-5836	Screw
461-5854	Screw
497-5902	Adjusting Screw—Synch. Control Follower
509-5927	Screw—Intake Manifold—Long
3825-5960	Screw—Valve Reed Clamp
462-6701	Nut
465-6713	Nut—Synchronous Control Follower
462-7211	Lockwasher
461-7220	Lockwasher
497-7230	Lockwasher—Synch. Control Follower
462-8200	Carburetor Stud
509-8605	Welch Plug

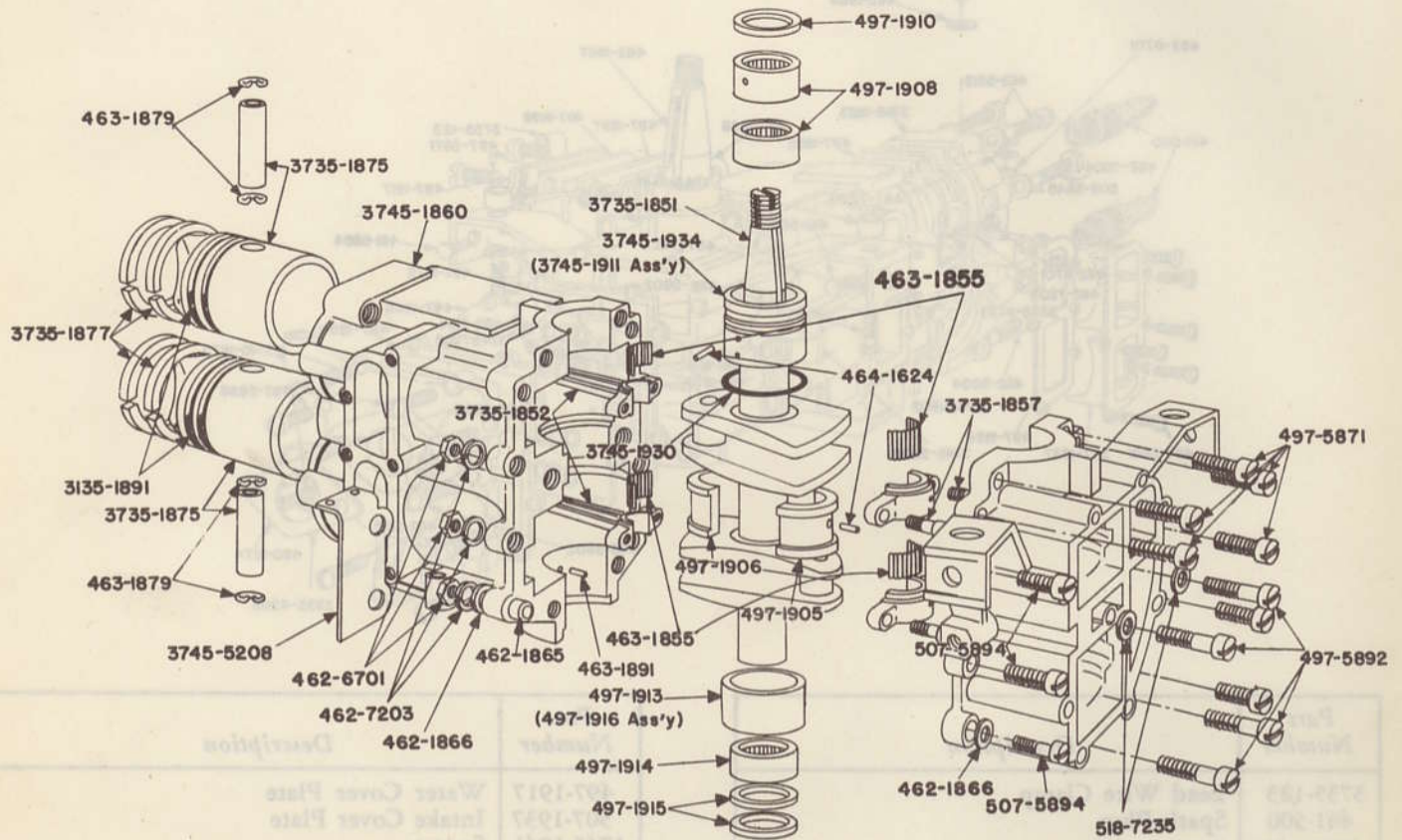
POWERHEAD - 3745



Part Number	Description
3735-123	Lead Wire Clamp
461-500	Spark Plug
4917-1660	Spacer
462-1866	Washer
497-1868	Reed Valve Plate Assembly
462-1870	Reed Only
462-1871	Reed Stop
497-1872	Valve Reed Plate Gasket
3745-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
3745-1883	Detachable Cylinder Head
1745-1886	Bracket
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
507-1895	Intake Cover Plate
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust and Water Cover Plate Gasket
3745-1902	Bracket
3745-1904	Spacer

Part Number	Description
497-1917	Water Cover Plate
507-1937	Intake Cover Plate
1745-1941	Spacer
509-3645	Washer
3335-4398	Retainer
462-5802	Screw
465-5802	Screw
462-5804	Screw—Cylinder Head
463-5813	Screw—Cylinder Head
462-5814	Screw—Valve Reed Clamp
462-5815	Screw—Intake Manifold—Short
483-5836	Screw
461-5854	Screw
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
462-6701	Nut
3335-6735	Speed Nut
462-7203	Lockwasher
3745-7208	L.W.—Valve Reed Clamp Screw
461-7220	L.W.
462-8200	Carburetor Flange Stud

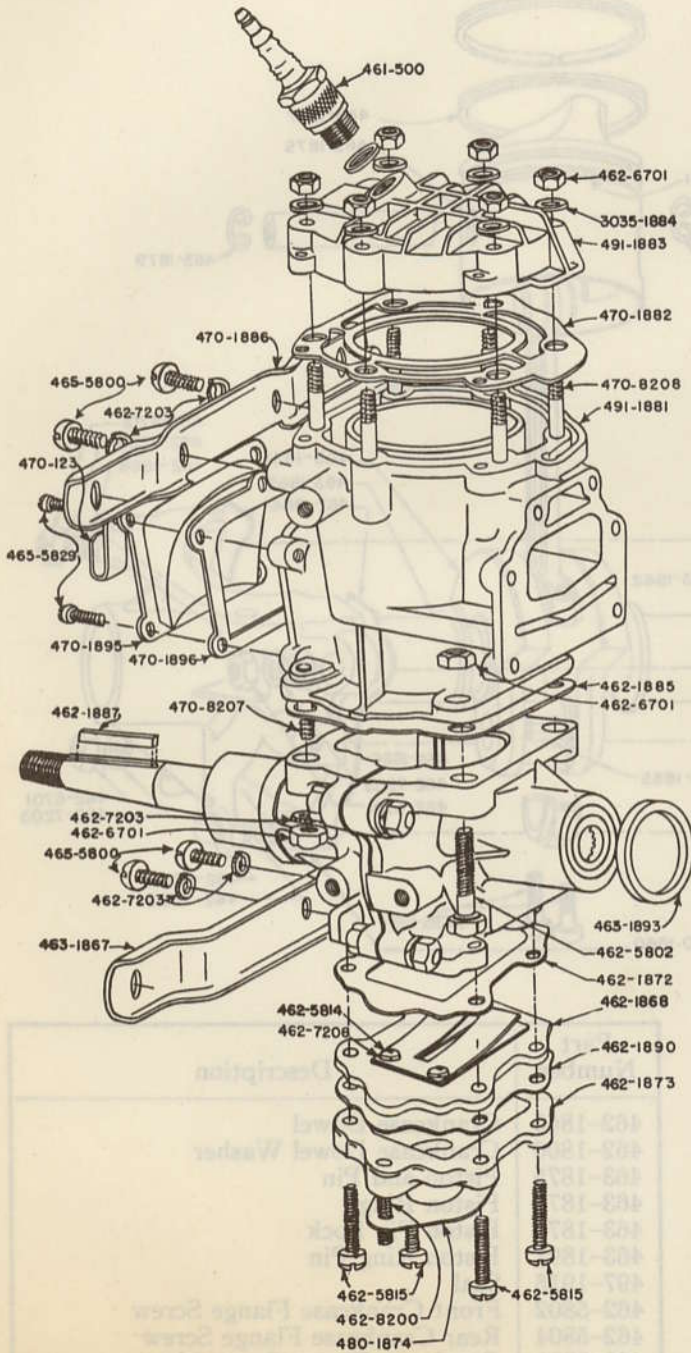
CRANKCASE - 3745



Part Number	Description
464-1624	Groove Pin—Bearing Retainer
3735-1851	Crankshaft
3735-1852	Connecting Rod Assembly
463-1855	Connecting Rod Crank Pin Roller (Set)
3735-1857	Connecting Rod Screw
3745-1860	Crankcase and Block Assembly
462-1865	Hollow—Dowel
462-1866	Washer—Dowel Screw
3735-1875	Piston Assembly
3735-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Pin—Lower Bearing
3135-1891	Piston Ring Pin
497-1905	Center Bearing—Front
497-1906	Center Bearing—Rear
497-1908	Needle Bearing—Magneto Mount
497-1910	Oil Seal—Magneto Mount

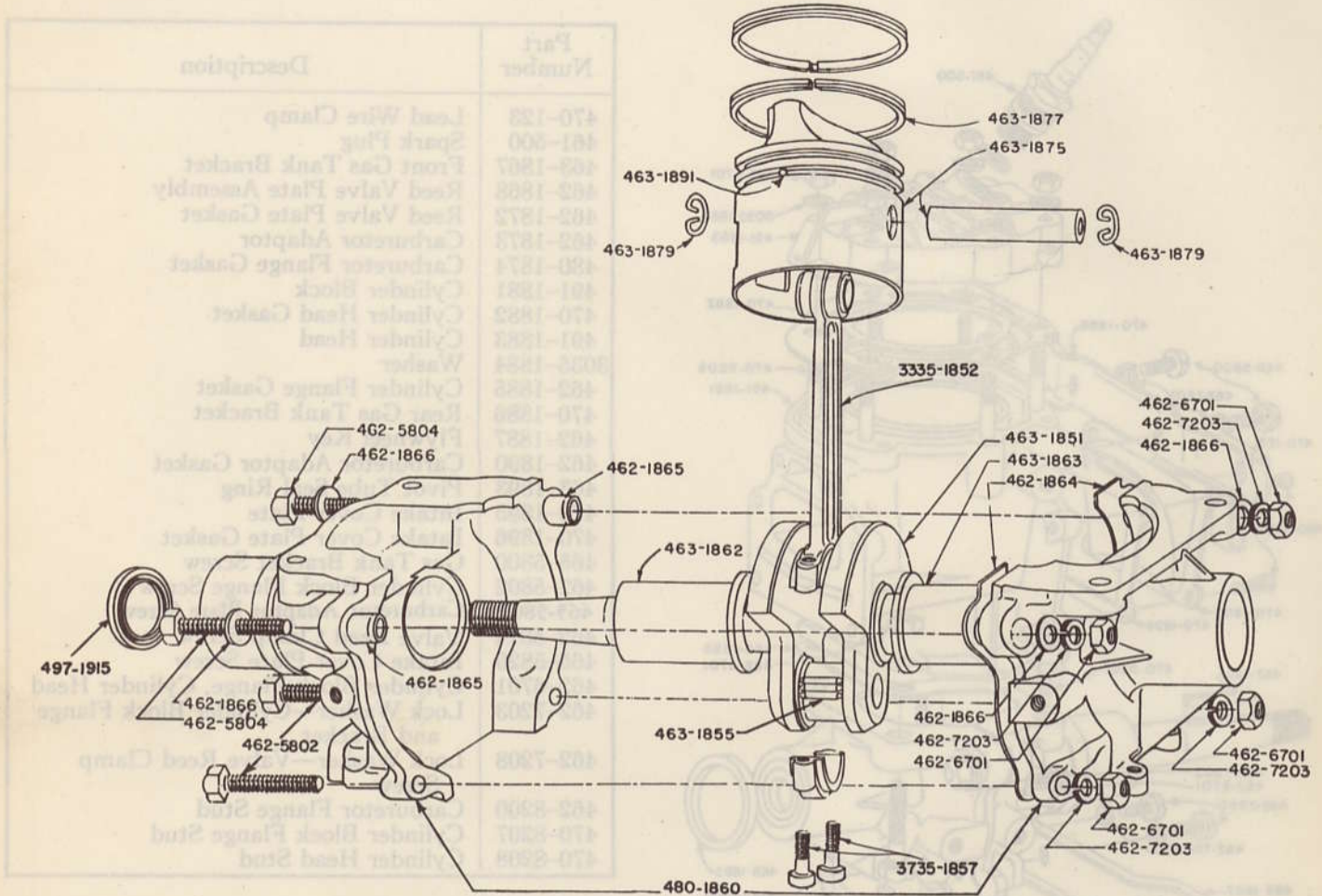
Part Number	Description
3745-1911	Magneto Mount Assembly (includes 3745-1934, 497-1908, 497-1910)
497-1913	Retainer—Lower Crankshaft Bearing
497-1914	Needle Bearing
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
3745-1930	Seal—Bearing Cage
3745-1934	Bearing Cage
3745-5208	Pump Bracket
497-5871	Screw—Crankcase Flange
497-5892	Screw—Center and Lower Main Bearing
507-5894	Screw
462-6701	Nut
462-7203	Lockwasher
518-7235	Washer

POWERHEAD - 3045



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-1867	Front Gas Tank Bracket
462-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
462-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
3035-1884	Washer
462-1885	Cylinder Flange Gasket
470-1886	Rear Gas Tank Bracket
462-1887	Flywheel Key
462-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
465-5802	Carburetor Adaptor Plate Screw
462-5814	Valve Reed Clamp Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head
462-7203	Lock Washer—Cylinder Block Flange and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud

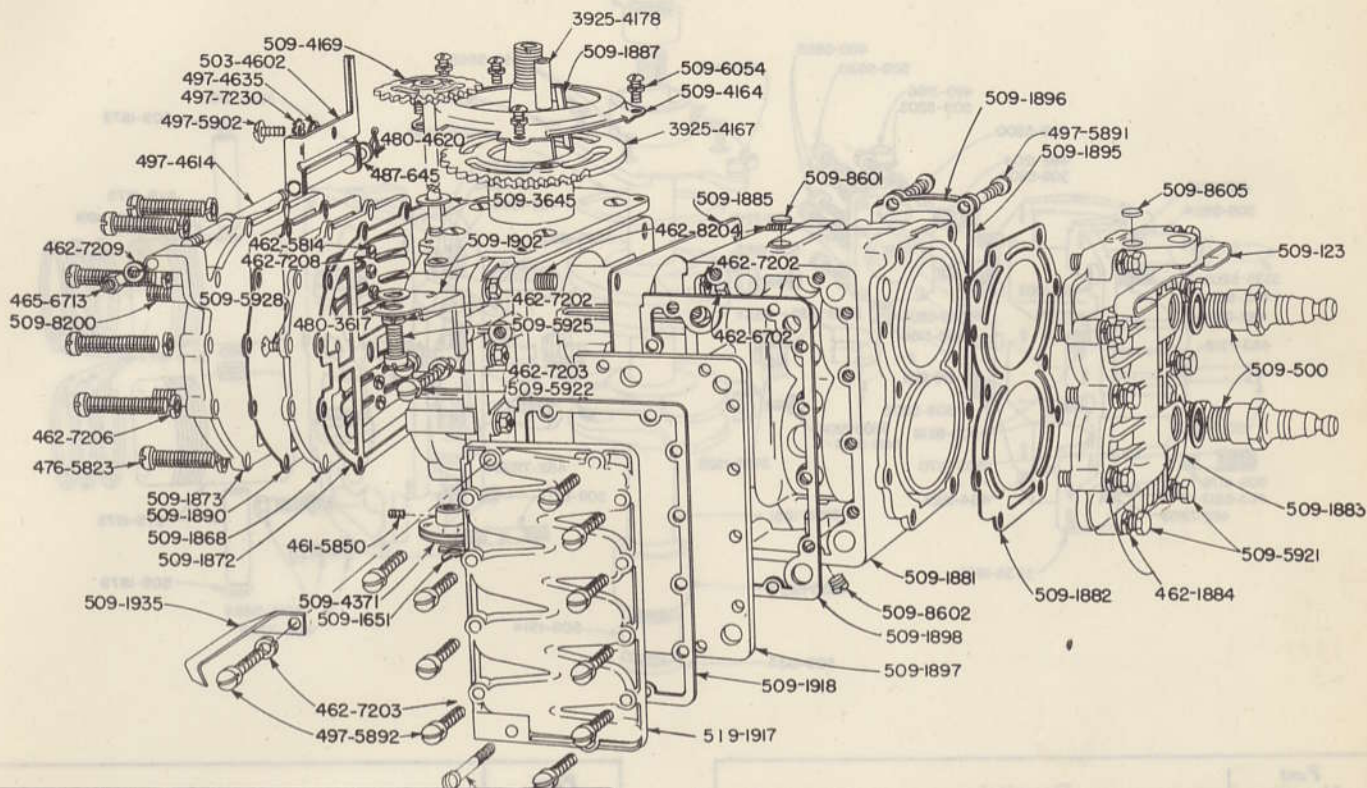
CRANKCASE - 3045



Part Number	Description
463-1851	Crankshaft
3335-1852	Connecting Rod and Cap (Includes 463-1855 and 3735-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
480-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket

Part Number	Description
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
497-1915	Seal
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut

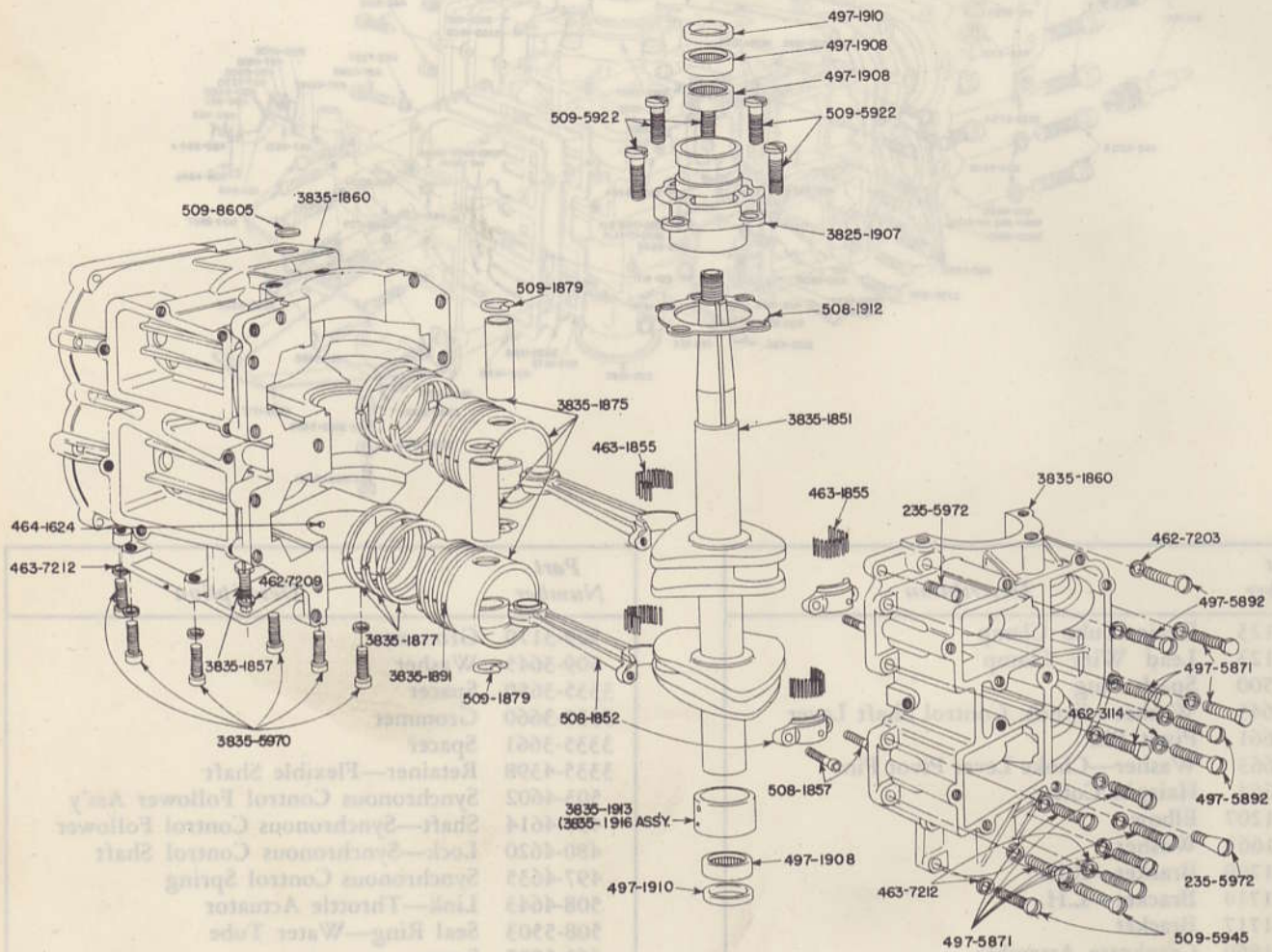
POWERHEAD 3935 (Early Models - Page P43)



Part Number	Description	463-5808
509-123	Lead Wire Clamp	
509-176	Lead Wire Clamp	
509-500	Spark Plug	
487-645	Washer	
509-1651	'X' Washer—Magneto Pulley Shaft	
509-1868	Reed Valve Plate Assembly	
509-1870	Reeds Only	
509-1871	Reed Valve Clamp	
509-1872	Gasket—Reed Valve Plate	
509-1873	Intake Manifold	
519-1881	Cylinder Block	
509-1882	Gasket—Cylinder Head	
509-1883	Cylinder Head	
462-1884	Washer—Cylinder Head	
509-1885	Cylinder Flange Gasket	
509-1887	Flywheel Key	
509-1890	Intake Manifold Gasket	
509-1895	Intake Cover Plate Assembly	
+509-1896	Gasket—Intake Cover Plate	
509-1897	Exhaust Cover Plate	
509-1898	Exhaust Cover Plate Gasket	
509-1902	Hood Bracket	
509-1917	Water Cover Plate	
509-1918	Water Cover Plate Gasket	
509-1935	Lead Wire Guide	
480-3617	Washer—Hood to Bracket	
509-3645	Washer—Pinion Thrust	
509-4164	Mounting Ring—Stator Plate	
3925-4167	Gear—Stator Plate	
509-4169	Magneto Pinion Pulley	
3925-4178	Spacer—Stator Plate Gear Screw	
509-4371	Magneto Pulley Assembly	

Part Number	Description
509-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
463-5808	Screw
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
461-5850	Set Screw—Magneto Pinion Pulley
497-5891	Screw—Intake Cover Plate
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5922	Screw—Hood Bracket to Powerhead
509-5925	Screw—Hood Bracket to Hood
509-5928	Screw—Reed Valve Plate
509-6054	Screw—Mounting Ring
462-6702	Nut—Cylinder Block Studs
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
462-7203	Lockwasher 1/4" Common
462-7206	Lockwasher—Intake Manifold
462-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
+Included in 509-1895 Assembly	
*Included in 509-4602 Assembly	

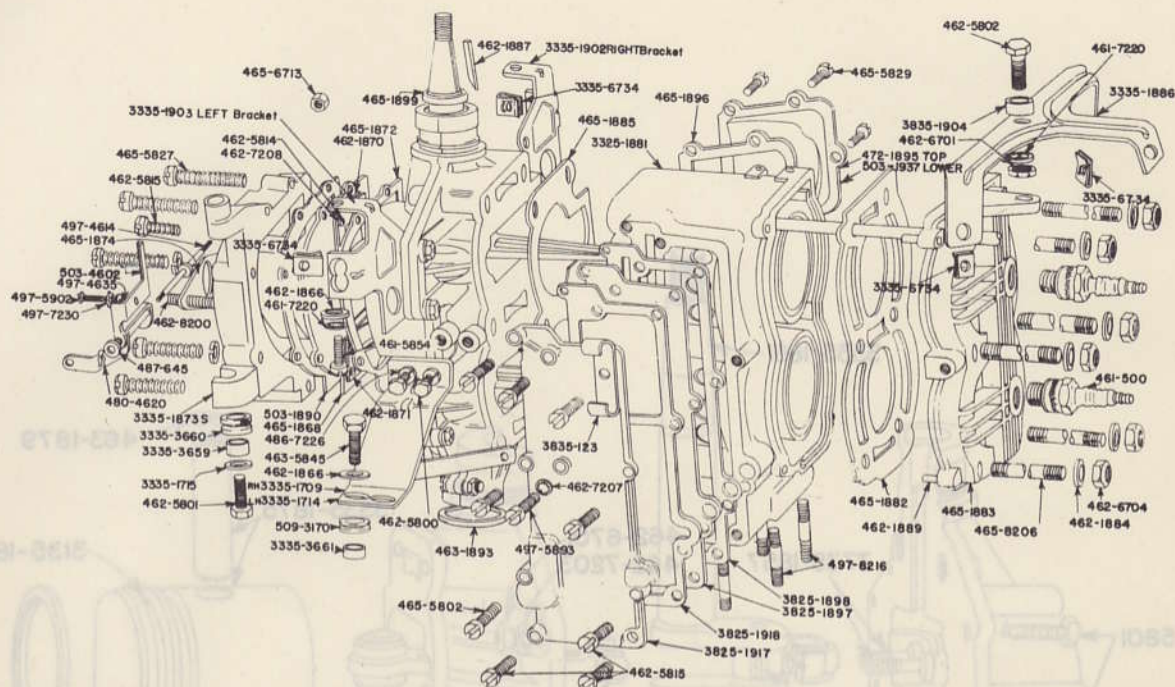
CRANKCASE 3835



Part Number	Description
464-1624	Groove Pin—Bearing Retainer
3835-1851	Crankshaft
508-1852	Connecting Rod Assembly (Includes 463-1855, 508-1857)
463-1855	Connecting Rod Crank Pin Rollers (28 Per Set)
508-1857	Connecting Rod Screw
3835-1857	Screw
3835-1860	Crankcase Assembly
3835-1875	Piston Assembly
3835-1877	Piston Ring
509-1879	Piston Pin Lock
3835-1891	Pin—Piston Ring Pin
3825-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing
497-1910	Oil Seal

Part Number	Description
3825-1911	Magneto Mount Assembly
508-1912	Gasket—Magneto Mount Bearing Cage
3835-1913	Lower Crankshaft Bearing Retainer
3835-1916	Lower Crankshaft Bearing Assembly
462-3114	Washer
497-5871	Screw
497-5892	Screw
509-5922	Screw—Magneto Mount Bearing Cage
509-5945	Screw
3835-5970	Screw
235-5972	Dowel Screw
462-7203	Lockwasher—Crankcase Flange Screw
462-7209	Lockwasher
463-7212	Lockwasher

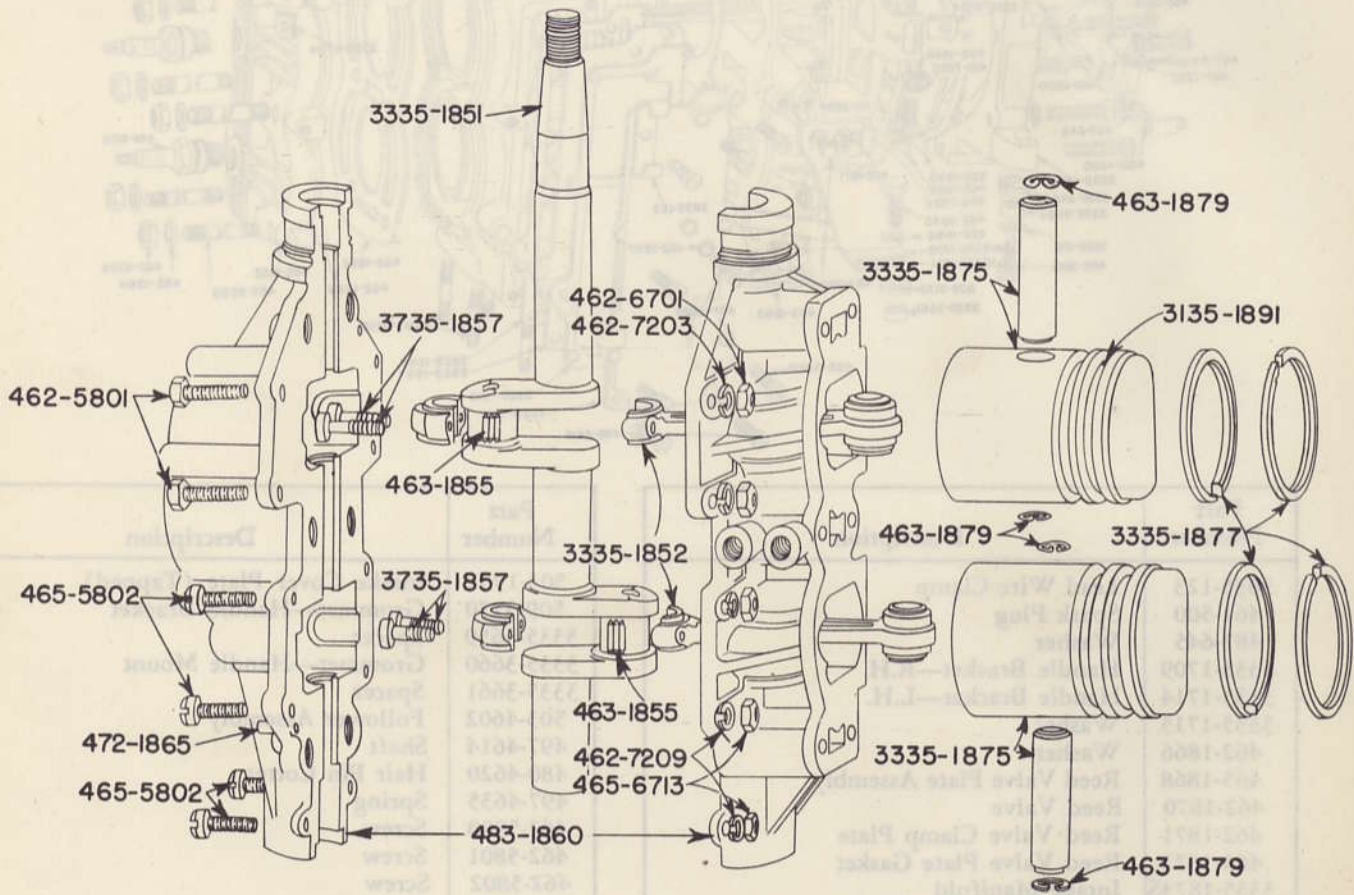
POWERHEAD 3335



Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer
3335-1709	Handle Bracket—R.H.
3335-1714	Handle Bracket—L.H.
3335-1715	Washer
462-1866	Washer
465-1868	Reed Valve Plate Assembly
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
3335-1873S	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
3335-1886	Rear Bracket Assembly
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
3335-1902	Bracket—Front L.H.
3335-1903	Bracket—Front R.H.
3835-1904	Spacer
3825-1917	Water Cover Plate
3825-1918	Gasket—Water Cover Plate

Part Number	Description
503-1937	Intake Cover Plate (Tapped)
509-3170	Grommet—Handle Bracket
3335-3659	Spacer
3335-3660	Grommet—Handle Mount
3335-3661	Spacer
503-4602	Follower Assembly
497-4614	Shaft
480-4620	Hair Pin Cotter
497-4635	Spring
462-5800	Screw
462-5801	Screw
462-5802	Screw
465-5802	Screw
462-5814	Screw—Reed Valve Clamp
462-5815	Screw
465-5827	Screw—Intake Manifold
465-5829	Screw—Intake Cover Plate
463-5845	Screw
461-5854	Screw
497-5893	Screw
497-5902	Adjusting Screw
462-6701	Nut Starter Mounting Screw
462-6704	Locknut—Cylinder Head
465-6713	Nut
3335-6734	Speed Nut
462-7207	Lockwasher
462-7208	Lockwasher—Reed Valve Clamp Screw
461-7220	Lockwasher
486-7226	Lockwasher
497-7230	Lockwasher
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange

CRANKCASE 3335

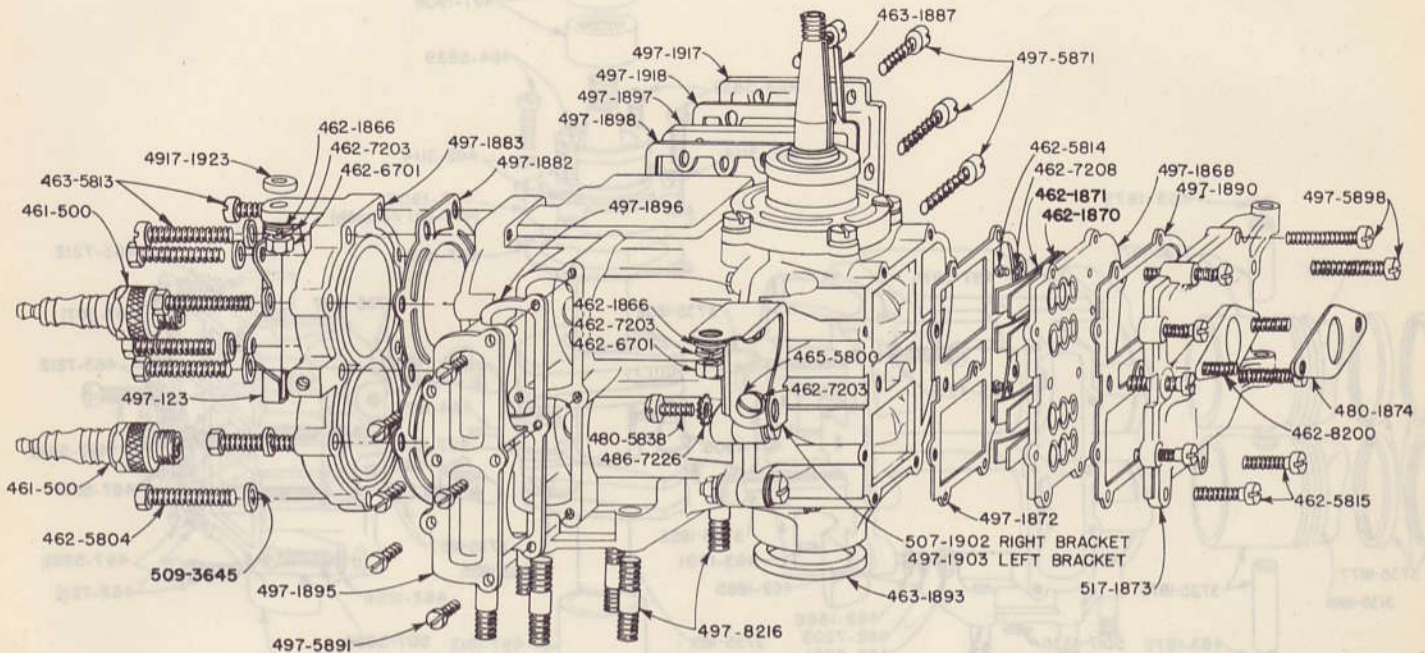


Part Number	Description
3335-1851	Crankshaft
3335-1852	Connecting Rod Assembly (Includes 463-1855 and 3735-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel *Sold in sets only, to maintain uniformity

Part Number	Description
3335-1875	Piston and Pin
3335-1877	Piston Ring
463-1879	Piston Pin Lock
3135-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange Screw Nut
462-7209	Lock Washer—Crankcase Flange Screw Nut

CRANKCASE 3735

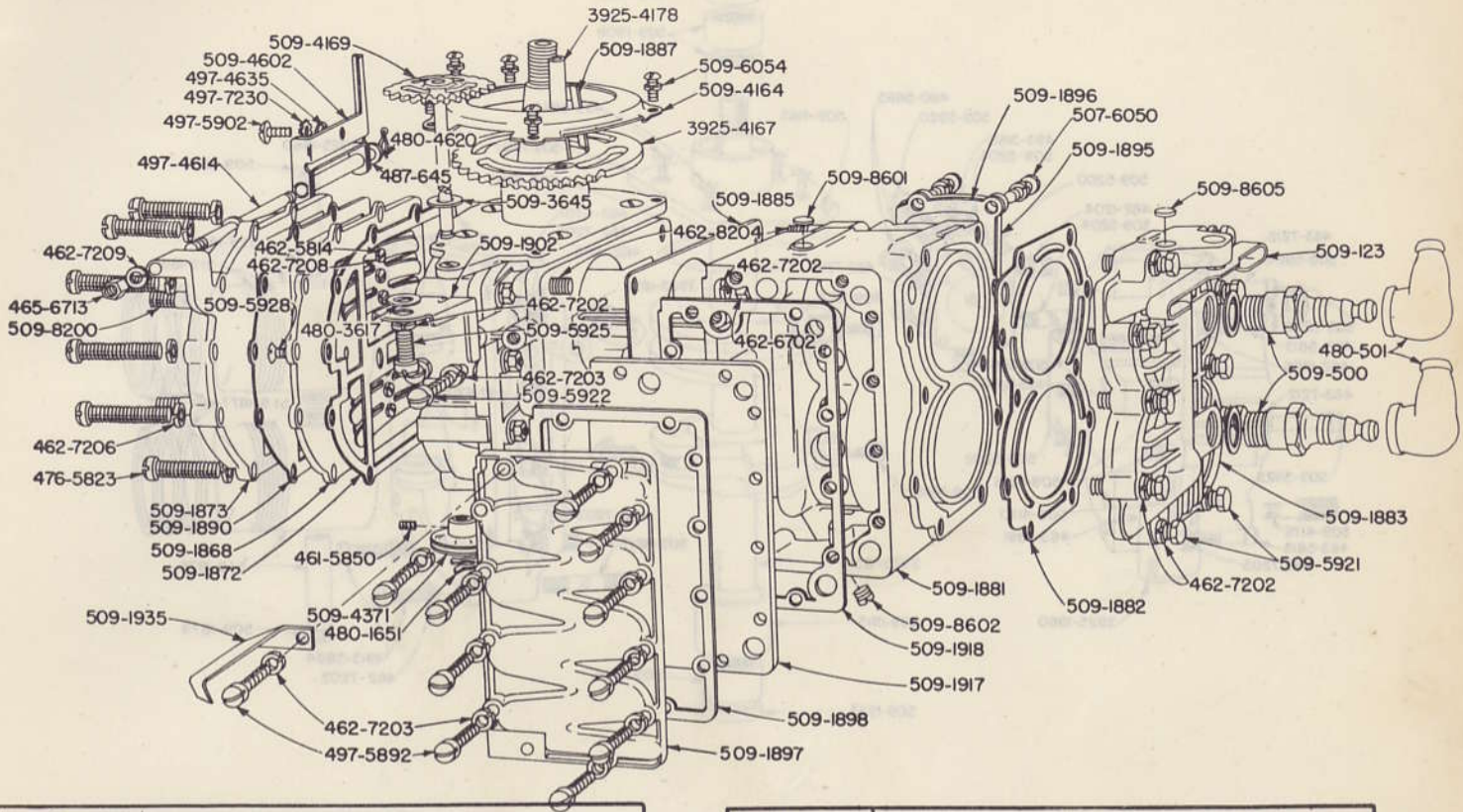
POWERHEAD 3735



Part Number	Description
497-123	Lead Wire Clamp
461-500	Spark Plug
462-1866	Washer—Gas Tank Bracket
497-1868	Reed Valve Plate Assembly
462-1870	Reed
426-1871	Reed Bracket Clamp
497-1872	Valve Reed Plate Gasket
517-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Plate Gasket
497-1883	Detachable Cylinder Head
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
497-1895	Intake Cover Plate
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust Cover Plate Gasket
507-1902	Gas Tank Bracket (RH)
497-1903	Gas Tank Bracket (LH)
497-1917	Water Cover Plate
497-1918	Gasket—Water Cover Plate

Part Number	Description
4917-1923	Spacer—Gas Tank (Rear)
509-3645	Washer
465-5800	Screw—Gas Tank Bracket to Powerhead
462-5804	Screw—Cylinder Head
463-5813	Screw—Cylinder Head
462-5814	Screw—Valve Reed Clamp
462-5815	Screw—Intake Manifold—Short
480-5838	Screw—Gas Tank Skirt—Front
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
497-5901	Screw—Water Cover Plate (Not Shown)
462-6701	Nut—Gas Tank Mounting Screw
462-7203	Lockwasher—Gas Tank Bracket
462-7203	Lockwasher—Bracket Screw
462-7208	Lockwasher—Valve Reed Clamp Screw
486-7226	Lockwasher—Skirt Mounting
462-8200	Carburetor Flange Stud
497-8216	Stud—Cylinder Exhaust Flange

POWERHEAD 3925

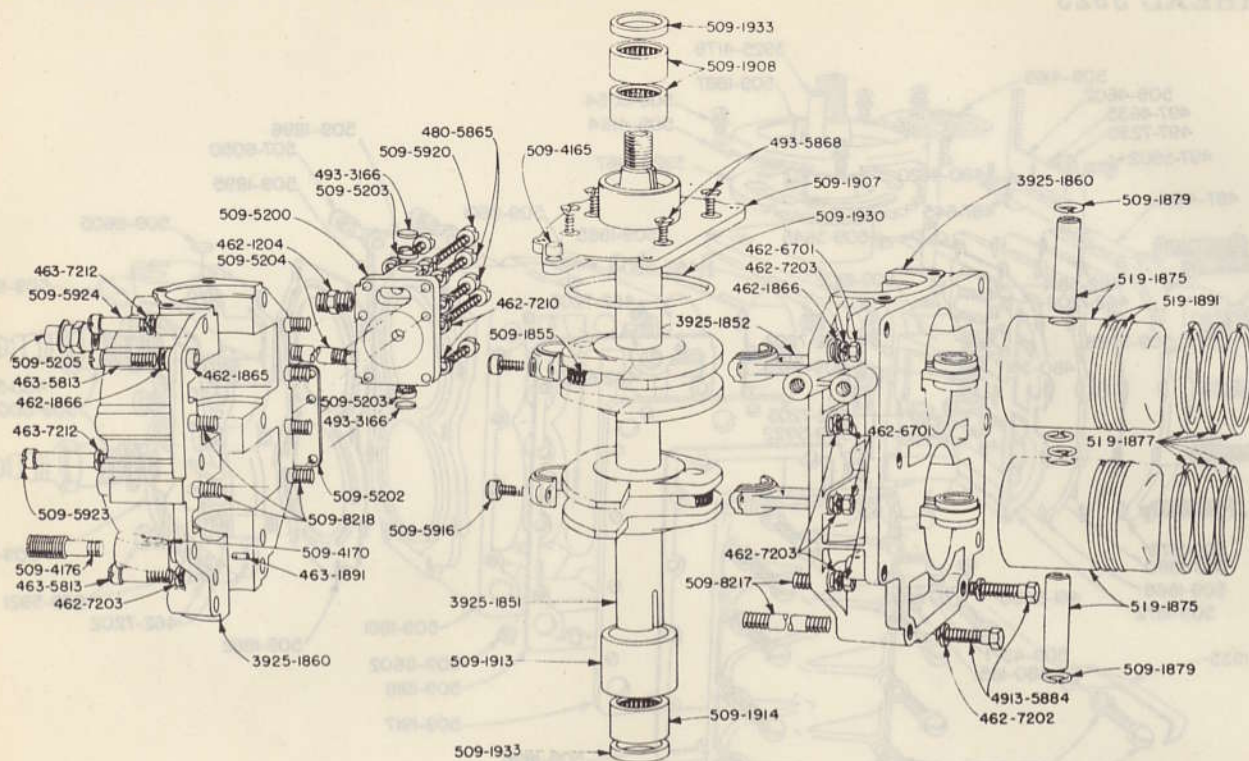


Part Number	Description
509-123	Lead Wire Clamp
509-176	Lead Wire Clamp
509-500	Spark Plug
480-501	Spark Plug Rubber Hood
487-645	Washer
480-1651	'X' Washer—Magneto Pulley Shaft
509-1868	Reed Valve Plate Assembly
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
509-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust Cover Plate Gasket
509-1902	Hood Bracket
509-1917	Water Cover Plate
509-1918	Water Cover Plate Gasket
509-1935	Lead Wire Guide
480-3617	Washer—Hood to Bracket
509-3645	Washer—Pinion Thrust
509-4164	Mounting Ring—Stator Plate
3925-4167	Gear—Stator Plate
509-4169	Magneto Pinion Pulley
3925-4178	Spacer—Stator Plate Gear Screw
509-4371	Magneto Pulley Assembly

Part Number	Description
509-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
461-5850	Set Screw—Magneto Pinion Pulley
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5922	Screw—Hood Bracket to Powerhead
509-5925	Screw—Hood Bracket to Hood
509-5928	Screw—Reed Valve Plate
507-6050	Screw—Intake Cover Plate
509-6054	Screw—Mounting Ring
462-6702	Nut—Cylinder Block Studs
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
462-7203	Lockwasher 1/4" Common
462-7206	Lockwasher—Intake Manifold
462-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
†Included in 509-1895 Assembly	
*Included in 509-4602 Assembly	

CRANKCASE 3925 - Early Models used 509 - 1851

Crankshaft and 509 - 1860 Crankcase

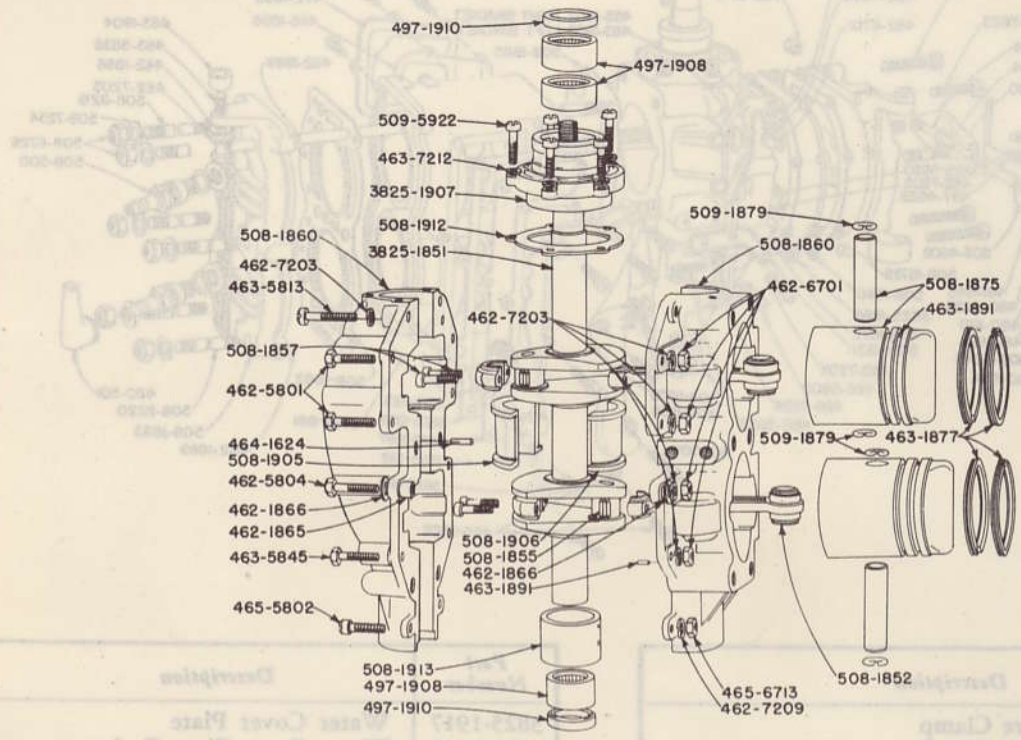


Part Number	Description
462-1204	Male Connector—Gas Line
3925-1851	Crankshaft
3925-1852	Connecting Rod Assembly (Includes 509-1855, 509-5916)
*509-1855	Crank Pin Roller Set (56)
3925-1860	Crankcase Assembly
462-1865	Dowel—Crankcase
462-1866	Washer—Crankcase Flange Screw
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
519-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
509-1907	Magneto Mount Plate
509-1908	Needle Bearing—Magneto Mount
509-1911	Magneto Mount Assy. (Includes 509-1907, 509-1908, 509-4165, 509-1933)
509-1913	Retainer—Lower Crankshaft Bearing
509-1914	Needle Bearing
509-1916	Lower Crankshaft Bear. Assy. (Includes 509-1913, 509-1914, 509-1933)
509-1930	"O" Ring Magneto Mount 509-1905, 509-1906, 509-5938, 509-1931, 462-1865, 462-7203, 509-1925, 509-1891)
509-1933	Oil Seal
493-3166	Welch Plug

Part Number	Description
509-4165	Bearing—Magneto Pinion Shaft
509-4170	Bearing—Mag. Pinion Shaft—Lower
509-4176	Adjusting Screw
509-5200	Fuel Pump Body Assembly (Includes 509-5203, 493-3166)
509-5202	Diaphragm—Fuel Pump
509-5203	Check Valve
509-5204	Fuel Pump Filter Assembly
509-5205	Plug—Fuel Coupling
463-5813	Screw—Crankcase Flange
463-5813	Screw—Lower Main Bearing
480-5865	Screw—Fuel Pump—Short
493-5868	Screw—Mag. Mount Bearing Cage
4913-5884	Screw—Crankcase to Block
509-5916	Screw—Connecting Rod Cap
509-5920	Screw—Fuel Pump—Long
509-5923	Screw—Crankcase Center Front
509-5924	Screw—Top Crankcase
462-6701	Nut—Crankcase Flange Screw and Stud
462-7202	Lockwasher—Crankcase to Block
462-7203	Lockwasher
462-7210	Lockwasher—Fuel Pump Screw
463-7212	Lockwasher—Top & Center Screws
509-8217	Stud—Lower Crankcase
509-8218	Stud—Crankcase Front

* Sold in Sets Only, to Maintain Uniformity

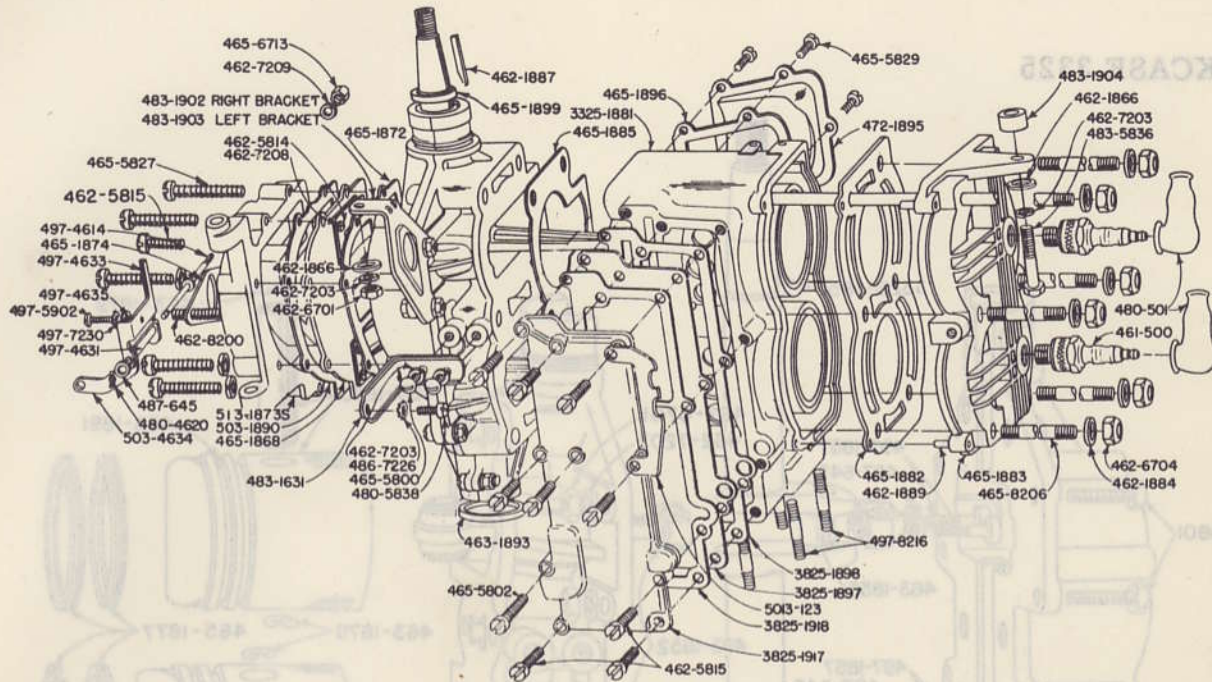
CRANKCASE 3825



Part Number	Description
464-1624	Groove Pin—Bearing Retainer
3825-1851	Crankshaft
508-1852	Connecting Rod Assembly (Includes 508-1855, 508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 Per Set)
508-1857	Connecting Rod Screw
508-1860	Crankcase Assembly
462-1865	Crankcase Dowel
462-1866	Washer—Crankcase Dowel
508-1875	Piston Assembly
463-1877	Piston Ring
509-1879	Piston Pin Lock
463-1891	Pin—Lower Bearing—Rear Crankcase & Piston Ring Pin
508-1905	Center Main Bearing—Front Half
508-1906	Center Main Bearing—Rear Half

Part Number	Description
3825-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing
497-1910	Oil Seal
3825-1911	Magneto Mount Assembly
508-1912	Gasket—Magneto Mount Bearing Cage
508-1913	Lower Crankshaft Bearing Retainer
508-1916	Lower Crankshaft Bearing Assembly
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-5804	Screw—Crankcase Flange
463-5813	Screw—Crankcase Flange
463-5845	Screw—Crankcase Flange
509-5922	Screw—Magneto Mount Bearing Cage
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lockwasher—Crankcase Flange Screw
462-7209	Lockwasher—Crankcase Flange Screw
463-7212	Lockwasher—Magneto Mount Bearing Cage

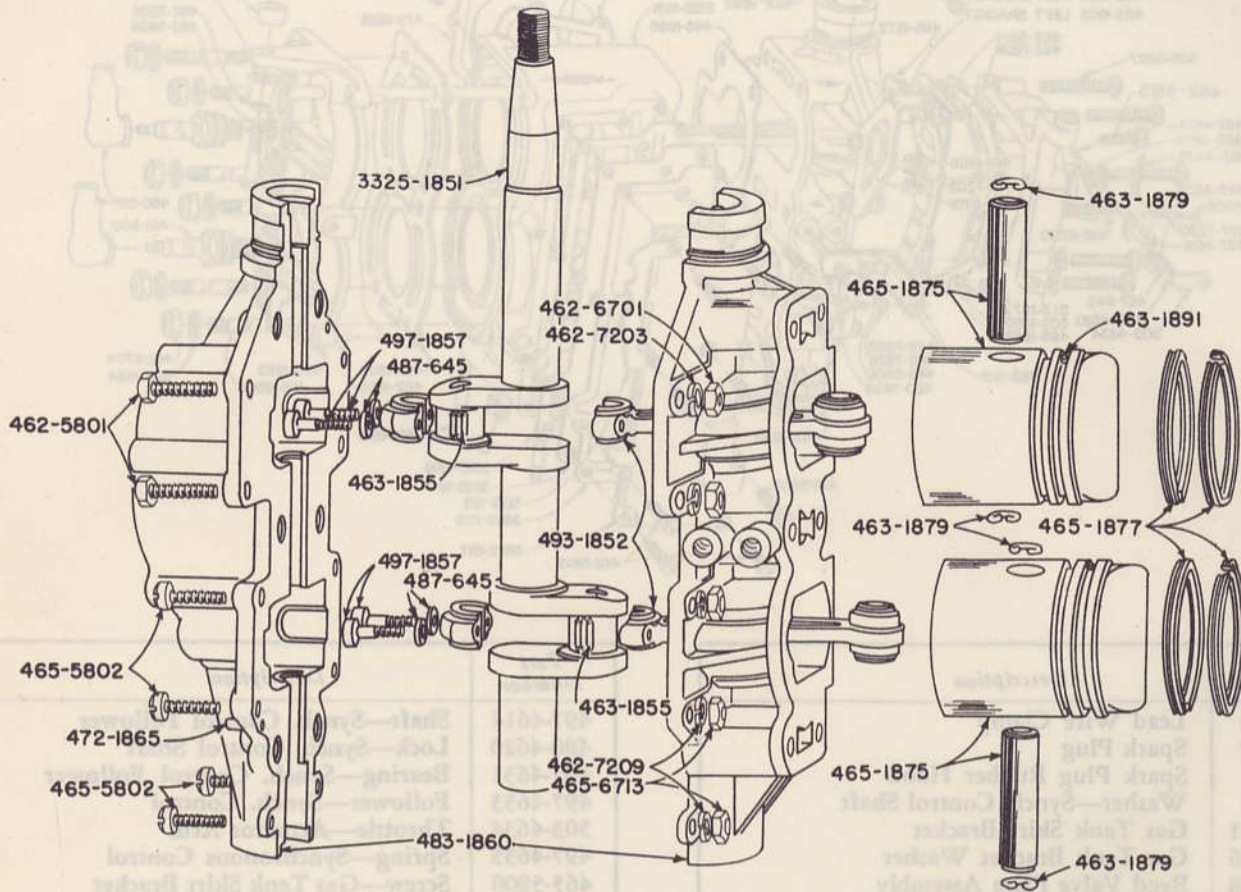
POWERHEAD 3325



Part Number	Description
5013-123	Lead Wire Clamp
461-500	Spark Plug
480-501	Spark Plug Rubber Hood
487-645	Washer—Synch. Control Shaft
483-1631	Gas Tank Skirt Bracket
462-1866	Gas Tank Bracket Washer
465-1868	Reed Valve Plate Assembly
465-1872	Reed Valve Plate Gasket
513-1873S	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
483-1902	Bracket—Gas Tank Front R.H.
483-1903	Bracket—Gas Tank Front L.H.
483-1904	Spacer—Gas Tank Rear Mounting
503-1924	Grommet—Gas Tank Bracket
3825-1918	Water Cover Plate Gasket
3825-1917	Water Cover Plate

Part Number	Description
497-4614	Shaft—Synch. Control Follower
480-4620	Lock—Synch. Control Shaft
497-4631	Bearing—Synch. Control Follower
497-4633	Follower—Synch. Control
503-4634	Throttle—Actuator Arm
497-4635	Spring—Synchronous Control
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Reed Valve Clamp
462-5815	Screw—Intake Manifold Short—Exhaust Cover Plate
465-5827	Screw—Intake Manifold Long
465-5829	Screw—Intake Cover Plate
483-5836	Screw—Gas Tank Mounting—Rear
480-5838	Screw—Gas Tank Skirt to Bracket
497-5902	Adjusting Screw—Synch. Control Follower
462-6701	Nut—Gas Tank Mounting Stud
462-6704	Locknut—Cylinder Head
465-6713	Nut—Synch. Control Shaft
462-7203	Lockwasher—1/4 Inch Common
462-7208	Lockwasher—Reed Valve Clamp Screw
462-7209	Lockwasher—#10 Common
486-7226	Lockwasher—Skirt Mounting Screw
497-7230	Lockwasher—Gas Tank Skirt to Bracket
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange

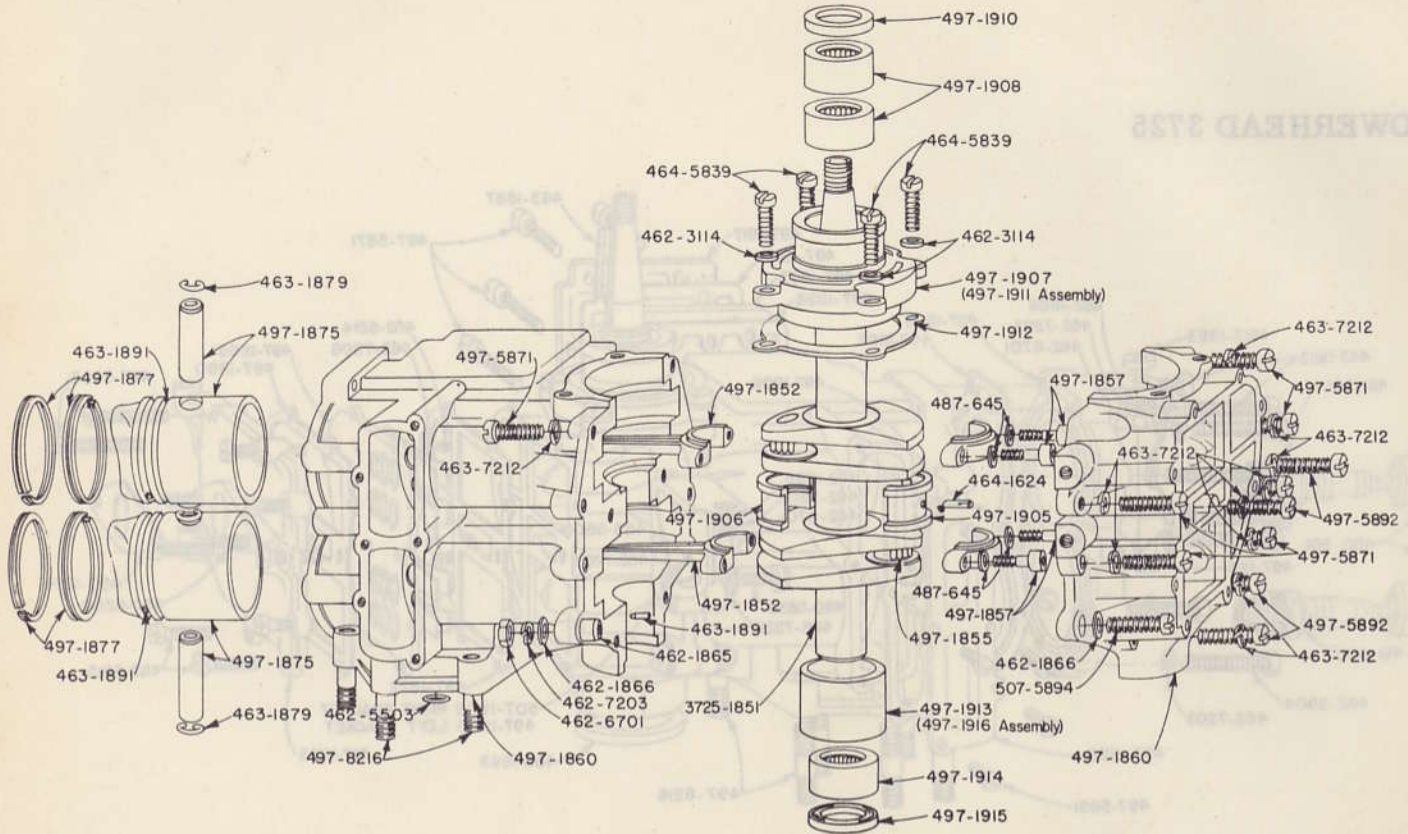
CRANKCASE 3325



Part Number	Description
487-645	Connecting Rod Screw Washer
3325-1851	Crankshaft
493-1852	Connecting Rod Assembly (Includes 463-1855, 487-645 and 497-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
497-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)

Part Number	Description
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange
	Screw Nut
	*Sold in sets only, to maintain uniformity.

CRANKCASE 3725



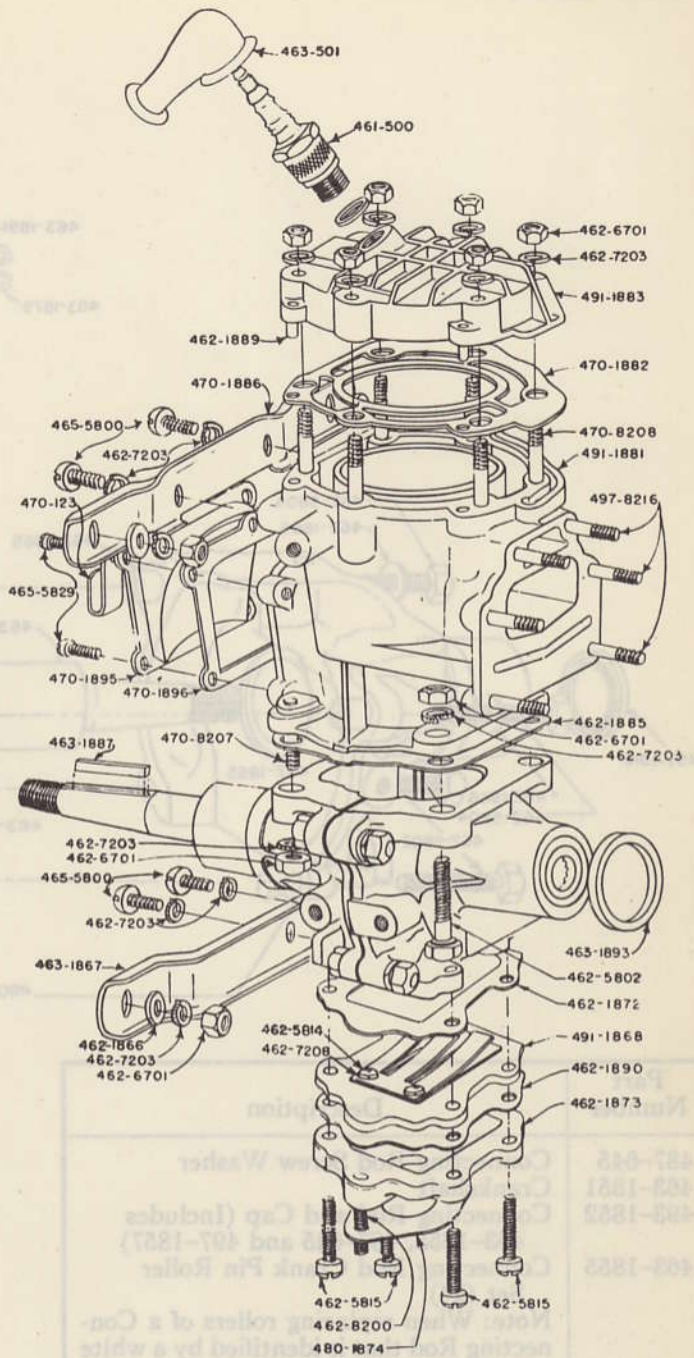
Part Number	Description
487-645	Connecting Rod Screw Washer
464-1624	Groove Pin—Bearing Retainer
3725-1851	Crankshaft
497-1852	Connecting Rod Assembly
497-1855	Connecting Rod Crank Pin Roller (Set)
497-1857	Connecting Rod Screw
497-1860	Crankcase and Block Assembly
462-1865	Hollow Dowel
462-1866	Washer—Dowel Screw
497-1875	Piston Assembly
497-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
497-1905	Center Bearing—Front
497-1906	Center Bearing—Rear
497-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing—Magneto Mount
497-1910	Oil Seal—Magneto Mount
497-1911	Magneto Mount Assembly (includes 497-1907, 497-1908, 497-1910)

Part Number	Description
497-1912	Gasket—Mag. Mount Bearing Cage
497-1913	Retainer—Lower Crankshaft Bearing
497-1914	Needle Bearing—Lower Main
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
462-3114	Washer—Magneto Mount Bearing Cage
462-5503	“O” Ring—Water Inlet
464-5839	Screw—Magneto Mount Bearing Cage
497-5871	Screw—Crankcase Flange
497-5892	Screw—Center and Lower Main Bearing
507-5894	Screw—Dowel
462-6701	Nut—Dowel Screw
462-7203	L.W.—Dowel
463-7212	L.W.—Flange and Bearing Screw
497-8216	Stud—Cylinder Exhaust Flange

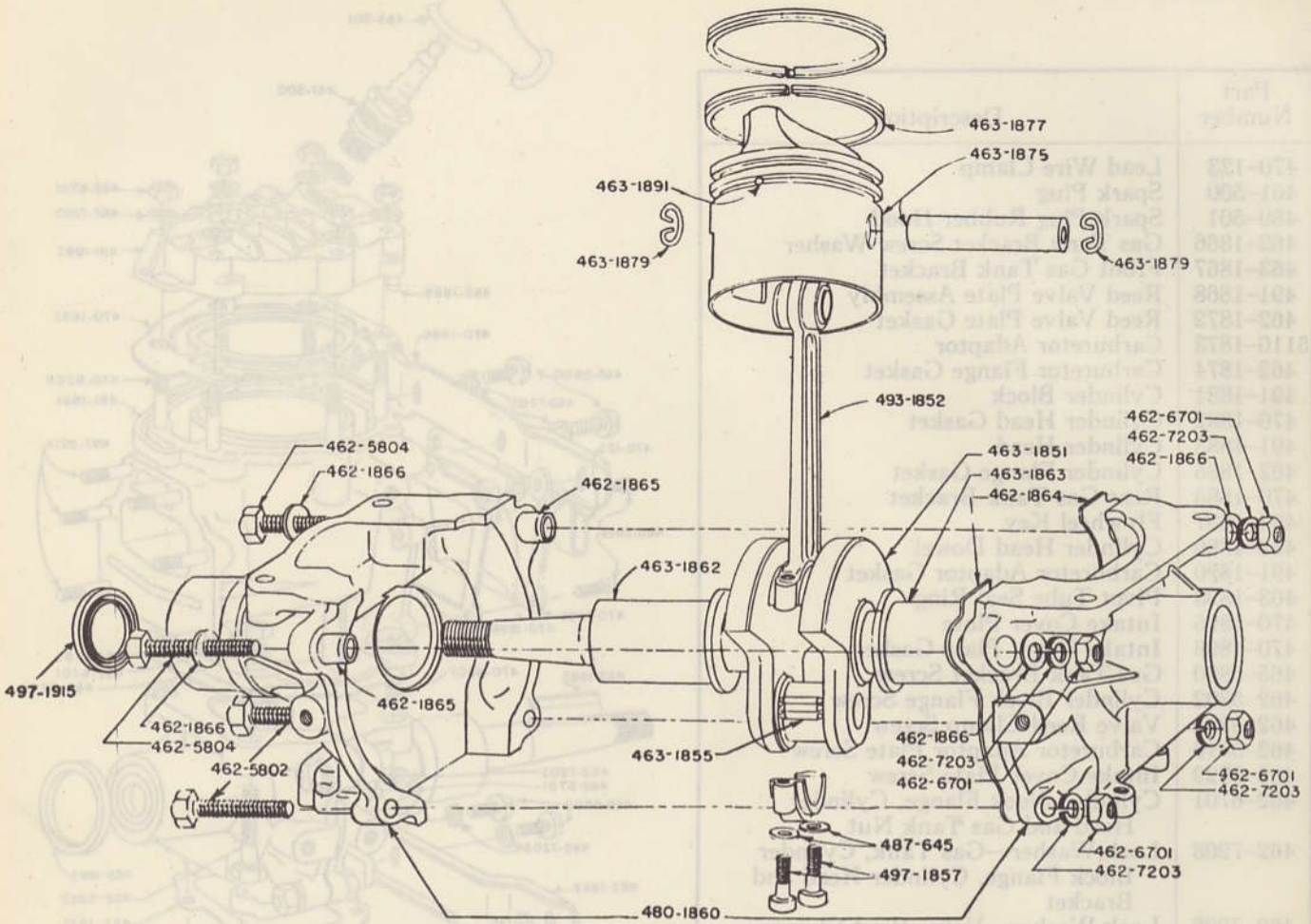
POWERHEAD 3025

CRANKCASE 3025

Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
480-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
463-1867	Front Gas Tank Bracket
491-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
5110-1873	Carburetor Adaptor
462-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
470-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
491-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-8200	Carburetor Flange Stud
497-8216	Cylinder Exhaust Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud



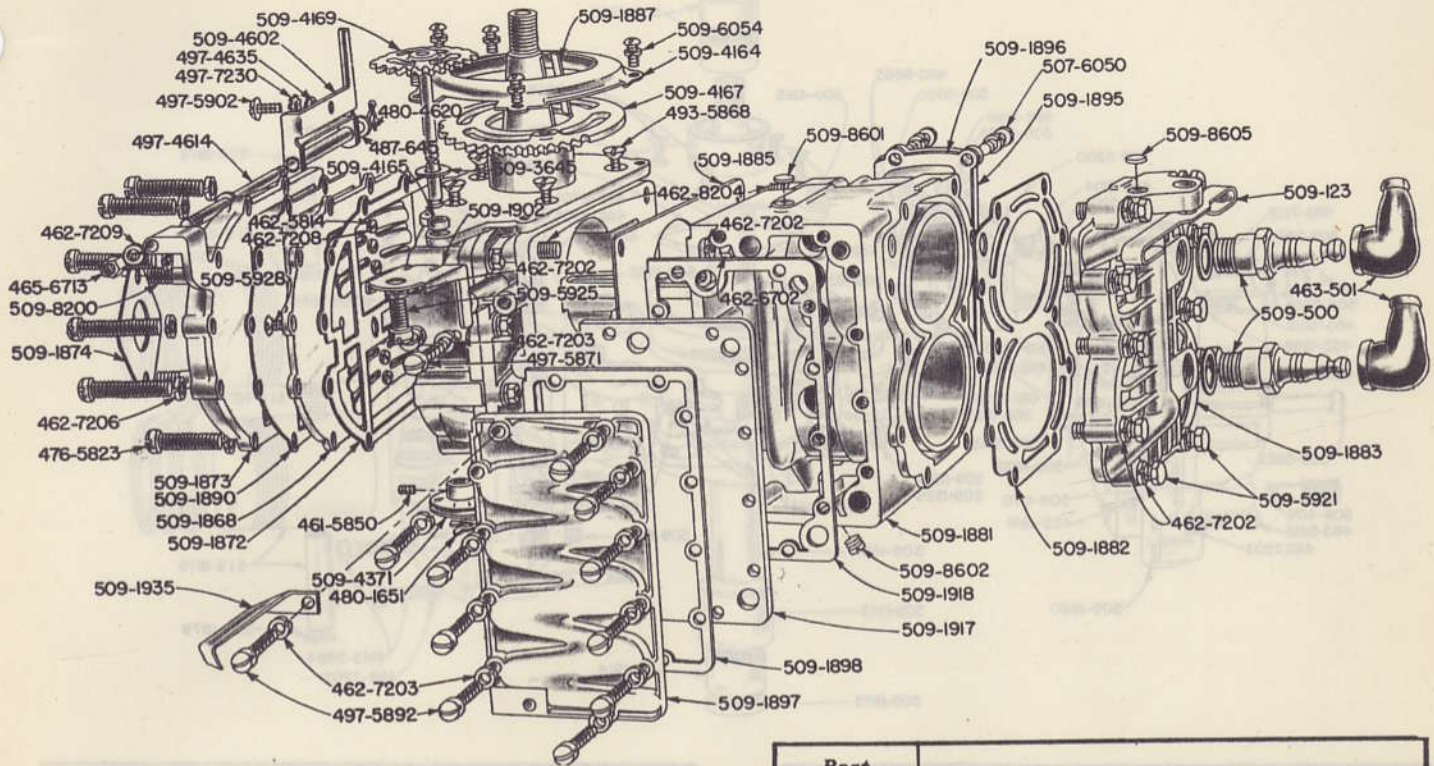
CRANKCASE 3025



Part Number	Description
487-645	Connecting Rod Screw Washer
463-1851	Crankshaft
493-1852	Connecting Rod and Cap (Includes 463-1855, 487-645 and 497-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24) Note: When replacing rollers of a Connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set)
497-1857	Connecting Rod Screw
480-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)

Part Number	Description
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
497-1915	Oil Seal—Upper Crankshaft Bearing
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut

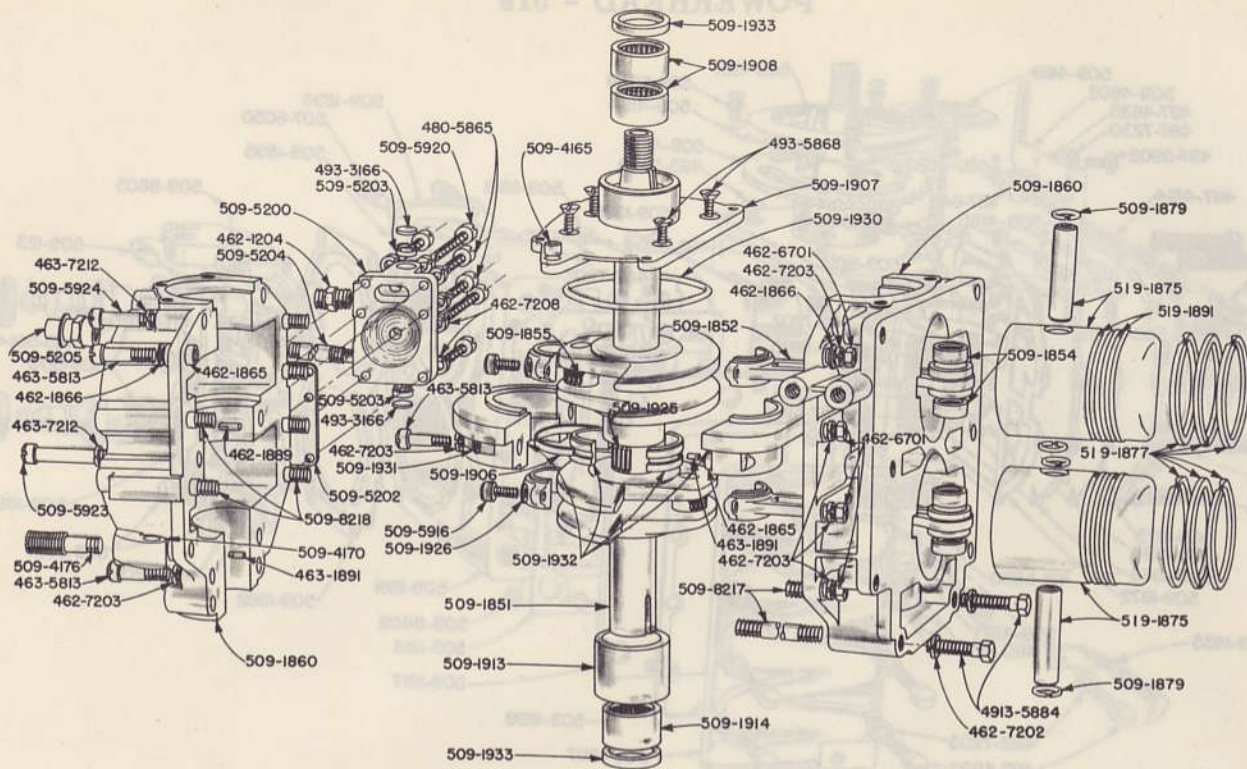
POWERHEAD - 519



Part Number	Description
509-123	Lead Wire Clamp
509-176	Lead Wire Clamp
509-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer
480-1651	'X' Washer—Magneto Pulley Shaft
509-1868	Reed Valve Plate Assembly
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
509-1874	Carburetor Flange Gasket
509-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust Cover Plate Gasket
509-1902	Hood Bracket
509-1917	Water Cover Plate
509-1918	Water Cover Plate Gasket
509-1935	Lead Wire Guide
509-3645	Washer—Pinion Thrust
509-4164	Mounting Ring—Stator Plate
509-4165	Bearing—Magneto Pinion Shaft
509-4167	Gear—Stator Plate
509-4169	Magneto Pinion Pulley
509-4371	Magneto Pulley Assembly

Part Number	Description
509-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
461-5850	Set Screw—Magneto Pinion Pulley
493-5868	Screw—Magneto Mount Bearing
497-5871	Screw—Hood Bracket to Powerhead
497-5891	Screw—Mag. Pinion Shaft Lower Bearing
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5925	Screw—Hood Bracket to Hood
509-5928	Screw—Reed Valve Plate
507-6050	Screw—Intake Cover Plate
509-6054	Screw—Mounting Ring
462-6702	Nut—Cylinder Block Studs
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
462-7203	Lockwasher—1/4" Common
462-7206	Lockwasher—Intake Manifold
462-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
†	Included in 509-1895 Assembly
*	Included in 509-4602 Assembly

CRANKCASE - 519

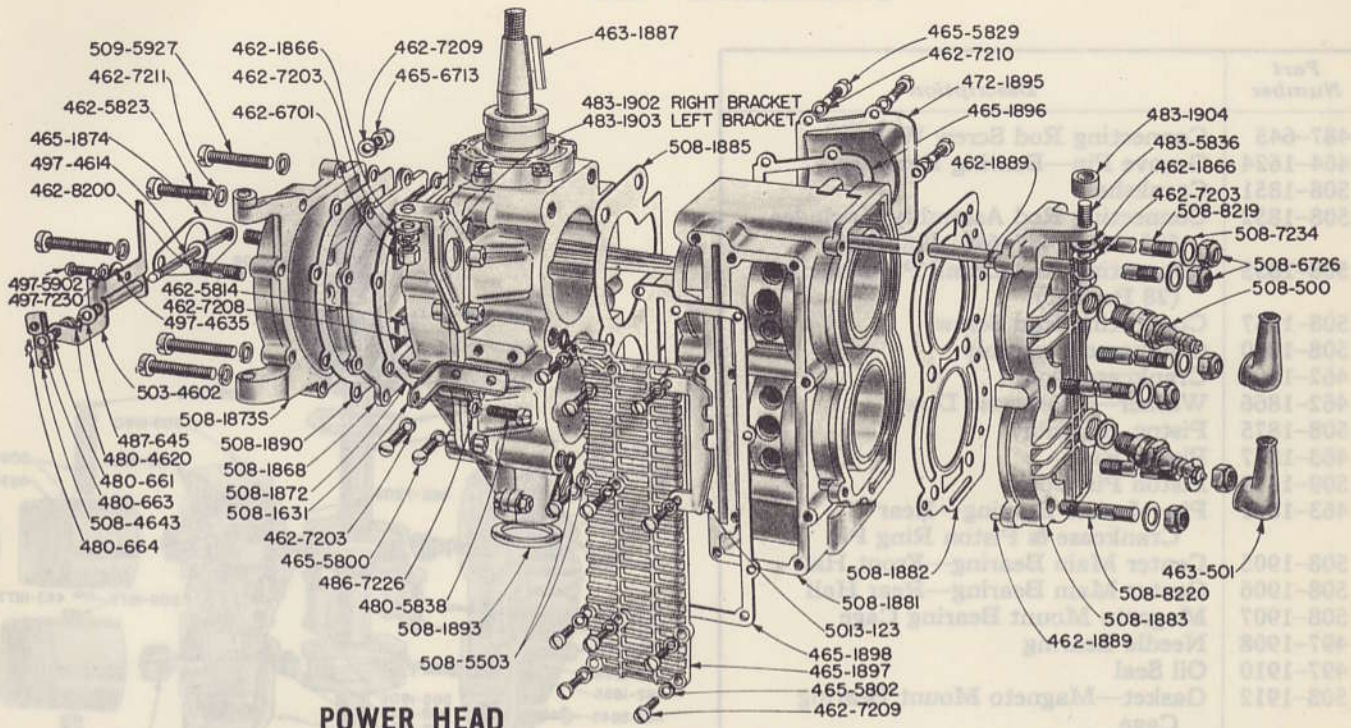


Part Number	Description
462-1204	Male Connector—Gas Line
509-1851	Crankshaft
509-1852	Connecting Rod Assembly (Includes 509-1854, 509-1855, 509-5916, 509-1926)
509-1854	Bearing—Wrist Pin
*509-1855	Crank Pin Roller Set (56)
509-1860	Crankcase Assembly
462-1865	Dowel—Retainer
462-1866	Washer—Crankcase Flange Screw
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
462-1889	Pin—Center Bearing to Crankcase
519-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
463-1891	Dowel—Race to Retainer
509-1905	Needle Bearing Race
509-1906	Race Band
509-1907	Magneto Mount Plate
509-1908	Needle Bearing—Magneto Mount
509-1911	Magneto Mount Assy. (Includes 509-1907, 509-1908, 509-4165, 509-1933)
509-1913	Retainer—Lower Crankshaft Bearing
509-1914	Needle Bearing
509-1916	Lower Crankshaft Bear. Assy. (Includes 509-1913, 509-1914, 509-1933)
*509-1925	Center Crankshaft Roller Bear. Set (27)
509-1926	Washer—Connecting Rod Cap Screw
509-1930	"O" Ring Magneto Mount
509-1931	Washer—Center Bearing Screw
509-1932	Center Bearing Assembly (Inc. 509-1863,

Part Number	Description
509-1905, 509-1906, 509-5938, 509-1931, 462-1865, 462-7203, 509-1925, 509-1891)	Oil Seal
509-1933	Oil Seal
493-3166	Welch Plug
509-4165	Bearing—Magneto Pinion Shaft
509-4170	Bearing—Mag. Pinion Shaft—Lower
509-4176	Adjusting Screw
509-5200	Fuel Pump Body Assembly (Includes 509-5203, 493-3166)
509-5202	Diaphragm—Fuel Pump
509-5203	Check Valve
509-5204	Fuel Pump Filter Assembly
509-5205	Plug—Fuel Coupling
463-5813	Screw—Crankcase Flange
463-5813	Screw—Lower Main Bearing
463-5813	Screw—Center Bearing
480-5865	Screw—Fuel Pump—Short
493-5868	Screw—Mag. Mount Bearing Cage
4913-5884	Screw—Crankcase to Block
509-5916	Screw—Connecting Rod Cap
509-5920	Screw—Fuel Pump—Long
509-5923	Screw—Crankcase Center Front
509-5924	Screw—Top Crankcase
462-6701	Nut—Crankcase Flange Screw and Stud
462-7202	Lockwasher—Crankcase to Block
462-7203	Lockwasher
462-7208	Lockwasher—Fuel Pump Screw
463-7212	Lockwasher—Top & Center Screws
509-8217	Stud—Lower Crankcase
509-8218	Stud—Crankcase Front

* Sold in Sets Only, to Maintain Uniformity

POWERHEAD - 518



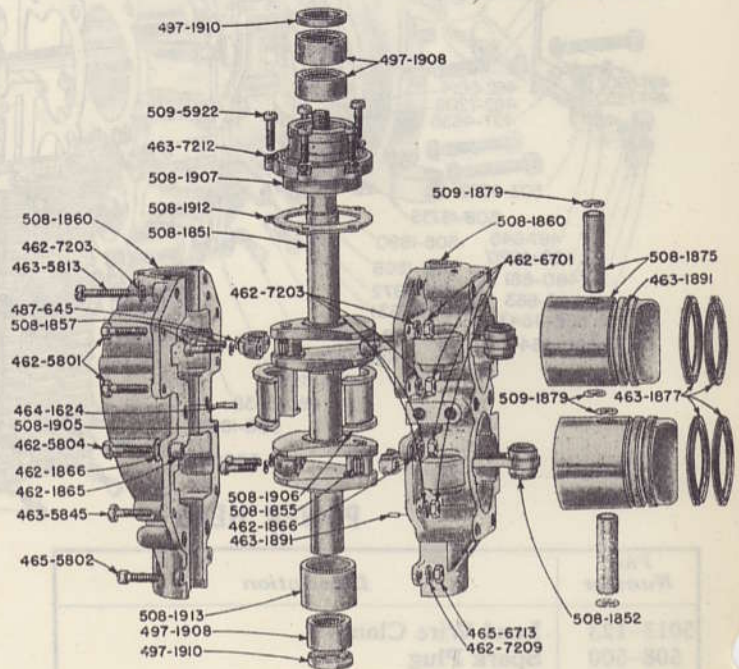
POWER HEAD

Part Number	Description
5013-123	Lead Wire Clamp
508-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer Synch. Control Shaft Lever
480-661	Choke Lever Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hairpin Cotter
508-1631	Gas Tank Skirt Bracket
462-1866	Spacer—Gas Tank Bracket and Rear Mounting Screw
508-1868	Reed Valve Plate Assembly
508-1872	Valve Reed Plate Gasket
508-1873S	Intake Manifold
465-1874	Carburetor Flange Gasket
508-1881	Cylinder Block
508-1882	Cylinder Head Gasket
508-1883	Cylinder Head
508-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
508-1890	Intake Manifold Gasket
508-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate—Top
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate
483-1902	Bracket—Gas Tank Front—R.H.
483-1903	Bracket—Gas Tank Front—L.H.
483-1904	Gas Tank Rear Mounting
503-1937	Intake Cover Plate—Bottom

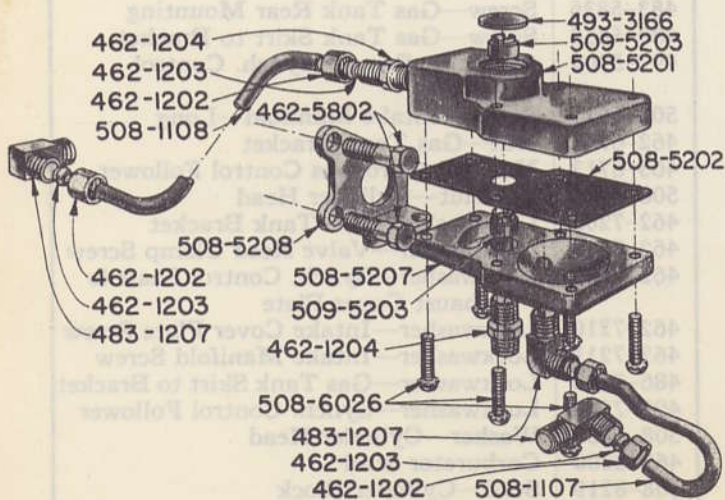
Part Number	Description
503-4602	Synchronous Control Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
497-4635	Synchronous Control Spring
508-4643	Link—Throttle Actuator
508-5503	Seal Ring—Cylinder Block Stud
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Valve Reed Clamp
462-5823	Screw—Intake Manifold—Short
465-5829	Screw—Intake Cover Plate
483-5836	Screw—Gas Tank Rear Mounting
480-5838	Screw—Gas Tank Skirt to Bracket
497-5902	Adjusting Screw—Synch. Control Follower
509-5927	Screw—Intake Manifold—Long
462-6701	Nut—Gas Tank Bracket
465-6713	Nut—Synchronous Control Follower
508-6726	Locknut—Cylinder Head
462-7203	Lockwasher—Gas Tank Bracket
462-7208	Lockwasher—Valve Reed Clamp Screw
462-7209	Lockwasher—Synch. Control Shaft & Exhaust Cover Plate
462-7210	Lockwasher—Intake Cover Plate Screw
462-7211	Lockwasher—Intake Manifold Screw
486-7226	Lockwasher—Gas Tank Skirt to Bracket
497-7230	Lockwasher—Synch. Control Follower
508-7234	Washer—Cylinder Head
462-8200	Carburetor Stud
508-8219	Stud—Cylinder Block
508-8220	Stud—Cylinder Block

CRANKCASE - 518

Part Number	Description
487-645	Connecting Rod Screw Washer
464-1624	Groove Pin—Bearing Retainer
508-1851	Crankshaft
508-1852	Connecting Rod Assembly (Includes 508-1855, 487-645, 508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 Per Set)
508-1857	Connecting Rod Screw
508-1860	Crankcase Assembly
462-1865	Crankcase Dowel
462-1866	Washer—Crankcase Dowel
508-1875	Piston Assembly
463-1877	Piston Ring
509-1879	Piston Pin Lock
463-1891	Pin—Lower Bearing—Rear Crankcase & Piston Ring Pin
508-1905	Center Main Bearing—Front Half
508-1906	Center Main Bearing—Rear Half
508-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing
497-1910	Oil Seal
508-1912	Gasket—Magneto Mount Bearing Cage
508-1913	Lower Crankshaft Bearing Retainer
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-5804	Screw—Crankcase Flange
463-5813	Screw—Crankcase Flange
463-5845	Screw—Crankcase Flange
509-5922	Screw—Magneto Mount Bearing Cage
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lockwasher—Crankcase Flange Screw
462-7209	Lockwasher—Crankcase Flange Screw
463-7212	Lockwasher—Magneto Mount Bearing Cage



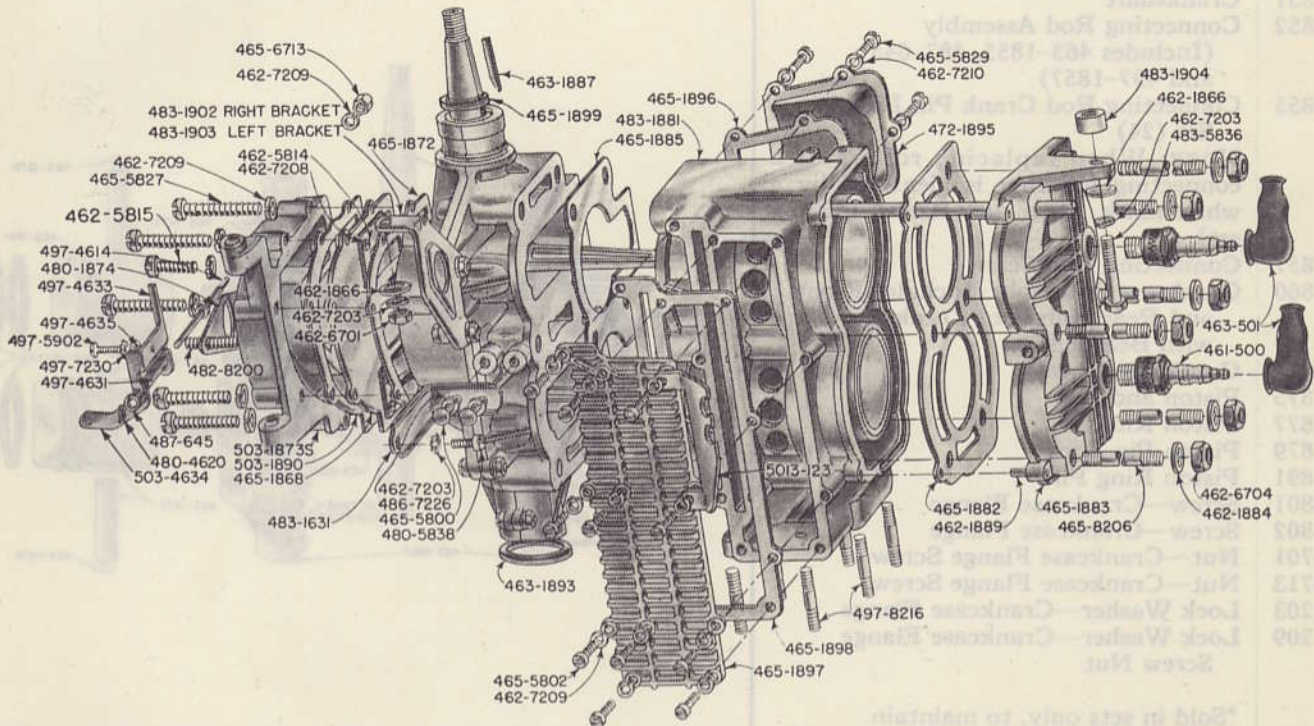
FUEL PUMP



Part Number	Description
508-1107	Pump Pressure Line
508-1108	Gas Line—Pump to Carburetor
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
483-1207	Gas Line Compression Elbow
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
508-5208	Bracket—Fuel Pump
462-5802	Screw—Bracket to Crankcase Flange
*508-6026	Screw—Fuel Pump Body

*Included in 508-5200 Assembly

POWERHEAD - 510 - Same as 500, Page P17, 18
 POWERHEAD - 511 - Same as 501, Page P19, 20
 POWERHEAD - 517 - Same as 507, Page P21, 22
 except top two Cylinder Head
 Screws are 463-5813
POWERHEAD - 513

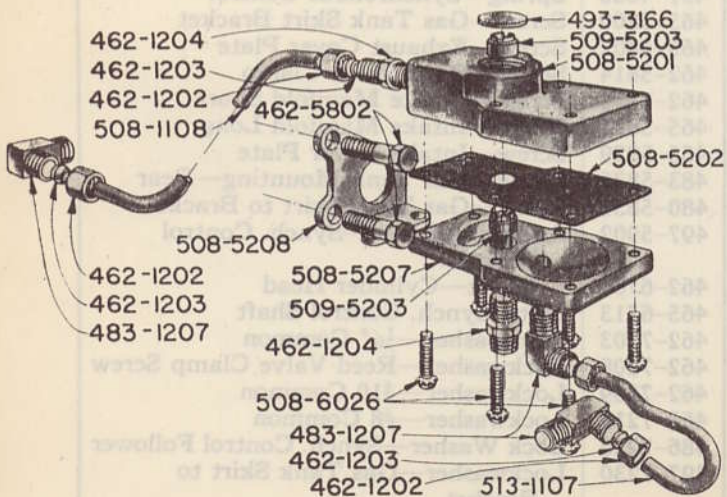
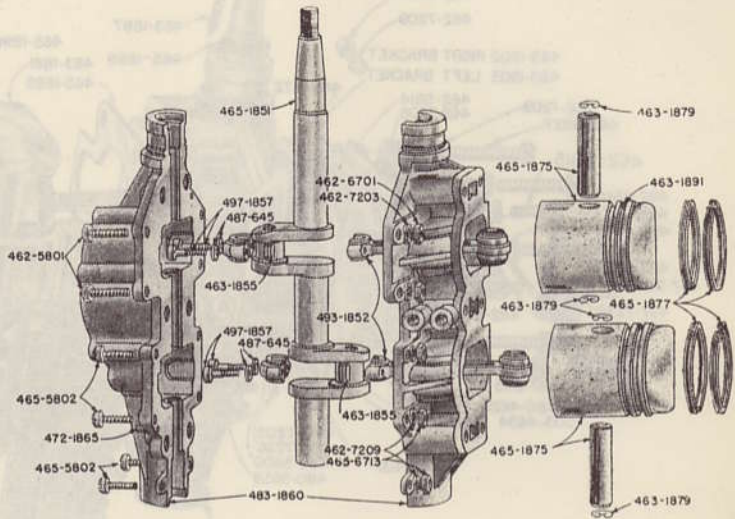


Part Number	Description
5013-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer—Synch. Control Shaft
483-1631	Gas Tank Skirt Bracket
462-1866	Gas Tank Bracket Washer
465-1868	Reed Valve Plate Assembly
465-1872	Reed Valve Plate Gasket
503-1873S	Intake Manifold
480-1874	Carburetor Flange Gasket
483-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
465-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
483-1902	Bracket—Gas Tank Front R.H.
483-1903	Bracket—Gas Tank Front L.H.
483-1904	Spacer—Gas Tank Rear Mounting
497-4614	Shaft—Synch. Control Follower

Part Number	Description
480-4620	Lock—Synch. Control Shaft
497-4631	Bearing—Synch. Control Follower
497-4633	Follower—Synch. Control
503-4634	Throttle—Actuator Arm
497-4635	Spring—Synchronous Control
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Reed Valve Clamp
462-5815	Screw—Intake Manifold Short
465-5827	Screw—Intake Manifold Long
465-5829	Screw—Intake Cover Plate
483-5836	Screw—Gas Tank Mounting—Rear
480-5838	Screw—Gas Tank Skirt to Bracket
497-5902	Adjusting Screw—Synch. Control Follower
462-6704	Locknut—Cylinder Head
465-6713	Nut—Synch. Control Shaft
462-7203	Lockwasher—1/4" Common
462-7208	Lockwasher—Reed Valve Clamp Screw
462-7209	Lockwasher—#10 Common
462-7210	Lockwasher—#8 Common
486-7226	Lock Washer—Synch. Control Follower
497-7230	Lockwasher—Gas Tank Skirt to Bracket
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange

CRANKCASE - 513

Part Number	Description
487-645	Connecting Rod Screw Washer
465-1851	Crankshaft
493-1852	Connecting Rod Assembly (Includes 463-1855, 487-645 and 497-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
497-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange Screw Nut
*Sold in sets only, to maintain uniformity.	

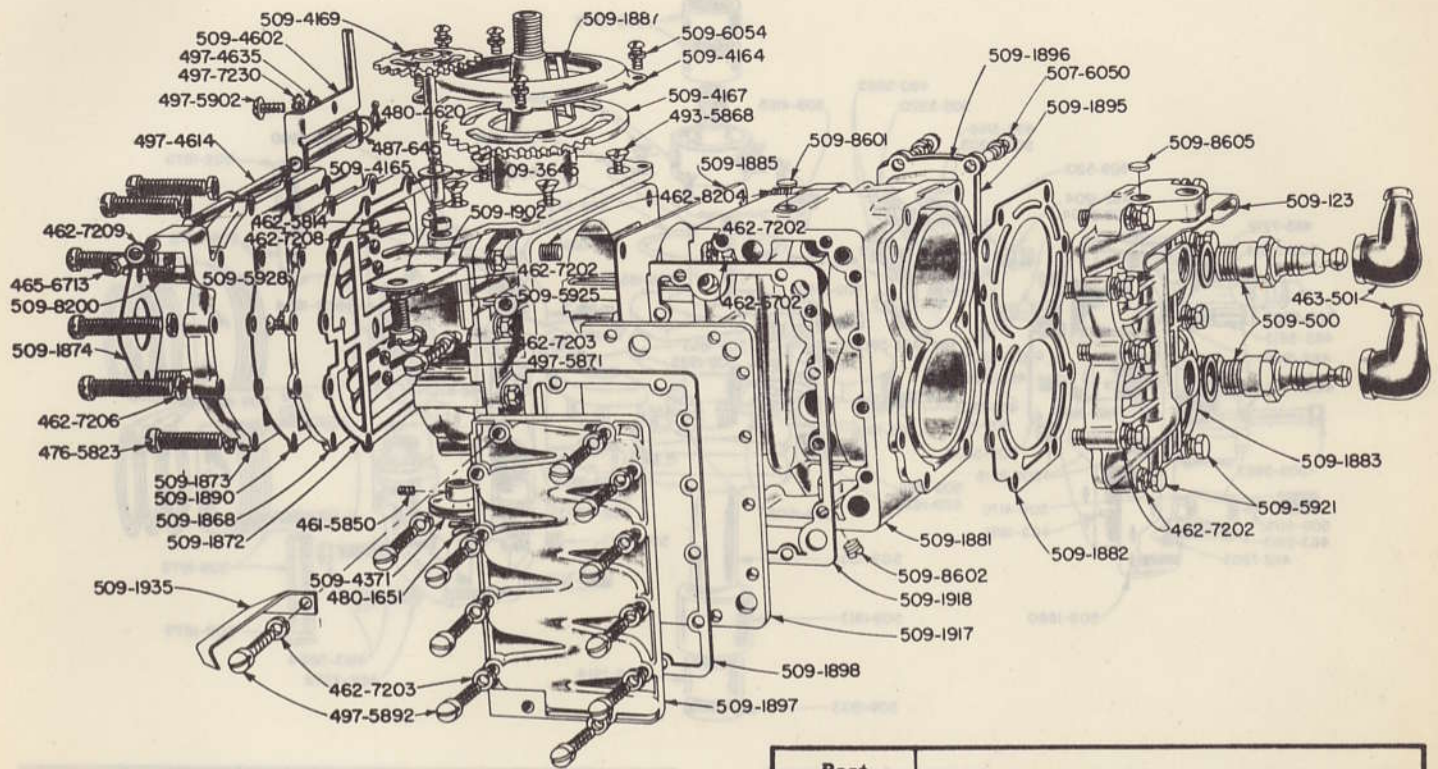


FUEL PUMP

Part Number	Description
513-1107	Pump Pressure Line
508-1108	Gas Line—Pump to Carburetor
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
483-1207	Gas Line Compression Elbow
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
508-5208	Bracket—Fuel Pump
462-5802	Screw—Bracket to Crankcase Flange
*508-6026	Screw—Fuel Pump Body

*Included in 508-5200 Assembly

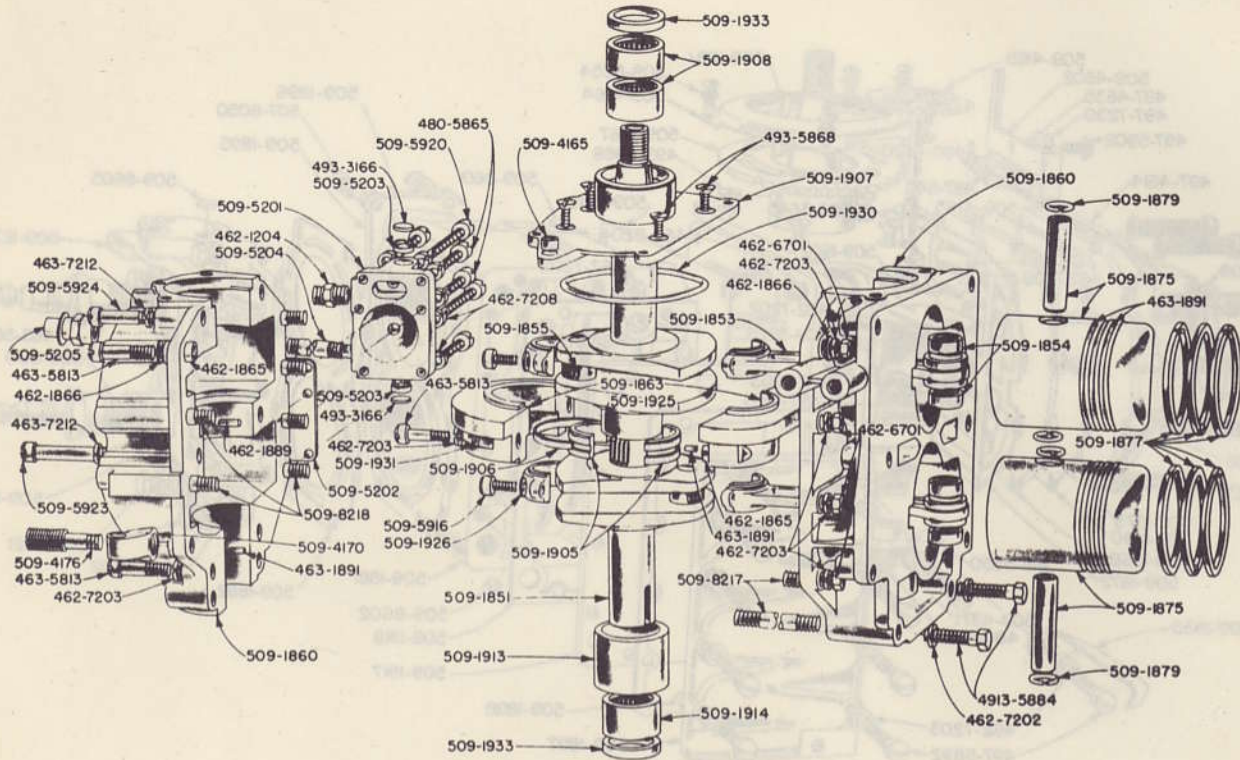
POWERHEAD 509



Part Number	Description
509-123	Lead Wire Clamp
509-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer
480-1651	'X' Washer—Magneto Pulley Shaft
509-1868	Reed Valve Plate Assembly
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
509-1874	Carburetor Flange Gasket
509-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust Cover Plate Gasket
509-1902	Hood Bracket
509-1917	Water Cover Plate
509-1918	Water Cover Plate Gasket
509-1935	Lead Wire Guide
509-3645	Washer—Pinion Thrust
509-4164	Mounting Ring—Stator Plate
509-4165	Bearing—Magneto Pinion Shaft
509-4167	Gear—Stator Plate
509-4169	Magneto Pinion Pulley
509-4371	Magneto Pulley Assembly

Part Number	Description
509-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
461-5850	Set Screw—Magneto Pinion Pulley
493-5868	Screw—Magneto Mount Bearing
497-5871	Screw—Hood Bracket to Powerhead
497-5891	Screw—Mag. Pinion Shaft Lower Bearing
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5925	Screw—Hood Bracket to Hood
509-5928	Screw—Reed Valve Plate
507-6050	Screw—Intake Cover Plate
509-6054	Screw—Mounting Ring
462-6702	Nut—Cylinder Block Studs
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
462-7203	Lockwasher—1/4" Common
462-7206	Lockwasher—Intake Manifold
462-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
†	Included in 509-1895 Assembly
*	Included in 509-4602 Assembly

CRANKCASE 509

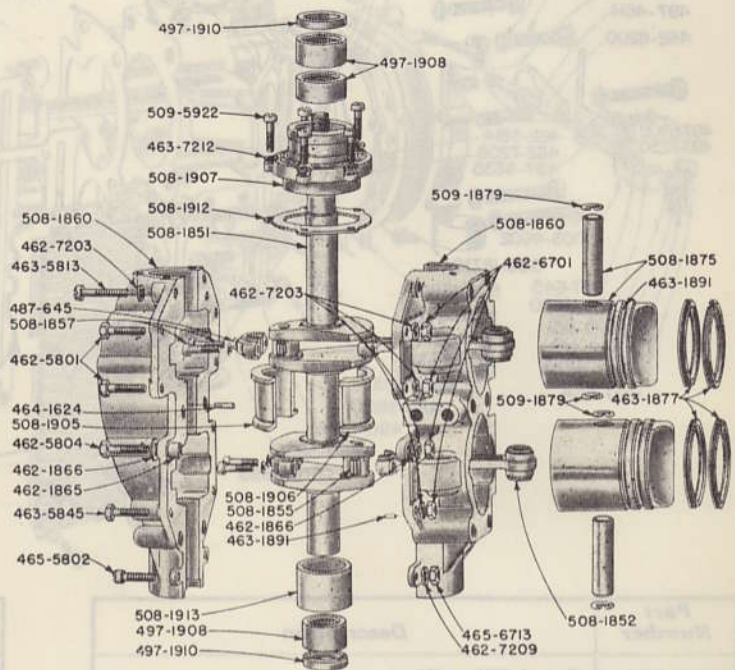


Part Number	Description
462-1204	Male Connector—Gas Line
509-1851	Crankshaft
509-1852	Connecting Rod Assembly (Includes 509-1854, 509-1855, 509-5916, 509-1926)
509-1853	Connecting Rod (Only)
509-1854	Bearing—Wrist Pin
*509-1855	Crank Pin Roller Set (56)
509-1860	Crankcase Assembly
509-1863	Retainer—Center Bearing
462-1865	Dowel—Crankcase
462-1865	Dowel—Retainer
462-1866	Washer—Crankcase Flange Screw
509-1875	Piston Assembly
509-1877	Piston Ring
509-1879	Piston Pin Lock
462-1889	Pin—Center Bearing to Crankcase
463-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
463-1891	Dowel—Race to Retainer
509-1905	Needle Bearing Race
509-1906	Race Band
509-1907	Magneto Mount Plate
509-1908	Needle Bearing—Magneto Mount
509-1911	Magneto Mount Assy. (Includes 509-1907, 509-1908, 509-4165, 509-1933)
509-1913	Retainer—Lower Crankshaft Bearing
509-1914	Needle Bearing
509-1916	Lower Crankshaft Bear. Assy. (Includes 509-1913, 509-1914, 509-1933)
*509-1925	Center Crankshaft Roller Bear. Set (27)
509-1926	Washer—Connecting Rod Cap Screw

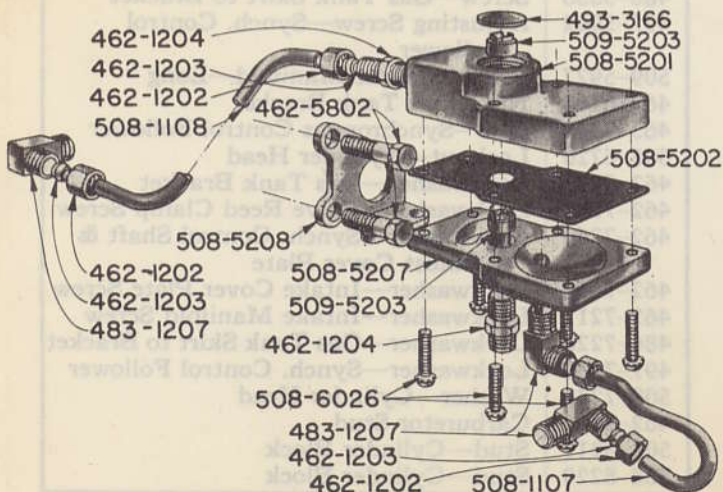
Part Number	Description
509-1930	"O" Ring Magneto Mount
509-1931	Washer—Center Bearing Screw
509-1933	Oil Seal
493-3166	Welch Plug
509-4165	Bearing—Magneto Pinion Shaft
509-4170	Bearing—Mag. Pinion Shaft—Lower
509-4176	Adjusting Screw
509-5200	Fuel Pump Body Assembly (Includes 509-5201, 509-5203, 493-3166)
509-5201	Fuel Pump Body
509-5202	Diaphragm—Fuel Pump
509-5203	Check Valve
509-5204	Fuel Pump Filter Assembly
509-5205	Plug—Fuel Coupling
463-5813	Screw—Crankcase Flange
463-5813	Screw—Lower Main Bearing
480-5865	Screw—Fuel Pump—Short
493-5868	Screw—Mag. Mount Bearing Cage
4913-5884	Screw—Crankcase to Block
509-5916	Screw—Connecting Rod Cap
509-5920	Screw—Fuel Pump—Long
509-5923	Screw—Crankcase Center Front
509-5924	Screw—Top Crankcase
509-5938	Screw—Center Bearing
462-6701	Nut—Crankcase Flange Screw and Stud
462-7202	Lockwasher—Crankcase to Block
462-7203	Lockwasher
462-7208	Lockwasher—Fuel Pump Screw
463-7212	Lockwasher—Top & Center Screws
509-8217	Stud—Lower Crankcase
509-8218	Stud—Crankcase Front

CRANKCASE & FUEL PUMP 518

Part Number	Description
487-645	Connecting Rod Screw Washer
464-1624	Groove Pin—Bearing Retainer
508-1851	Crankshaft
508-1852	Connecting Rod Assembly (Includes 508-1855, 487-645, 508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 Per Set)
508-1857	Connecting Rod Screw
508-1860	Crankcase Assembly
462-1865	Crankcase Dowel
462-1866	Washer—Crankcase Dowel
508-1875	Piston Assembly
463-1877	Piston Ring
509-1879	Piston Pin Lock
463-1891	Pin—Lower Bearing—Rear Crankcase & Piston Ring Pin
508-1905	Center Main Bearing—Front Half
508-1906	Center Main Bearing—Rear Half
508-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing
497-1910	Oil Seal
508-1912	Gasket—Magneto Mount Bearing Cage
508-1913	Lower Crankshaft Bearing Retainer
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-5804	Screw—Crankcase Flange
463-5813	Screw—Crankcase Flange
463-5845	Screw—Crankcase Flange
509-5922	Screw—Magneto Mount Bearing Cage
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lockwasher—Crankcase Flange Screw
462-7209	Lockwasher—Crankcase Flange Screw
463-7212	Lockwasher—Magneto Mount Bearing Cage



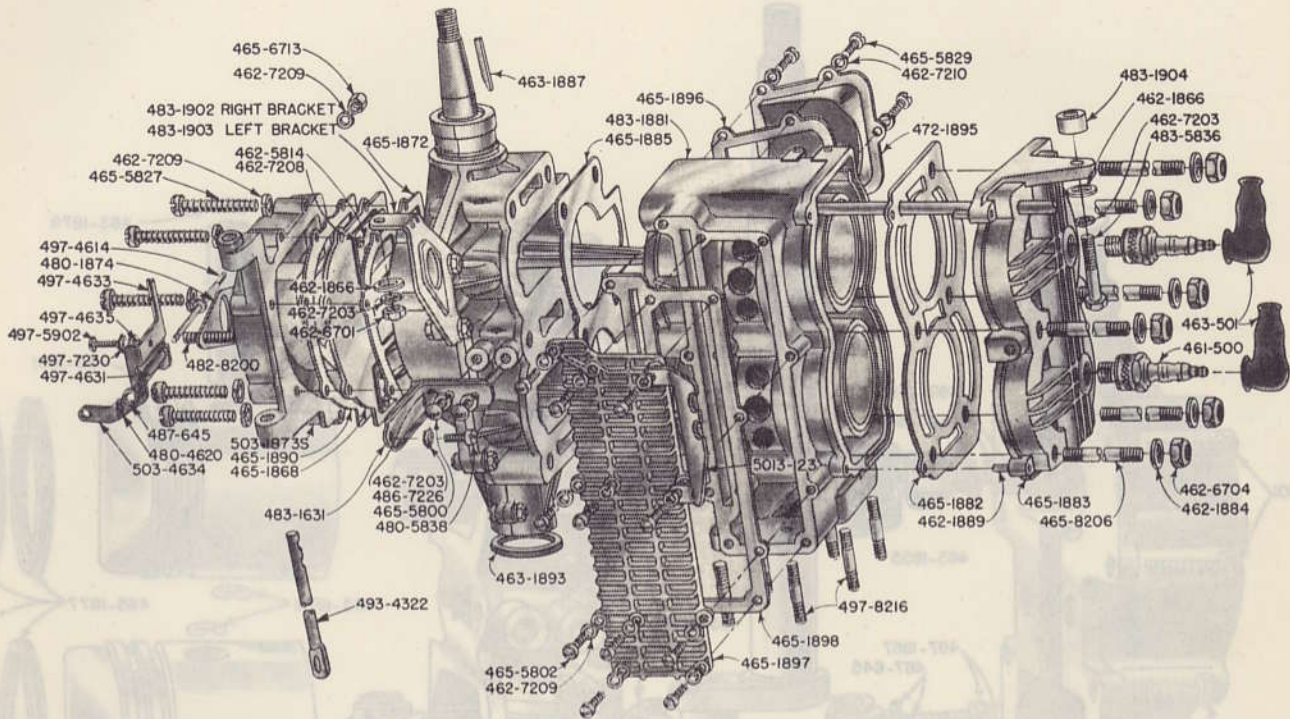
FUEL PUMP



Part Number	Description
508-1107	Pump Pressure Line
508-1108	Gas Line—Pump to Carburetor
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
483-1207	Gas Line Compression Elbow
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
508-5208	Bracket—Fuel Pump
462-5802	Screw—Bracket to Crankcase Flange
*508-6026	Screw—Fuel Pump Body

*Included in 508-5200 Assembly

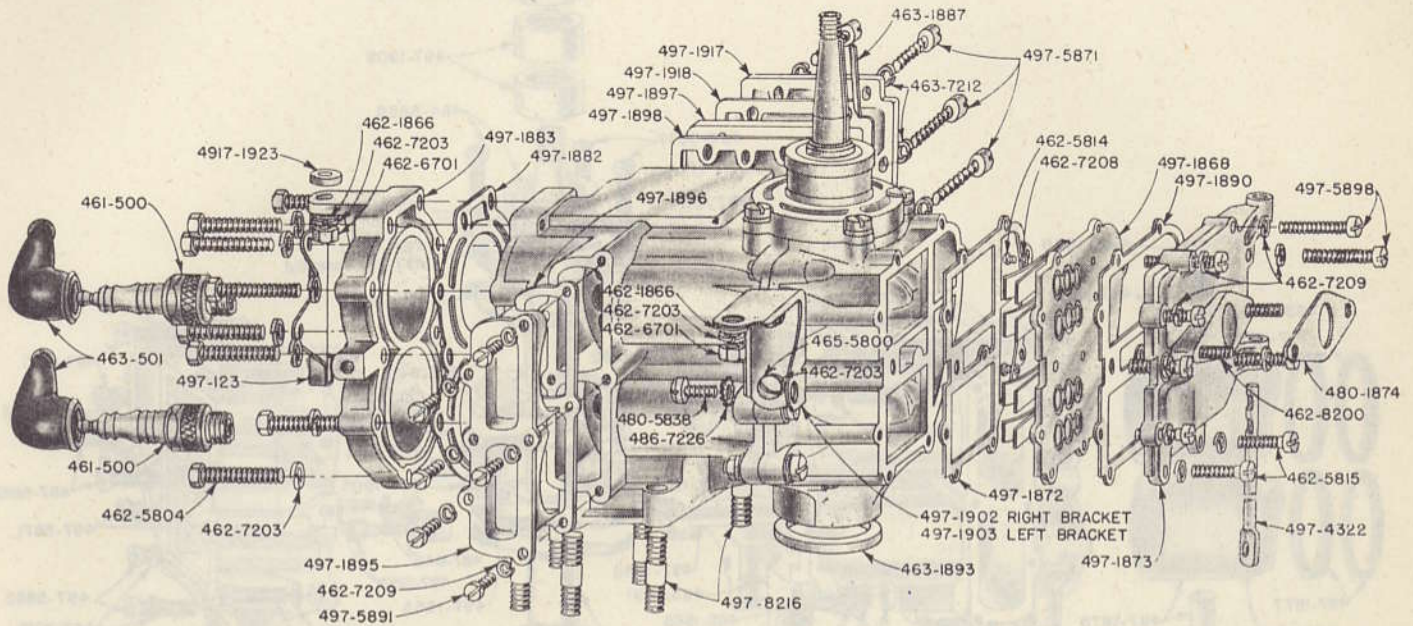
POWERHEAD 503



Part Number	Description
5013-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer—Synch. Control Shaft
483-1631	Gas Tank Skirt Bracket
462-1866	Gas Tank Bracket Washer
465-1868	Reed Valve Plate Assembly
465-1872	Reed Valve Plate Gasket
503-1873S	Intake Manifold
480-1874	Carburetor Flange Gasket
483-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
465-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate Gasket
483-1902	Bracket—Gas Tank Front R.H.
483-1903	Bracket—Gas Tank Front L.H.
483-1904	Spacer—Gas Tank Rear Mounting
493-4322	Limiting Rod
497-4614	Shaft—Synch. Control Follower
480-4620	Lock—Synch. Control Shaft
497-4631	Bearing—Synch. Control Follower

Part Number	Description
497-4633	Follower—Synch. Control
503-4634	Throttle—Actuator Arm
497-4635	Spring—Synchronous Control
483-5836	Screw—Gas Tank Mounting—Rear
480-5838	Screw—Gas Tank Skirt to Bracket
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Reed Valve Clamp
*462-5815	Screw—Intake Manifold Short
465-5827	Screw—Intake Manifold Long
465-5829	Screw—Intake Cover Plate
4913-5879	Screw—Limiting Rod Bracket
497-5902	Adjusting Screw—Synch. Control Follower
462-6701	Nut—Gas Tank Mounting Screw
462-6704	Locknut—Cylinder Head
465-6713	Nut—Synch. Control Shaft
462-7203	Lockwasher—1/4" Common
462-7208	Lockwasher—Reed Valve Clamp Screw
462-7209	Lockwasher—#10 Common
462-7210	Lockwasher—#8 Common
486-7226	Lock Washer—Synch. Control Follower
497-7230	Lockwasher—Gas Tank Skirt to Bracket
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange
461-8701	Synch. Control Cotter Pin
	*Not Illustrated

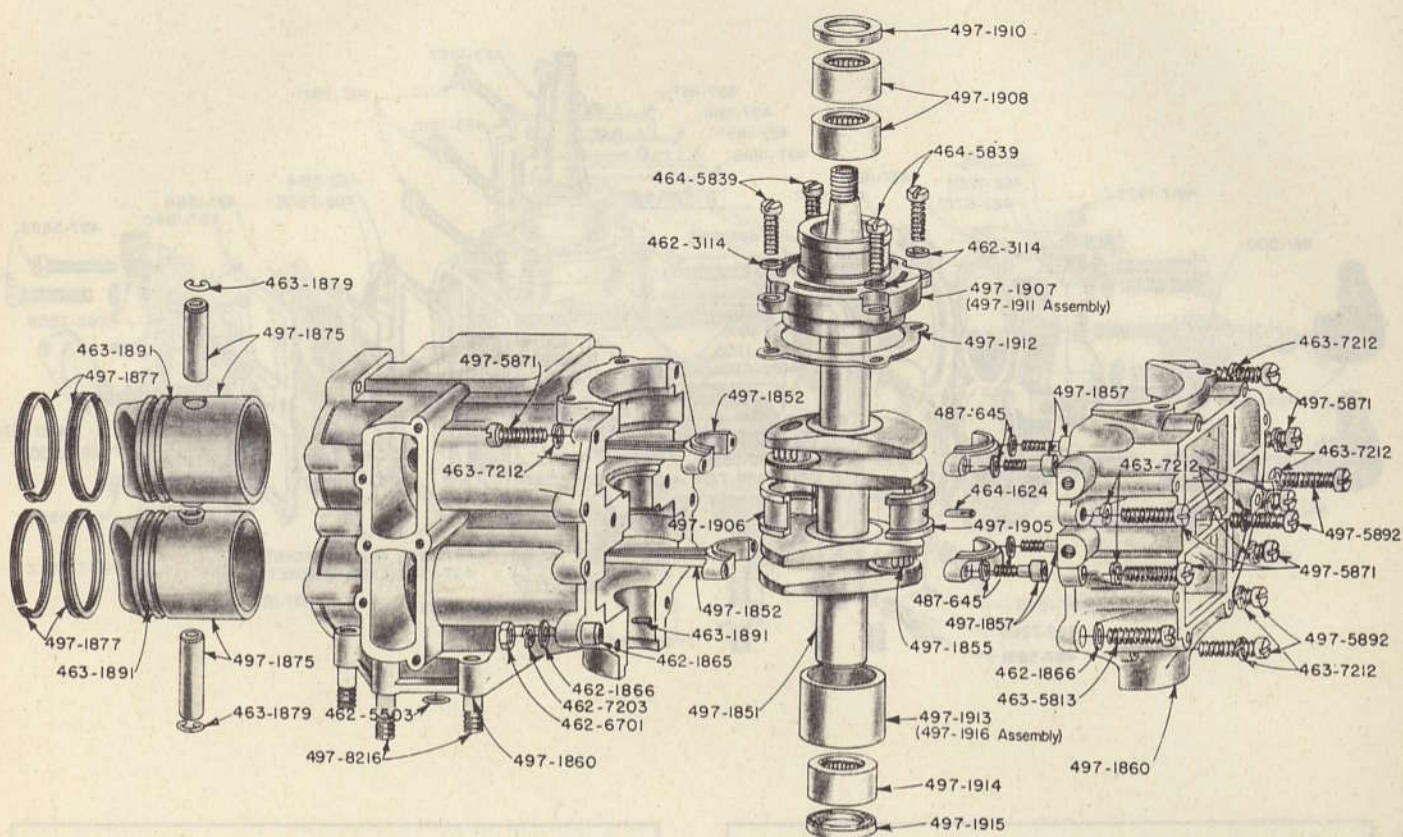
POWERHEAD 507



Part Number	Description
497-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Washer—Gas Tank Bracket
497-1868	Reed Valve Plate Assembly
497-1872	Valve Reed Plate Gasket
497-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
497-1883	Detachable Cylinder Head
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
497-1895	Intake Cover Plate
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust Cover Plate Gasket
497-1902	Gas Tank Bracket (RH)
497-1903	Gas Tank Bracket (LH)
497-1917	Water Cover Plate
497-1918	Gasket—Water Cover Plate
4917-1923	Spacer—Gas Tank (Rear)
497-4322	Limiter Rod
465-5800	Screw—Gas Tank Bracket to Powerhead

Part Number	Description
462-5804	Screw—Cylinder Head
462-5814	Screw—Valve Reed Clamp
462-5815	Screw—Intake Manifold—Short
480-5838	Screw—Gas Tank Skirt—Front
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
497-5901	Screw—Water Cover Plate (Not Shown)
462-6701	Nut—Gas Tank Mounting Screw
462-7203	Lockwasher—Gas Tank Bracket
462-7203	Lockwasher—Bracket Screw
462-7203	Lockwasher—Cylinder Head
462-7208	Lockwasher—Valve Reed Clamp Screw
462-7209	Lockwasher—Intake Manifold Screw
462-7209	Lockwasher—Intake Cover Plate Screw
463-7212	Lockwasher—Water Cover Plate
463-7212	Lockwasher—Flange and Bearing Screw
461-7220	Lockwasher—Water Cover Plate (Not Shown)
486-7226	Lockwasher—Skirt Mounting
462-8200	Carburetor Flange Stud
497-8216	Stud—Cylinder Exhaust Flange

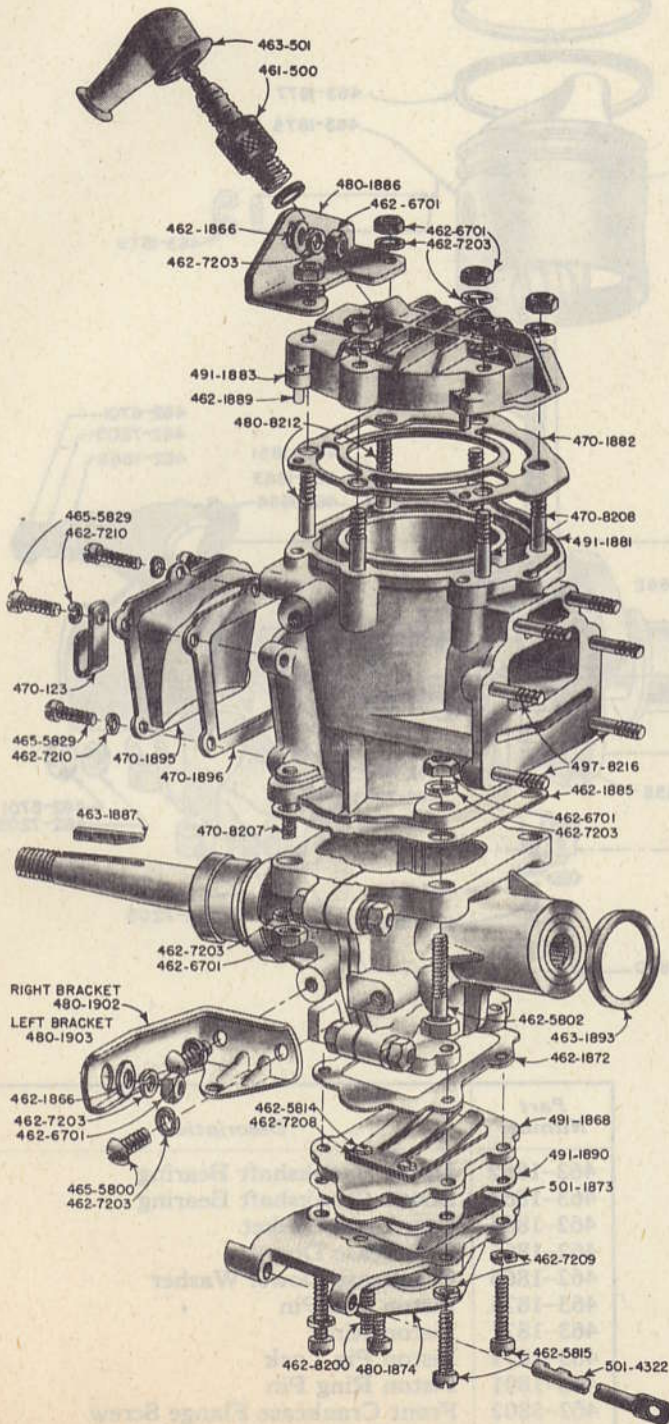
CRANKCASE 507



Part Number	Description
487-645	Connecting Rod Screw Washer
464-1624	Groove Pin—Bearing Retainer
497-1851	Crankshaft
497-1852	Connecting Rod Assembly
497-1855	Connecting Rod Crank Pin Roller (Set)
497-1857	Connecting Rod Screw
497-1860	Crankcase and Block Assembly
462-1865	Hollow Dowel
462-1866	Washer—Dowel Screw
497-1875	Piston Assembly
497-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
497-1905	Center Bearing—Front
497-1906	Center Bearing—Rear
497-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing—Magneto Mount
497-1910	Oil Seal—Magneto Mount
497-1911	Magneto Mount Assembly (includes 497-1907, 497-1908, 497-1910)

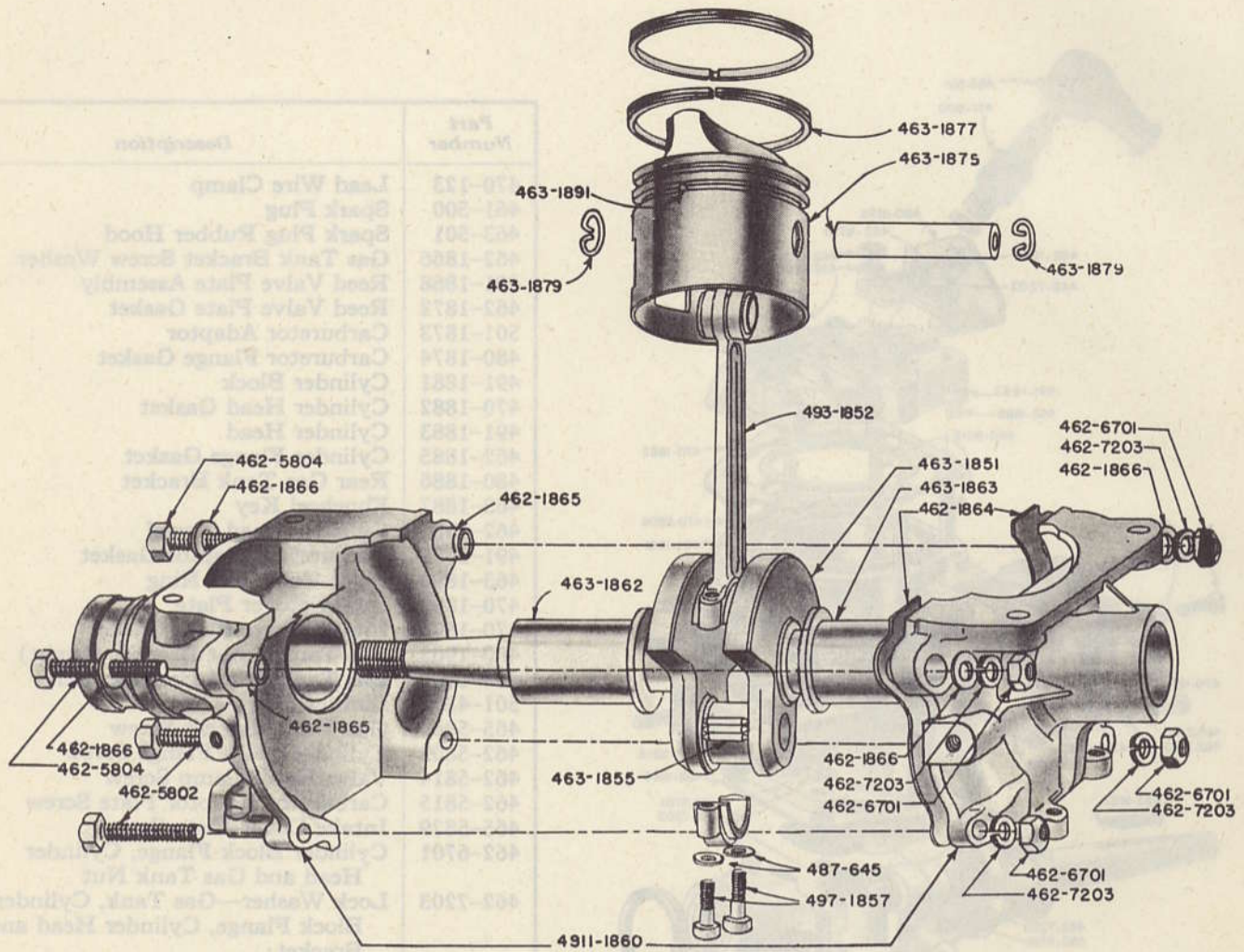
Part Number	Description
497-1912	Gasket—Mag. Mount Bearing Cage Retainer—Lower Crankshaft Bearing
497-1913	Needle Bearing—Lower Main
497-1914	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
462-3114	Washer—Magneto Mount Bearing Cage
462-5503	“O” Ring—Water Inlet
463-5813	Screw—Dowel
464-5839	Screw—Magneto Mount Bearing Cage
497-5871	Screw—Crankcase Flange
497-5892	Screw—Center and Lower Main Bearing
462-6701	Nut—Dowel Screw
462-7203	L.W.—Dowel
463-7212	L.W.—Flange and Bearing Screw
497-8216	Stud—Cylinder Exhaust Flange

POWERHEAD 501



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
491-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
501-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
480-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
491-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
480-1902	Gas Tank Front Bracket (Right)
480-1903	Gas Tank Front Bracket (Left)
501-4322	Limiter Rod
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Carburetor Adaptor Plate
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud
480-8212	Stud Upper Cylinder Head
497-8216	Cyl. Exhaust Flange Stud

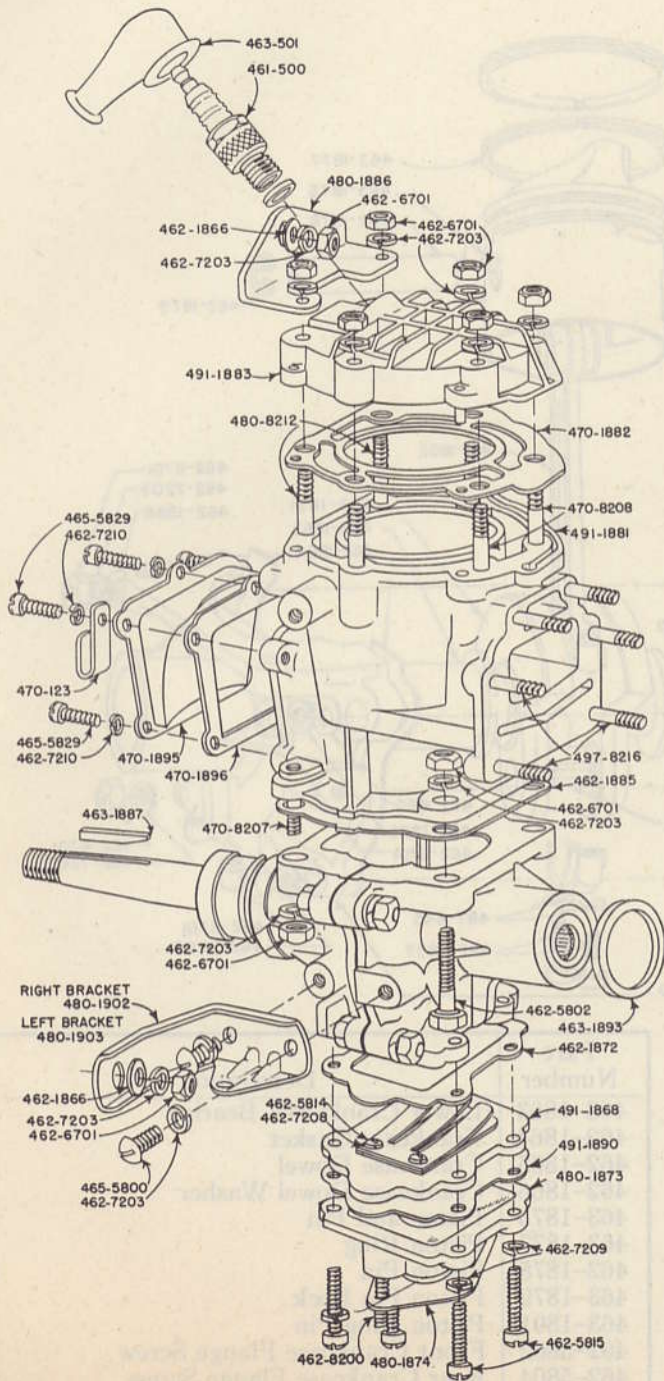
CRANKCASE 501



Part Number	Description
487-645	Connecting Rod Screw Washer
463-1851	Crankshaft
493-1852	Connecting Rod and Cap (Includes 463-1855, 487-645 and 497-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24)
	NOTE: When replacing rollers of a connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set)
497-1857	Connecting Rod Screw
4911-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)

Part Number	Description
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut

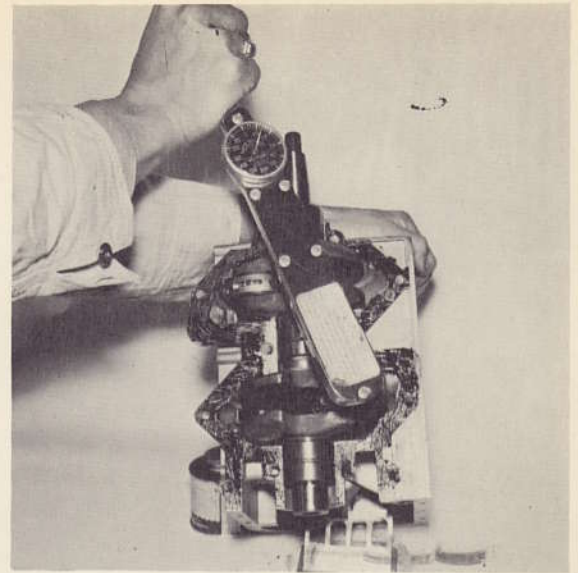
POWERHEAD 500



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
491-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
480-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
480-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
491-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
480-1902	Gas Tank Front Bracket (Right)
480-1903	Gas Tank Front Bracket (Left)
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Carburetor Adaptor Plate
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud
480-8212	Stud Upper Cylinder Head
497-8216	Stud Cylinder Exhaust Flange
481-1921	Complete Gasket Set—Less Carburetor Gaskets

6. Torque set the rod-cap screws to 160 lbs. The bearings and cages on the rods must rotate freely even after tightening.

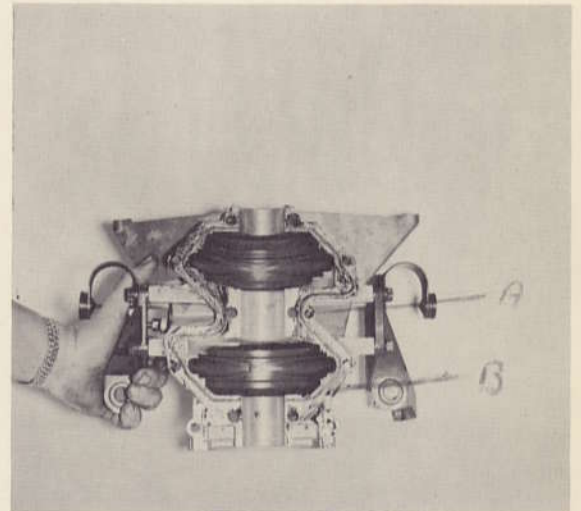
7. Apply Permatex #3 to both halves of the crankcase.



Torquing Rod Cap Screws

8. Insert new drain plug seal (A), and seal-line between crankcase halves (B).

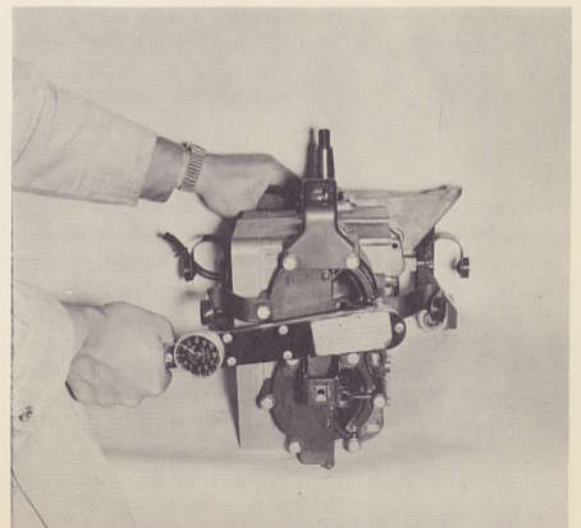
When assembled, and with intake cover plate off, rotate crankshaft in both directions to detect any possible signs of rubbing, binding, or the feeling of rollers skipping in a cage. The latter will indicate an incorrect number of rollers in a bearing (16 rollers per center main - 17 rollers per rod assembly), or a poor match between rod-body and cap, or bearing races.



Crankcase Seals

9. Replace the head, and torque the bolts to 150 lbs. Retighten the head bolts after a short run-in period.

Always use new gaskets and seals when completing any maintenance.



Torquing Head Bolts

30 HP TWIN CYLINDER

Construction of the 30 HP motor permits simplified access throughout for powerhead maintenance. Remove the complete powerhead simply by removing the 13 screws attaching the lower motor casing to the powerhead, the vertical speed control shaft, and the gas inlet line.

The upper and lower main bearings, and wrist pin bearings are caged rollers. The center-main and rod bearings are needle-roller bearings held in a cage. The bearing assemblies can be replaced individually.

The connecting rod caps are fractured for perfect fit, with each rod and cap a matched pair.

The crankcase and block are a matched set, and both must be replaced if damage occurs to either part.

TIPS FOR DISASSEMBLY

When removing intake manifold, there is 1 concealed screw located within the throat of the intake and 8 around the outside. The reed-valve plate gasket and intake manifold gasket are identical.

The shift limit beam must be disconnected at it's center pivoting location before removing intake cover plate.

When separating the crankcase halves, the 2 center main bearing screws are located within the intake in the front half of the case. These are exposed when the intake manifold and reed boxes are removed.

The wrist-pin floats in a needle bearing assembly in each side of the piston, and is press fit to the rod. To prevent piston distortion, it is necessary to support the connecting rod within the piston when removing, or inserting the wrist-pin. Place a 13/16" open end wrench around the pin on the under side of the rod - hold wrench and rod firmly, or clamp wrench in a vice - Insert punch into pin -- tap wrist-pin out or in with a hammer.



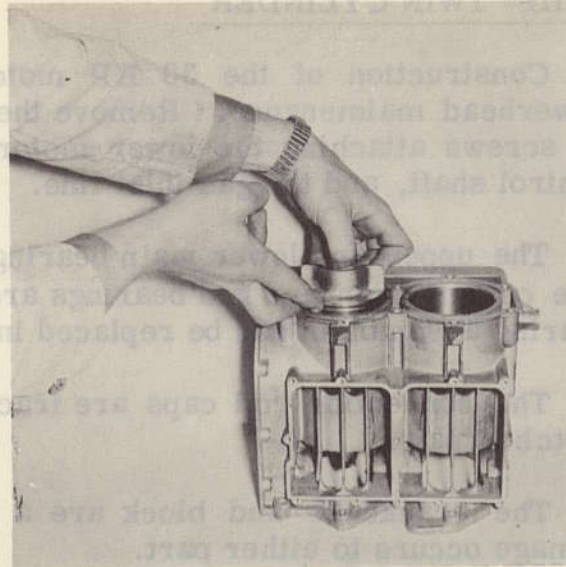
ASSEMBLY

1. With the rings on the pistons, compress the rings and fit pistons into the block with the baffle to the intake side of the block.

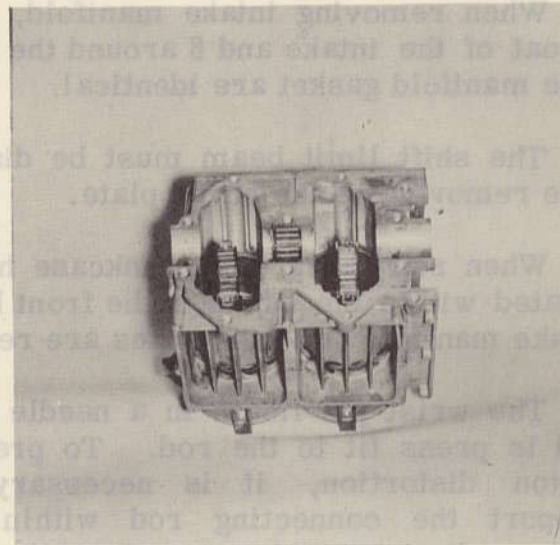
2. Set center main race, rollers, and cage in place. The rollers fit on the underside of the cage, or between cage and race - (16 rollers per center bearing assembly).

3. Assemble rod bearings in cage, and place on rods. (17 rollers per rod assembly). Use a soluble lubricant on all needle rollers.

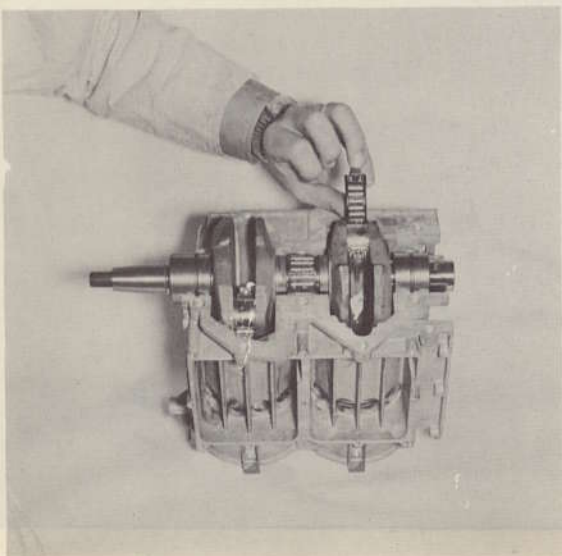
4. Slide the upper and lower main bearings onto the crankshaft with the oil seals to the outside. It is advisable to use a thin, smooth guide (such as shim stock) wrapped around the shaft. This will prevent any possible damage to the bearing seals.



Inserting Piston in Block

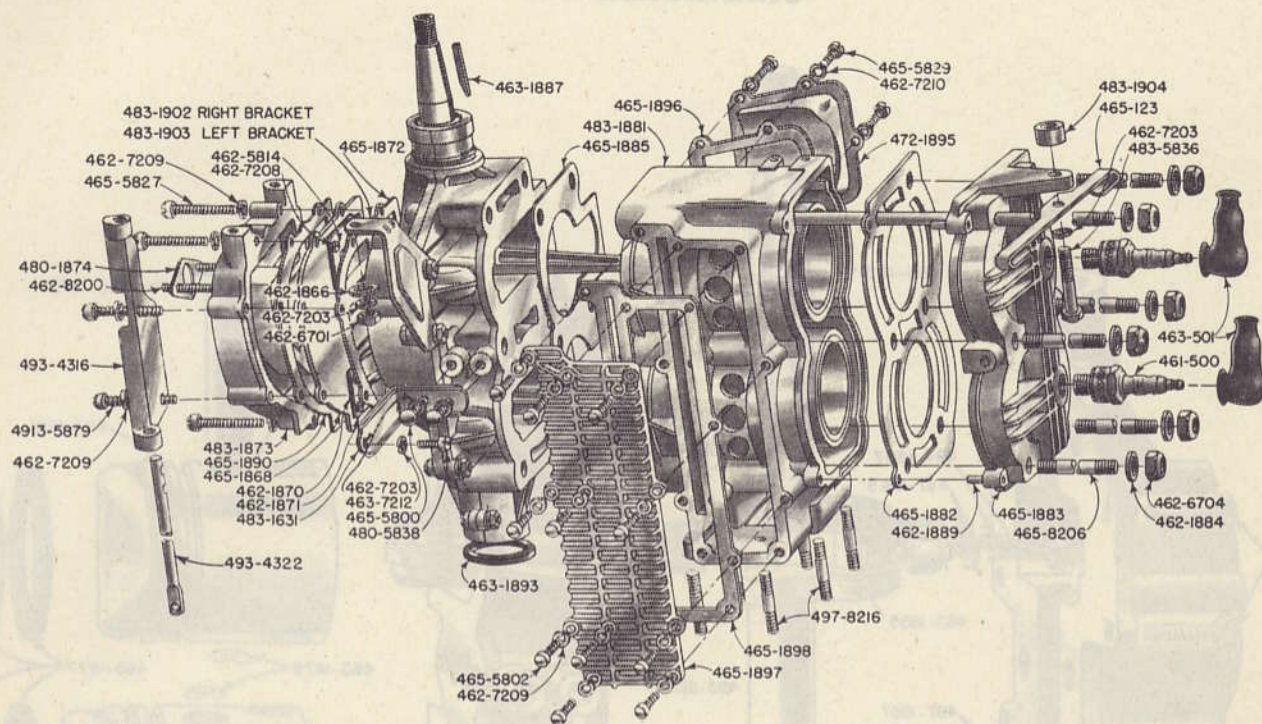


Center Main and Rod Bearings



Assemble Rod Caps and Mains

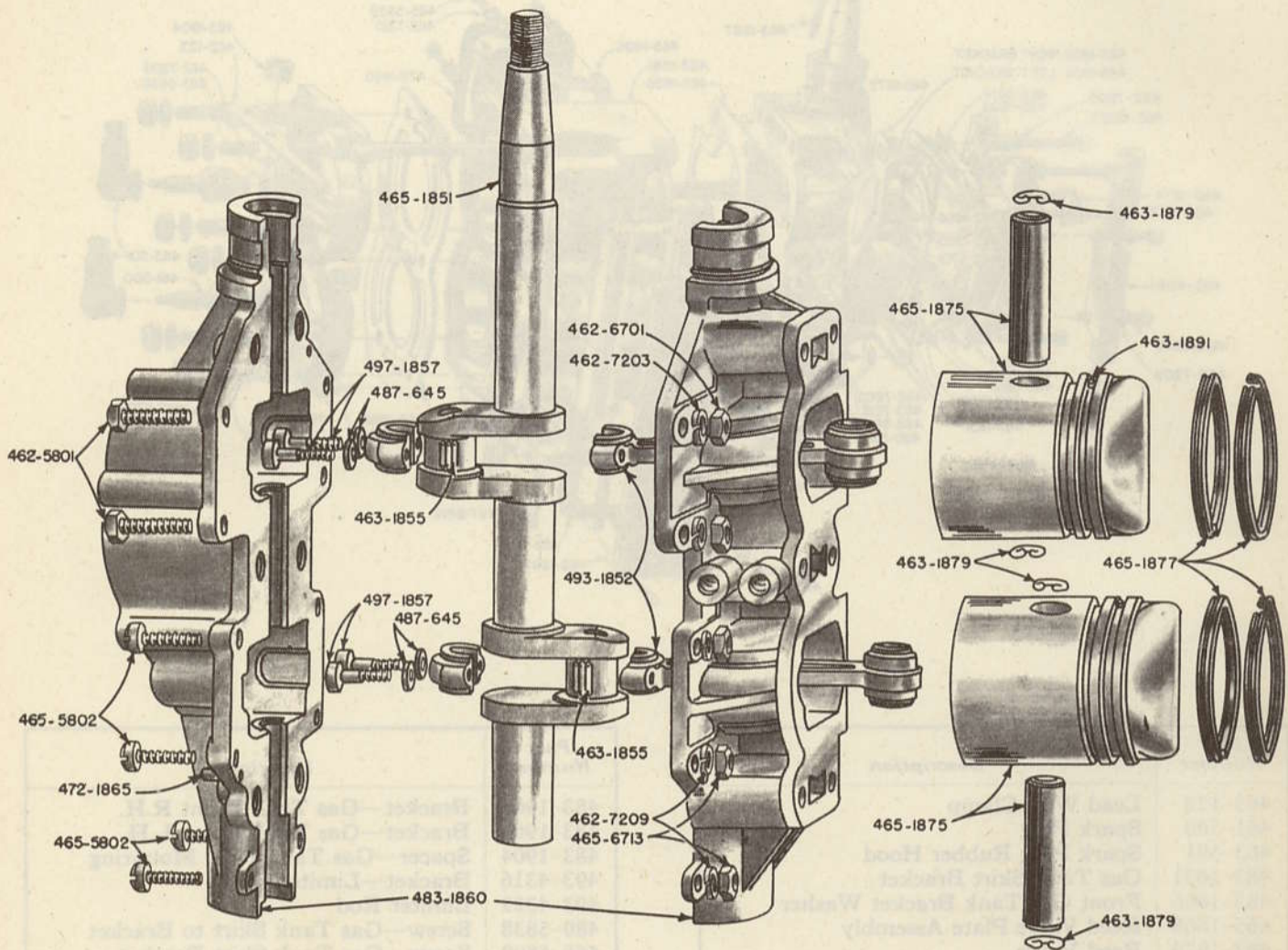
POWERHEAD 493



Part Number	Description
465-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
483-1631	Gas Tank Skirt Bracket
462-1866	Front Gas Tank Bracket Washer
465-1868	Reed Valve Plate Assembly
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
483-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
483-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
465-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate Gasket

Part Number	Description
483-1902	Bracket—Gas Tank Front R.H.
483-1903	Bracket—Gas Tank Front L.H.
483-1904	Spacer—Gas Tank Rear Mounting
493-4316	Bracket—Limiter Rod
493-4322	Limiter Rod
480-5838	Screw—Gas Tank Skirt to Bracket
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Reed Valve Clamp
*462-5815	Screw—Intake Manifold Short
465-5827	Screw—Intake Manifold Long
465-5829	Screw—Intake Cover Plate
4913-5879	Screw—Limiter Rod Bracket
462-6701	Nut—Gas Tank Mounting Screw
462-6704	Locknut—Cylinder Head
462-7203	Lockwasher— $\frac{1}{4}$ " Common
462-7208	Lockwasher—Reed Valve Clamp Screw
462-7209	Lockwasher—#10 Common
462-7210	Lockwasher—#8 Common
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange
461-8701	Synch. Control Cotter Pin
	*Not Illustrated

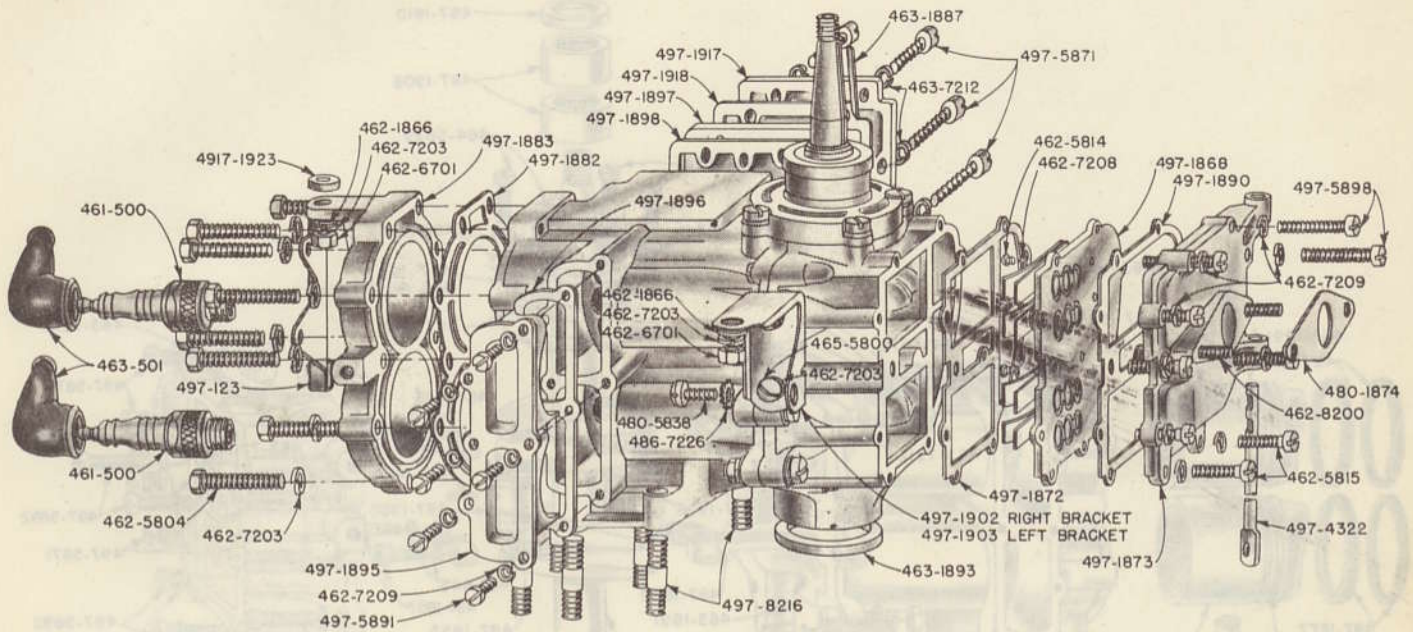
CRANKCASE 493



Part Number	Description
487-645	Connecting Rod Screw Washer
465-1851	Crankshaft
493-1852	Connecting Rod Assembly (Includes 463-1855, 487-645 and 497-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
497-1857	Connecting Rod Screw *Sold in sets only, to maintain uniformity.

Part Number	Description
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange Screw Nut

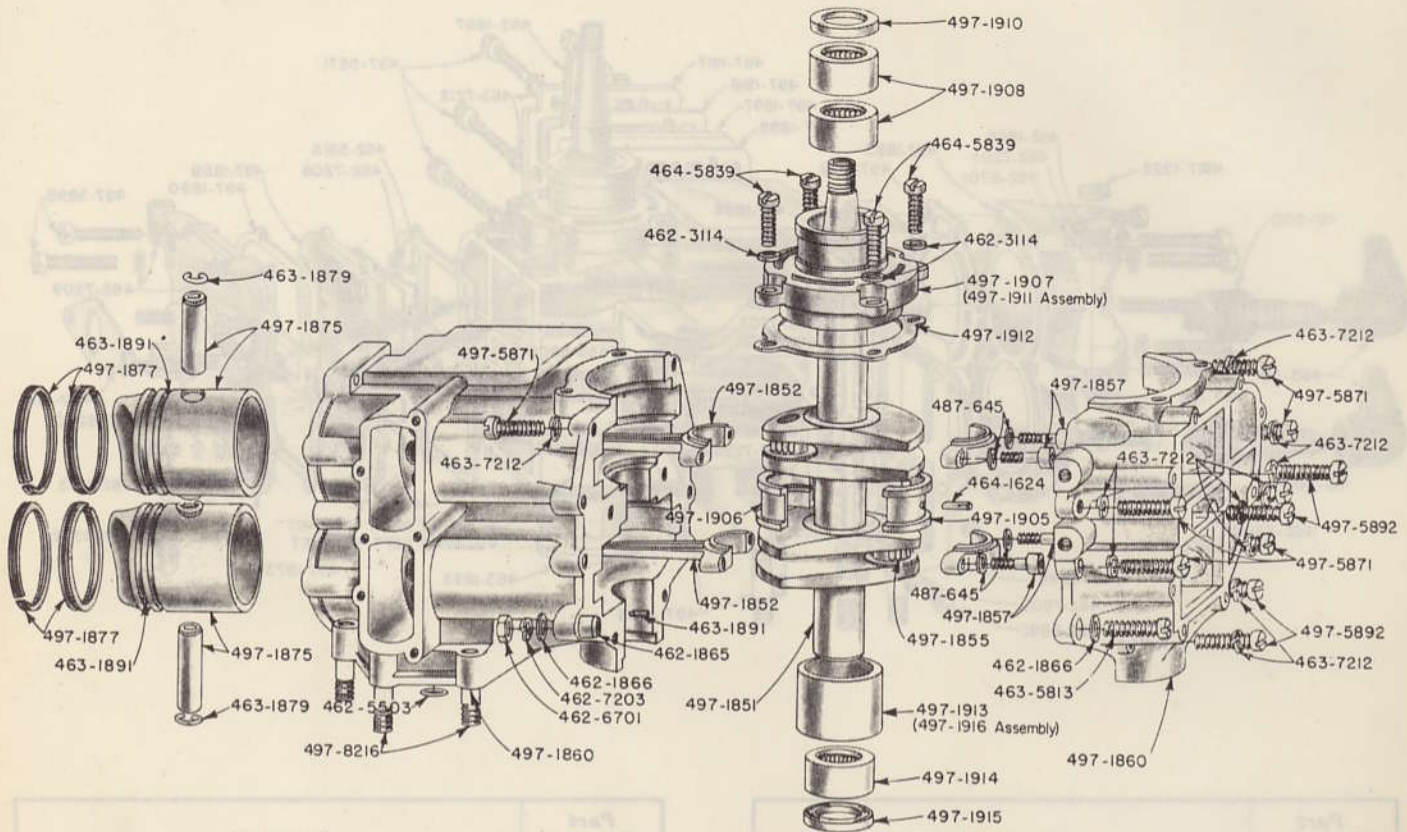
POWERHEAD 497



Part Number	Description
497-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Washer—Gas Tank Bracket
497-1868	Reed Valve Plate Assembly
497-1872	Valve Reed Plate Gasket
497-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
497-1883	Detachable Cylinder Head
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
497-1895	Intake Cover Plate
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust Cover Plate Gasket
497-1902	Gas Tank Bracket (RH)
497-1903	Gas Tank Bracket (LH)
497-1917	Water Cover Plate
497-1918	Gasket—Water Cover Plate
4917-1923	Spacer—Gas Tank (Rear)
497-4322	Limit Rod
465-5800	Screw—Gas Tank Bracket to Powerhead

Part Number	Description
462-5804	Screw—Cylinder Head
462-5814	Screw—Valve Reed Clamp
462-5815	Screw—Intake Manifold—Short
480-5838	Screw—Gas Tank Skirt—Front
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
497-5901	Screw—Water Cover Plate (Not Shown)
462-6701	Nut—Gas Tank Mounting Screw
462-7203	Lockwasher—Gas Tank Bracket
462-7203	Lockwasher—Bracket Screw
462-7203	Lockwasher—Cylinder Head
462-7208	Lockwasher—Valve Reed Clamp Screw
462-7209	Lockwasher—Intake Manifold Screw
462-7209	Lockwasher—Intake Cover Plate Screw
463-7212	Lockwasher—Water Cover Plate
463-7212	Lockwasher—Flange and Bearing Screw
461-7220	Lockwasher—Water Cover Plate (Not Shown)
486-7226	Lockwasher—Skirt Mounting
462-8200	Carburetor Flange Stud
497-8216	Stud—Cylinder Exhaust Flange

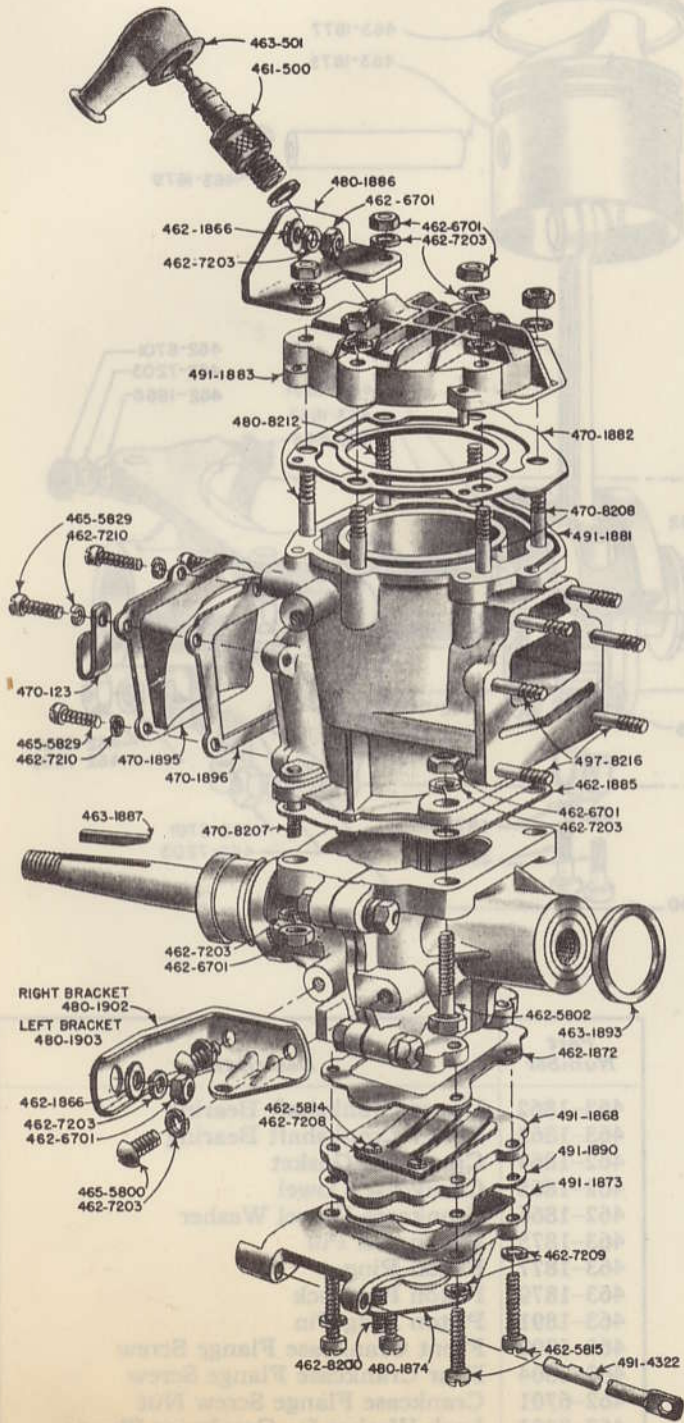
CRANKCASE 497



Part Number	Description
487-645	Connecting Rod Screw Washer
464-1624	Groove Pin—Bearing Retainer
497-1851	Crankshaft
497-1852	Connecting Rod Assembly
497-1855	Connecting Rod Crank Pin Roller (Set)
497-1857	Connecting Rod Screw
497-1860	Crankcase and Block Assembly
462-1865	Hollow—Dowel
462-1866	Washer—Dowel Screw
497-1875	Piston Assembly
497-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
497-1905	Center Bearing—Front
497-1906	Center Bearing—Rear
497-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing—Magneto Mount
497-1910	Oil Seal—Magneto Mount
497-1911	Magneto Mount Assembly (includes 497-1907, 497-1908, 497-1910)

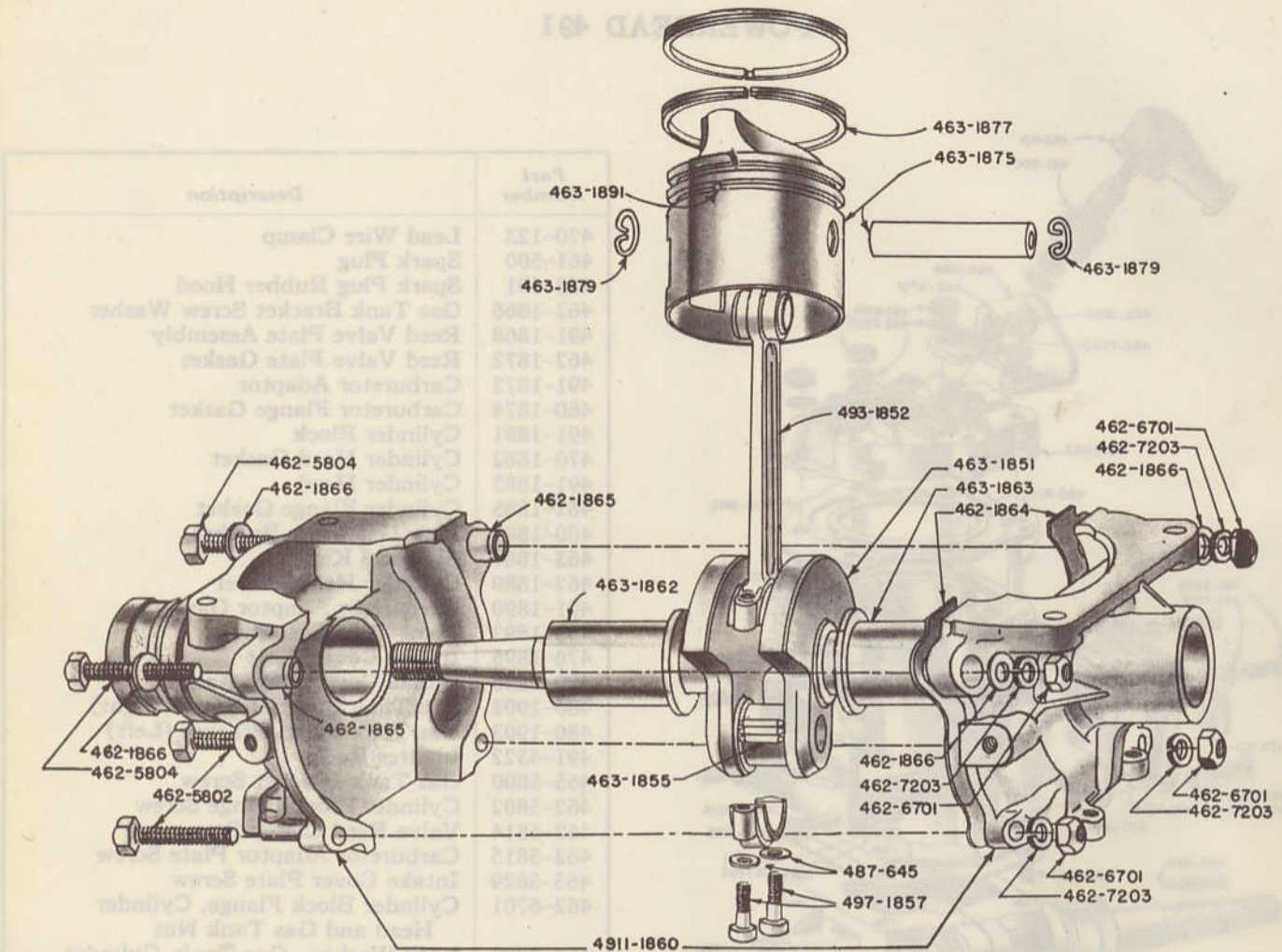
Part Number	Description
497-1912	Gasket—Mag. Mount Bearing Cage
497-1913	Retainer—Lower Crankshaft Bearing
497-1914	Needle Bearing
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
462-3114	Washer—Magneto Mount Bearing Cage
462-5503	“O” Ring—Water Inlet
463-5813	Screw—Dowel
464-5839	Screw—Magneto Mount Bearing Cage
497-5871	Screw—Crankcase Flange
497-5892	Screw—Center and Lower Main Bearing
462-6701	Nut—Dowel Screw
462-7203	L.W.—Dowel
463-7212	L.W.—Flange and Bearing Screw
497-8216	Stud—Cylinder Exhaust Flange

POWERHEAD 491



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
491-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
491-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
480-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
491-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
480-1902	Gas Tank Front Bracket (Right)
480-1903	Gas Tank Front Bracket (Left)
491-4322	Limiter Rod
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Carburetor Adaptor Plate
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud
480-8212	Stud Upper Cylinder Head
497-8216	Cyl. Exhaust Flange Stud

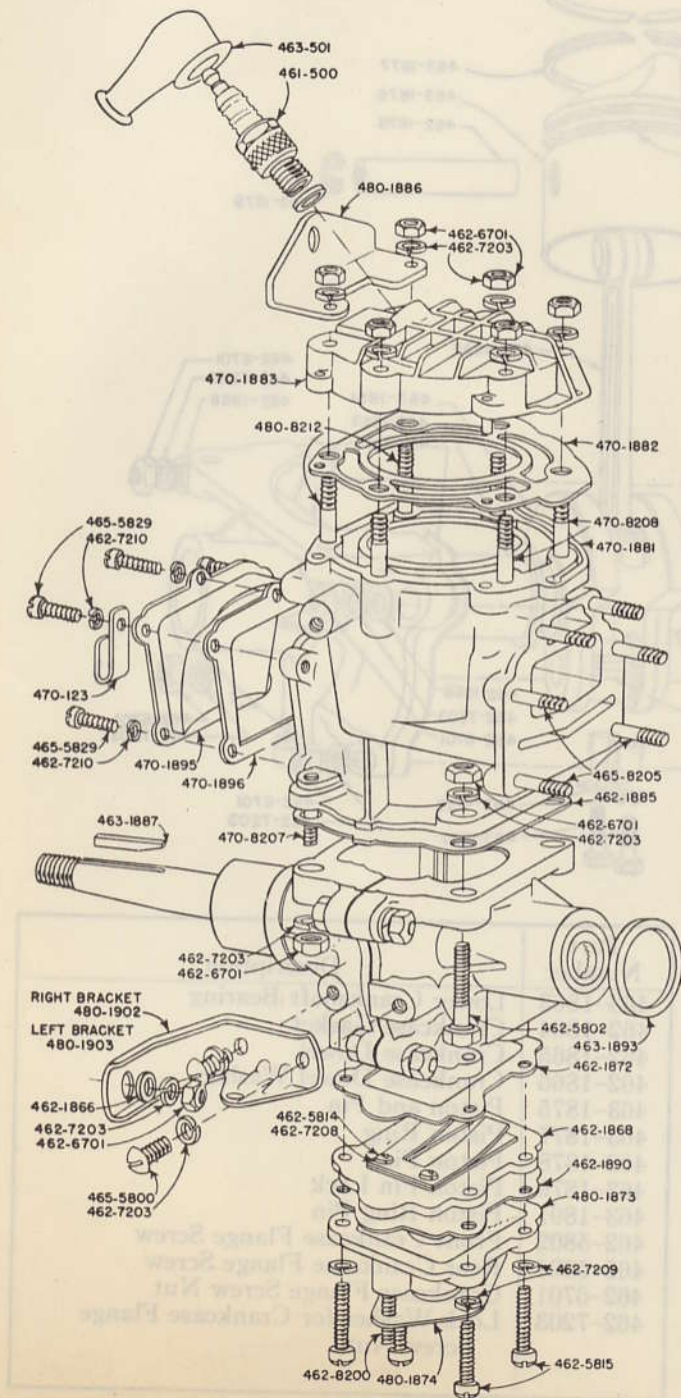
CRANKCASE 491



Part Number	Description
463-1851	Crankshaft
493-1852	Connecting Rod and Cap (Includes 463-1855, 487-645 and 497-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24)
	NOTE: When replacing rollers of a connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set)
497-1857	Connecting Rod Screw
487-645	Connecting Rod Screw Lock
4911-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)

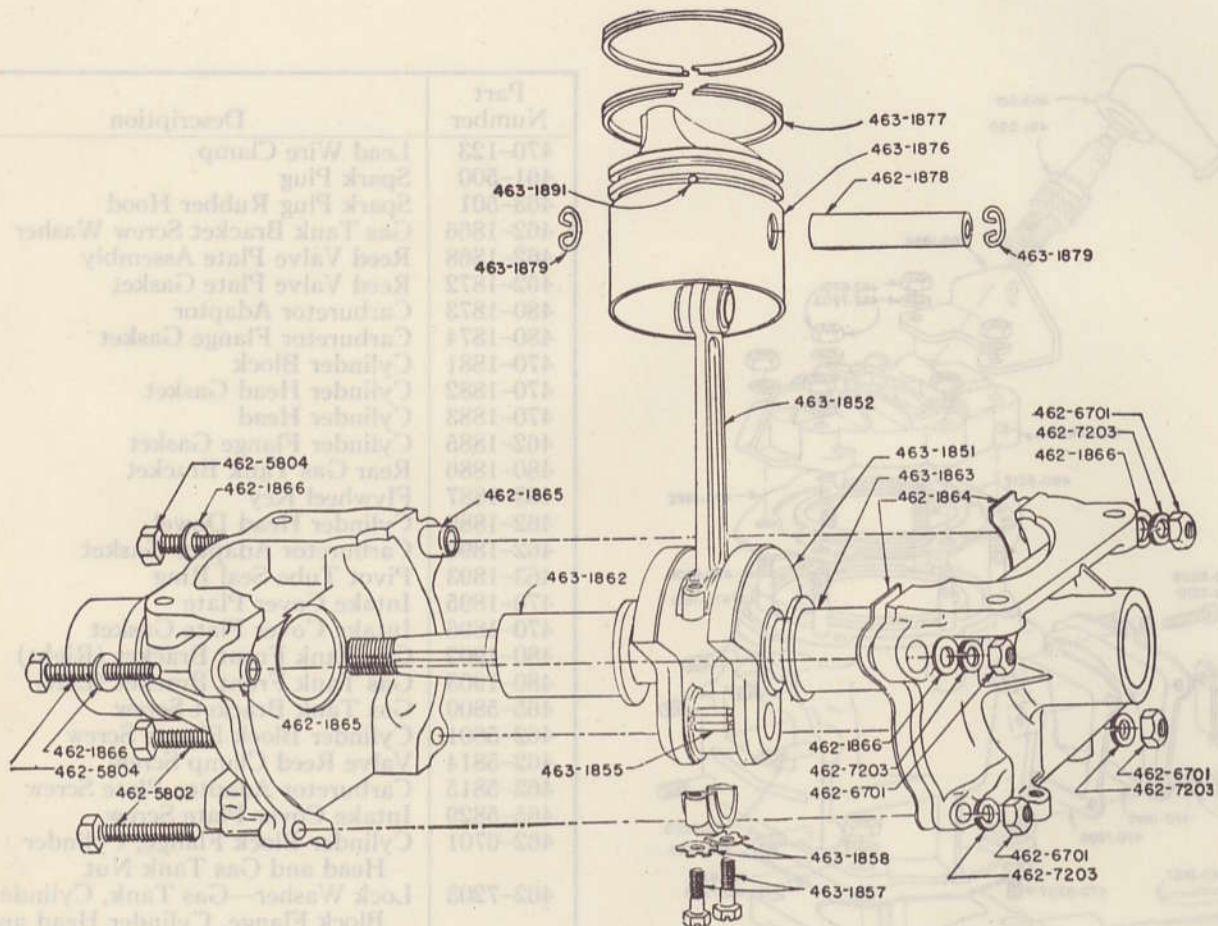
Part Number	Description
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut

POWERHEAD 480 - 481



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
462-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
480-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
470-1881	Cylinder Block
470-1882	Cylinder Head Gasket
470-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
480-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
462-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
480-1902	Gas Tank Front Bracket (Right)
480-1903	Gas Tank Front Bracket (Left)
465-5800	Gas Tank Bracket Screw
462-5801	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Carburetor Adaptor Plate
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Flange Stud
465-8205	Stud Cylinder Exhaust Flange
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud
480-8212	Stud Upper Cylinder Head

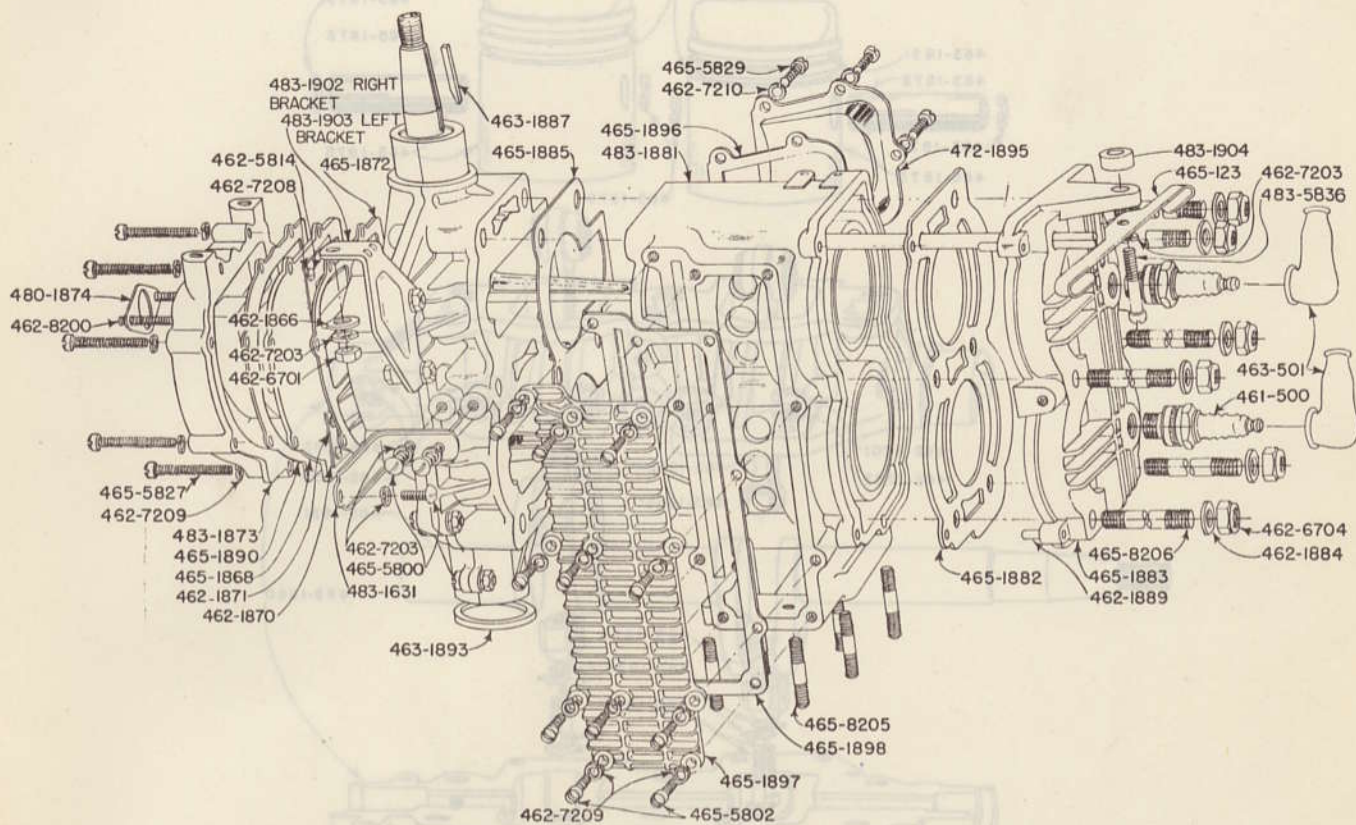
CRANKCASE 480 - 481



Part Number	Description
463-1851	Crankshaft
463-1852	Connecting Rod & Cap (Includes 463-1855, 463-1858 & 463-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24) Note: When replacing rollers of a Connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set)
463-1857	Connecting Rod Screw
463-1858	Connecting Rod Screw Lock
470-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)
463-1862	Upper Crankshaft Bearing

Part Number	Description
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
462-1878	Piston Pin
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut

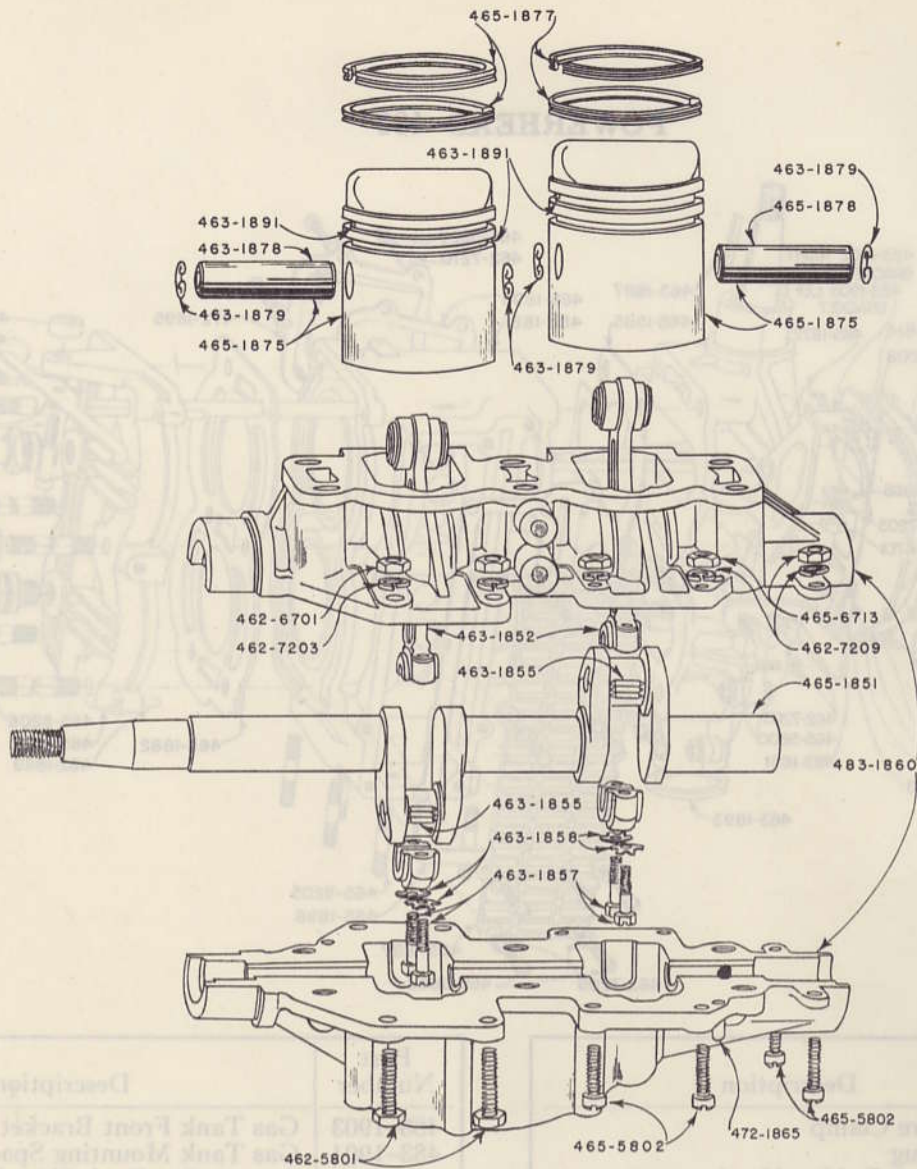
POWERHEAD 483



Part Number	Description
465-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
483-1631	Gas Tank Skirt Bracket
462-1866	Gas Tank Bracket Washer (Front)
465-1868	Reed Valve Plate Assembly
465-1872	Valve Reed Plate Gasket
483-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
483-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cylinder Head
462-1884	Detachable Cylinder Head Washer
465-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
465-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate Gasket
483-1902	Gas Tank Front Bracket (Right)

Part Number	Description
483-1903	Gas Tank Front Bracket (Left)
483-1904	Gas Tank Mounting Spacer (Rear)
465-5800	Screw—Gas Tank Skirt Front Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Valve Reed Clamp Screw
462-5815	Intake Manifold Screw (short)
465-5827	Intake Manifold Screw (long)
465-5829	Intake Cover Plate Screw
483-5836	Screw—Gas Tank Mounting (Rear)
462-6701	Nut—Gas Tank Mounting Screw
462-6704	Lock Nut—Cylinder Head
462-7203	Lock Washer—Gas Tank Mounting
462-7203	Lock Washer—Gas Tank Skirt Mounting Screw
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Intake Manifold
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Stud
465-8205	Stud—Cylinder Exhaust Flange
465-8206	Stud—Cylinder Block
462-7209	Lock Washer—Exhaust Cover Plate Screw

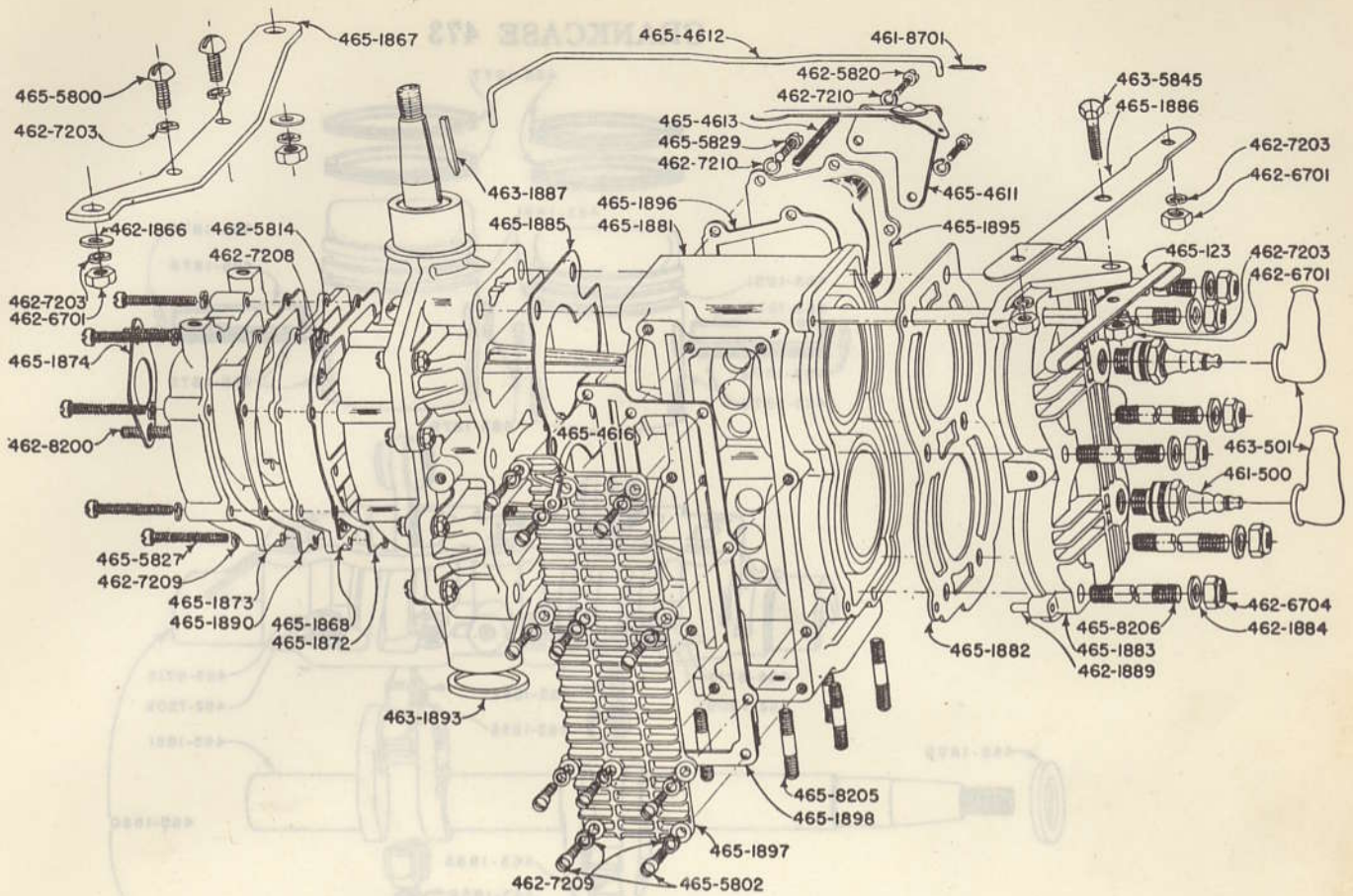
CRANKCASE 483



Part Number	Description
465-1851	Crankshaft
463-1852	Connecting Rod Assembly (Includes 463-1855, 463-1858 and 463-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
463-1857	Connecting Rod Screw
463-1858	Connecting Rod Screw Lock
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
*Sold in sets only, to maintain uniformity	

Part Number	Description
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
465-1878	Piston Pin
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw (Long)—Crankcase Flange
465-5802	Screw (Short)—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw (Long)
465-6713	Nut—Crankcase Flange Screw (Short)
462-7203	Lockwasher—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange
	Screw (Long) Nut
	Screw (Short) Nut

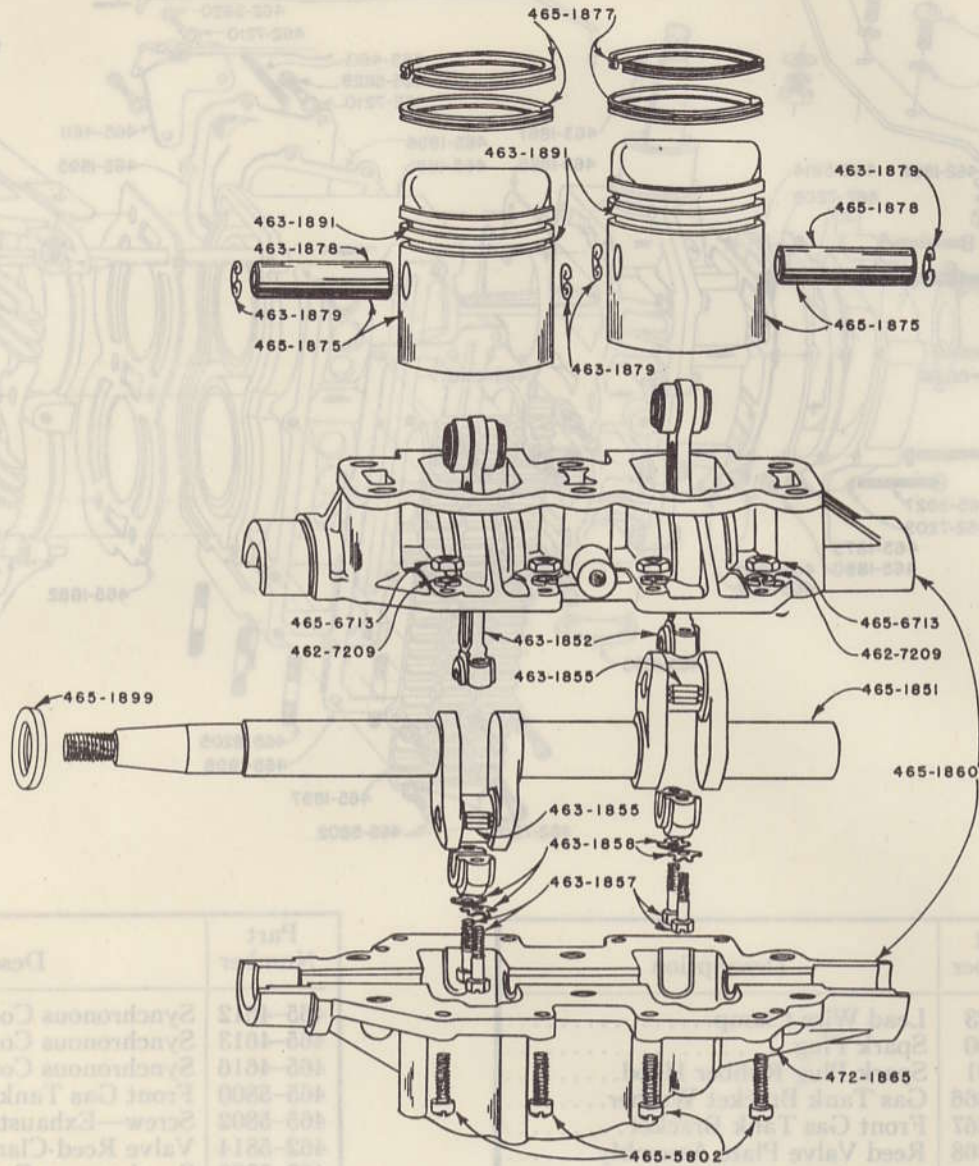
POWERHEAD 473



Part Number	Description
465-123	Lead Wire Clamp.....
461-500	Spark Plug.....
463-501	Spark Plug Rubber Hood.....
462-1866	Gas Tank Bracket Washer.....
465-1867	Front Gas Tank Bracket.....
465-1868	Reed Valve Plate Assembly..... (Exchange at \$1.00)
465-1872	Valve Reed Plate Gasket.....
465-1873	Intake Manifold.....
465-1874	Carburetor Flange Gasket.....
465-1881	Cylinder Block.....
465-1882	Cylinder Head Gasket.....
465-1883	Detachable Cylinder Head.....
462-1884	Detachable Cylinder Head Washer.....
465-1885	Cylinder Flange Gasket.....
465-1886	Rear Gas Tank Bracket.....
463-1887	Flywheel Key.....
462-1889	Cylinder Head Dowel.....
465-1890	Intake Manifold Gasket.....
463-1893	Pivot Tube Seal Ring.....
465-1895	Intake Cover Plate.....
465-1896	Intake Cover Plate Gasket.....
465-1897	Exhaust Cover Plate.....
465-1898	Exhaust Cover Plate Gasket.....
465-4611	Synchronous Control Lever and Bracket Assembly.....

Part Number	Description
465-4612	Synchronous Control Link.....
465-4613	Synchronous Control Lever Spring.....
465-4616	Synchronous Control Spring Lug.....
465-5800	Front Gas Tank Bracket Screw.....
465-5802	Screw—Exhaust Cover Plate.....
462-5814	Valve Reed Clamp Screw.....
462-5820	Synchronous Control Bracket Screw (2).....
465-5827	Intake Manifold Screw (long).....
462-5815	Intake Manifold Screw (short).....
465-5829	Intake Cover Plate Screw.....
463-5845	Gas Tank Rear Bracket Mounting Screw.....
462-6701	Gas Tank Bracket Nut.....
462-6704	Lock Nut—Cylinder Head.....
462-7203	Lock Washer— $\frac{1}{4}$ " Common.....
462-7208	Lock Washer—Valve Reed Clamp Screw.....
462-7209	Lock Washer—#10 Common.....
462-7210	Lock Washer—#8 Common.....
462-8200	Carburetor Stud.....
465-8205	Stud—Cylinder Exhaust Flange.....
465-8206	Stud—Cylinder Block.....
461-8701	Synchronous Control Cotter Pin.....

CRANKCASE 473

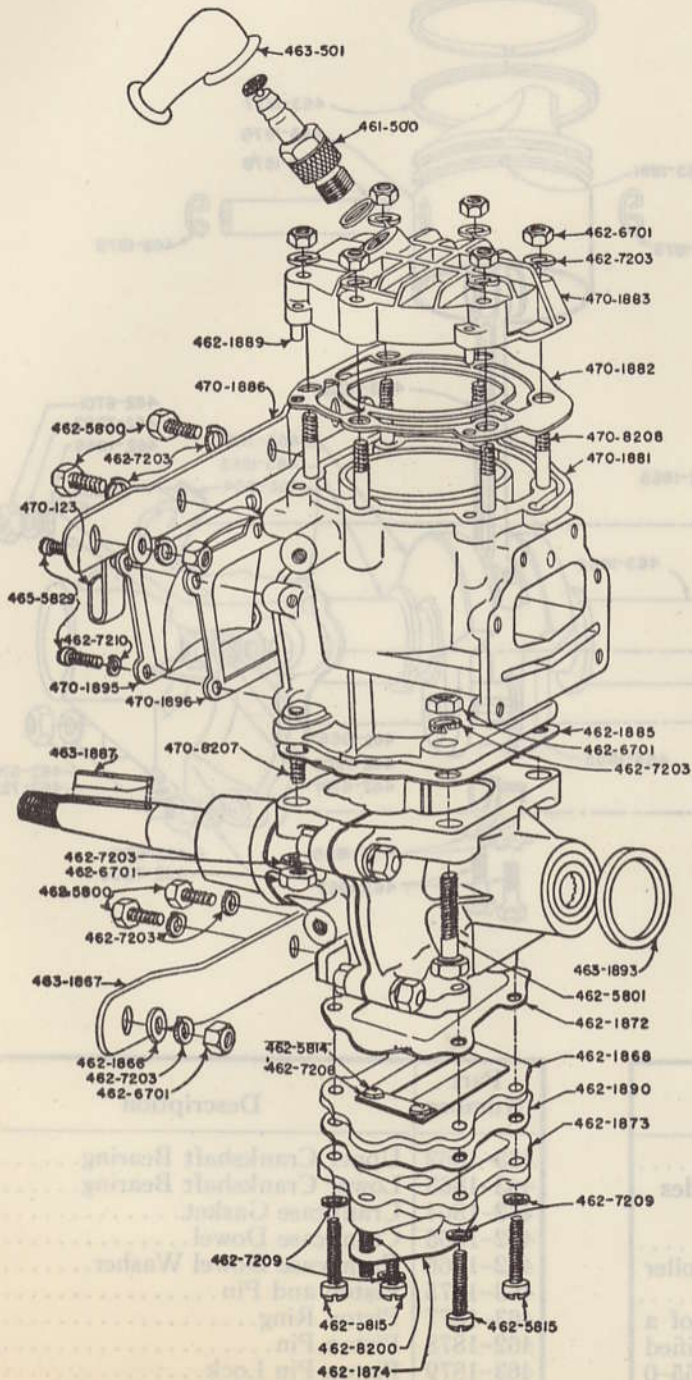


Part Number	Description
465-1851	Crankshaft.....
463-1852	Connecting Rod Assembly (Includes 463-1855, 463-1858 and 463-1857).....
*463-1855	Connecting Rod Crank Pin Roller Set (24).....
	NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set).....
463-1857	Connecting Rod Screw.....
463-1858	Connecting Rod Screw Lock.....
465-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings).....

*Sold in sets only, to maintain uniformity

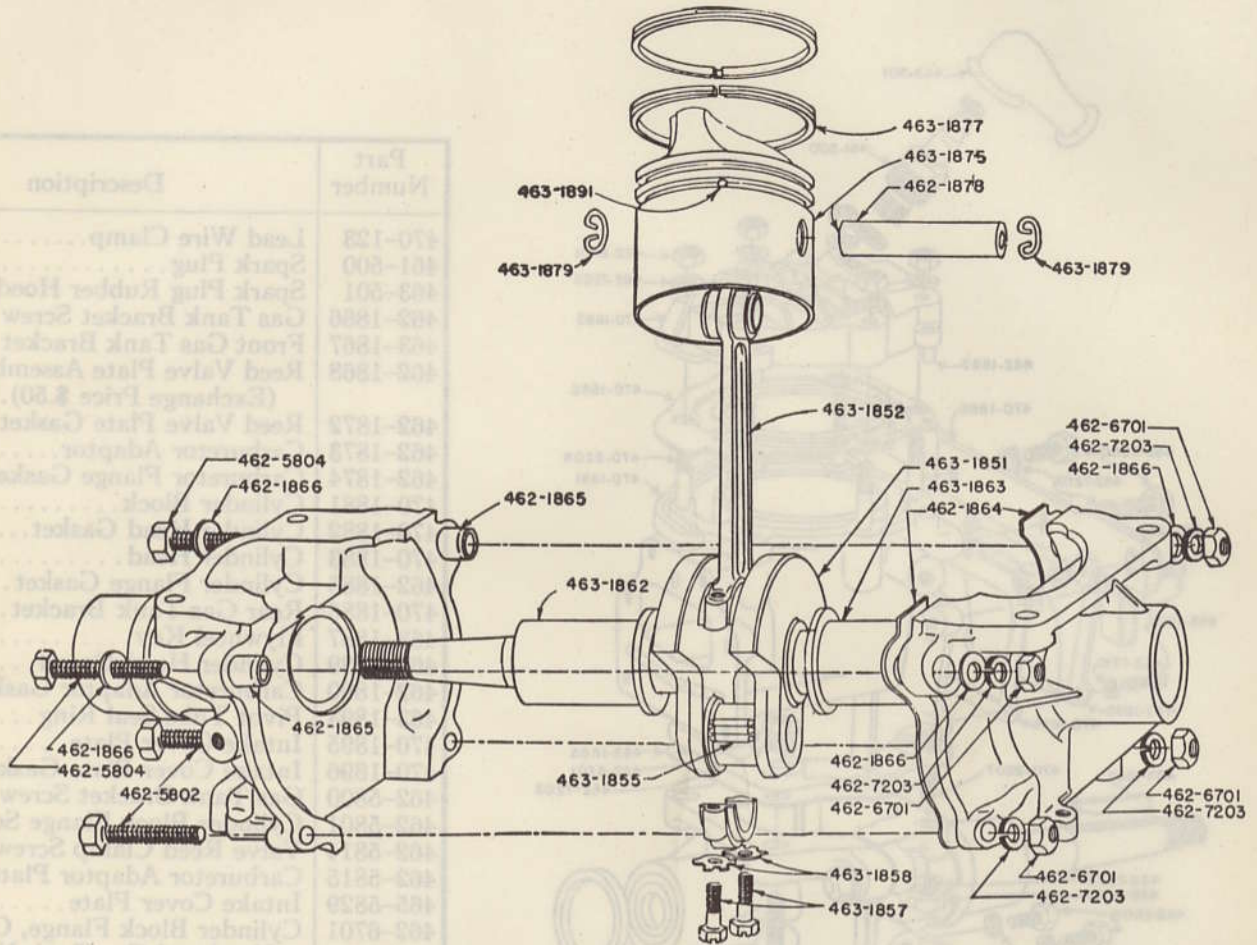
Part Number	Description
472-1865	Crankcase Dowel.....
465-1875	Piston and Pin.....
465-1877	Piston Ring.....
465-1878	Piston Pin.....
463-1879	Piston Pin Lock.....
463-1891	Piston Ring Pin.....
465-1899	Oil Seal—Upper Crankcase Bearing.....
465-5802	Screw—Crankcase Flange.....
465-6713	Nut—Crankcase Flange Screw.....
462-7209	Lock Washer—Crankcase Flange Screw Nut.....

POWER HEAD 470-471



Part Number	Description
470-123	Lead Wire Clamp.....
461-500	Spark Plug.....
463-501	Spark Plug Rubber Hood.....
462-1866	Gas Tank Bracket Screw Washer..
463-1867	Front Gas Tank Bracket.....
462-1868	Reed Valve Plate Assembly (Exchange Price \$.50).....
462-1872	Reed Valve Plate Gasket.....
462-1873	Carburetor Adaptor.....
462-1874	Carburetor Flange Gasket.....
470-1881	Cylinder Block.....
470-1882	Cylinder Head Gasket.....
470-1883	Cylinder Head.....
462-1885	Cylinder Flange Gasket.....
470-1886	Rear Gas Tank Bracket.....
463-1887	Flywheel Key.....
462-1889	Cylinder Head Dowel.....
462-1890	Carburetor Adaptor Gasket.....
463-1893	Pivot Tube Seal Ring.....
470-1895	Intake Cover Plate.....
470-1896	Intake Cover Plate Gasket.....
462-5800	Gas Tank Bracket Screw.....
462-5801	Cylinder Block Flange Screw.....
462-5814	Valve Reed Clamp Screw.....
462-5815	Carburetor Adaptor Plate Screw..
465-5829	Intake Cover Plate.....
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut.....
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket.....
462-7208	Lock Washer—Valve Reed Clamp Screw.....
462-7209	Lock Washer—Carburetor Adaptor Plate.....
462-7210	Lock Washer—Intake Cover Plate..
462-8200	Carburetor Flange Stud.....
470-8207	Cylinder Block Flange Stud.....
470-8208	Cylinder Head Stud.....

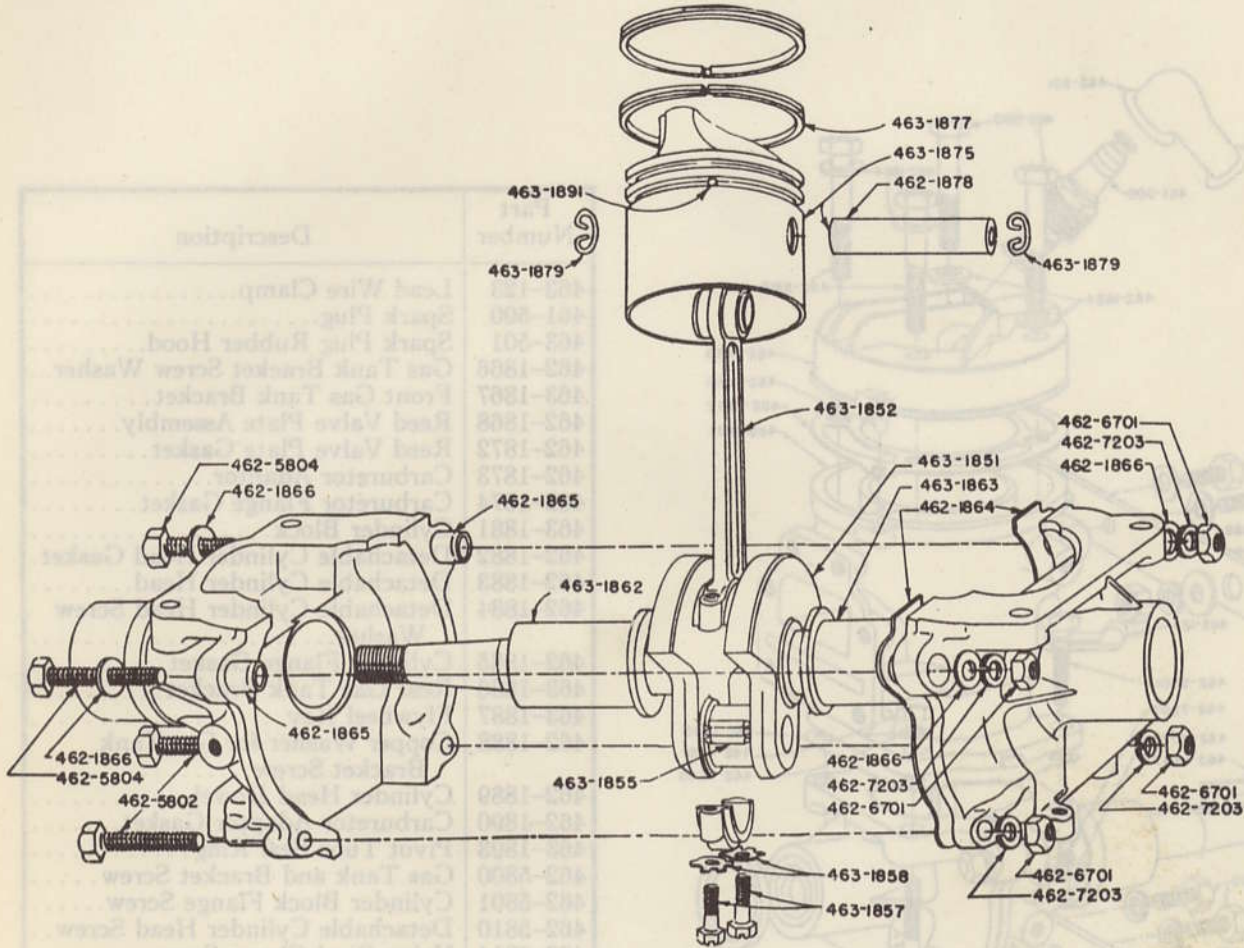
CRANKCASE 470-471



Part Number	Description
463-1851	Crankshaft.....
463-1852	Connecting Rod & Cap (Includes 463-1855, 463-1858 & 463-1857).....
463-1855	Connecting Rod Crank Pin Roller Set (24)..... Note: When replacing rollers of a Connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set).....
463-1857	Connecting Rod Screw.....
463-1858	Connecting Rod Screw Lock.....
470-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings).....

Part Number	Description
463-1862	Upper Crankshaft Bearing.....
463-1863	Lower Crankshaft Bearing.....
462-1864	Crankcase Gasket.....
462-1865	Crankcase Dowel.....
462-1866	Crankcase Dowel Washer.....
463-1875	Piston and Pin.....
463-1877	Piston Ring.....
462-1878	Piston Pin.....
463-1879	Piston Pin Lock.....
463-1891	Piston Ring Pin.....
462-5802	Front Crankcase Flange Screw.....
462-5804	Rear Crankcase Flange Screw.....
462-6701	Crankcase Flange Screw Nut.....
462-7203	Lock Washer for Crankcase Flange Screw Nut.....

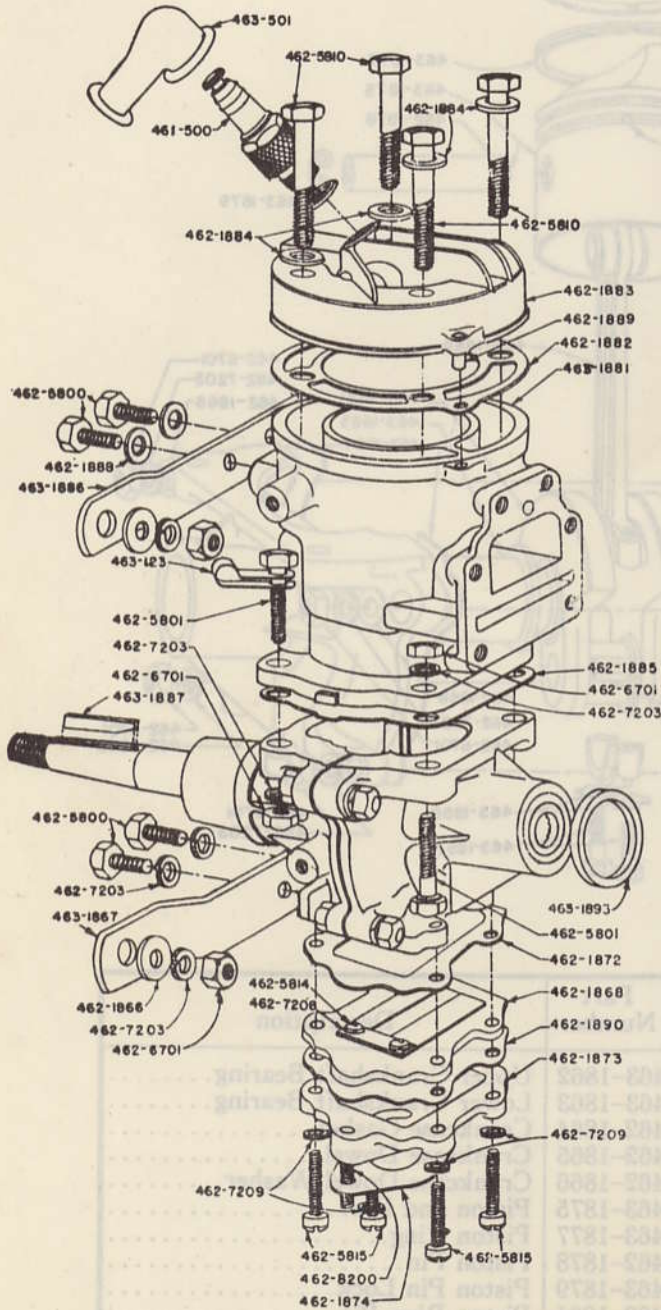
CRANKCASE 461-467



Part Number	Description
463-1851	Crankshaft.....
463-1852	Connecting Rod & Cap (Includes 463-1855, 463-1858 & 463-1857).....
463-1855	Connecting Rod Crank Pin Roller Set (24).....
	Note: When replacing rollers of a Connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set).....
463-1857	Connecting Rod Screw.....
463-1858	Connecting Rod Screw Lock.....
463-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings).....

Part Number	Description
463-1862	Upper Crankshaft Bearing.....
463-1863	Lower Crankshaft Bearing.....
462-1864	Crankcase Gasket.....
462-1865	Crankcase Dowel.....
462-1866	Crankcase Dowel Washer.....
463-1875	Piston and Pin.....
463-1877	Piston Ring.....
462-1878	Piston Pin.....
463-1879	Piston Pin Lock.....
463-1891	Piston Ring Pin.....
462-5802	Front Crankcase Flange Screw.....
462-5804	Rear Crankcase Flange Screw.....
462-6701	Crankcase Flange Screw Nut.....
462-7203	Lock Washer for Crankcase Flange Screw Nut.....

POWERHEAD 461-467



Part Number	Description
463-123	Lead Wire Clamp.....
461-500	Spark Plug.....
463-501	Spark Plug Rubber Hood.....
462-1866	Gas Tank Bracket Screw Washer..
463-1867	Front Gas Tank Bracket.....
462-1868	Reed Valve Plate Assembly.....
462-1872	Reed Valve Plate Gasket.....
462-1873	Carburetor Adaptor.....
462-1874	Carburetor Flange Gasket.....
463-1881	Cylinder Block.....
462-1882	Detachable Cylinder Head Gasket..
462-1883	Detachable Cylinder Head.....
462-1884	Detachable Cylinder Head Screw Washer.....
462-1885	Cylinder Flange Gasket.....
463-1886	Rear Gas Tank Bracket.....
463-1887	Flywheel Key.....
462-1888	Copper Washer for Gas Tank Bracket Screw.....
462-1889	Cylinder Head Dowel.....
462-1890	Carburetor Adaptor Gasket.....
463-1893	Pivot Tube Seal Ring.....
462-5800	Gas Tank and Bracket Screw.....
462-5801	Cylinder Block Flange Screw.....
462-5810	Detachable Cylinder Head Screw..
462-5814	Valve Reed Clamp Screw.....
462-5815	Carburetor Adaptor Plate Screw...
462-6701	Cylinder Block Flange Screw Nut..
462-7203	Lock Washer for Cylinder Block Flange Screw Nut.....
462-7203	Lock Washer—Gas Tank and Bracket Screw.....
462-7208	Lock Washer for Valve Reed Clamp Screw.....
462-7209	Lock Washer for Carburetor Adaptor Plate Screw.....
462-8200	Carburetor Flange Stud.....

BOOT KIT

All 30 and 33 HP motors manufactured after Serial Number 3665-1011 are equipped with a neoprene boot on the lower end of the Crankshaft. This boot prevents water, which has a tendency to climb up the rotating driveshaft, from reaching the lower main bearing and causing subsequent rusting of the bearing and the driveshaft splines. In addition, the boot insures adequate lubrication of the lower main bearing by retaining oil from the scavenge lines. Installation of the Boot Kit is recommended on all motors produced prior to Serial Number 3665-1011.

NOTE: Replacement crankshafts are identical with those used in current production and use a different boot. These crankshafts can be identified by a boot anchor groove which is ground into the lower end of the crankshaft.

The SK ~~7640~~ Boot Kit contains the following parts:
7670

Part No.	Description	Qty.	List Price
SK 7619	Crankshaft Collar	1	\$.75
SK 7617	Crankshaft Boot	1	2. 20
3665-1960	Boot retainer ring	1	.45
SK 7469	Self-tapping screw	2	.10
3655-1222	Scavenger line fitting	2	.24

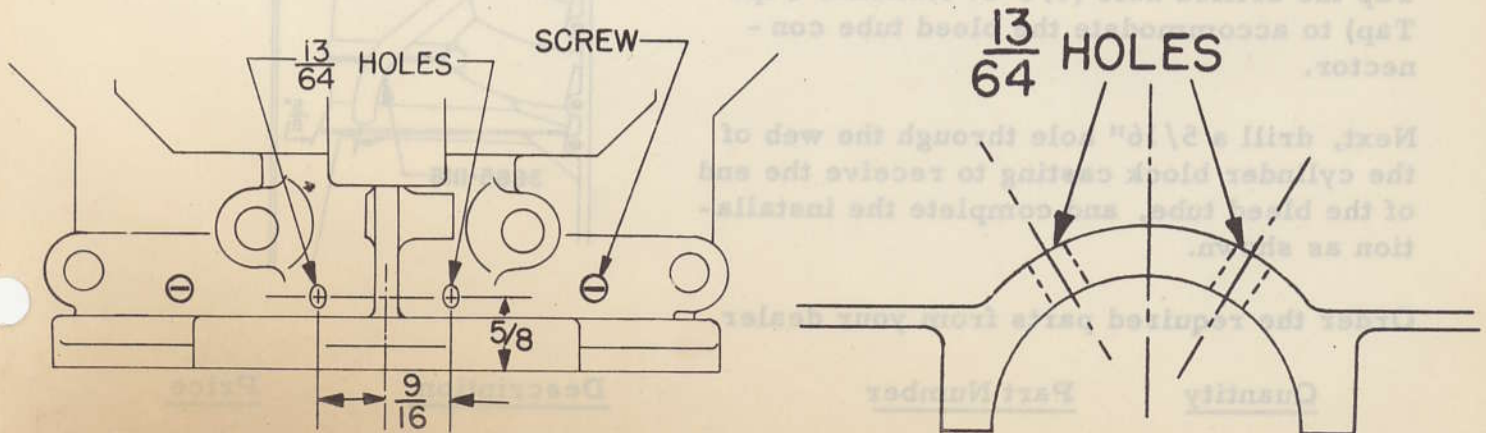
Preparing the motor for installation of the Boot Kit requires changing the location of the Scavenger line fittings. This operation necessitates removing the front half of the Crankcase and drilling two holes to receive the new fittings.



BOOT KIT

INSTALLING SCAVENGER LINE FITTINGS

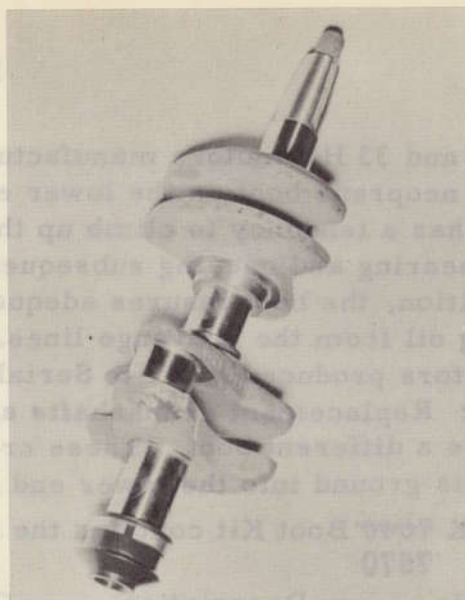
Remove the lower motor casing and front half of the crankcase from the motor. Using Vise-Grips, or another suitable tool, remove the two scavenger line fittings from the front half of the crankcase and plug these holes with the self-tapping screws provided. Next, at a distance of $9/16$ " from the crankshaft centerline and $5/8$ " from the bottom of the casting, drill two holes with a $13/64$ " drill as shown. Seat the new fittings into the drilled holes by tapping them lightly with a hammer and connect the scavenger lines.



NOTE: For illustrative purposes the crankshaft has been removed from the motor and is shown without the piston and rod assemblies.



CRANKSHAFT COLLAR INSTALLED



CRANKSHAFT BOOT INSTALLED

Install the crankshaft collar by tapping it onto the end of the crankshaft. The collar should be positioned flush with the end of the shaft as shown. After the collar has been installed, slip the boot into position, secure it with the retainer ring, and re-assemble the motor

CENTER BLEED TUBE

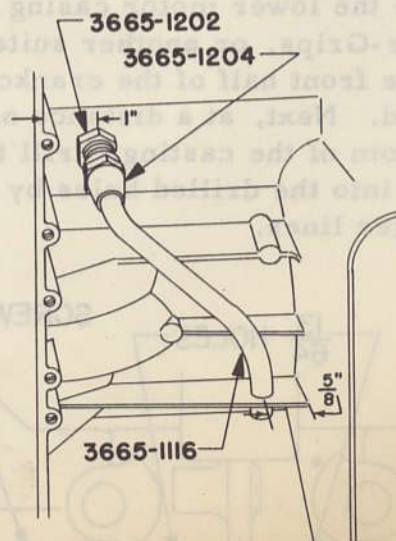
All 30 and 33 HP motors produced after Serial Number 3665-3566 are equipped with a center bleed tube located midway between the cylinders. This bleed tube assures an adequate flow of water through the central cooling passage. This feature should be installed on all 30 and 33 HP motors produced prior to Serial Number 3665-3566.

To install, drill an 11/32" hole in the block according to the dimensions shown in the illustration.

NOTE: Drill this hole to a depth of approximately 3/4", and check to make certain it extends into the cooling passage.

Tap the drilled hole (1/8-27 National Pipe Tap) to accommodate the bleed tube connector.

Next, drill a 5/16" hole through the web of the cylinder block casting to receive the end of the bleed tube, and complete the installation as shown.

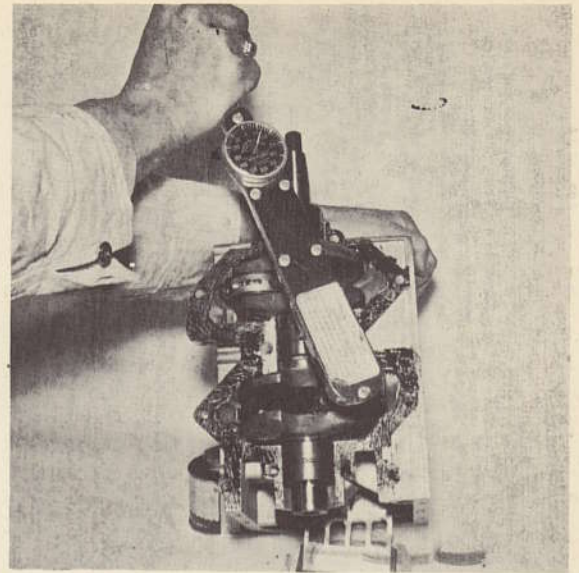


Order the required parts from your dealer.

	<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>	<u>Price</u>
Sect. F-20	1	3665-1204	Connector Bleed Tube	.25
	1	3665-1115	Bleed Tube & Nut Assy.	.35

6. Torque set the rod-cap screws to 160 lbs. The bearings and cages on the rods must rotate freely even after tightening.

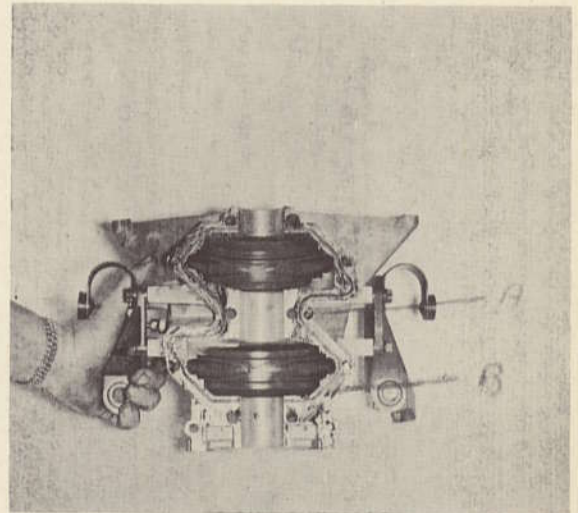
7. Apply Permatex #3 to both halves of the crankcase.



Torquing Rod Cap Screws

8. Insert new drain plug seal (A), and seal-line between crankcase halves (B).

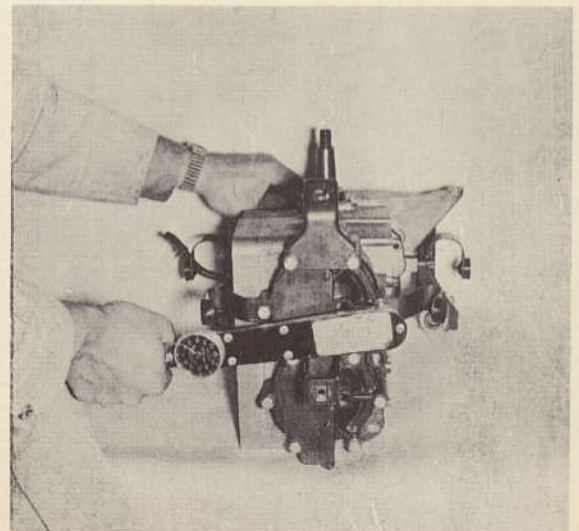
When assembled, and with intake cover plate off, rotate crankshaft in both directions to detect any possible signs of rubbing, binding, or the feeling of rollers skipping in a cage. The latter will indicate an incorrect number of rollers in a bearing. There is one roller in each slot in the cage. A poor match between rod-body and cap or between bearing races will also be indicated by the feeling of skipping in the cage.



Crankcase Seals

9. Replace the head, and torque the bolts to 150 lbs. Retighten the head bolts after a short run-in period.

Always use new gaskets and seals when completing any maintenance.



Torquing Head Bolts

30 & 33 HP TWIN CYLINDER

Construction of the 30 and 33 HP motors permits simplified access throughout for powerhead maintenance. Remove the complete powerhead simply by removing the 13 screws attaching the lower motor casing to the powerhead, the vertical speed control shaft, and the gas inlet line.

The upper and lower main bearings, and wrist pin bearings are caged rollers. The center-main and rod bearings are needle-roller bearings held in a cage. The bearing assemblies can be replaced individually.

The connecting rod caps are fractured for perfect fit, with each rod and cap a matched pair.

The crankcase and block are a matched set, and both must be replaced if damage occurs to either part.

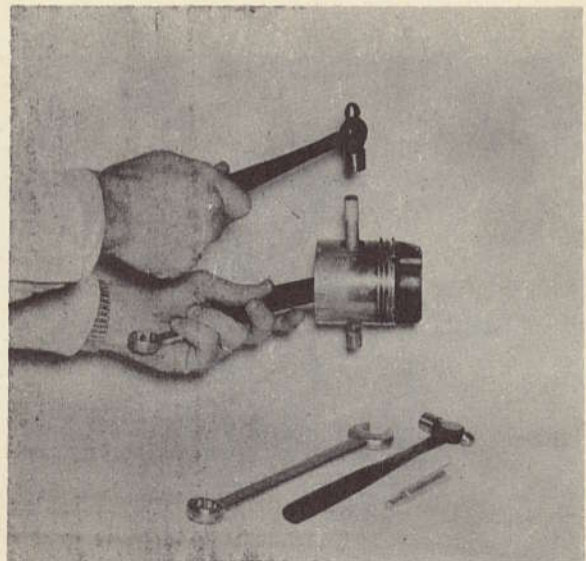
TIPS FOR DISASSEMBLY

When removing intake manifold, there is 1 concealed screw located within the throat of the intake and 8 around the outside. The reed-valve plate gasket and intake manifold gasket are identical.

The shift limit beam must be disconnected at it's center pivoting location before removing intake cover plate.

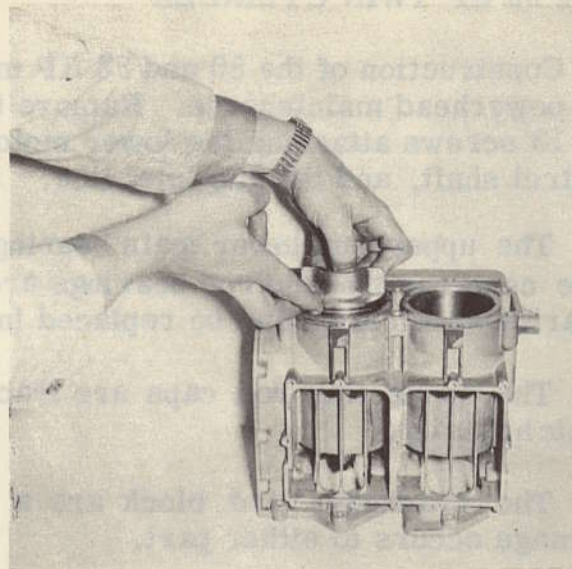
When separating the crankcase halves, the 2 center main bearing screws are located within the intake in the front half of the case. These are exposed when the intake manifold and reed boxes are removed.

The wrist-pin floats in a needle bearing assembly in each side of the piston, and is press fit to the rod. To prevent piston distortion, it is necessary to support the connecting rod within the piston when removing, or inserting the wrist-pin. Place a 13/16" open end wrench around the pin on the under side of the rod - hold wrench and rod firmly, or clamp wrench in a vice - Insert punch into pin -- tap wrist-pin out or in with a hammer.

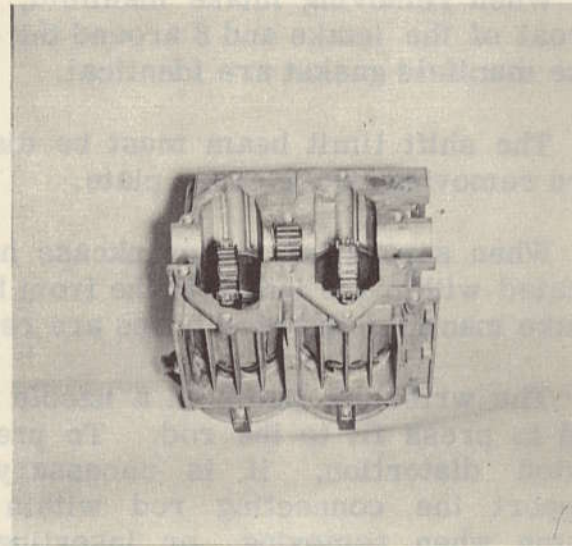


ASSEMBLY

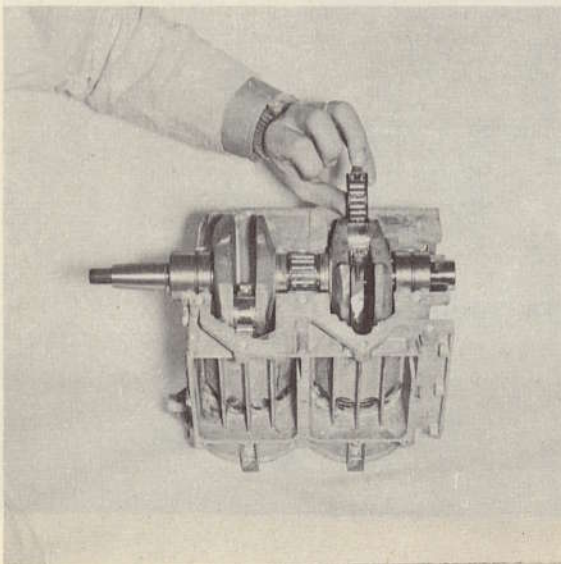
1. With the rings on the pistons, compress the rings and fit pistons into the block with the baffle to the intake side of the block.
2. Set center main race, rollers, and cage in place. The rollers fit on the underside of the cage, or between cage and race - (16 rollers per center bearing assembly).
3. Assemble rod bearings in cage, and place on the rods (17 or 18 rollers per assy, depending on type of cage). There is one roller per slat, with size determined by slat size. Do not interchange rollers and cages.
4. Slide the upper and lower main bearings onto the crankshaft with the oil seals to the outside. It is advisable to use a thin, smooth guide (such as shim stock) wrapped around the shaft. This will prevent any possible damage to the bearing seals.



Inserting Piston in Block



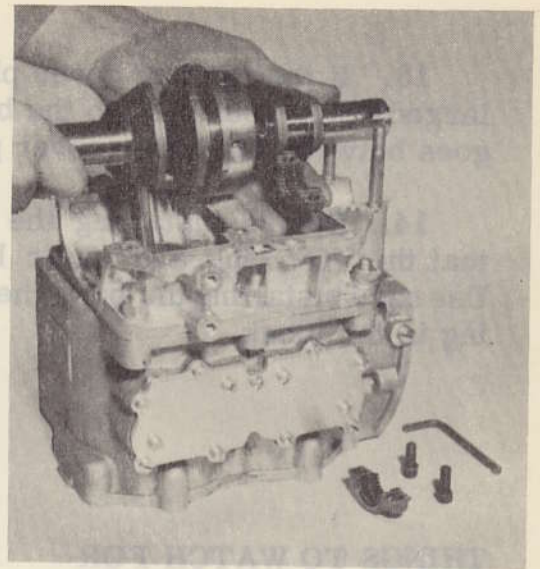
Center Main and Rod Bearings



Assemble Rod Caps and Mains

5. Set the crankshaft in place on the block, seating the upper and lower mains on the dowel pins. Assemble center main and rod cap bearings. Always check closely to see that no needles have fallen into the block.

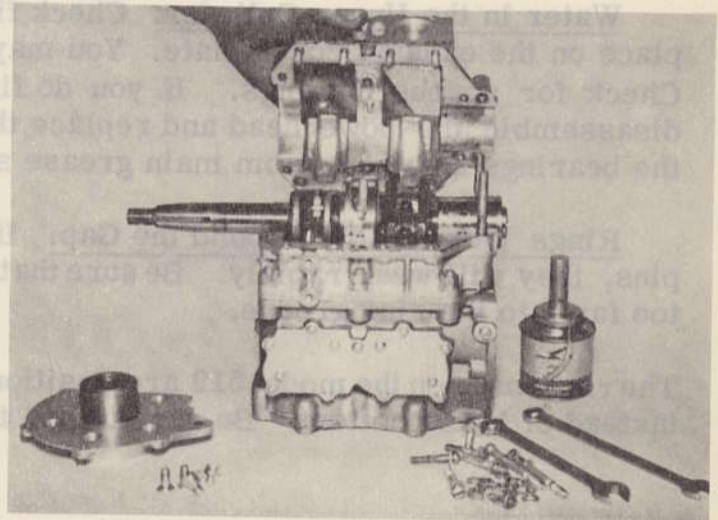
8. Lay the crankshaft in position over one of the rods, replace that cap, then lay the shaft over the other rod and replace the second cap. Tighten the Bristol cap screws to a torque reading of 140-160 inch pounds.



Laying Crankshaft over rods.

9. Slide the bottom main over the shaft and push the shaft down into position so that the bottom main is engaged by the locating pin. See instructions under #5 for the 10 HP engine for hints on preventing damage to the grease seal.

10. Apply Permatex to the parting surface of the crankcase half and around the bottom main, being careful that it will not ooze out into the bearings or oil holes. Replace the crankcase half and screw the nuts up lightly.



Replacing front crankcase half.

11. With the "O" ring in position, replace the top main bearing cage and draw the screws up lightly. Make sure that the crankcase halves are lined up, then tighten down the crankcase and the top main. If the shaft binds, loosen the case and re-align. (When disassembling, it is usually necessary to loosen the crankcase halves before removing the top main bearing cage). Early 519's, stamped with an S on the side of the crankcase, have a 0.060 shim under the top main bearing cage. Be sure this gasket is put back in when assembling.

12. Replace the head over a new gasket and tighten the head bolts to a torque reading of 225 inch pounds. The early 509 head that has one expansion plug uses two head gaskets while the later head with three expansion plugs uses only one.

13. If the exhaust cover plate is removed, be sure that the gasket with the enlarged holes goes next to the block. The other gasket without the enlarged holes goes between the water cover plate and the exhaust cover plate.

14. Before installing the powerhead on the lower motor casing, check to see that the "O" ring and water line sleeve are in position in the bottom of the block. Use care installing the powerhead to see that the water line enters the proper opening in the block.

THINGS TO WATCH FOR

Water In the Lower Cylinder. On the model 509, check to see that the lower motor casing has been modified by drilling drain holes as explained on page 3 of Section H. This could also be caused by a porous spot in the crankcase. Check especially to see that water cannot enter the oil passage drilled to the lower main bearing.

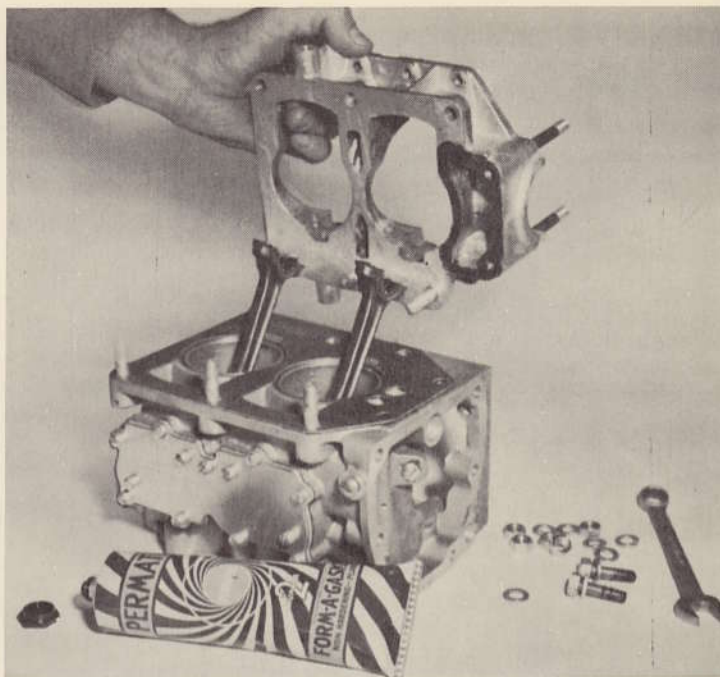
Water in the Upper Cylinder. Check first to see that the proper gaskets are in place on the exhaust cover plate. You may find the wrong gasket next to the block. Check for porous castings. If you do find water in either cylinder, it is best to disassemble the powerhead and replace those parts that are rusted. Be sure that the bearings and the bottom main grease seal are in good condition.

Rings Worn Badly Around the Gap. If the rings are not held in position by the pins, they will wear rapidly. Be sure that the positioning pins have not been pushed too far into the ring groove.

The rings used on the model 519 are positioned by a pin on the side of the groove instead of in the bottom. Be sure to use the proper rings.

4. Apply Form-a-Gasket #2 around the water jacket on both the block and crankcase half and bolt the back half of the crankcase on the block. Grind down the walls of a 1/2" box end wrench so that it will fit around the nuts.

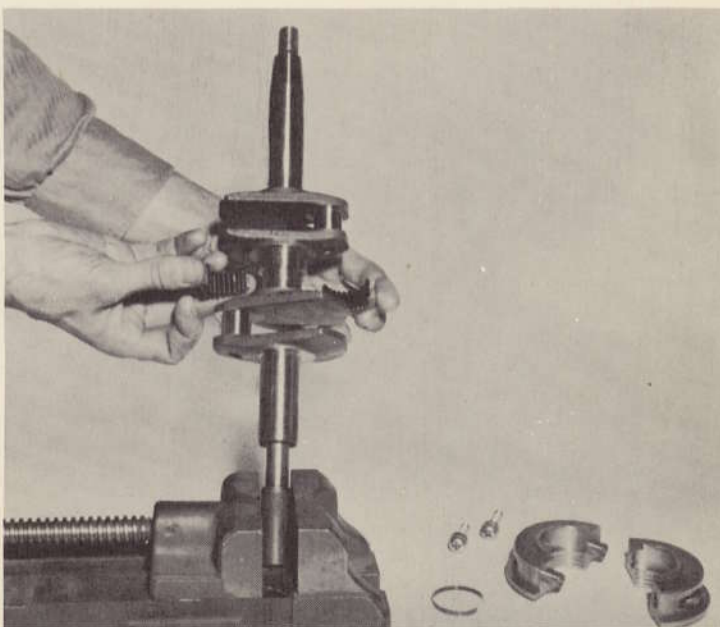
NOTE: You can save considerable time by leaving the back half of the crankcase on the block when disassembling, which eliminates the necessity of removing the exhaust cover plate. In this case, the pistons have to be inserted from the head end.



Replacing back half of crankcase.

5. Push the pistons into the block so that only the ends of the rod are exposed. Coat the bearing surface with grease and lay two rows of 14 needles in each cap and each rod. It is advisable to lay out and count the 56 needles for each rod so that you can be sure none of the needles are dropped and left loose in the block.

6. Coat the bearing race for the center main and lay 14 needles in one half, 13 in the other half. Install this bearing on the crankshaft with the narrow land on top facing the flywheel, and slip the band over the race. The center main needle bearing race cannot be replaced except in complete assembly 509-1932, which includes 509-1863 Retainer, 509-1905 Needle Bearing Race, 509-1906 Race Band.



Installing Center main race.

7. Replace the two halves of the bronze bearing retainer so that the race is held in position by the locating pin. The shoulder on the retainer goes up. Tighten the two Phillips head screws as tight as possible.

16 HP TWIN CYLINDER

The 16 HP engine is designed so that you can service it as quickly, and economically as possible. All bearings are replaceable at minimum cost, the crankcase is separate from the block and the head is removable. All of these points make it possible for you to service this powerhead without undue replacements.

The top main bearing consists of two needle roller bearings held in a cage, the center main has loose needles and the bottom main is a needle roller bearing held in a cage. These bearings can be replaced individually.

The connecting rods have two rows of loose needles on the crankpin and two needle bearing assemblies on the wrist pin. The connecting rod cap is fractured like the rod on the 10 HP so that it will always fit on the rod perfectly.

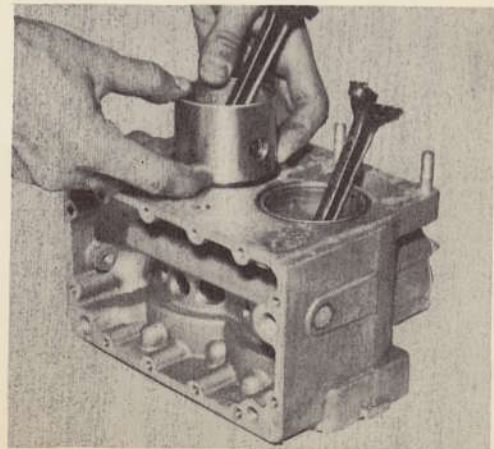
The 509-1852 rod is obsolete and superseded by 3925-1852.

The type of center main bearing has changed from time to time with the use of a different crankcase. 509 and 519 models use a 509-1932 center main bearing with the 509-1860 crankcase. The same assemblies are used on the early '52 models (Thru Serial #39251500). 3925-1860 crankcase assembly with cast in center bearing was used on late '52 models (Serial #39241501 through 39252000) and on early '53 models (Serial #39351001 through 39351500). The late '53 and all '54 models use a 3935-1860 crankcase assembly with a 3935-1932 center bearing assembly. This crankcase has a cast-in bronze seal about 1/2" lg and a step to a larger bore for inserting the roller bearings and retainer.

Either 3925 or 3935-1851 crankshaft can be used with 3935-1860 crankcase and 3935-1932 bearing assembly. The only difference between these two crankshafts is the method of connecting to the driveshaft. (3925-1851 drives with a flat key and slot in the bottom of the crankshaft, 3935-1851 drives through a spline).

ASSEMBLY

1. Fasten the pistons to the connecting rods. Follow instructions under #1 for the single cylinder. Be especially careful that the rod does not cock, allowing the wrist pin to force the needle bearings out of position.
2. Install the three rings on the piston. The type of positioning pin was changed on the model 519 so be sure to use the proper rings.
3. Insert the pistons in the block from the crankcase end with the piston baffle facing the intake side. Be sure that the rings are properly positioned on the pins.



Compressing rings in block.

THINGS TO WATCH FOR

Water In Cylinders. The head gasket on early model 518's was later replaced with one that has a copper grommet around the cylinder. If you find that a head gasket has blown, or if you are disassembling the 10 HP engine, install this new type gasket. The earlier gaskets can be used if you apply permatex on both sides, tighten the head nuts, then tighten them again after the motor has been warmed up on a test tank.

Frayed Or Broken Reeds. The reed valve plate was improved for 1951 production by bridging the slots in the plate with a small bar. The reeds on the new plate have also been improved. Replace old style reed valve plate assembly when working on this model. See Section D-4

Water Leaks Around Head Bolts. Replace the special washers under the head nuts and smooth out any irregularities around the holes in the head. These washers must form a water-tight seal. The soft aluminum washers used on early production have been replaced with a steel washer.

CAUTION: When installing the bearing cages, be very careful not to distort the grease seal. You may find it helpful to use a small screwdriver to work the seal around the shaft. The seal can also be expanded by inserting a cylindrical shaped strip of cardboard between the shaft and the seal. After the bearing is in position, the cardboard can be removed.

6. Apply a thin layer of permatex on both sides of the gasket and slide the top main bearing cage on the shaft being careful not to damage the grease seal. Tighten down the bearing cage and the bolts in the crankcase. Check to see that the crankshaft is free and turns easily.

7. Install the two rings on each piston with the bevel on the inside facing the top of the piston.

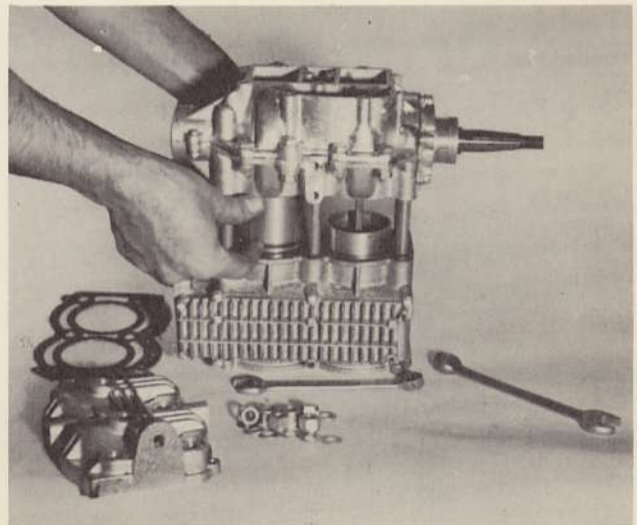
8. Screw the long studs into the crankcase and slide the "O" rings over the four bottom studs. Place a new gasket over the studs.

9. Slide the block on the studs and start the two pistons in. Compress the rings over the locating pins and slide one piston at a time into the block. Install the head over a new gasket and replace the special washers. Tighten the nuts reasonably snug, then draw them all up to a torque reading of 250 inch pounds. After the motor has been warmed up on a test tank, tighten them again.

10. Replace brackets according to the drawings in the parts page of this section.

11. The intake and exhaust cover plates can be removed and replaced at any time.

12. Bolt the power head on the lower motor casing using a new exhaust flange gasket.



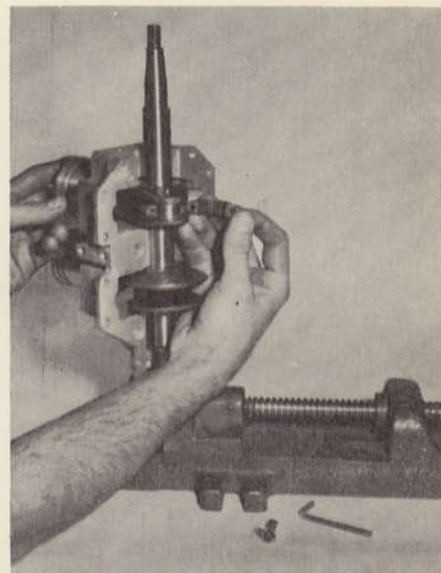
Compressing rings in block.

ASSEMBLY

1. Fasten the pistons to the connecting rods. See Instructions given under #1 for the single cylinder model.

2. Install the center main inserts. The half with the oil groove goes into the back half of the crankcase so that the groove follows the direction of rotation of the crankshaft. The other insert goes in the front half of the case with the beveled edge on the left hand side of the crankcase half when looking into this part. Correctly assembled, oil will enter the bearing from the hole in the back half of the case, follow the shaft around to the parting surface and spread out across the bearing in the level.

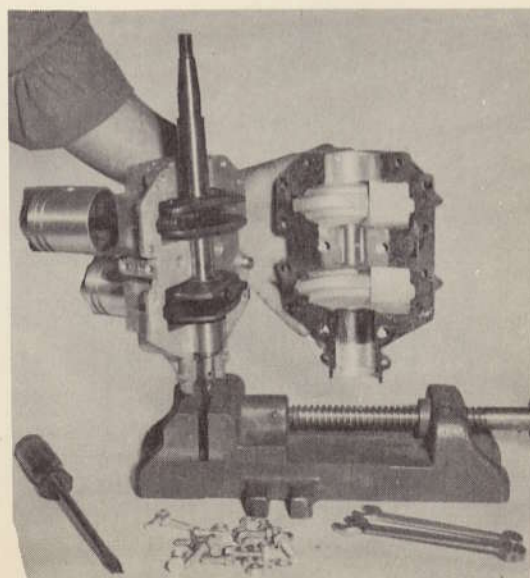
3. Coat the rods and caps with grease and lay 14 needles in each of the halves. If you are using the same needles, remember to put the needles back on the same rod and install the rod on the same crank pin. Place the back half of the case in position on the crankshaft and install the piston-rod assembly with the piston baffle facing the intake side. Replace the caps and tighten the cap screws to a torque reading of 70-80 inch pounds.



Installing rods on crankshaft.

4. Coat the parting surfaces of the crankcase and the area covered by the lower main cage with a thin layer of aviation grade permatax being careful to keep it away from bearings and oil holes.

5. Slide the bottom main on the shaft, with the grease seal outward, so that the locating pin engages the hole in the lower main bearing cage. Bolt the two halves of the crankcase together, but do not tighten them down until after the top main bearing cage is in position.



Assembling crankcase halves.

10 HP TWIN CYLINDER

The 10 HP engine is set up very much like the 5 HP except that the crankcase is entirely separate from the block. The upper and lower main bearings are needle rollers and there are loose needles on the connecting rod. The center main is a replaceable bronze insert, either half of which may be replaced.

The connecting rod on this motor and the 16 HP are different from smaller models in that the cap is broken off rather than sawed off. In the machining operations, the rod is hardened at the points where the screws hold the cap on, then an expanding plug is used to break the cap loose from the rod. This results in an uneven parting surface that will fit back together only one way. Be sure that the cap is in position before tightening down the cap screws

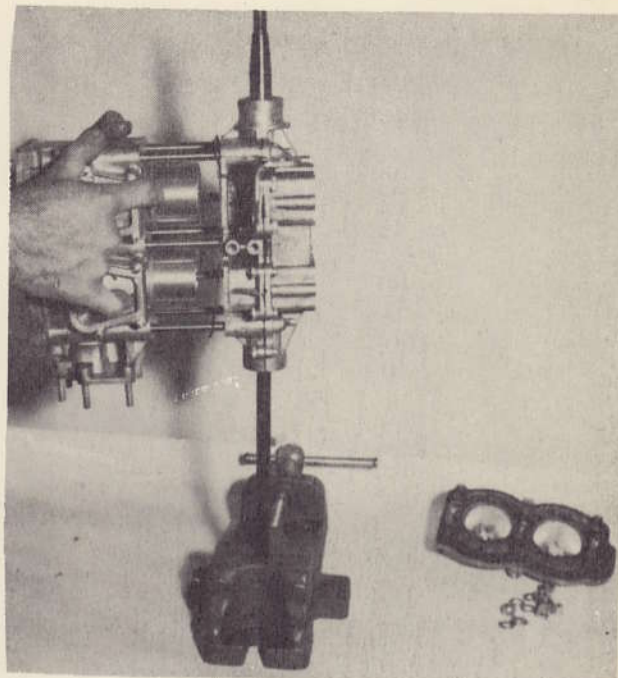
As with other models, the recommended order of assembly is given so that you can use the easiest way possible and still avoid methods that might cause damage to parts. If you were to install a new piston, it would hardly be necessary to disassemble the entire motor so that the given order could be followed to assemble. In such a case, remove the head, pull the block off and drive the wrist pin out. You have to be careful to absorb the shock of the hammer blow by holding the piston in your hand and apply pressure against the direction of the shock.

You may find other short-cuts of this nature, or you may find it easier to assemble parts in a different order. In any case, be very careful not to damage parts or get them out of alignment.

The 508 block is obsolete. The 3825 block should be used along with the following parts: 3825-1898 gasket, 3825-1897 cover plate, 3825-1917 cover plate and 3825-1918 gasket.

Notes:

5. Slide the cylinder block on over the pistons with a new gasket in place. See instructions under #5 for the single cylinder models.
6. Replace the head over a new gasket. Draw up all nuts to reasonable tightness, then tighten them to a torque reading of 150 to 175 inch-pounds.
7. The intake and exhaust cover plates can be removed or replaced at any time. Use new gaskets if they are being replaced.



Replacing block.

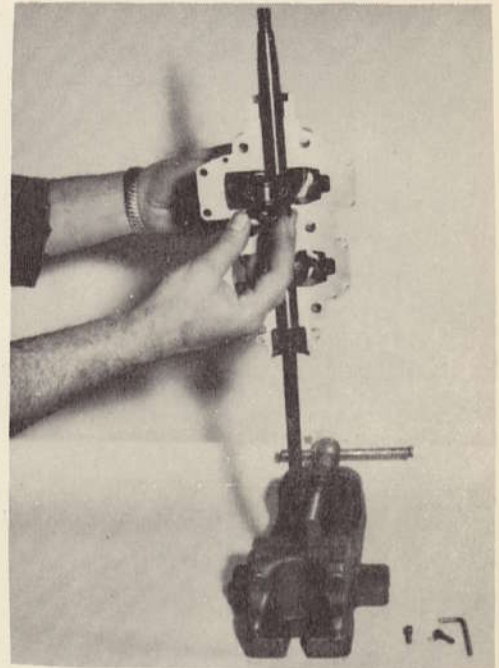
A top bearing oil seal was not used on early model 7 1/2 HP motors. A seal (465-1899) should be installed when the top bearing shows signs of leaking. The seal cavity in the crankcase should be perfectly clean. Apply a small amount of aviation permatex #3 around the seal and install with the sealing surface down.

7 1/2 HP TWIN CYLINDER

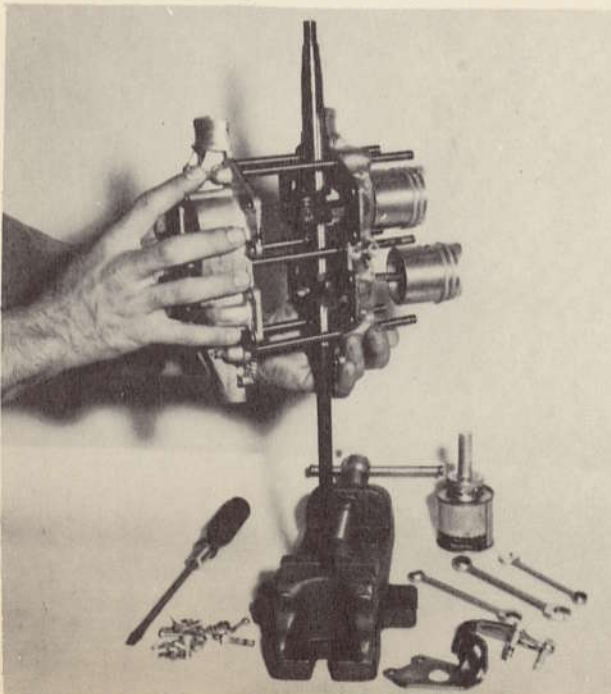
The 7 1/2 HP twin has a split crankcase that is matched and must be replaced as a unit. The main bearings are made of bronze and are an intergral part of the crankcase. If the bearings are worn or damaged, the entire crankcase must be replaced.

ASSEMBLY

1. Fasten the pistons on the connecting rods. See instructions given under #1 for the single cylinder models.
2. Install the rings on the pistons. See instructions under #2 for the 5 HP twin.
3. Coat the bearing surfaces with grease and place 12 rollers in each rod and cap. Hold the back half of the crankcase in place on the crankshaft while inserting the top rod through the crankcase and in position on the shaft. The piston baffles must face the intake or starboard side. Replace that cap and do the same for the bottom rod. Cap screws should be tightened to a torque reading of 120 to 140 inch-pounds.



Attaching rods to crankshaft.



Assembling the crankcase halves.

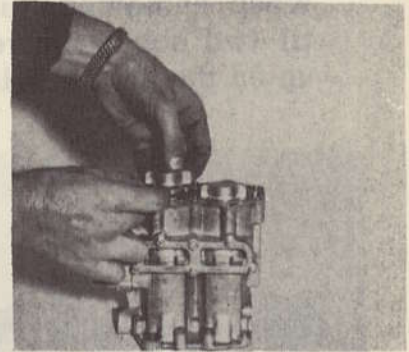
4. Apply a thin layer of aviation grade permatex on the crankcase parting surfaces being careful to keep it away from the bearings. Place the other half of the crankcase (with the long studs in place) over the shaft and bolt in place. Be sure the two halves are properly aligned. If in doubt, consult the exploded views of the powerhead to see how the tank brackets are clamped on.

5 HP TWIN CYLINDER

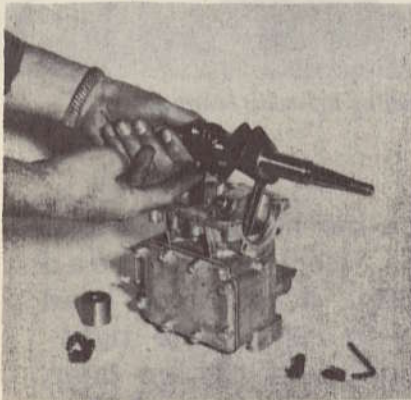
The 5 HP twin has one half of the crankcase integral with the block. Crankcase and block assembly must be replaced as a unit; however, all bearings are replaceable. The top main consists of two needle roller bearings held in a cage. The center main is a split precision bronze insert held in place with a pin. The bottom main is a needle roller bearing held in a cage.

ASSEMBLY

1. Fasten the pistons to the connecting rods. Follow instructions given under #1 for the single cylinder models.
2. Install the rings on piston. Use a ring expander, installing first the bottom ring, then the top. The bevel on the inside edge must face the head end.
3. Insert the pistons and rods in the block. These are inserted from the head end with the piston baffles facing the intake bypass side (Starboard side). See instructions under #5 for the single cylinder models.

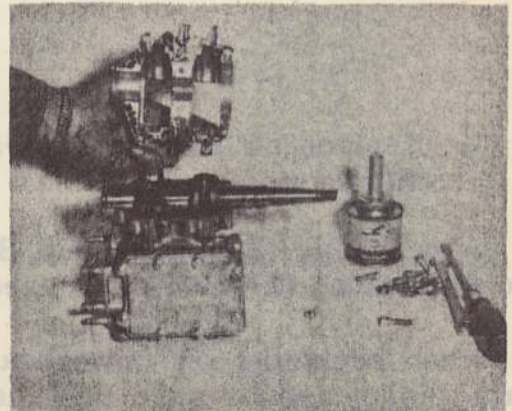


Sliding pistons in block.



Installing crankshaft.

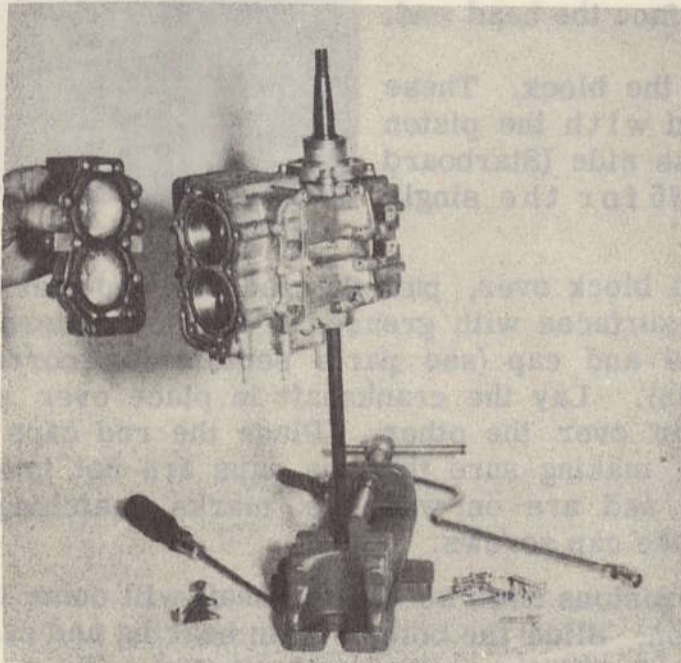
4. Turn the block over, pull the rods up and coat the bearing surfaces with grease. Place the rollers in each rod and cap (see parts section for correct quantities). Lay the crankshaft in place over one rod, then over the other. Place the rod caps in position, making sure that the caps are not interchanged and are on with the marks matching. Tighten the cap screws.
5. Push the pistons down so that the shaft will come into position. Slide the bottom main bearing and cage on the shaft with the grease seal outward. The positioning pin in the crankcase must engage the hole in the bearing cage. The shaft will then be in position, held by the bottom main and one half of the center main.
6. Coat the crankcase parting surfaces with a thin layer of aviation grade permatex, being careful to keep it away from the bearings.
7. Replace the front half of the crankcase and fasten it in position. Check to see that the crankcase is properly aligned and does not bind the crankshaft.



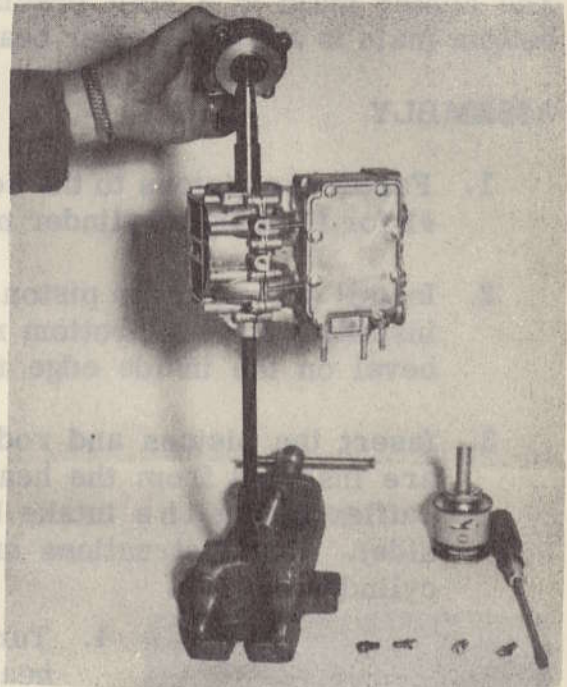
Replacing crankcase half.

The 5 HP twin has one half of the crankcase integral with the block. Crankcase and block assembly must be replaced as a unit; however, all bearings are replaceable. The top main consists of two needle roller bearings held in a cage.

8. Replace the upper main bearing assembly. Use a new gasket and apply a layer of permatex on the sealing surfaces. Tighten it down and check to see that the grease seal is in position with the metal face outward. When removing, turn the bearing cage until two screw drivers can be used to pry up on the screw hole flange.



Replacing head.



Installing top main bearing.

9. Replace the head over a new gasket. Replace the lead wire clip, draw up all head screws to reasonable tightness, and then tighten them to a torque reading of 80 to 120 inch-pounds.

10. The intake and exhaust cover plates can be removed or replaced at any time. Use a new gasket when replacing.

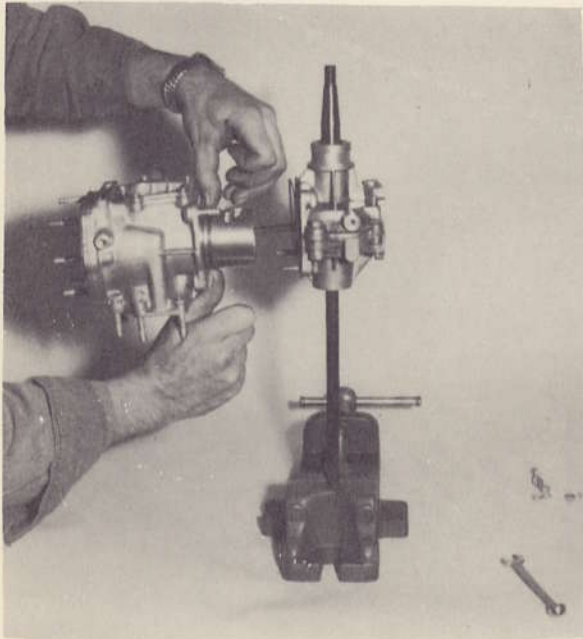
11. Replace all tank and skirt brackets or clips as shown in the parts pages of this section.

A new type Crankcase and Block Assembly (3745-1860) along with Magneto Mount Bearing (3745-1911) is used on the '54 model.

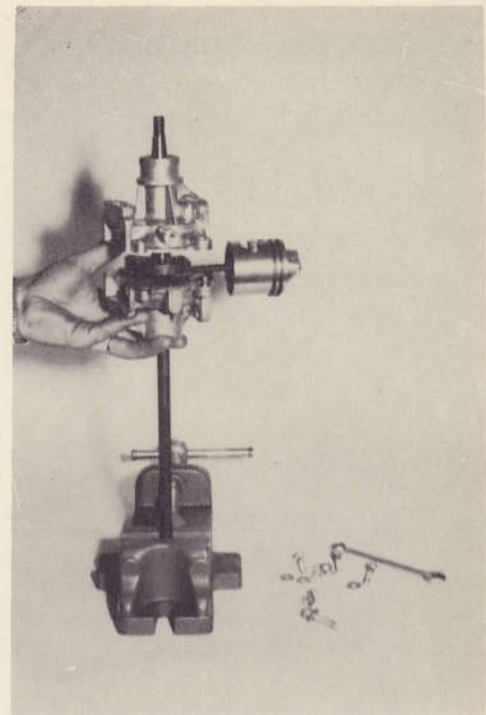
When replacing the powerhead on the lower motor casing, use a new cover plate gasket and be sure that the pivot tube seal ring is in place. The water line must be guided into the water inlet opening in the bottom of the block.

3. Place the upper and the lower halves of the crankcase in position on the shaft. Use a new gasket on each side and bolt the halves together.

4. Install rings on piston. Use a ring expander and place the inside beveled edge of the ring facing the head.



Replacing block.



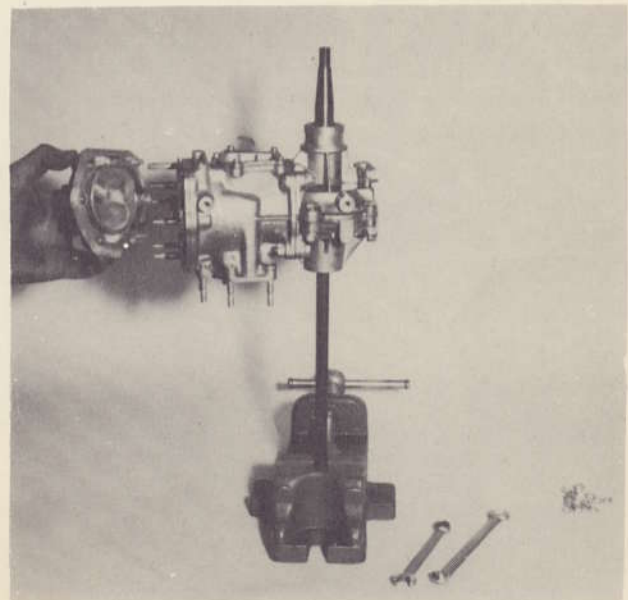
Installing the crankcase.

5. Slide the cylinder block over the piston with a new gasket in place. Use care in positioning the rings and compressing them over the pins. The beveled edge of the cylinder liner will help to compress the rings, eliminating the necessity of a ring compressor. Bolt the cylinder block in place.

6. Bolt the head on over a new gasket. Replace the necessary brackets according to the exploded views on the parts pages. Draw up all headnuts to a reasonable tightness and then tighten them individually to a torque reading of 80 to 120 inch-pounds.

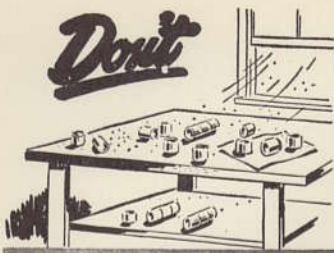
7. The intake cover plate can be removed or replaced at any time. Use a new gasket if it is removed. The 461 and 467 have a cast iron cylinder block and do not have an intake cover plate.

8. Replace all tank and skirt brackets or clips as shown in the parts pages of this section.



Replacing head.

HOW TO HANDLE NEEDLE BEARINGS



KEEP CLEAN —

DON'T assemble bearings in a dirty place. Don't take bearings out of wrapping until you use them. Dirt and bearings don't mix.

DO leave bearings in original wrappings until actually ready to use. That is one way to stop damage of bearings from dirt and moisture.



LUBRICANT

DON'T try to wipe or wash the lubricant out of needle bearings. It is a tough, tricky job and is not necessary.

DO install bearings with original lubricant left in them —more can be added after installation.

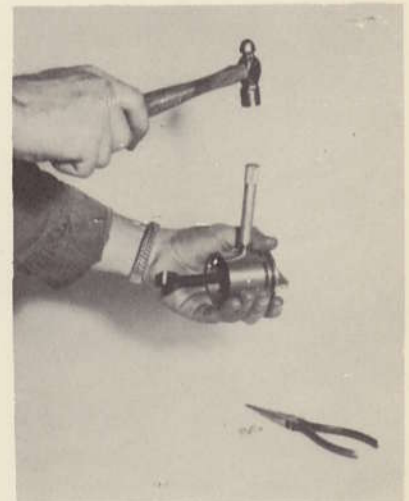


3.6 HP AND 4 HP SINGLE CYLINDER

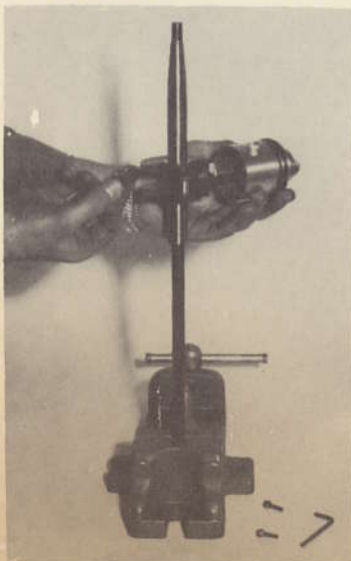
The single cylinder crankcase halves are matched. The bronze sleeve bearings are pressed in place from the inside and the halves assembled and bored so the bearings are in line.

ASSEMBLY

1. Fasten the piston to the connecting rod. Use the Piston Pin Inserter and a light hammer, being careful not to let the rod cock, jamming the pin. Drive the pin in until it is about 1/8" beyond the inside boss, then put the rod in place and drive the pin in the rest of the way until both piston pin locks can be pushed in place. A long-nose pliers will aid in removing these locks. If the piston pin locks do not fit tightly, remove and spread them. A loose piston pin lock will rapidly enlarge the groove. A correct fit between the rod and wrist pin will allow the piston to teeter of own weight.



Attaching piston to rod.



2. Fasten the connecting rod to the crankshaft. Coat the rod and cap bearing surfaces with a layer of grease and lay 12 needles in each half. Place the rod on the crankshaft with the piston baffle facing the flywheel end of the shaft. Place the cap in position over the rod so that the marks on the cap and rod are on the same side. Properly installed, the weight of the piston will hold the rod down when the shaft is rotated. Note: On connecting rods identified by a white mark on the web, 23 special needles are required. (See parts list.) Lay 12 in the rod and 11 in the cap when assembling.

Fastening the connecting rod to the crankshaft.

POWERHEAD

This section explains the step by step assembly of each of the horsepower sizes. The basic steps will not change from year to year except in minor details. When specific instructions for disassembly are necessary, they are given: otherwise, reverse the order when taking the powerhead apart.

The method given is in the easiest and most foolproof order. Follow this order and you will greatly reduce the possibility of damage to parts. Use extreme care if the order is changed. For example, if you attach the piston to the rod after the rod is on the crankshaft, you will greatly increase the possibility of bending the rod.

GENERAL INFORMATION

Service of the powerhead is simplified by clamping a stub of a driveshaft in a vice and placing the powerhead on the shaft. This will allow you to turn the powerhead around to work on any part. When assembling the motor, always use new gaskets and replace screws and bolts that appear damaged.

Pistons and pins are matched to give a "special interference" fit and must not be mixed. When either must be replaced, the matched pair must be replaced. If the piston pin hole becomes enlarged so that there is no longer a proper fit, replace the piston and pin.

Rings are positioned on the piston so that the gaps will be on opposite sides. This reduces compression loss and prevents the rings from rotating to a point where the sharp ends will catch on the port openings. The ring gap should be between .004 and .012.

Connecting rods and caps are sold as a complete unit. One side of the rod and cap are marked to indicate proper assembly. Do not attempt to interchange caps and always replace them so that the marks correspond.

Hold the needles in place when assembling by coating the bearing surfaces with a grease the consistency of cup grease and laying the needles in place in the grease. This heavy grease will dissolve as soon as the motor is run. The needle rollers should always be put back on the same connecting rod and the same crankpin. When it is necessary to replace one or more rollers, replace the entire set.

Crankcase halves are matched and must be replaced as a pair. Particular care must be taken in reassembling the twin crankcase to see that the halves are properly aligned to prevent an offset between the split bearings on the shaft.

Cylinder Blocks on all models except the 461 and 467 have iron cylinder liners cast into them. These liners are not replaceable, and if damaged, the entire block must be replaced.

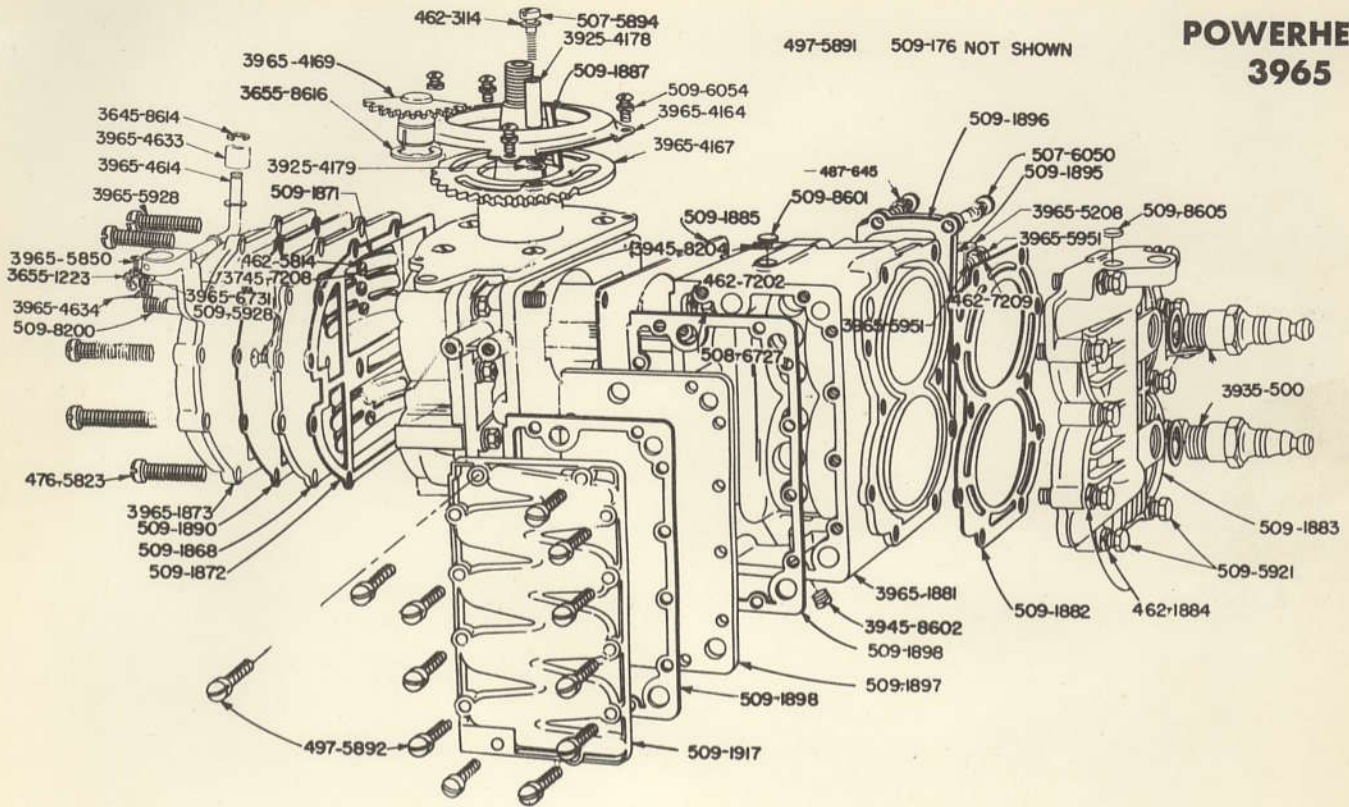
SCOTT-ATWATER SERVICE MANUAL

SECTION F - POWERHEAD

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POWERHEAD 3965



Part Number	Description
509-176	Lead Wire Clamp
3935-500	Spark Plug
487-645	Washer
3655-1223	Fitting
509-1868	Reed Valve Plate Assy.
509-1870	Reeds Only
509-1871	Reed Valve Clamp
509-1872	Gasket—Reed Valve Plate
3965-1873	Intake Manifold
3965-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder—Head
462-1884	Washer—Cylinder Head
509-1885	Gasket—Cylinder Flange
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assy.
*509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Gasket—Exhaust and Water Cover Plate
509-1917	Water Cover Plate
462-3114	Washer
3965-4164	Mounting Ring—Stator Plate
3965-4167	Gear—Stator Plate
3965-4169	Mag. Pinion and Shaft
3925-4178	Spacer
3925-4179	Spring—Stator Plate Gear Screw
3965-4614	Shaft

Part Number	Description
3965-4633	Follower
3965-4634	Arm—Actuator
3965-5208	Bracket
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
3965-5850	Screw
497-5891	Screw
497-5892	Screw—Water Cover Plate
507-5894	Screw
509-5921	Screw—Cylinder Head
509-5928	Screw—Reed Valve Plate
3965-5928	Screw—Intake Manifold
3965-5951	Screw
507-6050	Screw
509-6054	Screw—Mounting Ring
508-6727	Nut—Cylinder Block Studs
3965-6731	Nut
462-7202	Lockwasher—5/16" Common
3745-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher
509-8200	Stud—Carburetor Flange
3945-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
3945-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
3645-8614	Retainer
3655-8616	Retainer
	†Included in 509-1895 Assembly

(LOWER UNIT, PUMP, AND PROPELLER- 3065 -P32)

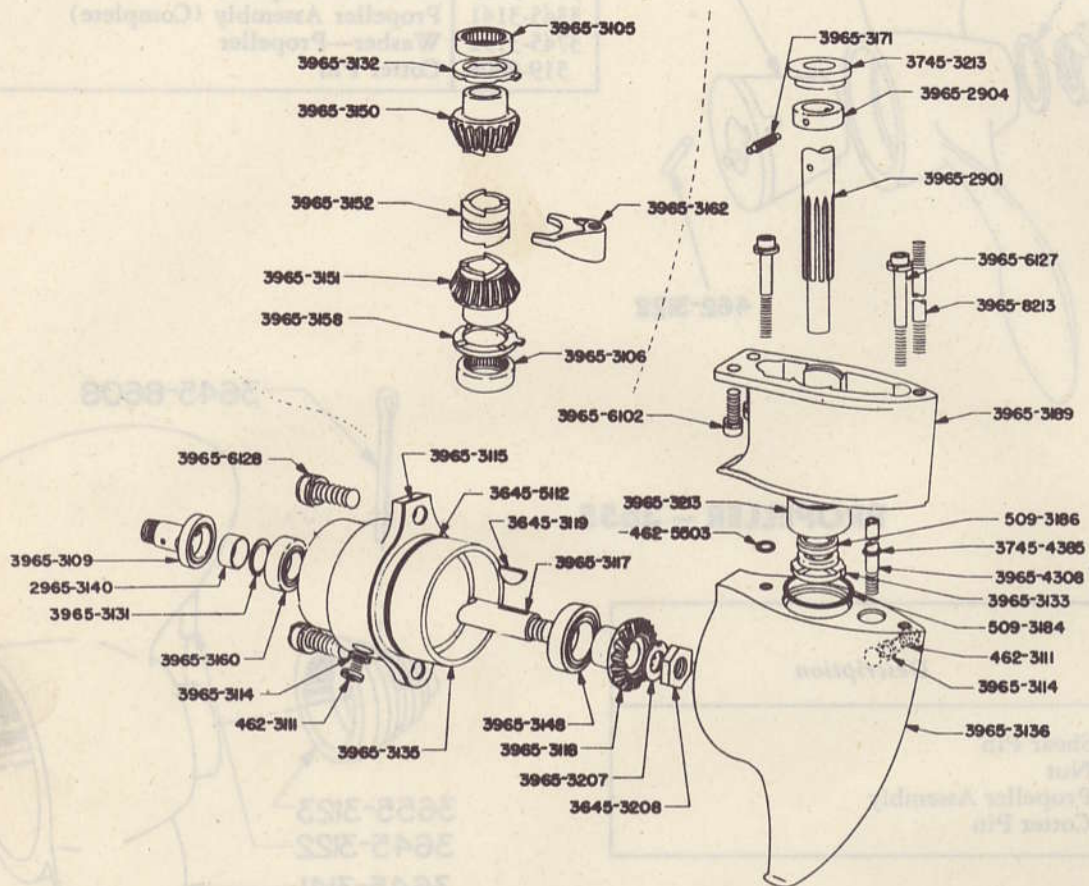
(Lower Unit - 3365-P47)

(Lower Unit - 3665-P48)

(Lower Unit - 3765-P49)

(Lower Unit - 3865-P50)

LOWER UNIT-3965

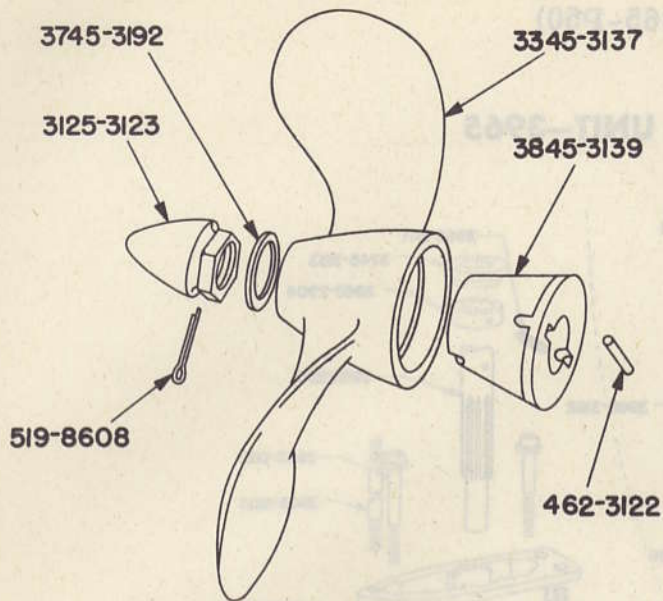


Part Number	Description
3965-2901	Driveshaft
3965-2904	Retainer
1965-3100	Lower Unit (complete)
3965-3105	Bearing—Forward Gear
3965-3106	Bearing—Reverse Gear
3965-3109	Seal—Prop Shaft
462-3111	Screw—Fill and Drain
3965-3114	Seal—Fill and Drain Screw
3965-3115	Shim—Cap to Body
3965-3117	Shaft
3965-3118	Gear—Prop Shaft
3645-3119	Key—Gear to Shaft
3965-3130	Partial Lower Unit—Cap and Body Assy.
3965-3131	Retaining Ring
3965-3132	Thrustwasher—Forward Gear
3965-3133	Thrustwasher—Driveshaft
3965-3135	Cap Assembly
3965-3136	Body Assembly
2965-3140	Sleeve
3965-3148	Bearing—Front
3965-3150	Gear Assy.—Forward
3965-3151	Gear Assy.—Reverse

Part Number	Description
3965-3152	Clutch Dog
3965-3158	Thrustwasher—Reverse Gear
3965-3160	Bearing—Rear
3965-3162	Fork—Drive Selector
3965-3171	Pin—Retainer
509-3184	Seal—Adaptor
509-3186	Seal—Driveshaft
3965-3189	Adaptor
3965-3207	Washer—Prop Shaft Nut
3645-3208	Nut
3745-3213	Dowel—Adaptor
3965-3213	Dowel—Lower Unit
3965-4308	Extension—Shift Rod
3745-4385	Seal—Extension
3645-5112	Seal—Bearing Cap
462-5503	Seal—Adaptor Screw
3965-6102	Screw—Adaptor to Casing
3965-6127	Screw—Adaptor to L. U.
3965-6128	Screw—Bearing Cap
3965-8213	Stud

PROPELLER — 3355

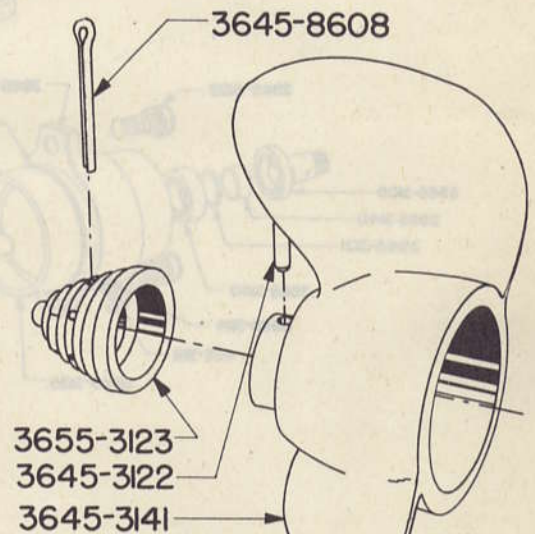
(PROPELLER — 3855 P42)



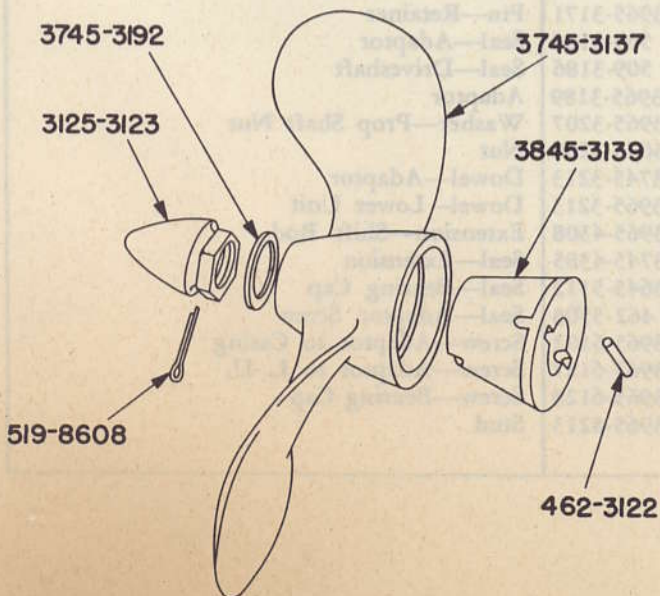
Part Number	Description
462-3122	Shear Pin
3125-3123	Nut—Propeller
3345-3137	Propeller (Only)
3845-3139	Cushion—Propeller
3345-3141	Propeller Assembly (Complete)
3745-3192	Washer—Propeller
519-8608	Cotter Pin

PROPELLER — 3655

Part Number	Description
3645-3122	Shear Pin
3655-3123	Nut
3645-3141	Propeller Assembly
3645-8608	Cotter Pin



PROPELLER — 3755



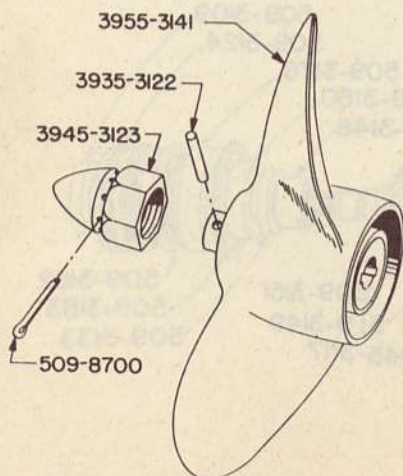
Part Number	Description
462-3122	Shear Pin
3125-3123	Nut—Propeller
3745-3137	Propeller (Only)
3845-3139	Cushion—Propeller
3745-3141	Propeller Assembly (Complete)
3745-3192	Washer—Propeller
519-8608	Cotter Pin

LOWER UNIT—3955

Part Number	Description
497-1806	"O" Ring
3945-2901	Drive Shaft
3935-2902	Impeller Pin
2945-2902	Drive Pin—Impeller
3955-3100	Complete Lower Unit Assembly as Illustrated
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
*3945-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
3945-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front and Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
3945-3173	Propeller Shaft Assembly

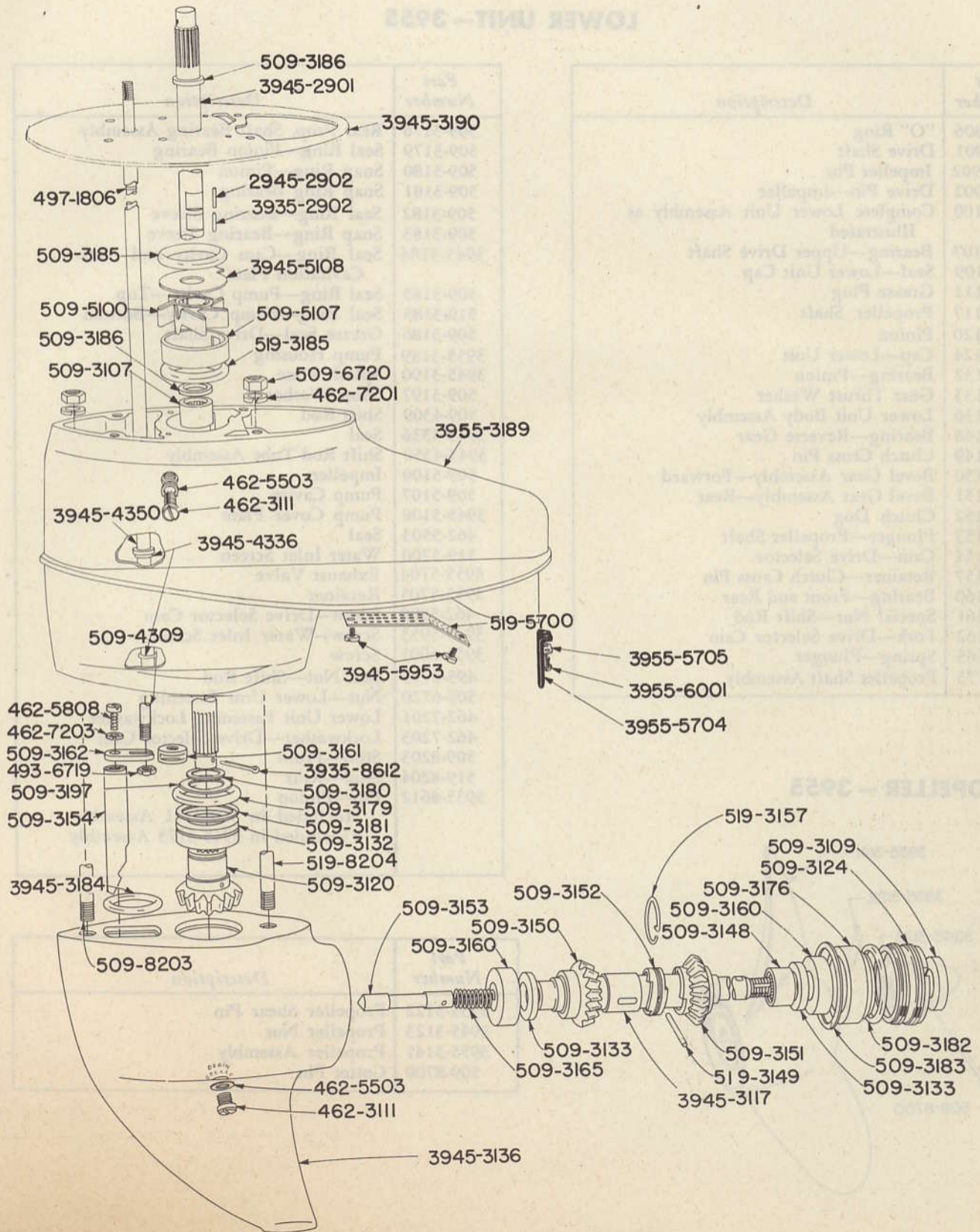
Part Number	Description
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
3945-3184	Seal Ring—Cam Cavity and Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
3955-3189	Pump Housing
3945-3190	Splash Plate
509-3197	Shim Washer
509-4309	Shift Rod
3945-4336	Seal
3945-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
3945-5108	Pump Cover Plate
462-5503	Seal
519-5700	Water Inlet Screen
3955-5704	Exhaust Valve
3955-5705	Retainer
462-5808	Screw—Drive Selector Cam
3945-5953	Screw—Water Inlet Screen
3955-6001	Screw
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
509-8203	Stud—Front
519-8204	Stud—Rear
3935-8612	Pin—Pinion
	†Included in 509-3151 Assembly
	*Included in 3945-3173 Assembly

PROPELLER — 3955

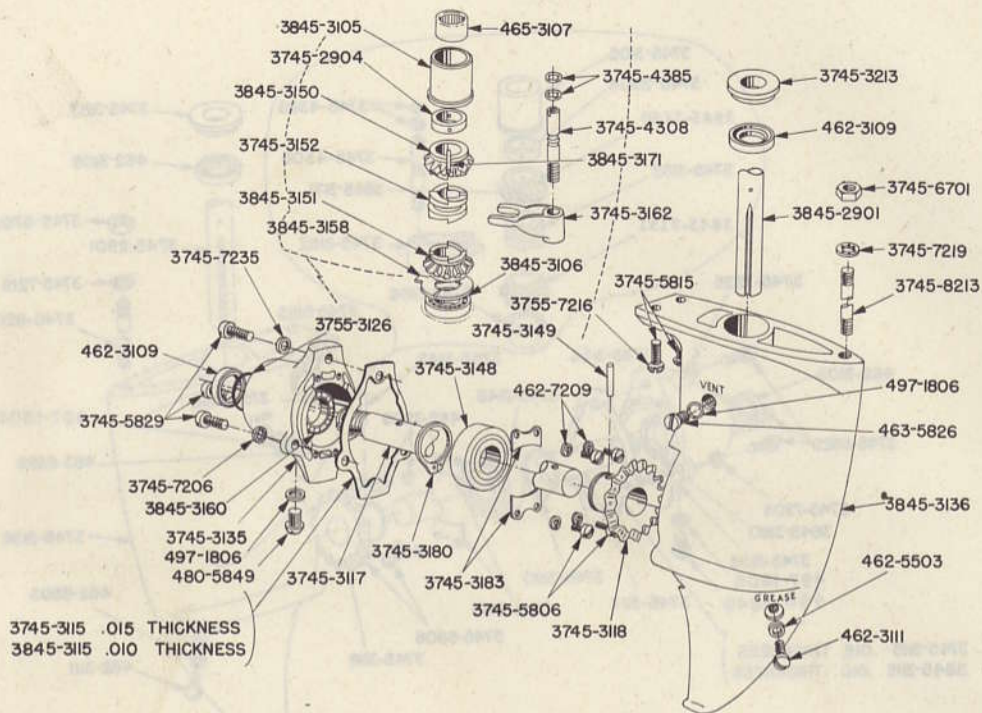


Part Number	Description
3935-3122	Propeller Shear Pin
3945-3123	Propeller Nut
3955-3141	Propeller Assembly
509-8700	Cotter Pin

LOWER UNIT—3955



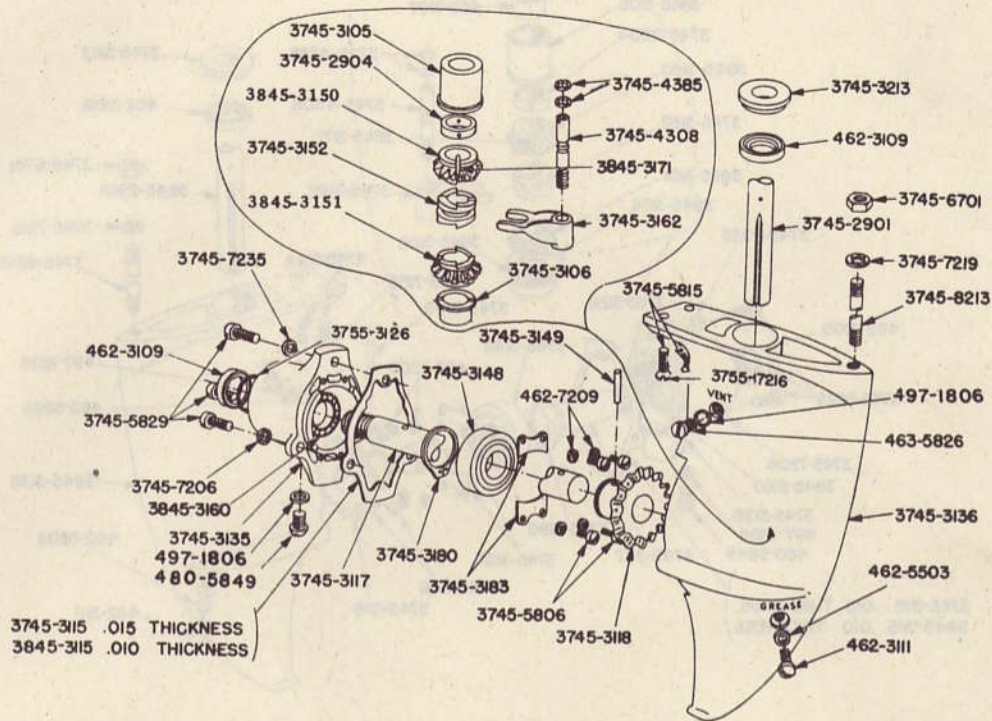
LOWER UNIT—3855



Part Number	Description
497-1806	Seal
3845-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3845-3100	Lower Unit (Complete as Illustrated)
3845-3105	Bearing Retainer—Upper—Drive Shaft
3845-3106	Bearing—Lower—Drive Shaft
465-3107	Roller Bearing—Upper—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
3745-3115	Gasket
3845-3115	Gasket
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3755-3126	"O" Ring
3845-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3845-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Gear—Forward
3845-3151	Gear—Rear

Part Number	Description
3745-3152	Clutch Dog
3845-3158	Thrust Washer
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
3745-3183	Retainer Plate—Front Bearing
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
480-5849	Drain Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3755-7216	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
	*Included in 3745-3173 Assembly

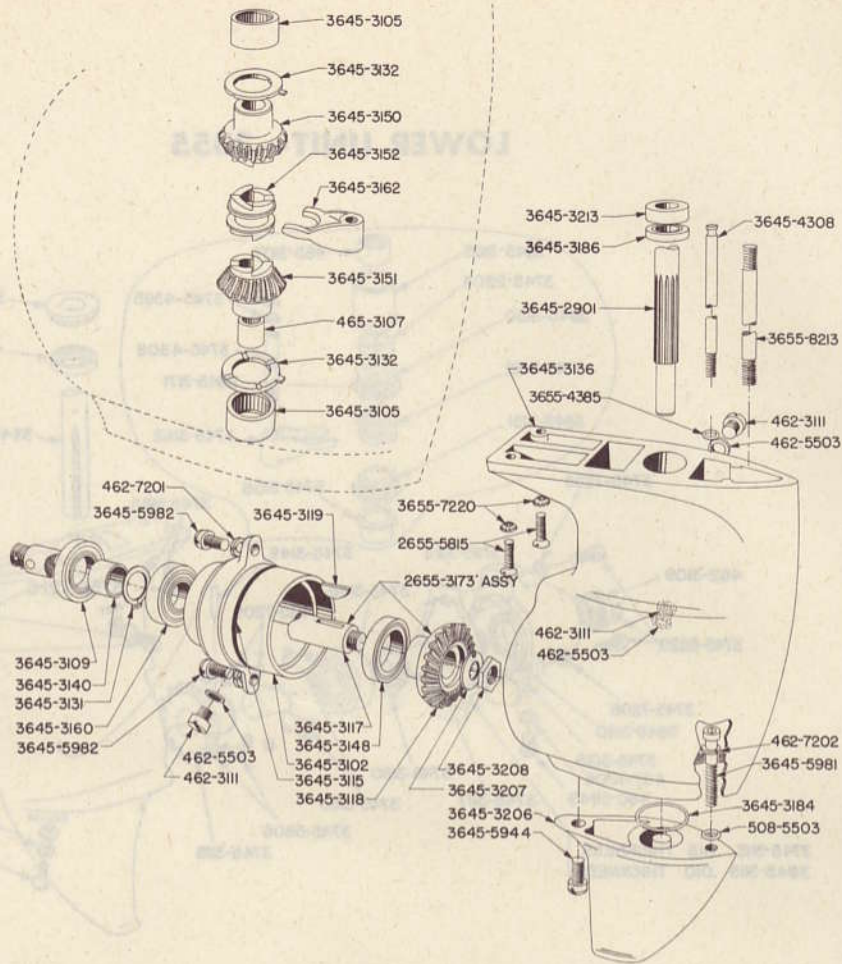
LOWER UNIT—3755



Part Number	Description
497-1806	Seal
3745-2901	Drive Shaft
3745-2904	Retainer — Drive Shaft
3745-3100	Lower Unit (Complete as Illustrated)
3745-3105	Bearing — Upper — Drive Shaft
3745-3106	Bearing — Lower — Drive Shaft
462-3109	Seal
462-3111	Grease Plug
3745-3115	Gasket — .015 Thickness
3845-3115	Gasket — .010 Thickness
*3745-3117	Propeller Shaft Only
*3745-3118	Gear — Propeller Shaft
3755-3126	"O" Ring
3745-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3745-3136	Body — Lower Unit
*3745-3148	Bearing — Front Propeller Shaft
*3745-3149	Pin — Gear Retainer
3845-3150	Forward Gear Assy.
3845-3151	Reverse Gear Assy.

Part Number	Description
3745-3152	Clutch Dog
3845-3160	Bearing — Rear Propeller Shaft
3745-3162	Fork — Drive Selector
3845-3171	Pin — Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring — Front Bearing
*3745-3183	Retainer
3745-3213	Dowel — Lower Unit to Exhaust Case
3745-4308	Extension — Drive Selector Fork
3745-4385	Seal — Fork Extension
462-5503	Seal — Grease Plug
3745-5806	Screw — Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw — Bearing Cap
480-5849	Vent Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3755-7216	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud — Lower Unit
*Included in 3745-3173 Assembly	

LOWER UNIT—3655

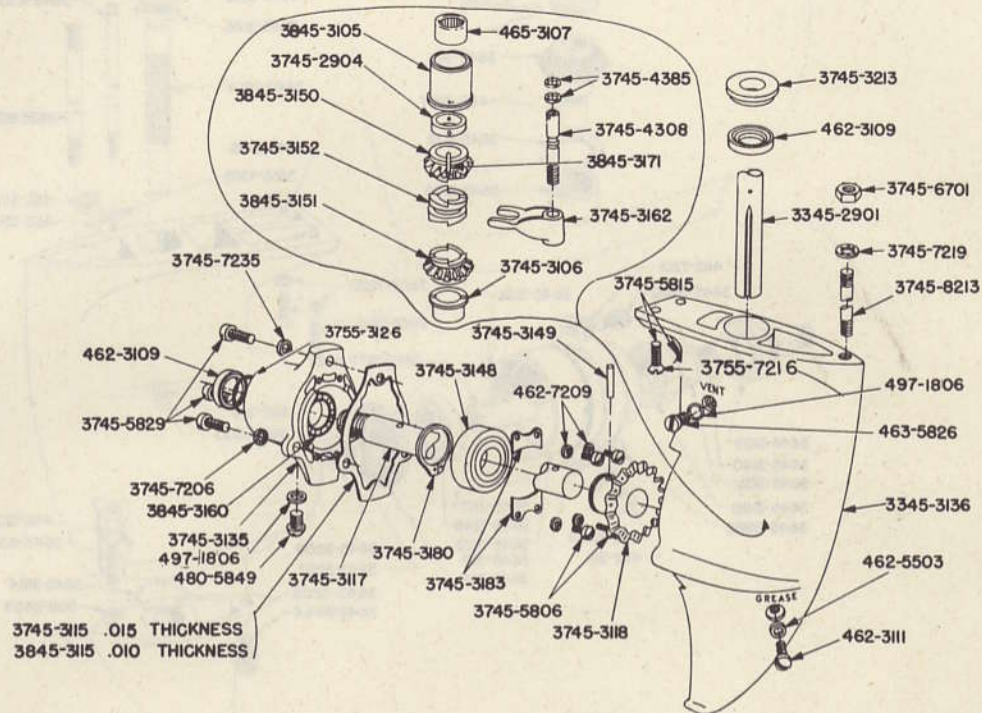


Part Number	Description
3645-2901	Drive Shaft
3655-3100	Lower Unit Comp.
3645-3102	Cap—L. U. Brg.
3645-3105	Bearing—Fwd. and Rev. Gear
465-3107	Bearing—Rev. Gear
3645-3109	Seal—Propeller Shaft
462-3111	Screw—Drain
3645-3115	Seal—Cap
3655-3115	Cap Shim — Use as Required
*3645-3117	Propeller Shaft
*3645-3118	Gear—Propeller Shaft
3645-3119	Key—Gear to Shaft
3645-3130	Partial L. U.—(Body—Cap and Brgs.)
3645-3131	Retaining Ring
3645-3132	Thrust Washer
3645-3136	L. U. Body Assembly
3645-3140	Sleeve—Propeller Shaft
3645-3148	Bearing—Front
3645-3150	Forward Gear Assembly
3645-3151	Reverse Gear Assembly
3645-3152	Clutch Dog
3645-3160	Bearing—Rear
3645-3162	Fork
2655-3173	Propeller Shaft Assembly

Part Number	Description
3645-3184	Seal
3645-3186	Seal—Drive Shaft
3645-3206	Skeg
3645-3207	Washer
3645-3208	Nut
3645-3213	Dowel
3645-4308	Shift Rod—Lower
3655-4385	Seal—Shift Rod
462-5503	Seal
508-5503	Seal—Skeg Screw
2655-5815	Screw—L. U.
3645-5944	Screw—Skeg
3645-5981	Screw—Skeg
3645-5982	Screw—Brg. Cap
462-7201	Lockwasher
462-7202	Lockwasher
3655-7220	Lockwasher
3655-8213	Stud

*2655-3173 used below Serial No. 36553001,
3645-3117 and 3645-3118 used above
Serial No. 36553000

LOWER UNIT — 3355



Part Number	Description
497-1806	Seal
3345-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3345-3100	Lower Unit (Complete as Illustrated)
3845-3105	Bearing Retainer—Upper—Drive Shaft
3745-3106	Bearing—Lower—Drive Shaft
465-3107	Roller Bearing—Upper—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
3745-3115	Gasket—.015 Thickness
3845-3115	Gasket—.010 Thickness
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3755-3126	"O" Ring
3345-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3345-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Gear—Forward
3845-3151	Gear—Rear

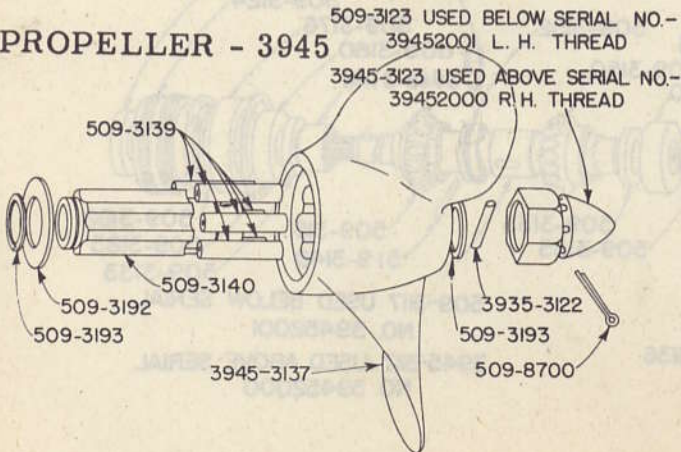
Part Number	Description
3745-3152	Clutch Dog
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
*3745-3183	Retainer Plate—Front Bearing
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
480-5849	Drain Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3755-7216	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
	*Included in 3745-3173 Assembly

LOWER UNIT - 3945

Part Number	Description
497-1806	"O" Ring
3945-2901	Drive Shaft
3935-2902	Impeller Pin
2945-2902	Drive Pin—Impeller
3945-3100	Complete Lower Unit Assembly as Illustrated
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
*509-3117	Propeller Shaft (Used Below Serial Number 3945 2001)
*3945-3117	Propeller Shaft (Used Above Serial Number 3945 2000)
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
3945-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front and Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3173	Propeller Shaft Assembly (Used Below Serial Number 3945 2001)
3945-3173	Propeller Shaft Assembly (Used Above Serial Number 3945 2000)

Part Number	Description
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
3945-3184	Seal Ring—Cam Cavity and Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
3945-3189	Pump Housing
3945-3190	Splash Plate
509-3197	Shim Washer
3935-3197	Washer—Used as Needed
509-4309	Shift Rod
3945-4336	Seal
3945-4350	Shift Rod Tube Assembly
3925-5100	Impeller
509-5107	Pump Cavity
3945-5108	Pump Cover Plate
462-5503	Seal
519-5700	Water Inlet Screen
462-5808	Screw—Drive Selector Cam
509-5915	Set Screw—Rear Cap
3945-5953	Screw—Water Inlet Screen
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
509-8203	Stud—Front
519-8204	Stud—Rear
3935-8612	Pin—Pinion
	†Included in 509-3151 Assembly
	*Included in 509-3173 or 3945-3173 Assembly

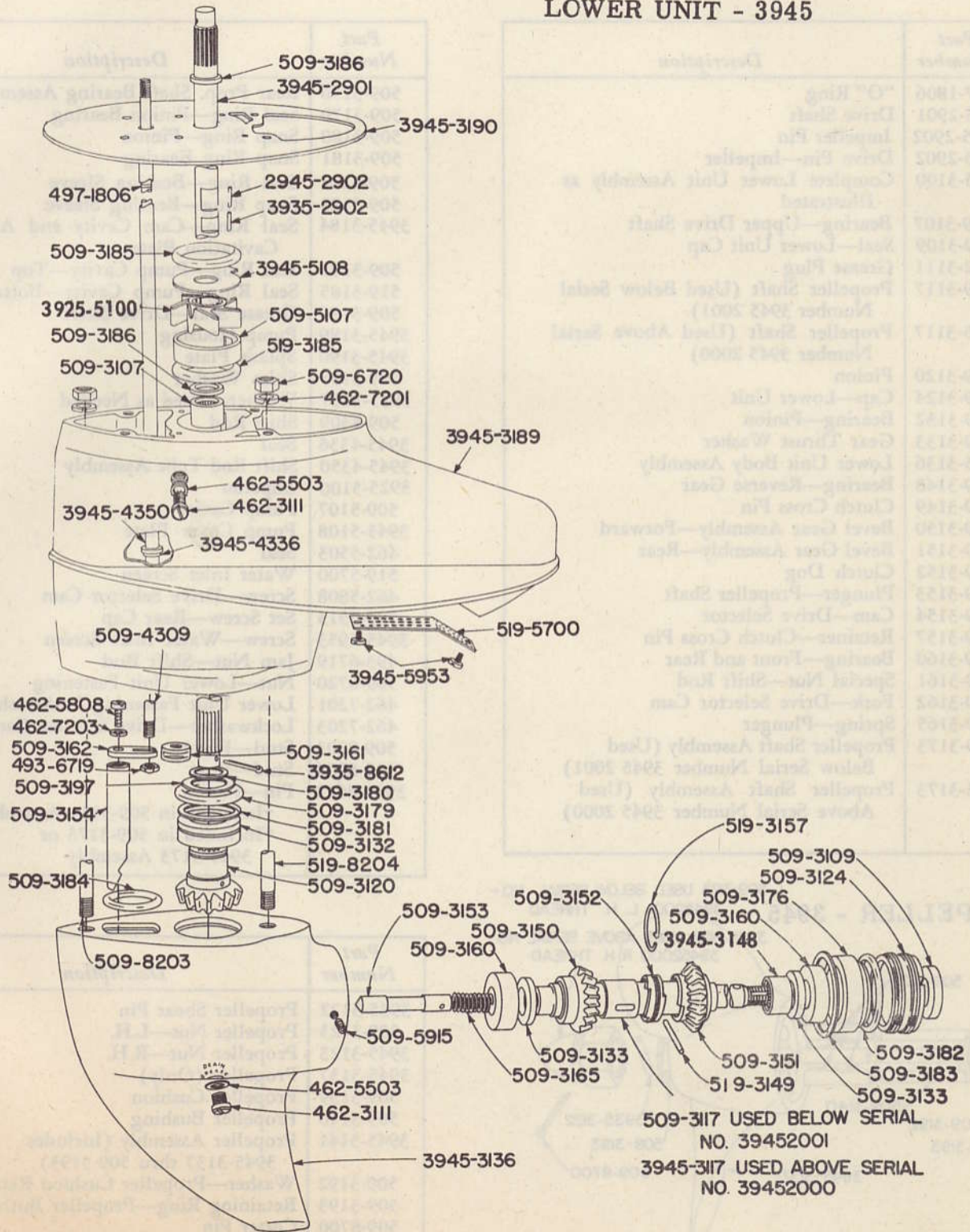
PROPELLER - 3945



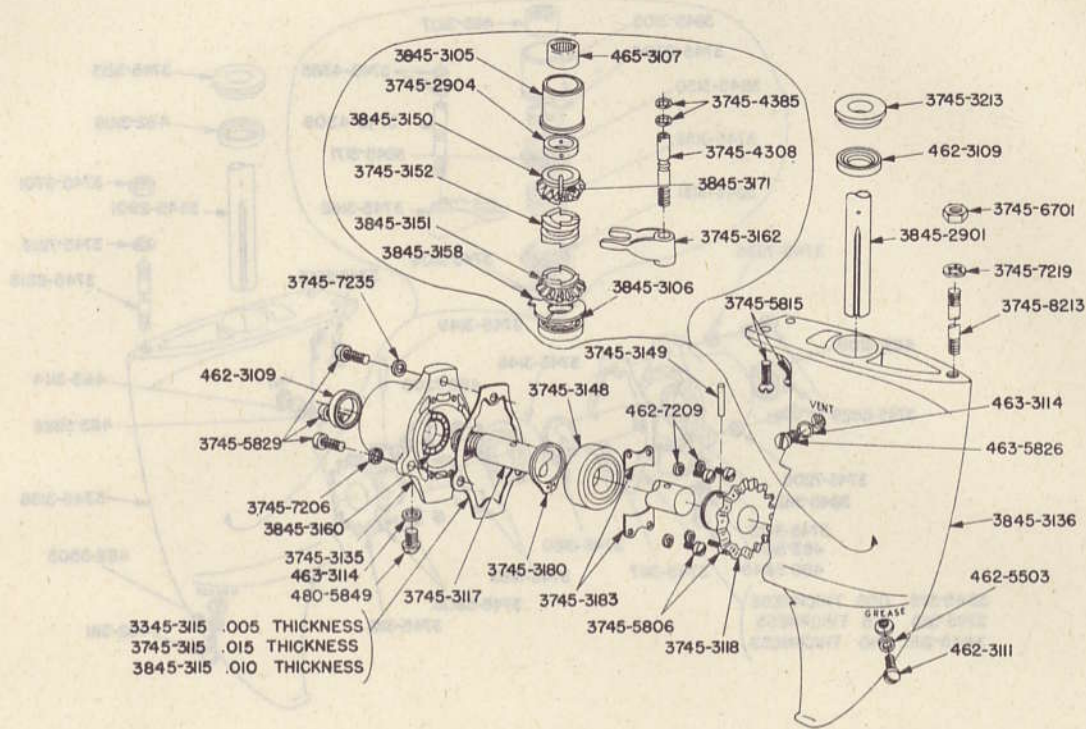
Part Number	Description
3935-3122	Propeller Shear Pin
509-3123	Propeller Nut—L.H.
3945-3123	Propeller Nut—R.H.
3945-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
3945-3141	Propeller Assembly (Includes 3945-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin

LOWER UNIT - 3945

LOWER UNIT - 3945



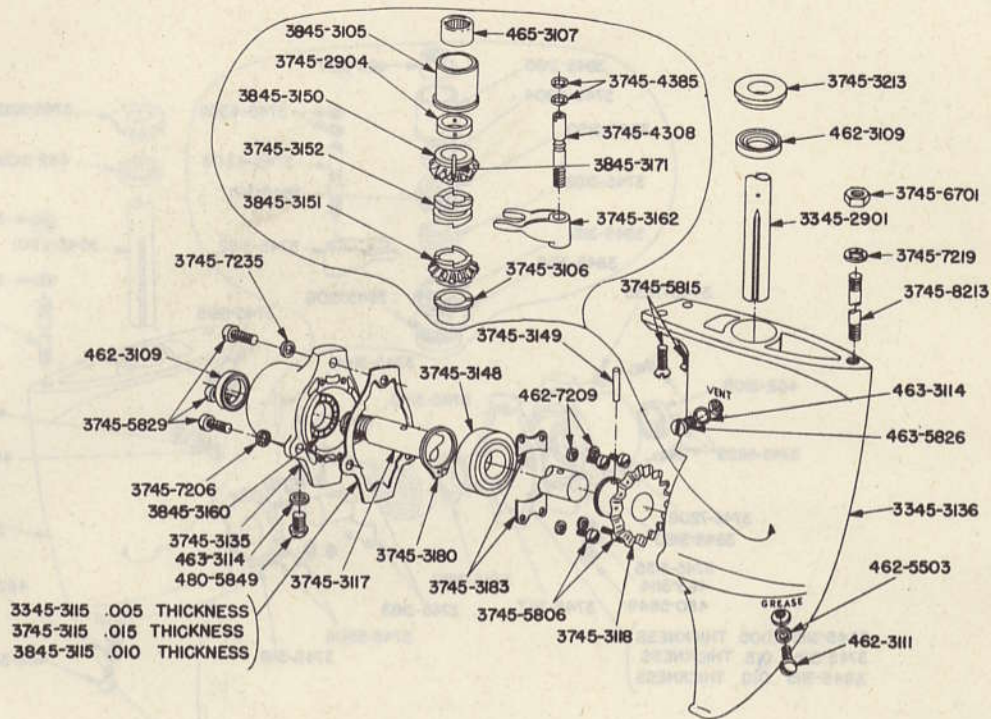
LOWER UNIT - 3845



Part Number	Description
3845-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3845-3100	Lower Unit (Complete as Illustrated)
3845-3105	Bearing Retainer—Upper—Drive Shaft
3845-3106	Bearing—Lower—Drive Shaft
465-3107	Roller Bearing—Upper—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
463-3114	Seal
3345-3115	Gasket—.005 Thickness (Blue)
3745-3115	Gasket—.015 Thickness (Pink)
3845-3115	Gasket—.010 Thickness (Brown)
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3845-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3845-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Gear—Forward
3845-3151	Gear—Rear

Part Number	Description
3745-3152	Clutch Dog
3845-3158	Thrust Washer
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
*3745-3183	Retainer Plate—Front Bearing
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
480-5849	Drain Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
*Included in 3745-3173 Assembly	

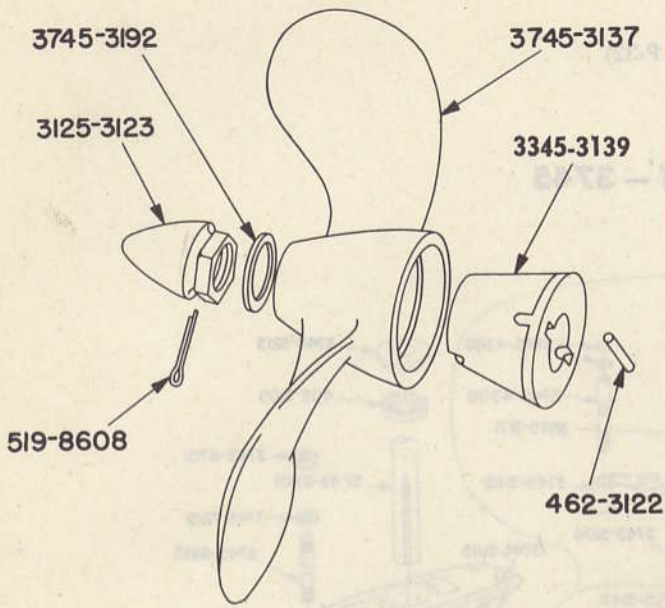
LOWER UNIT - 3345



Part Number	Description
3345-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3345-3100	Lower Unit (Complete as Illustrated)
3845-3105	Bearing Retainer—Upper—Drive Shaft
3745-3106	Bearing—Lower—Drive Shaft
465-3107	Roller Bearing—Upper—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
463-3114	Seal
3345-3115	Gasket—.005 Thickness (Blue)
3745-3115	Gasket—.015 Thickness (Pink)
3845-3115	Gasket—.010 Thickness (Brown)
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3345-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3345-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Gear—Forward
3845-3151	Gear—Rear

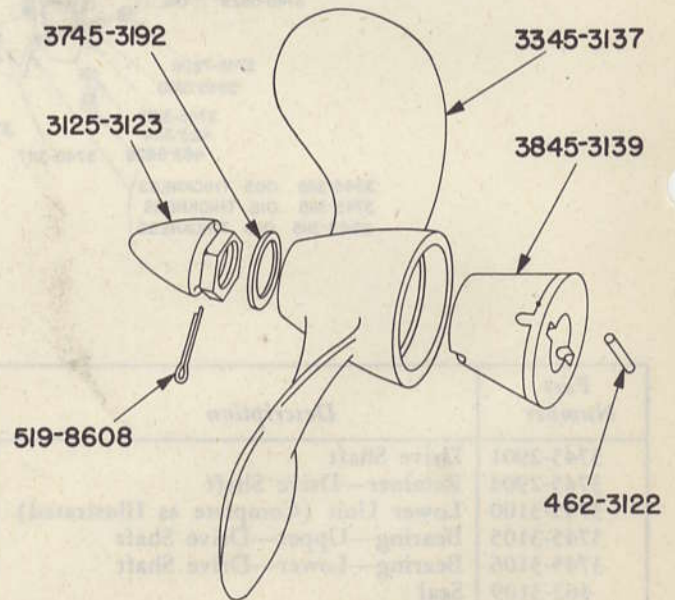
Part Number	Description
3745-3152	Clutch Dog
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
*3745-3183	Retainer Plate—Front Bearing
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
480-5849	Drain Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
*Included in 3745-3173 Assembly	

PROPELLER — 3745



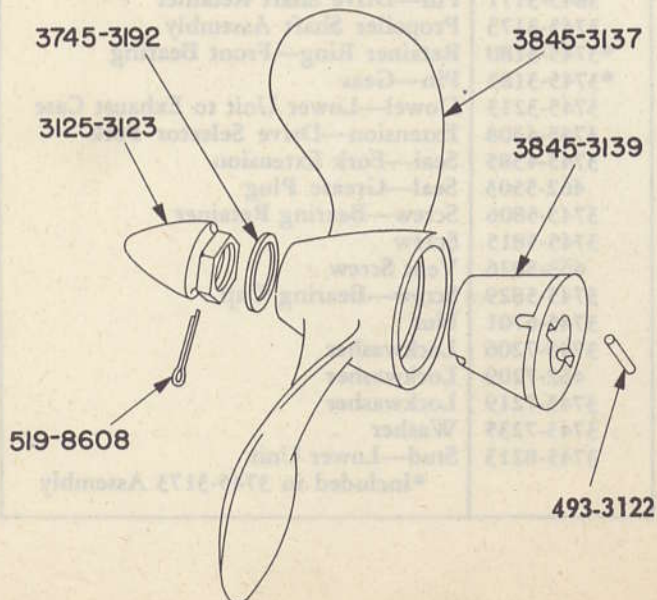
Part Number	Description
462-3122	Shear Pin
3125-3123	Nut—Propeller
519-8608	Cotter Pin
3745-3141	Propeller Assembly (Complete)
3745-3137	Propeller (Only)
3345-3139	Cushion—Propeller
3745-3192	Washer—Propeller

PROPELLER — 3345



Part Number	Description
462-3122	Shear Pin
3125-3123	Nut—Propeller
519-8608	Cotter Pin
3345-3141	Propeller Assembly (Complete)
3345-3137	Propeller (Only)
3845-3139	Cushion—Propeller
3745-3192	Washer—Propeller

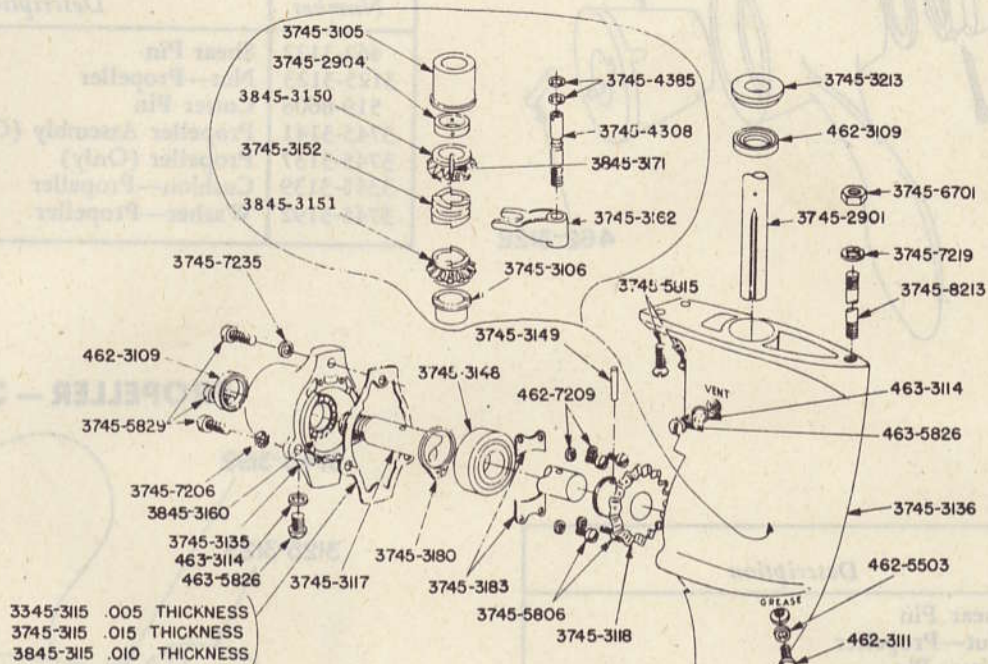
PROPELLER — 3845, 3855



Part Number	Description
493-3122	Shear Pin
3125-3123	Nut—Propeller
3845-3137	Propeller (only)
3845-3139	Cushion—Propeller
3845-3141	Propeller Assembly (complete)
3745-3192	Washer—Propeller
519-8608	Cotter Pin

(LOWER UNIT — 3045 P-32)

LOWER UNIT — 3745



Part Number	Description
3745-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3745-3100	Lower Unit (Complete as Illustrated)
3745-3105	Bearing—Upper—Drive Shaft
3745-3106	Bearing—Lower—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
463-3114	Seal
3345-3115	Gasket—.005 Thickness (Blue)
3745-3115	Gasket—.015 Thickness (Pink)
3845-3115	Gasket—.010 Thickness (Brown)
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3745-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3745-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Forward Gear Assy.
3845-3151	Reverse Gear Assy.

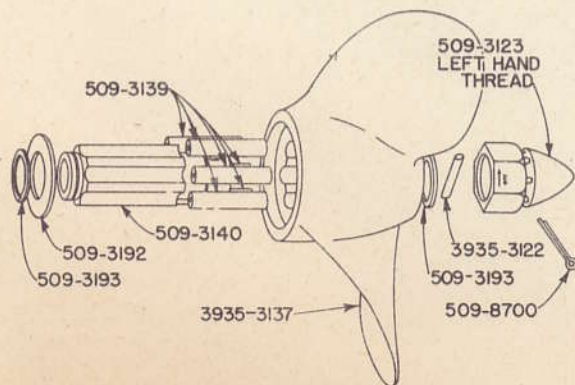
Part Number	Description
3745-3152	Clutch Dog
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
*3745-3183	Pin—Gear
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
	*Included in 3745-3173 Assembly

LOWER UNIT 3935

Part Number	Description
497-1806	"O" Ring
3935-2901	Drive Shaft
3935-2902	Impeller Pin
3935-3100	Complete Lower Unit Assembly as Illustrated
519-3102	Lower Unit—Top Section
519-3103	Anti-Cavitation Plate
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
*509-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
519-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front & Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3170	Grommet
509-3173	Propeller Shaft Assembly
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring Bearing

Part Number	Description
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
509-3184	Seal Ring—Cam Cavity & Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
509-3187	Grommet Shift Tube
519-3189	Pump Housing
509-3191	Seal Ring—Drive Shaft Lower Pump Housing
509-3197	Shim Washer
509-4309	Shift Rod
509-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
509-5108	Pump Cover Plate
462-5503	Gasket—Grease Plug
519-5700	Water Inlet Screen
519-5700	Water Inlet Screen
462-5808	Screw—Drive Selector Cam
480-5865	Screw—Anti-Cavitation Plate
509-5915	Set Screw—Rear Cap
519-5956	Screw—Water Inlet Screen
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
462-7210	Lockwasher—Anti-Cavitation Plate Screw
509-8203	Stud—Front
519-8204	Stud—Rear
3935-8612	Pin—Pinion
†Included in 509-3151 Assembly	
*Included in 509-3173 Assembly	

Early Model - See 3925



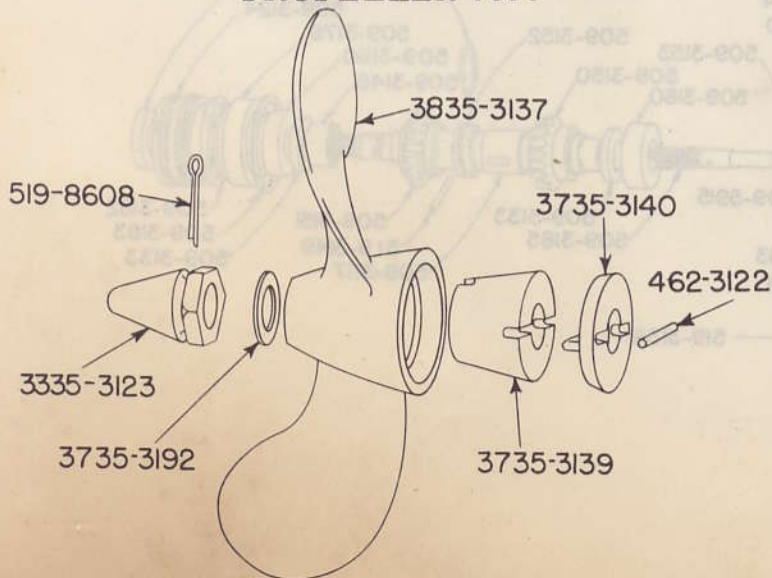
PROPELLER 3935

Part Number	Description
3935-3122	Propeller Shear Pin
509-3123	Propeller Nut
3935-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
3935-3141	Propeller Assembly (Includes 3935-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin

LOWER UNIT 3835

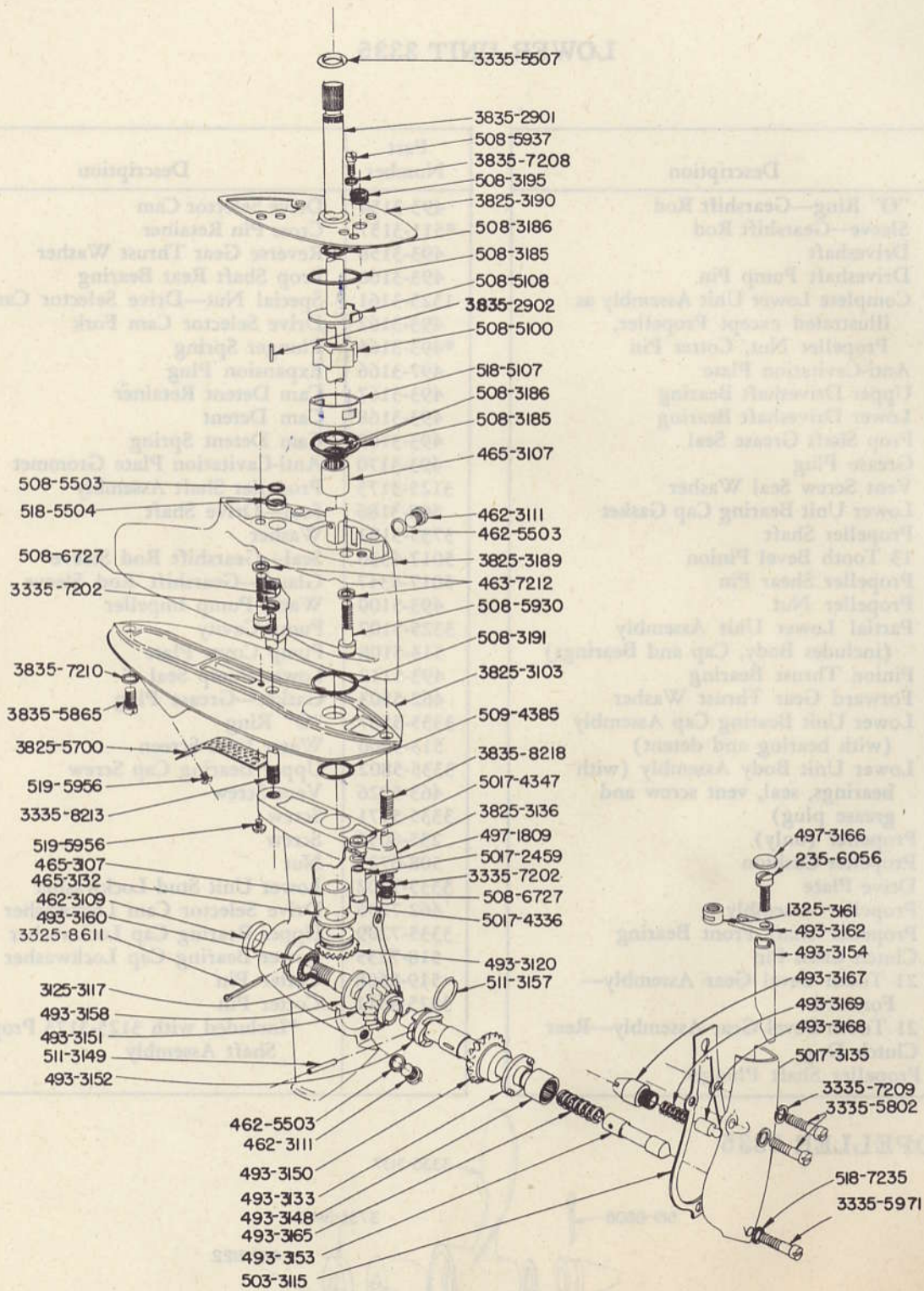
Part Number	Description
497-1809	"O" Ring—Gearshift Rod
5017-2459	Sleeve—Gearshift Rod
3835-2901	Driveshaft
3835-2902	Driveshaft Pump Pin
3835-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin
3825-3103	Anti-Cavitation Plate
465-3107	Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
503-3115	Lower Unit Bearing Cap Gasket
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
462-3122	Propeller Shear Pin
3335-3123	Propeller Nut
3825-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
3825-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
3835-3137	Propeller (only)
3735-3139	Propeller Cushion
3735-3140	Drive Plate
3835-3141	Propeller Assembly
493-3148	Propeller Shaft Front Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog

PROPELLER 3835



Part Number	Description
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
1325-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
3125-3173	Propeller Shaft Assembly
508-3185	Seal
508-3186	Seal
3825-3189	Housing
3825-3190	Splash Plate
508-3191	Seal
3735-3192	Washer
508-3195	Grommet
5017-4336	Seal—Gearshift Rod Sleeve
5017-4347	Gland—Gearshift Rod Sleeve
509-4385	Seal
508-5100	Water Pump Impeller
518-5107	Pump Cavity
508-5108	Pump Cover Plate
462-5503	Gasket—Grease Plug
508-5503	Seal
518-5504	Sleeve
3335-5507	"O" Ring
3825-5700	Water Inlet Screen
3335-5802	Upper Bearing Cap Screw
3835-5865	Screw
508-5930	Screw
508-5937	Screw
519-5956	Screw
3335-5971	Screw
235-6056	Screw
508-6727	Nut
3335-7202	Lower Unit Stud Lockwasher
3835-7208	Lockwasher
3335-7209	Upper Bearing Cap Lockwasher
3835-7210	Lockwasher
463-7212	Lockwasher
518-7235	Lower Bearing Cap Lockwasher
3335-8213	Stud
3835-8218	Stud
519-8608	Cotter Pin
3325-8611	Cotter Pin
*Included with 3125-3173 Propeller Shaft Assembly	

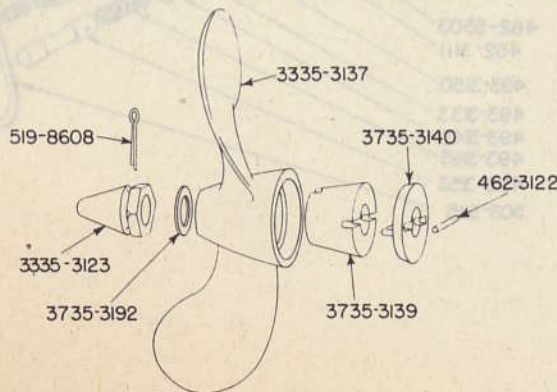
LOWER UNIT 3835



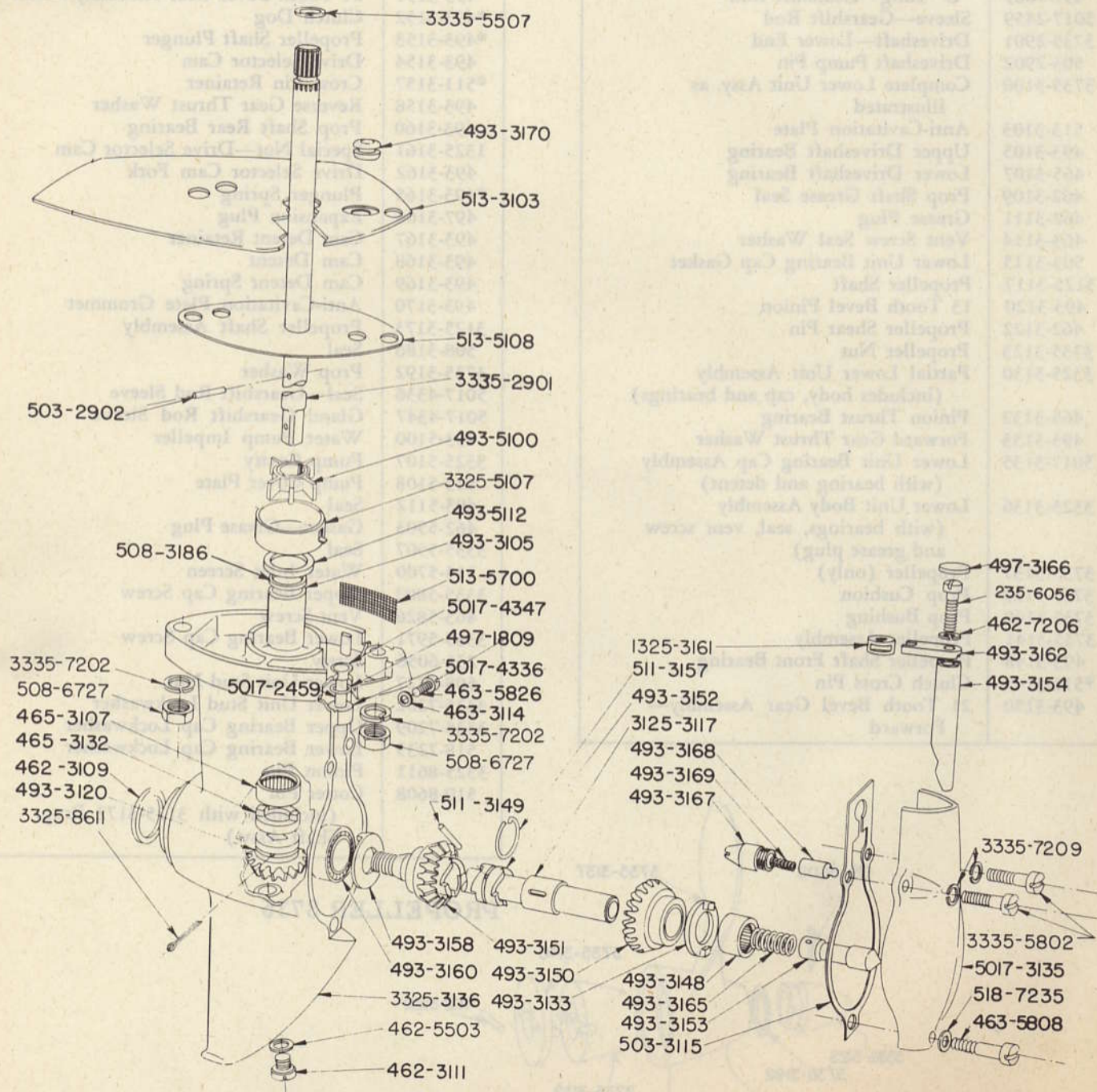
LOWER UNIT 3335

Part Number	Description	Part Number	Description
497-1809	"O" Ring—Gearshift Rod	493-3154	Drive Selector Cam
5017-2459	Sleeve—Gearshift Rod	*511-3157	Cross Pin Retainer
3335-2901	Driveshaft	493-3158	Reverse Gear Thrust Washer
503-2902	Driveshaft Pump Pin	493-3160	Prop Shaft Rear Bearing
3335-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin	1325-3161	Special Nut—Drive Selector Cam
		493-3162	Drive Selector Cam Fork
513-3103	Anti-Cavitation Plate	*493-3165	Plunger Spring
493-3105	Upper Driveshaft Bearing	497-3166	Expansion Plug
465-3107	Lower Driveshaft Bearing	493-3167	Cam Detent Retainer
462-3109	Prop Shaft Grease Seal	493-3168	Cam Detent
462-3111	Grease Plug	493-3169	Cam Detent Spring
463-3114	Vent Screw Seal Washer	493-3170	Anti-Cavitation Plate Grommet
503-3115	Lower Unit Bearing Cap Gasket	3125-3173	Propeller Shaft Assembly
*3125-3117	Propeller Shaft	508-3186	Seal—Drive Shaft
493-3120	13 Tooth Bevel Pinion	3735-3192	Washer
462-3122	Propeller Shear Pin	5017-4336	Seal—Gearshift Rod Sleeve
3335-3123	Propeller Nut	5017-4347	Gland—Gearshift Rod Sleeve
3325-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)	493-5100	Water Pump Impeller
465-3132	Pinion Thrust Bearing	3325-5107	Pump Cavity
493-3133	Forward Gear Thrust Washer	513-5108	Pump Cover Plate
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)	493-5112	Lower Pump Seal
3325-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)	462-5503	Gasket—Grease Plug
3335-3137	Propeller (only)	3335-5507	"O" Ring
3735-3139	Propeller Cushion	513-5700	Water Inlet Screen
3735-3140	Drive Plate	3335-5802	Upper Bearing Cap Screw
3335-3141	Propeller Assembly	463-5826	Vent Screw
493-3148	Propeller Shaft Front Bearing	3335-5971	Screw
*511-3149	Clutch Cross Pin	235-6056	Screw
493-3150	21 Tooth Bevel Gear Assembly—Forward	508-6727	Nut
493-3151	21 Tooth Bevel Gear Assembly—Rear	3335-7202	Lower Unit Stud Lockwasher
*493-3152	Clutch Dog	462-7206	Drive Selector Cam Lockwasher
*493-3153	Propeller Shaft Plunger	3335-7209	Upper Bearing Cap Lockwasher
		518-7235	Lower Bearing Cap Lockwasher
		519-8608	Cotter Pin
		3325-8611	Cotter Pin
			*Included with 3125-3173 Propeller Shaft Assembly

PROPELLER 3335



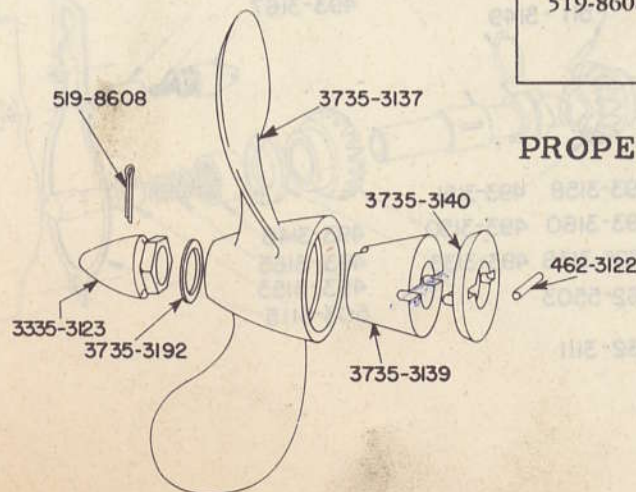
LOWER UNIT 3335



LOWER UNIT 3735

Part Number	Description
497-1809	"O" Ring—Gearshift Rod
5017-2459	Sleeve—Gearshift Rod
3735-2901	Driveshaft—Lower End
503-2902	Driveshaft Pump Pin
3735-3100	Complete Lower Unit Assy. as illustrated
513-3105	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
462-3122	Propeller Shear Pin
3335-3123	Propeller Nut
3325-3130	Partial Lower Unit Assembly (includes body, cap and bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
3325-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
3735-3137	Propeller (only)
3735-3139	Prop Cushion
3735-3140	Prop Bushing
3735-3141	Propeller Assembly
493-3148	Propeller Shaft Front Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward

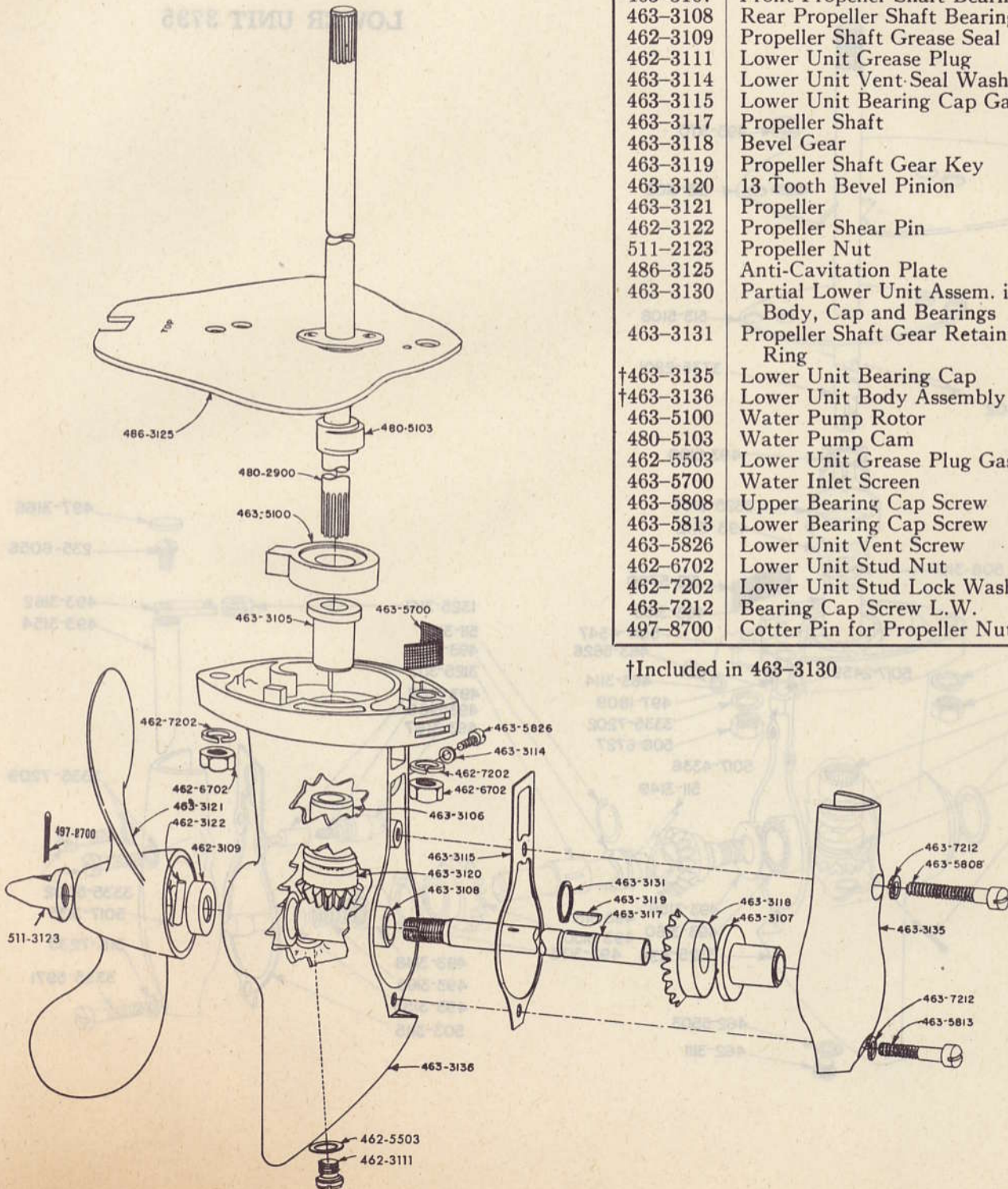
Part Number	Description
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
1325-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
3125-3173	Propeller Shaft Assembly Seal
508-3186	Seal
3735-3192	Prop Washer
5017-4336	Seal—Gearshift Rod Sleeve
5017-4347	Gland Gearshift Rod Sleeve
493-5100	Water Pump Impeller
3325-5107	Pump Cavity
513-5108	Pump Cover Plate
493-5112	Seal
462-5503	Gasket—Grease Plug
3335-5507	Seal
513-5700	Water Inlet Screen
3335-5802	Upper Bearing Cap Screw
463-5826	Vent Screw
3335-5971	Lower Bearing Cap Screw
235-6056	Screw
508-6727	Lower Unit Stud Nut
3335-7202	Lower Unit Stud Lockwasher
3335-7209	Upper Bearing Cap Lockwasher
518-7235	Lower Bearing Cap Lockwasher
3325-8611	Pinion Pin
519-8608	Cotter Pin (included with 3125-3173 Prop. Shaft Assy.)



PROPELLER 3735

LOWER UNIT 3035

Part Number	Description
480-2900	Driveshaft and Cam Assembly
486-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
463-3121	Propeller
462-3122	Propeller Shear Pin
511-2123	Propeller Nut
486-3125	Anti-Cavitation Plate
463-3130	Partial Lower Unit Assem. includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
†463-3135	Lower Unit Bearing Cap
†463-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
462-5503	Lower Unit Grease Plug Gasket
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lock Washer
463-7212	Bearing Cap Screw L.W.
497-8700	Cotter Pin for Propeller Nut

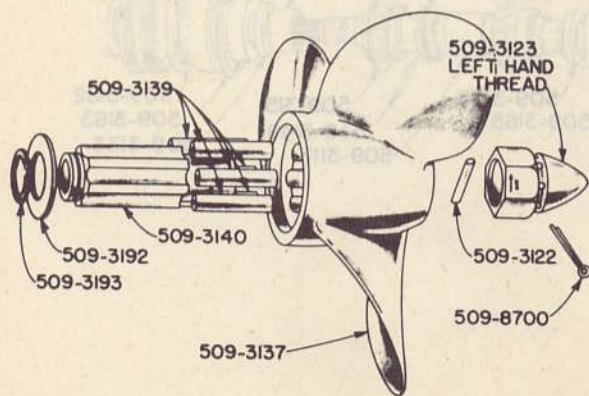


†Included in 463-3130

LOWER UNIT 3925

Part Number	Description
497-1806	"O" Ring
3925-2901	Drive Shaft—Lower End
3925-2902	Impeller Pin
3925-2905	Drive Shaft Pin
3925-2906	Drive Shaft Assembly
3925-2909	Drive Shaft Key
3925-2912	Drive Shaft Coupling
3925-3100	Complete Lower Unit Assembly as Illustrated
519-3102	Lower Unit—Top Section
519-3103	Anti-Cavitation Plate
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
*509-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
519-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front & Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3170	Grommet
509-3171	Pin—Pinion

Part Number	Description
509-3173	Propeller Shaft Assembly
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring—Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
509-3184	Seal Ring—Cam Cavity & Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
509-3187	Grommet Shift Tube
519-3189	Pump Housing
509-3191	Seal Ring—Drive Shaft Lower Pump Housing
509-3197	Shim Washer
509-4309	Shift Rod
509-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
509-5108	Pump Cover Plate
519-5700	Water Inlet Screen
462-5808	Screw—Drive Selector Cam
480-5865	Screw—Anti-Cavitation Plate
509-5915	Set Screw—Rear Cap
519-5956	Screw—Water Inlet Screen
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
462-7210	Lockwasher—Anti-Cavitation Plate Screw
509-8203	Stud—Front
519-8204	Stud—Rear
†Included in 509-3151 Assembly	
*Included in 509-3173 Assembly	

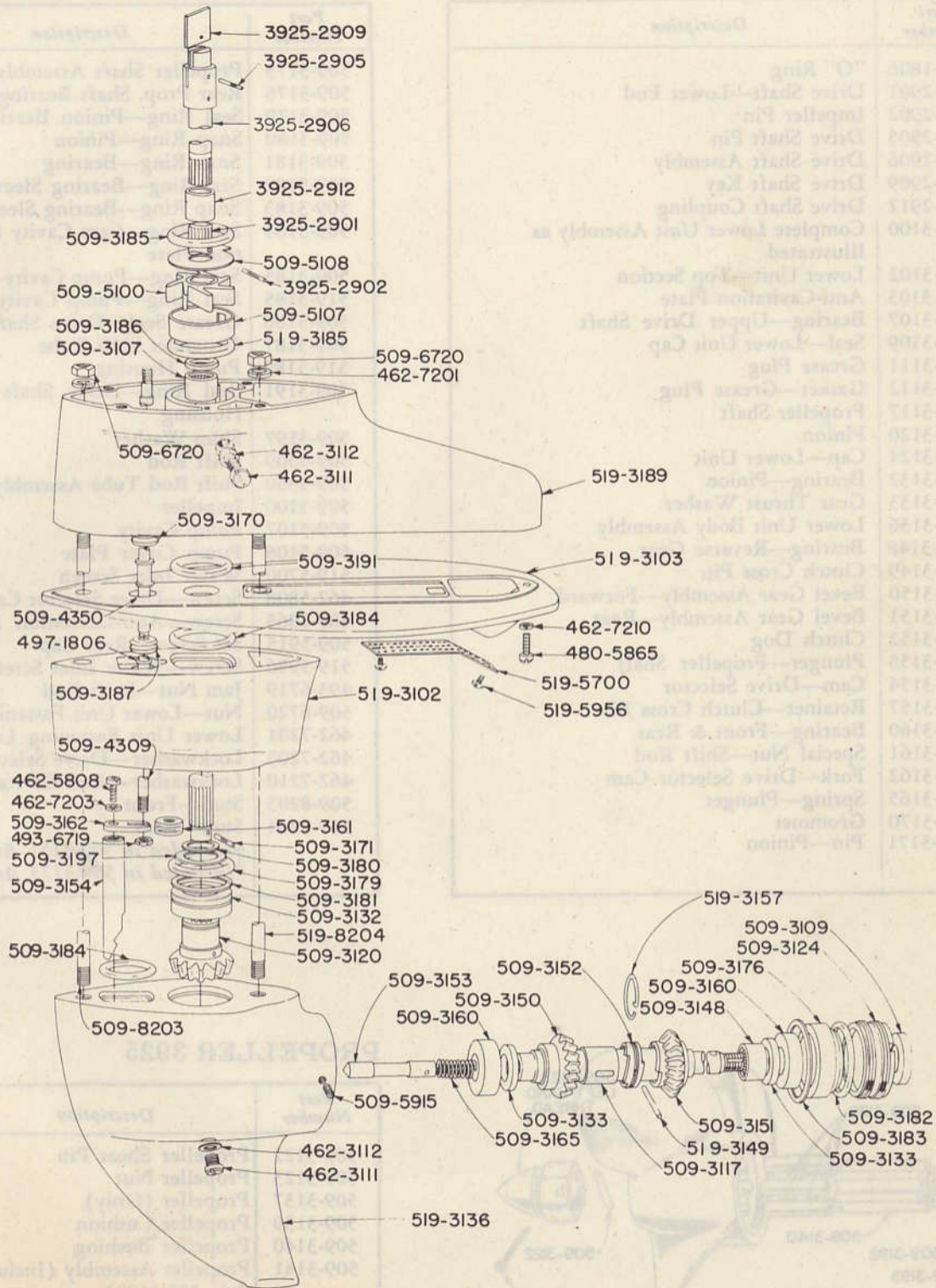


PROPELLER 3925

Part Number	Description
509-3122	Propeller Shear Pin
509-3123	Propeller Nut
509-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
509-3141	Propeller Assembly (Includes 509-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin

LOWER UNIT 3925

LOWER UNIT 3925

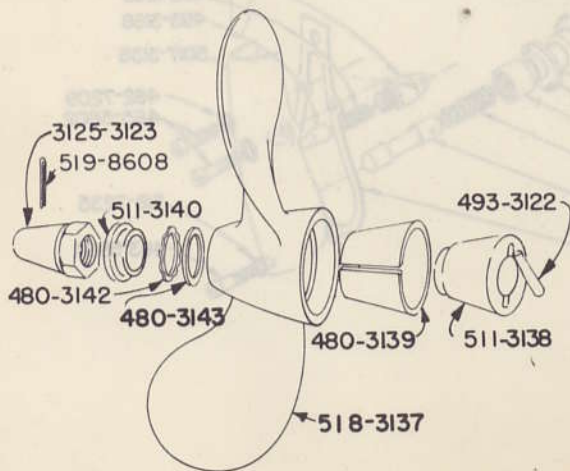


LOWER UNIT 3825

Part Number	Description
497-1809	"O" Ring Shift Rod
5017-2459	Sleeve—Shift Rod
508-2901	Drive Shaft—Lower End
503-2902	Drive Shaft Pump Pin
3825-2904	Drive Shaft Sleeve
3825-2907	Drive Shaft Spring
3825-2912	Drive Shaft Coupling
3825-3100	Complete Lower Unit Assembly— Assemble as Illustrated
3825-3103	Anti-Cavitation Plate
465-3107	Drive Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
503-3115	Gasket—Lower Unit Bearing Cap
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
3825-3130	Partial Lower Unit Assembly (Includes Body Cap and Bearings)
465-3132	Bearing—Pinion Thrust
493-3133	Thrust Washer—Forward Gear
5017-3135	Lower Unit Bearing Cap Assembly
3825-3136	Lower Unit Body Assembly
493-3148	Propeller Shaft Front & Reverse Gear Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly— Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Plunger—Propeller Shaft
493-3154	Cam—Drive Selector
*511-3157	Cross Pin Retainer
493-3158	Thrust Washer—Reverse Gear
493-3160	Bearing—Propeller Shaft Rear
493-3161	Special Nut—Drive Selector Cam
493-3162	Fork—Drive Selector Cam
*493-3165	Spring—Plunger
497-3166	Expansion Plug

Part Number	Description
493-3167	Retainer—Cam Detent
493-3168	Detent—Cam
493-3169	Spring—Cam Detent
3125-3173	Propeller Shaft Assembly
508-3185	Seal Ring—Pump Cavity
508-3186	Seal Ring—Drive Shaft
3825-3189	Pump Housing
3825-3190	Splash Plate
508-3191	Seal Ring—Pump Housing
508-3195	Grommet—Splash Plate
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
509-4385	Seal Ring—Lower Unit
508-5100	Water Pump Impeller
518-5107	Pump Cavity
508-5108	Pump Cover Plate
508-5503	Seal Ring—Water Line
518-5504	Sleeve—Inlet Water Line
3825-5700	Water Inlet Screen
465-5802	Screw—Upper Bearing Cap
463-5808	Screw—Lower Bearing Cap
480-5865	Screw—Anti-Cavitation Plate
493-5883	Screw—Drive Selector Cam
508-5930	Screw—Lower Unit Fastening
508-5937	Screw—Splash Plate
519-5956	Screw—Water Inlet Screen
462-6702	Nut
508-6727	Nut
462-7202	Lockwasher
462-7206	Lockwasher—Drive Selector Cam
462-7208	Lockwasher—Splash Plate Screw
462-7209	Lockwasher—Upper Bearing Cap Screw
462-7210	Lockwasher
463-7212	Lockwasher
518-7235	Washer—Lower Bearing Cap Screw
493-8213	Stud—Lower Unit—Rear
508-8218	Stud—Pump Housing
3325-8611	Cotter Pin—Pinion

*Included with 3125-3173 Propeller Shaft Assembly

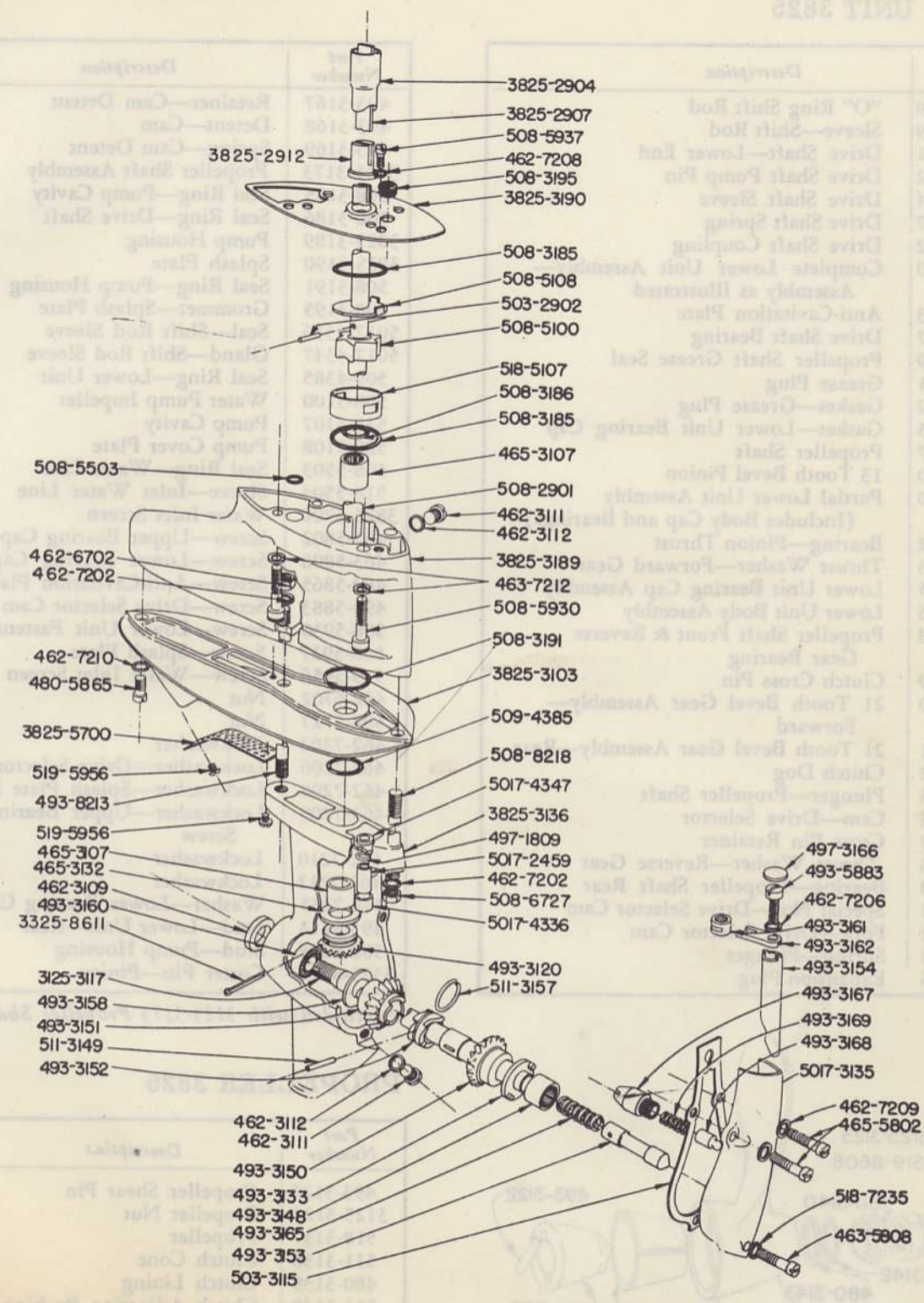


PROPELLER 3825

Part Number	Description
493-3122	Propeller Shear Pin
3125-3123	Propeller Nut
518-3137	Propeller
511-3138	Clutch Cone
480-3139	Clutch Lining
511-3140	Clutch Adjusting Bushing
480-3142	Spring Washer
480-3143	Resilient Washer
519-8608	Cotter Pin

LOWER UNIT 3825

LOWER UNIT 3825

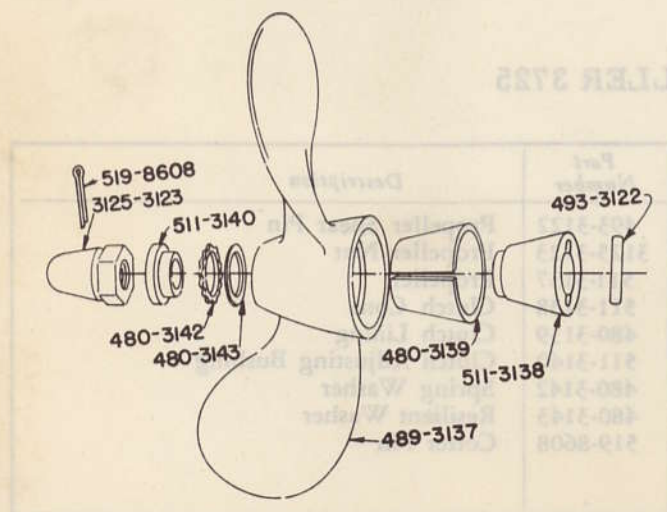


LOWER UNIT 3325

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
3325-2901	Drive Shaft—Lower End
503-2902	Driveshaft Pump Pin
3325-2904	Drive Shaft Sleeve
3325-2907	Drive Shaft Spring
3325-3100	Complete Lower Unit Assembly as illustrated
513-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front & Reverse Gear Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward

Part Number	Description
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Clutch Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
3125-3173	Propeller Shaft Assembly
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
493-5108	Pump Cover Plate
493-5112	Lower Pump Seal
513-5700	Inlet Water Screen
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
518-7235	Lower Bearing Cap Lockwasher
3325-8611	Cotter Pin—Pinion

*Included with 3125-3173 Propeller Shaft Assembly



PROPELLER 3325

Part Number	Description
493-3122	Propeller Shear Pin
3125-3123	Propeller Nut
489-3137	Propeller
511-3138	Clutch Cone
480-3139	Clutch Lining
511-3140	Clutch Adjusting Bushing
480-3142	Spring Washer
480-3143	Resilient Washer
519-8608	Cotter Pin

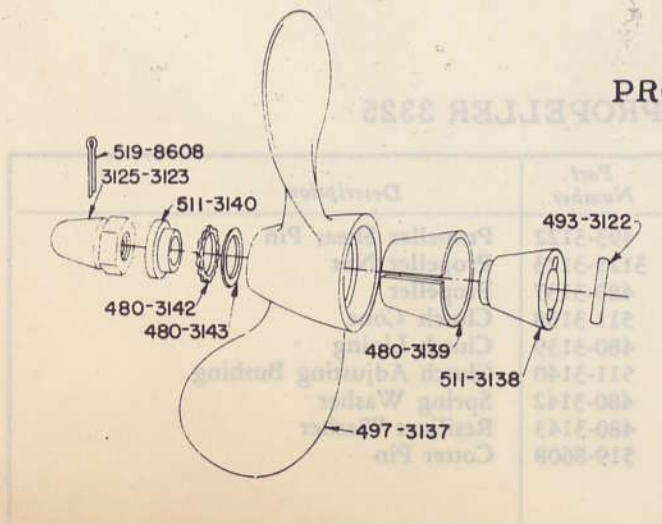
LOWER UNIT 3725

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
3725-2901	Drive Shaft—Lower End
503-2902	Driveshaft Pump Pin
3325-2904	Drive Shaft Sleeve
3325-2907	Drive Shaft Spring
3725-3100	Complete Lower Unit Assembly as illustrated
513-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front & Reverse Gear Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward

Part Number	Description
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Clutch Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
3125-3173	Propeller Shaft Assembly
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
513-5108	Pump Cover Plate
493-5112	Lower Pump Seal
513-5700	Inlet Water Screen
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
518-7235	Lower Bearing Cam Lockwasher
3325-8611	Cotter Pin—Pinion

*Included with 3125-3173 Propeller Shaft Assembly

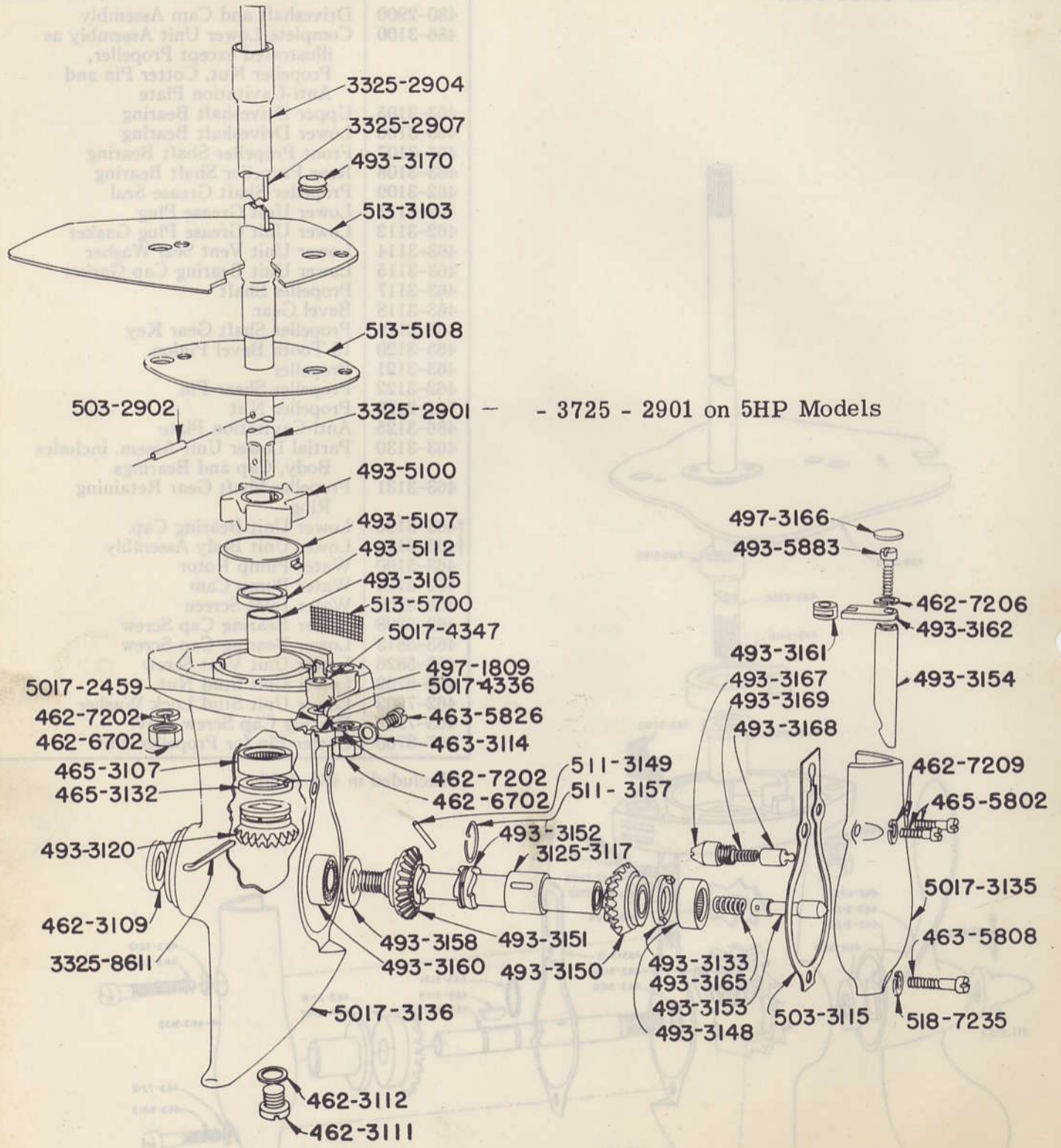
PROPELLER 3725



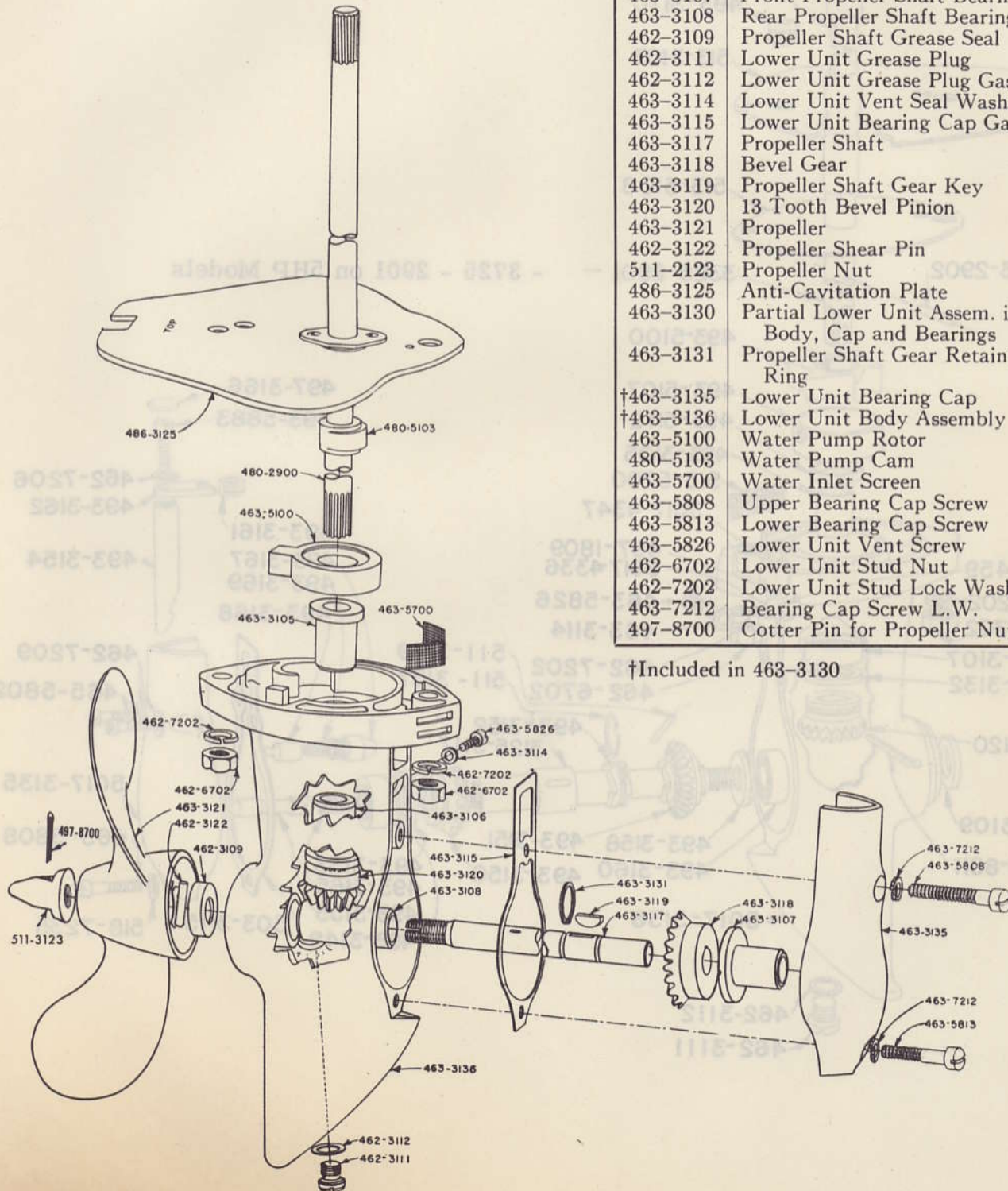
Part Number	Description
493-3122	Propeller Shear Pin
3125-3123	Propeller Nut
511-3137	Propeller
511-3138	Clutch Cone
480-3139	Clutch Lining
511-3140	Clutch Adjusting Bushing
480-3142	Spring Washer
480-3143	Resilient Washer
519-8608	Cotter Pin

LOWER UNIT 3725 and 3325

LOWER UNIT 3025



LOWER UNIT 3025



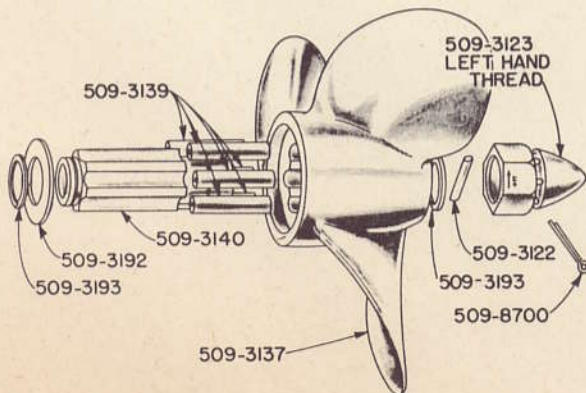
Part Number	Description
480-2900	Driveshaft and Cam Assembly
486-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
463-3121	Propeller
462-3122	Propeller Shear Pin
511-2123	Propeller Nut
486-3125	Anti-Cavitation Plate
463-3130	Partial Lower Unit Assem. includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
†463-3135	Lower Unit Bearing Cap
†463-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lock Washer
463-7212	Bearing Cap Screw L.W.
497-8700	Cotter Pin for Propeller Nut

†Included in 463-3130

LOWER UNIT - 519

Part Number	Description
509-2901	Drive Shaft—Lower End
‡509-2903	Drive Shaft—Top End
‡509-2904	Drive Shaft Sleeve
‡509-2905	Drive Shaft Pin
509-2906	Drive Shaft Sub Assembly
‡509-2907	Drive Shaft Torque Bar
509-2908	Woodruff Key
‡509-2909	Drive Shaft Key
‡509-2910	Drive Shaft—Key Pin
519-3100	Complete Lower Unit Assembly as Illustrated
509-3102	Lower Unit—Top Section
509-3103	Anti-Cavitation Plate
519-3102	Lower Unit—Top Section
519-3103	Anti-Cavitation Plate
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
*509-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
509-3136	Lower Unit Body Assembly
‡509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front & Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3170	Grommet

Part Number	Description
509-3171	Pin—Pinion
509-3173	Propeller Shaft Assembly
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring—Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
509-3184	Seal Ring—Cam Cavity & Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
509-3187	Grommet Shift Tube
519-3189	Pump Housing
519-03189	Pump Housing
509-3191	Seal Ring—Drive Shaft, Lower Pump Housing
509-4309	Shift Rod
509-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
509-5108	Pump Cover Plate
462-5808	Screw—Drive Selector Cam
480-5865	Screw—Anti-Cavitation Plate
509-5915	Set Screw—Rear Cap
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
462-7210	Lockwasher—Anti-Cavitation Plate Screw
509-8203	Stud—Front
509-8204	Stud—Rear
	†Included in 509-3151 Assembly
	*Included in 509-3173 Assembly
	‡Included in 509-2906 Assembly

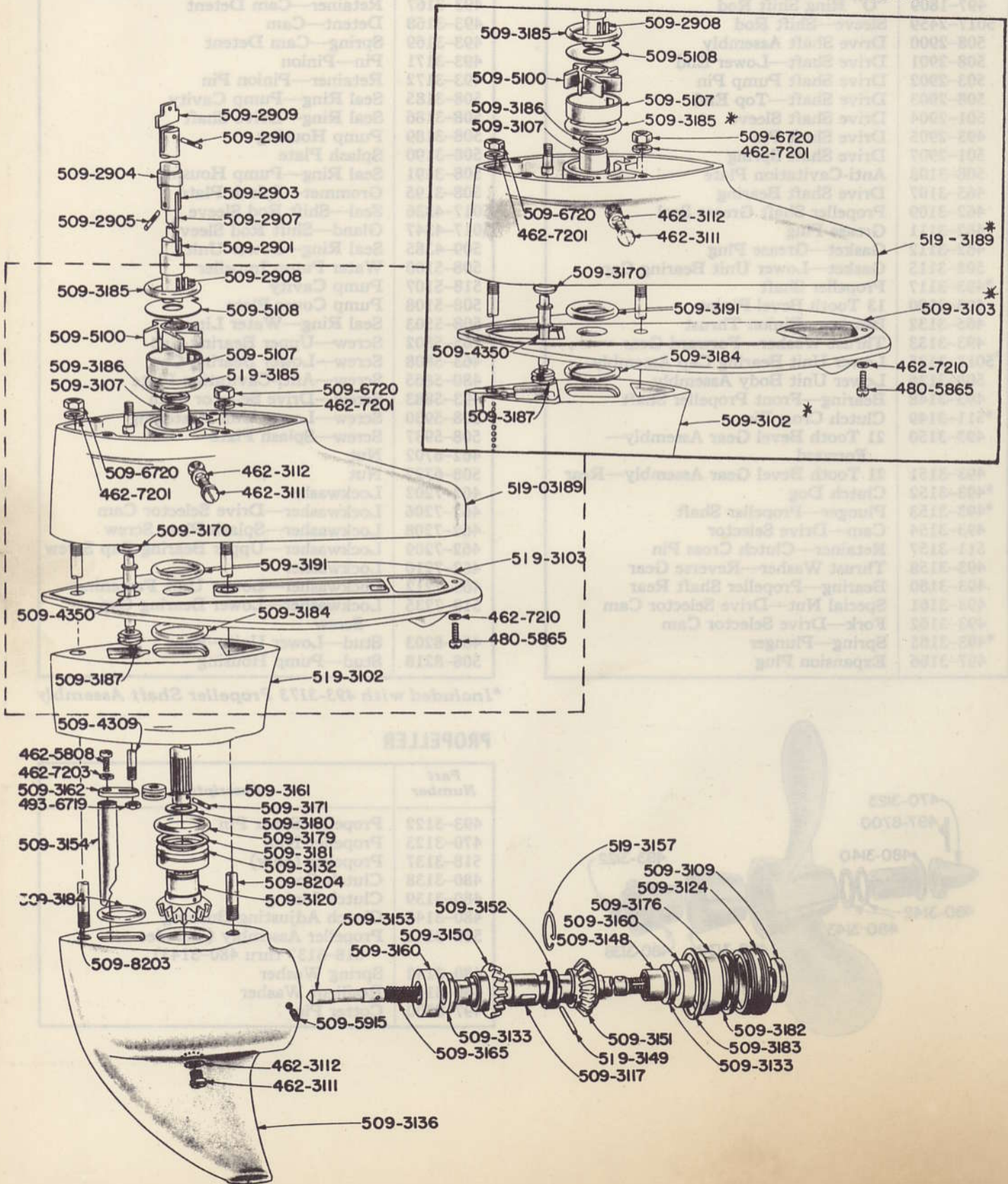


PROPELLER

Part Number	Description
509-3122	Propeller Shear Pin
509-3123	Propeller Nut
509-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
509-3141	Propeller Assembly (Includes 509-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin

LOWER UNIT - 519

Early Models - Water Inlet in Front

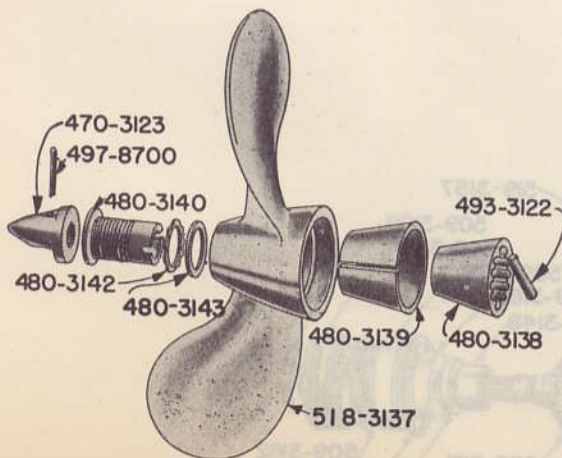


LOWER UNIT - 518

Part Number	Description
497-1809	"O" Ring Shift Rod
5017-2459	Sleeve—Shift Rod
508-2900	Drive Shaft Assembly
508-2901	Drive Shaft—Lower End
503-2902	Drive Shaft Pump Pin
508-2903	Drive Shaft—Top End
501-2904	Drive Shaft Sleeve
493-2905	Drive Shaft Pin
501-2907	Drive Shaft Spring
508-3103	Anti-Cavitation Plate
465-3107	Drive Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
503-3115	Gasket—Lower Unit Bearing Cap
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
465-3132	Bearing—Pinion Thrust
493-3133	Thrust Washer—Forward Gear
*5017-3135	Lower Unit Bearing Cap Assembly
508-3136	Lower Unit Body Assembly
493-3148	Bearing—Front Propeller Shaft
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly— Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Plunger—Propeller Shaft
493-3154	Cam—Drive Selector
511-3157	Retainer—Clutch Cross Pin
493-3158	Thrust Washer—Reverse Gear
493-3160	Bearing—Propeller Shaft Rear
493-3161	Special Nut—Drive Selector Cam
493-3162	Fork—Drive Selector Cam
*493-3165	Spring—Plunger
497-3166	Expansion Plug

Part Number	Description
493-3167	Retainer—Cam Detent
493-3168	Detent—Cam
493-3169	Spring—Cam Detent
493-3171	Pin—Pinion
493-3172	Retainer—Pinion Pin
508-3185	Seal Ring—Pump Cavity
508-3186	Seal Ring—Drive Shaft
508-3189	Pump Housing
508-3190	Splash Plate
508-3191	Seal Ring—Pump Housing
508-3195	Grommet—Splash Plate
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
509-4385	Seal Ring—Lower Unit
508-5100	Water Pump Impeller
518-5107	Pump Cavity
508-5108	Pump Cover Plate
508-5503	Seal Ring—Water Line
465-5802	Screw—Upper Bearing Cap
463-5808	Screw—Lower Bearing Cap
480-5865	Screw—Anti-Cavitation Plate
493-5883	Screw—Drive Selector Cam
508-5930	Screw—Lower Unit Fastening
508-5937	Screw—Splash Plate
462-6702	Nut
508-6727	Nut
462-7202	Lockwasher
462-7206	Lockwasher—Drive Selector Cam
462-7208	Lockwasher—Splash Plate Screw
462-7209	Lockwasher—Upper Bearing Cap Screw
462-7210	Lockwasher
463-7212	Lockwasher—Lower Unit Fastening
518-7235	Lockwasher—Lower Bearing Cap Screw
463-8203	Stud—Lower Unit—Rear
508-8218	Stud—Pump Housing

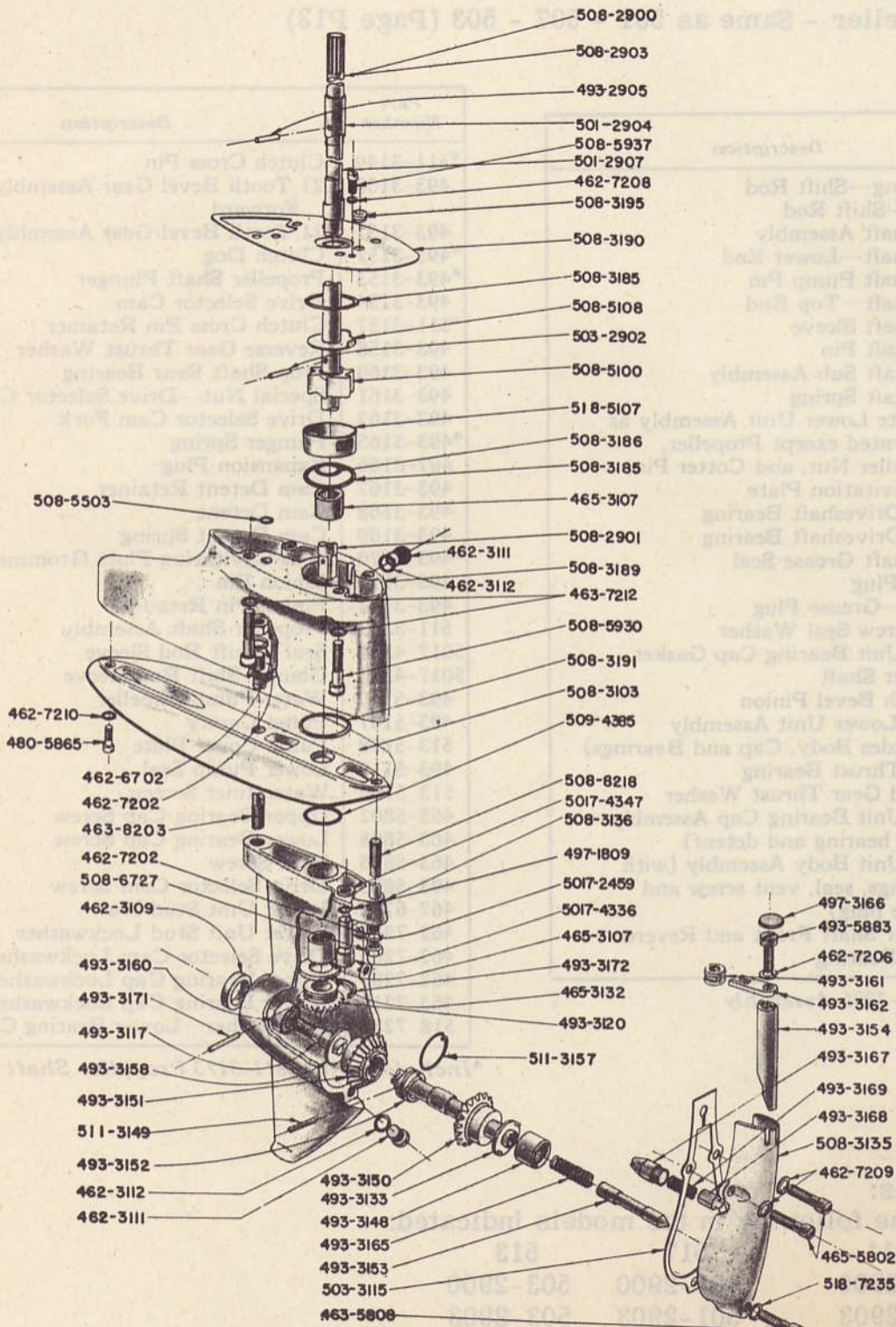
*Included with 493-3173 Propeller Shaft Assembly



PROPELLER

Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
518-3137	Propeller (only)
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
518-3141	Propeller Assembly (includes 518-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

LOWER UNIT - 518



LOWER UNIT - 511 - 517 - 513
 Propeller - Same as 501 - 507 - 503 (Page P13)

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
* 501-2900	Driveshaft Assembly
501-2901	Driveshaft—Lower End
503-2902	Driveshaft Pump Pin
* † 501-2903	Driveshaft—Top End
† 501-2904	Driveshaft Sleeve
† 493-2905	Driveshaft Pin
* 501-2906	Driveshaft Sub Assembly
† 501-2907	Driveshaft Spring
* 517-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
* 511-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front and Reverse Gear Bearing

†Included with 501-2906 Assembly

Part Number	Description
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Clutch Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
493-3171	Pinion Pin
493-3172	Pinion Pin Retainer
511-3173	Propeller Shaft Assembly
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
513-5108	Pump Cover Plate
493-5112	Lower Pump Seal
513-5700	Water Inlet Screen
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
463-7212	Lower Bearing Cap Lockwasher
518-7235	Lockwasher—Lower Bearing Cap Screw

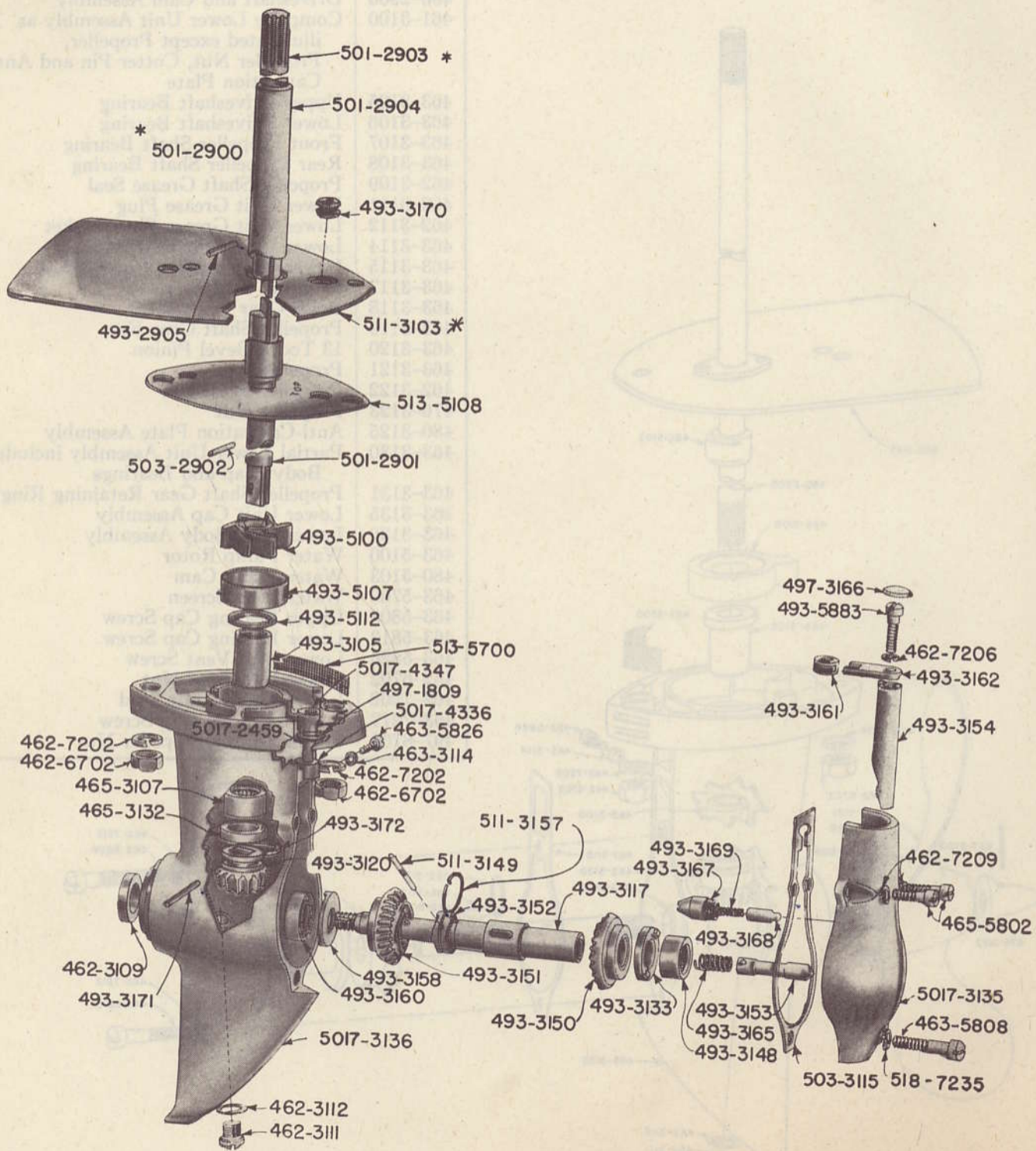
*Included with 511-3173 Propeller Shaft Assembly

* Exceptions:

Use the following in the models indicated:

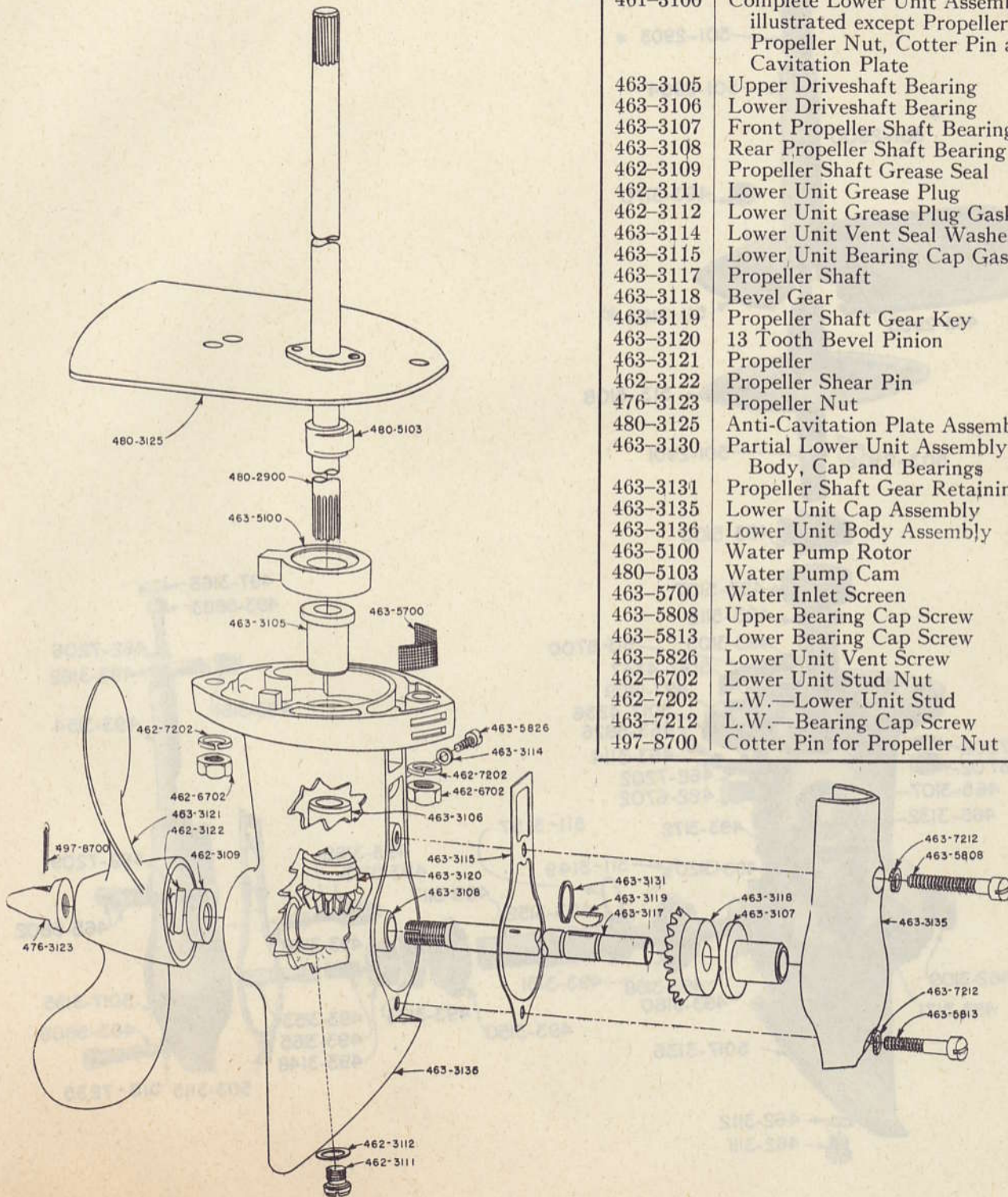
511	517	513
501-2900	501-2900	503-2900
501-2903	501-2903	503-2903
501-2906	501-2906	503-2906
511-3100	517-3100	513-3100
511-3103	513-3103	513-3100

LOWER UNIT - 511 - 517 - 513



* See exceptions on next page

LOWER UNIT - 510

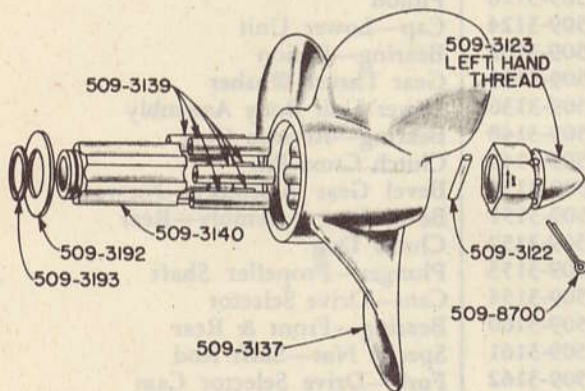


Part Number	Description
480-2900	Driveshaft and Cam Assembly
461-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
463-3121	Propeller
462-3122	Propeller Shear Pin
476-3123	Propeller Nut
480-3125	Anti-Cavitation Plate Assembly
463-3130	Partial Lower Unit Assembly includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
463-3135	Lower Unit Cap Assembly
463-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	L.W.—Lower Unit Stud
463-7212	L.W.—Bearing Cap Screw
497-8700	Cotter Pin for Propeller Nut

LOWER UNIT 509 (Continued)

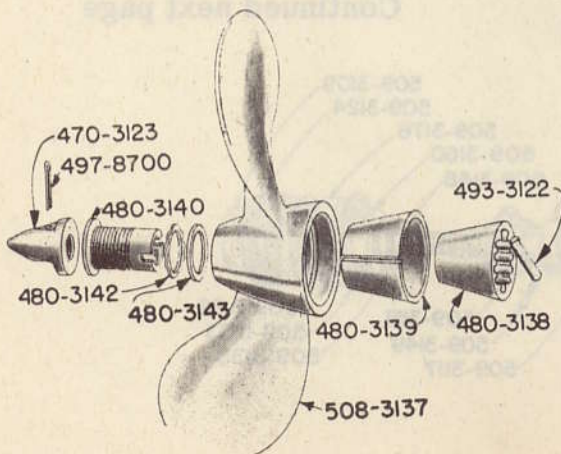
Part Number	Description
509-3171	Pin—Pinion
509-3173	Propeller Shaft Assembly
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring—Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
509-3184	Seal Ring—Cam Cavity & Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity
509-3186	Grease Seal—Drive Shaft
509-3187	Grommet Shift Tube
509-3189	Pump Housing
509-3191	Seal Ring—Drive Shaft, Lower Pump Housing
509-4309	Shift Rod

Part Number	Description
509-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
509-5108	Pump Cover Plate
462-5808	Screw—Drive Selector Cam
480-5865	Screw—Anti-Cavitation Plate
509-5915	Set Screw—Rear Cap
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
462-7210	Lockwasher—Anti-Cavitation Plate Screw
509-8203	Stud—Front
509-8204	Stud—Rear
	† Included in 509-3151 Assembly
	* Included in 509-3173 Assembly



PROPELLER 509

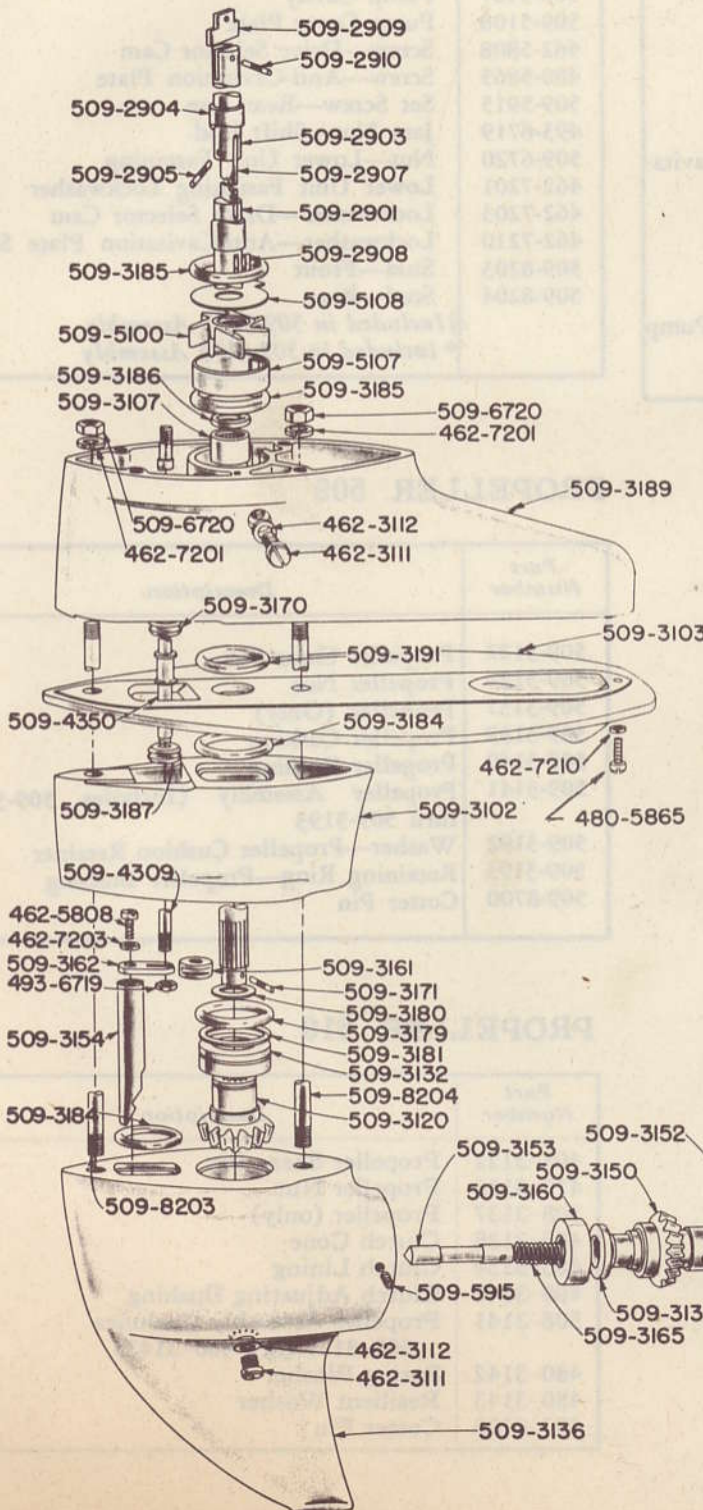
Part Number	Description
509-3122	Propeller Shear Pin
509-3123	Propeller Nut
509-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
509-3141	Propeller Assembly (Includes 509-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin



PROPELLER 518

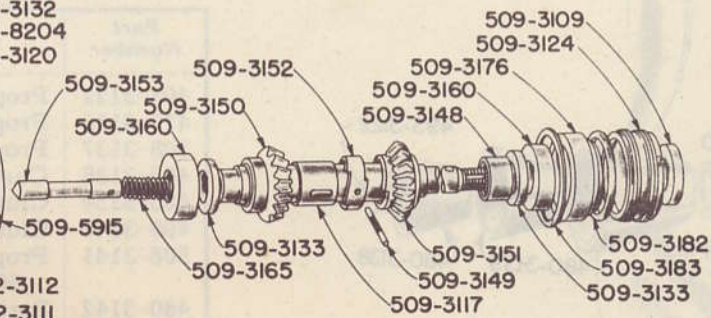
Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
508-3137	Propeller (only)
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
508-3141	Propeller Assembly (includes 508-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

LOWER UNIT 509



Part Number	Description
509-2901	Drive Shaft—Lower End
509-2903	Drive Shaft—Top End
509-2904	Drive Shaft Sleeve
509-2905	Drive Shaft Pin
509-2907	Drive Shaft Torque Bar
509-2908	Woodruff Key
509-2909	Drive Shaft Key
509-2910	Drive Shaft—Key Pin
509-3100	Complete Lower Unit Assembly as Illustrated
509-3102	Lower Unit—Top Section
509-3103	Anti-Cavitation Plate
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
*509-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
509-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*509-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
509-3160	Bearing—Front & Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3170	Grommet

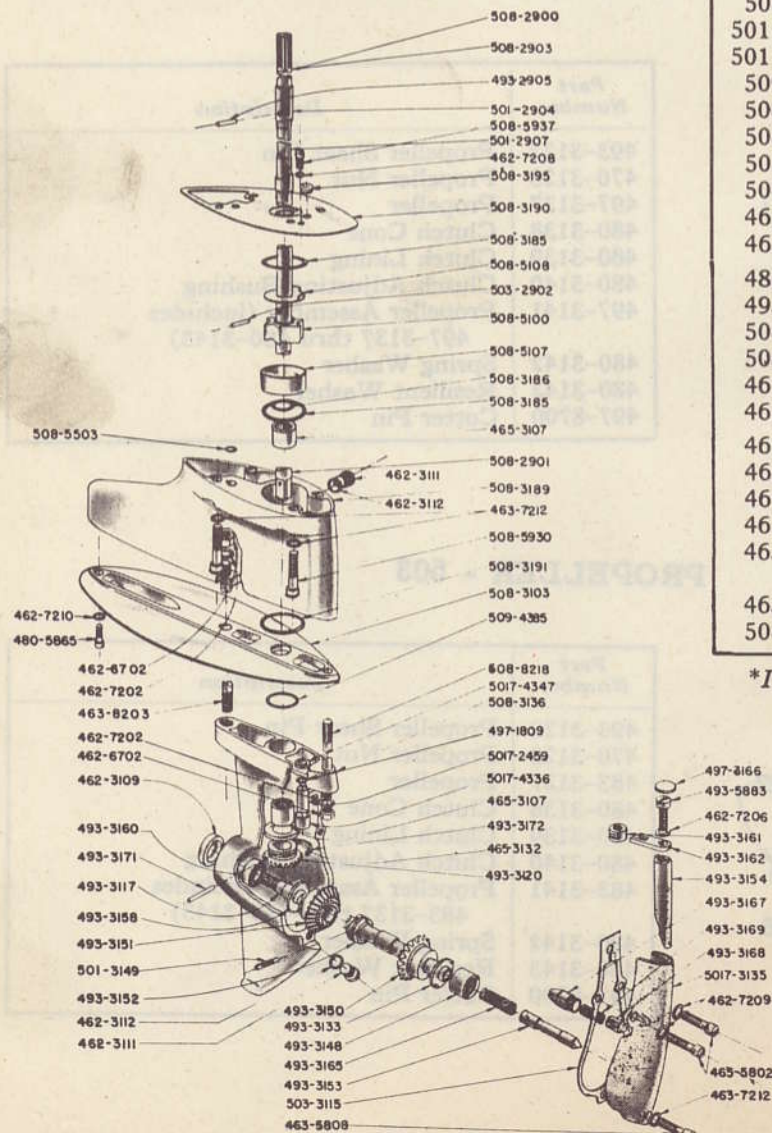
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LOWER UNIT 518
PROPELLER Page 16

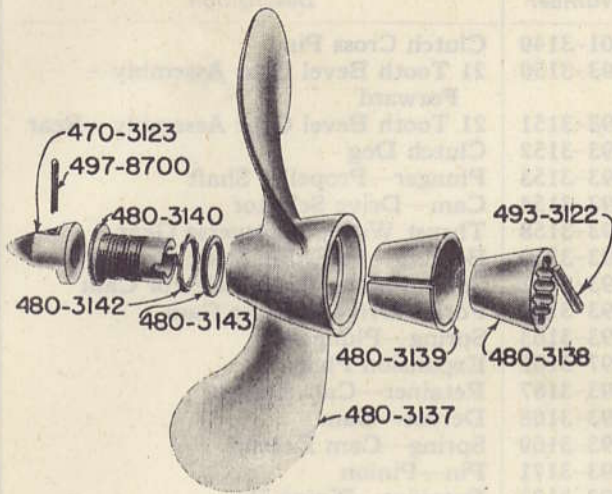
Part Number	Description
497-1809	"O" Ring-Shift Rod
5017-2459	Sleeve-Shift Rod
508-2900	Drive Shaft Assembly
508-2901	Drive Shaft-Lower End
503-2902	Drive Shaft Pump Pin
508-2903	Drive Shaft-Top End
501-2904	Drive Shaft Sleeve
493-2905	Drive Shaft Pin
501-2907	Drive Shaft Spring
508-3103	Anti-Cavitation Plate
465-3107	Drive Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket-Grease Plug
503-3115	Gasket-Lower Unit Bearing Cap
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
465-3132	Bearing-Pinion Thrust
493-3133	Thrust Washer-Forward Gear
*5017-3135	Lower Unit Bearing Cap Assembly
508-3136	Lower Unit Body Assembly
493-3148	Bearing-Front Propeller Shaft

Part Number	Description
*501-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly-Forward
493-3151	21 Tooth Bevel Gear Assembly-Rear
*493-3152	Clutch Dog
*493-3153	Plunger-Propeller Shaft
493-3154	Cam-Drive Selector
493-3158	Thrust Washer-Reverse Gear
493-3160	Bearing-Propeller Shaft Rear
493-3161	Special Nut-Drive Selector Cam
493-3162	Fork-Drive Selector Cam
*493-3165	Spring-Plunger
497-3166	Expansion Plug
493-3167	Retainer-Cam Detent
493-3168	Detent-Cam
493-3169	Spring-Cam Detent
493-3171	Pin-Pinion
493-3172	Retainer-Pinion Pin
508-3185	Seal Ring-Pump Cavity
508-3186	Seal Ring-Drive Shaft
508-3189	Pump Housing
508-3190	Splash Plate
508-3191	Seal Ring-Pump Housing
508-3195	Grommet-Splash Plate
5017-4336	Seal-Shift Rod Sleeve
5017-4347	Gland-Shift Rod Sleeve
509-4385	Seal Ring-Lower Unit
508-5100	Water Pump Impeller
508-5107	Pump Cavity
508-5108	Pump Cover Plate
508-5503	Seal Ring-Water Line
465-5802	Screw-Upper Bearing Cap
463-5808	Screw-Lower Bearing Cap
480-5865	Screw-Anti-Cavitation Plate
493-5883	Screw-Drive Selector Cam
508-5930	Screw-Lower Unit Fastening
508-5937	Screw-Splash Plate
462-6702	Nut
462-7202	Lockwasher
462-7206	Lockwasher-Drive Selector Cam
462-7208	Lockwasher-Splash Plate Screw
462-7209	Lockwasher-Upper Bearing Cap Screw
462-7210	Lockwasher
463-7212	Lockwasher-Lower Bearing Cap Screw & Lower Unit Fastening
463-8203	Stud-Lower Unit-Rear
508-8218	Stud-Pump Housing



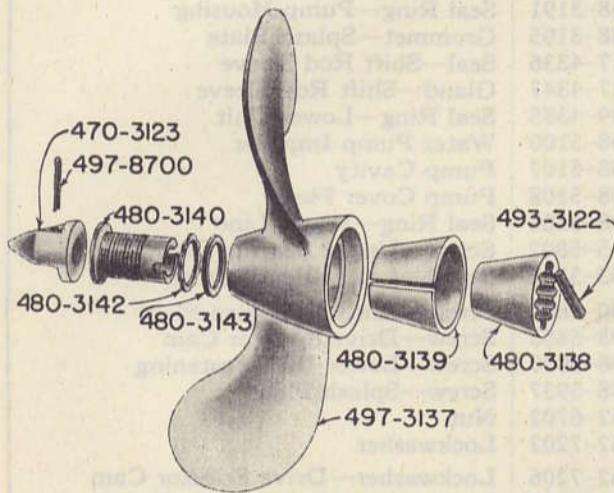
*Included with 493-3173 Propeller Shaft Assembly

PROPELLER - 501



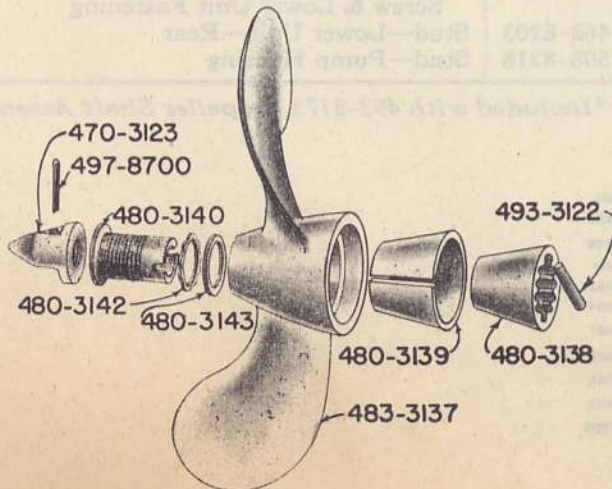
Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
480-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
480-3141	Propeller Assembly (includes 480-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

PROPELLER - 507



Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
497-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
497-3141	Propeller Assembly (includes 497-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

PROPELLER - 503

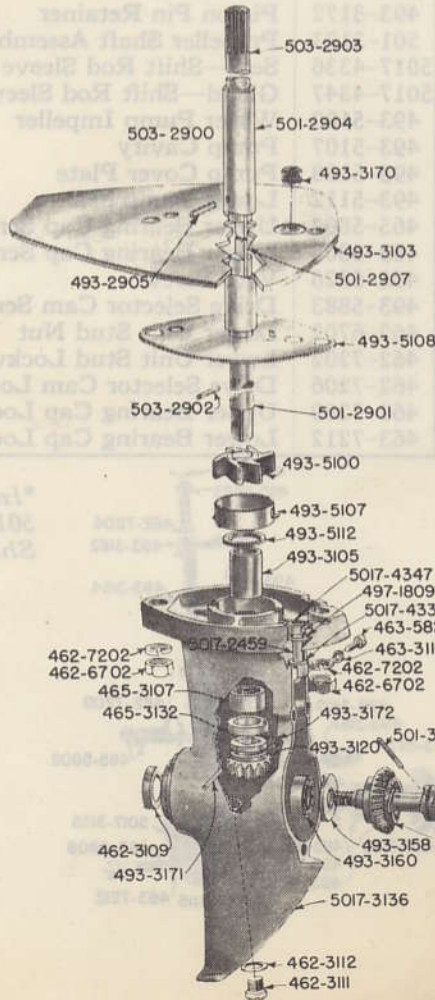


Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
483-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
483-3141	Propeller Assembly (includes 483-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

**LOWER UNIT - 503
PROPELLER - Page 13**

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
503-2900	Driveshaft Assembly
501-2901	Drive Shaft—Lower End
503-2902	Driveshaft Pump Pin
503-2903	Drive Shaft—Top End
501-2904	Drive Shaft Sleeve
493-2905	Driveshaft Pin
501-2907	Drive Shaft Spring
503-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
493-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft

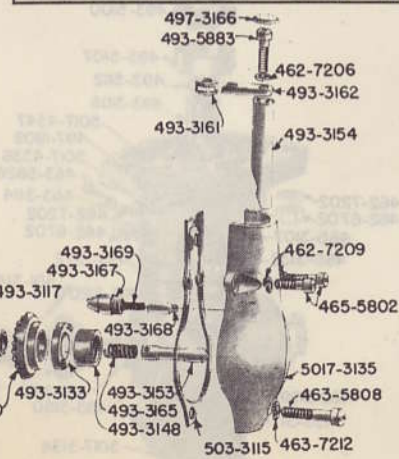
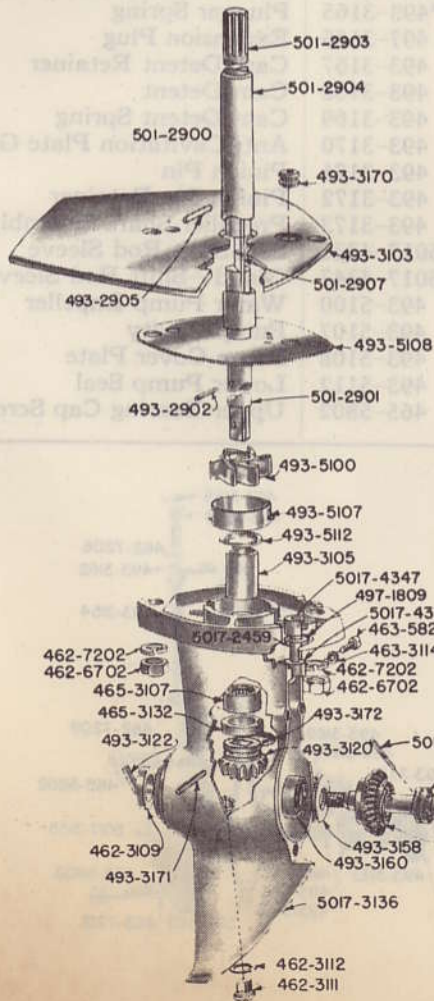
Part Number	Description
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front & Reverse Gear Bearing
*501-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
493-3171	Pinion Pin
493-3172	Pinion Pin Retainer
493-3173	Propeller Shaft Assembly
5017-4336	Seal-Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
493-5108	Pump Cover Plate
493-5112	Lower Pump Seal
465-5802	Upper Bearing Cap Screw



LOWER UNIT - 507
PROPELLER - Page 13

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
501-2900	Driveshaft Assembly
501-2901	Driveshaft—Lower End
503-2902	Driveshaft Pump Pin
501-2903	Driveshaft—Top End
501-2904	Driveshaft Sleeve
493-2905	Driveshaft Pin
501-2907	Driveshaft Spring
5017-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
493-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)

Part Number	Description
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front and Reverse Gear Bearing
*501-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
493-3171	Pinion Pin
493-3172	Pinion Pin Retainer
501-3173	Propeller Shaft Assembly
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
493-5108	Pump Cover Plate
493-5112	Lower Pump Seal
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
463-7212	Lower Bearing Cap Lockwasher

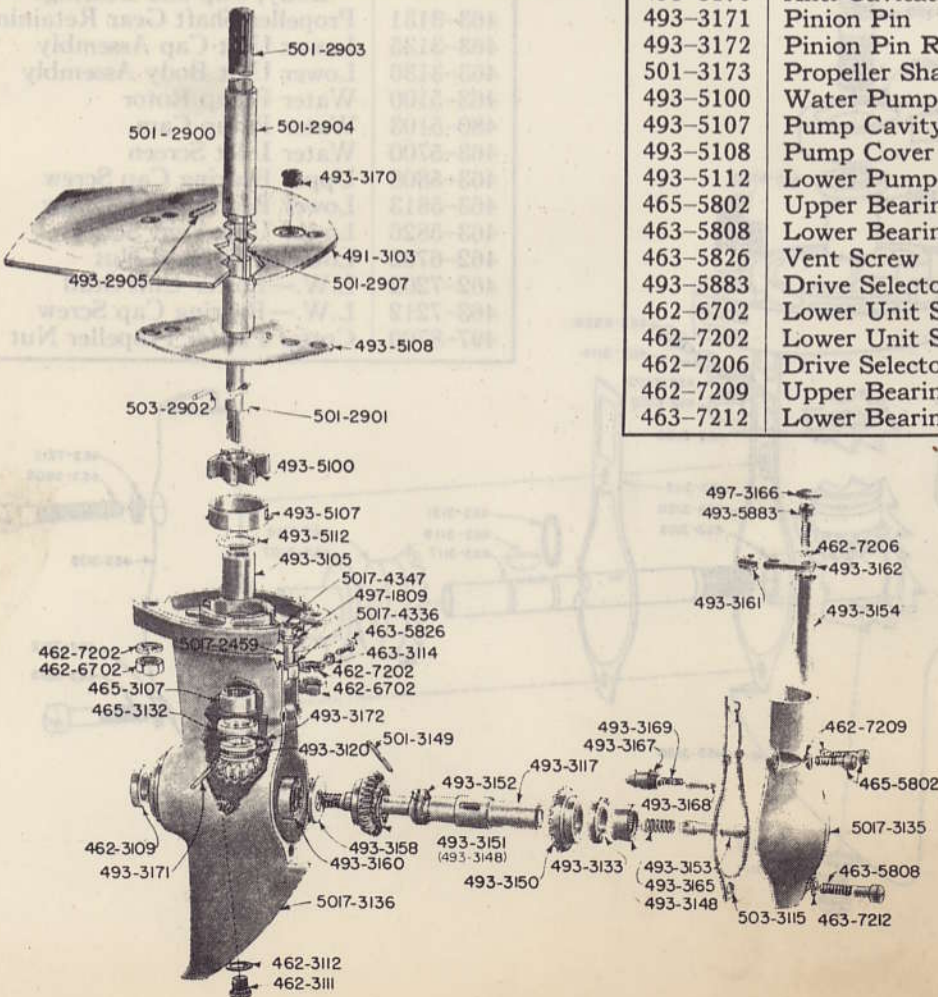


**Included with
501-3173 Propeller
Shaft Assembly*

**LOWER UNIT - 501
PROPELLER - Page 13**

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
501-2900	Driveshaft Assembly
501-2901	Driveshaft—Lower End
503-2902	Driveshaft Pump Pin
501-2903	Driveshaft—Top End
501-2904	Driveshaft Sleeve
493-2905	Driveshaft Pin
501-2907	Driveshaft Spring
501-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
491-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)

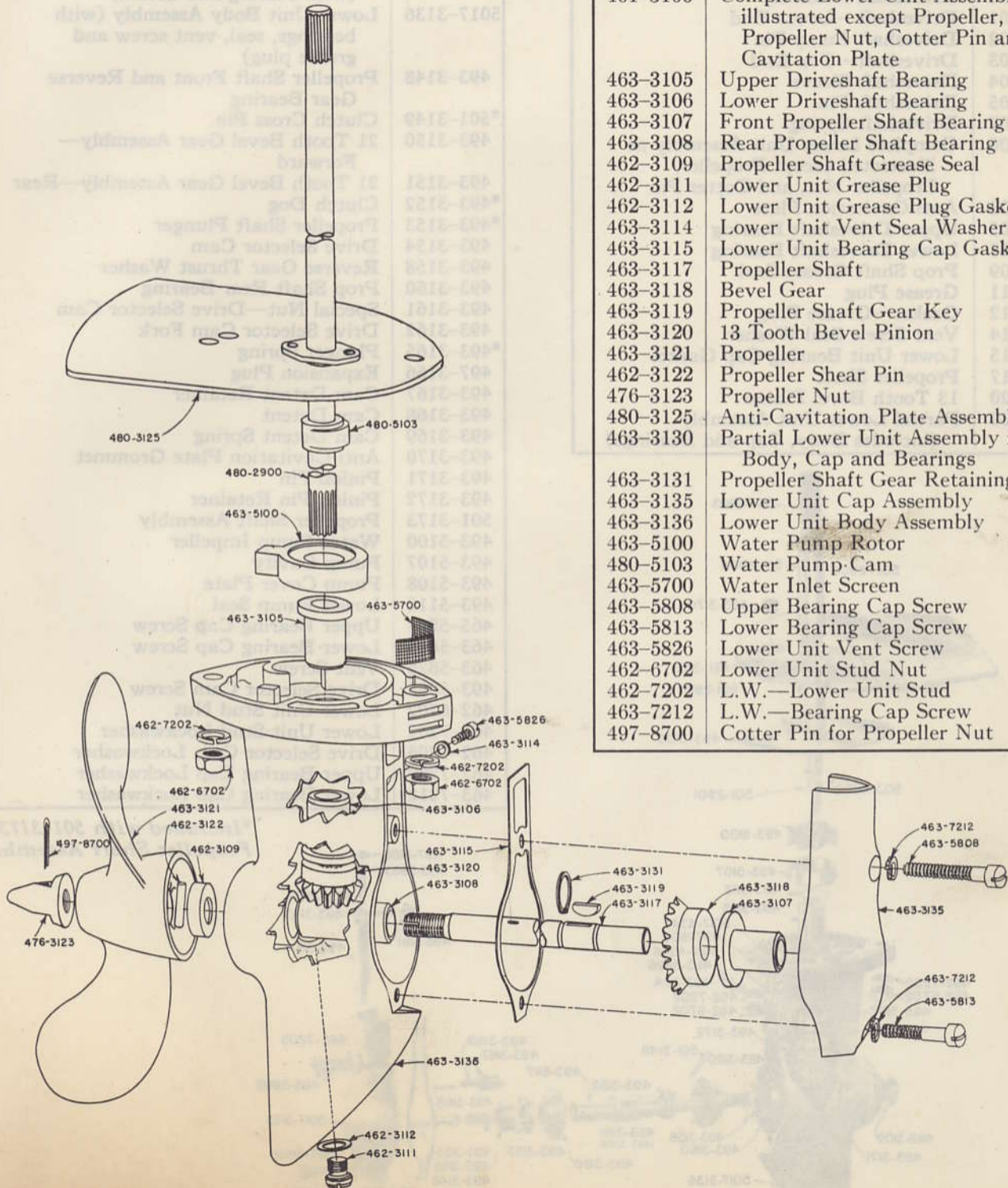
Part Number	Description
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front and Reverse Gear Bearing
*501-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
493-3171	Pinion Pin
493-3172	Pinion Pin Retainer
501-3173	Propeller Shaft Assembly
493-5100	Water Pump Impeller
493-5107	Pump Cavity
493-5108	Pump Cover Plate
493-5112	Lower Pump Seal
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
463-7212	Lower Bearing Cap Lockwasher



**Included with 501-3173
Propeller Shaft Assembly*

LOWER UNIT 500

LOWER UNIT - 501
PROPELLER - Page 13



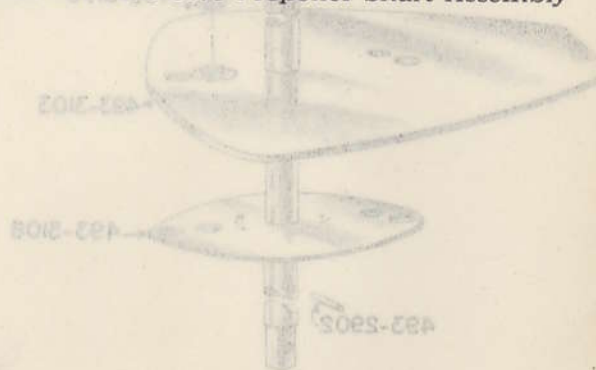
Part Number	Description
480-2900	Driveshaft and Cam Assembly
461-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
463-3121	Propeller
462-3122	Propeller Shear Pin
476-3123	Propeller Nut
480-3125	Anti-Cavitation Plate Assembly
463-3130	Partial Lower Unit Assembly includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
463-3135	Lower Unit Cap Assembly
463-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump-Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	L.W.—Lower Unit Stud
463-7212	L.W.—Bearing Cap Screw
497-8700	Cotter Pin for Propeller Nut

LOWER UNIT
493

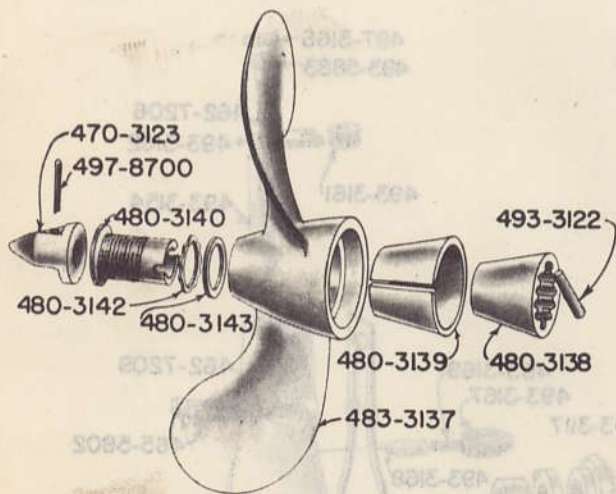
LOWER UNIT—Continued

Part Number	Description	Part Number	Description
493-3160	Prop Shaft Rear Bearing	493-3173	Propeller Shaft Assembly
493-3161	Special Nut—Drive Selector Cam	493-5100	Water Pump Impeller
493-3162	Drive Selector Cam Fork	493-5107	Pump Cavity
*493-3165	Plunger Spring	493-5108	Pump Cover Plate
497-3166	Expansion Plug	493-5112	Lower Pump Seal
493-3167	Cam Detent Retainer	465-5802	Upper Bearing Cap Screw
493-3168	Cam Detent	463-5808	Lower Bearing Cap Screw
493-3169	Cam Detent Spring	463-5826	Vent Screw
493-3170	Anti-Cavitation Plate Grommet	493-5883	Drive Selector Cam Screw
493-3171	Pinion Pin	462-6702	Lower Unit Stud Nut
493-3172	Pinion Pin Retainer	462-7202	Lower Unit Stud Lockwasher
		462-7206	Drive Selector Cam Lockwasher
		462-7209	Upper Bearing Cap Lockwasher
		463-7212	Lower Bearing Cap Lockwasher

*Included with 493-3173 Propeller Shaft Assembly

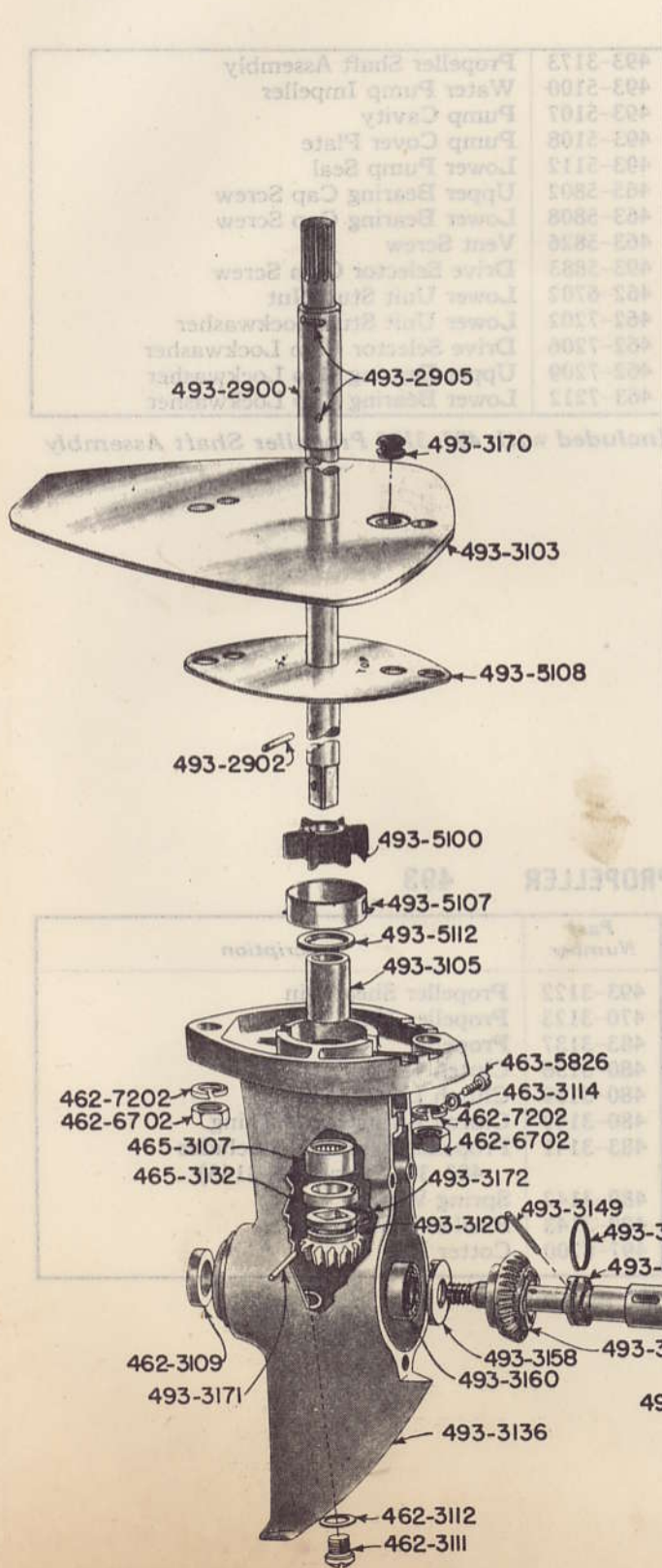


PROPELLER 493

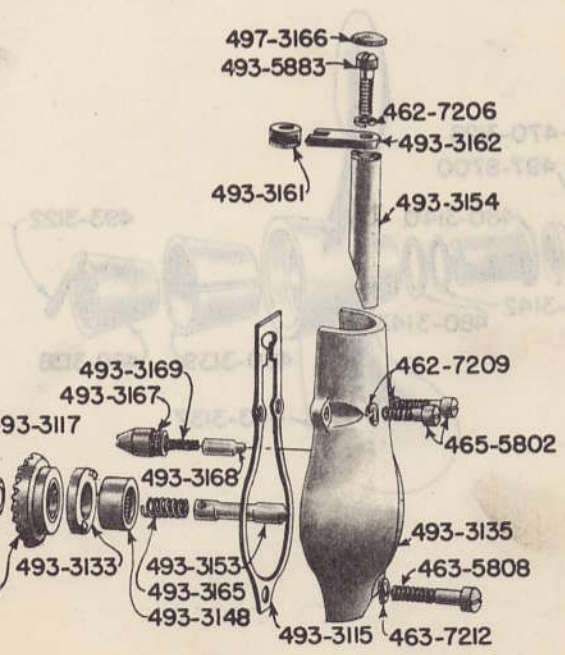


Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
483-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
483-3141	Propeller Assembly (includes 483-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

LOWER UNIT 493



Part Number	Description
493-2900	Driveshaft Assembly
493-2902	Driveshaft Pump Pin
493-2905	Driveshaft Pin
493-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
493-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
493-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
493-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
493-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
493-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front Bearing
*493-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*493-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer

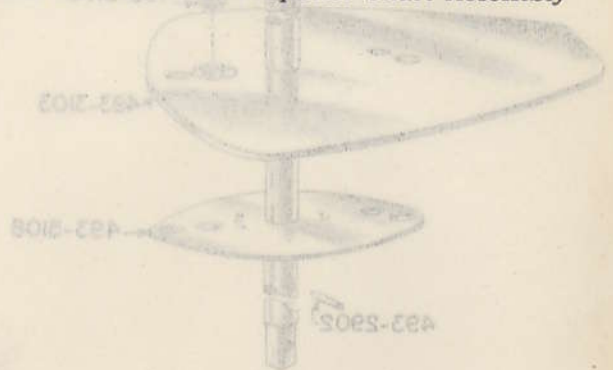


LOWER UNIT
493

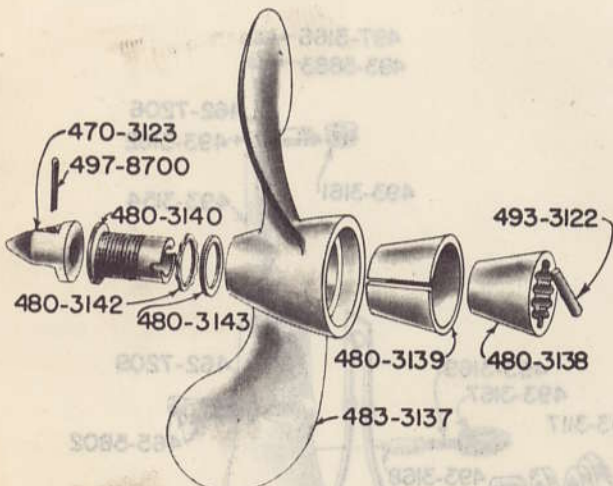
LOWER UNIT—Continued

Part Number	Description	Part Number	Description
493-3160	Prop Shaft Rear Bearing	493-3173	Propeller Shaft Assembly
493-3161	Special Nut—Drive Selector Cam	493-5100	Water Pump Impeller
493-3162	Drive Selector Cam Fork	493-5107	Pump Cavity
*493-3165	Plunger Spring	493-5108	Pump Cover Plate
497-3166	Expansion Plug	493-5112	Lower Pump Seal
493-3167	Cam Detent Retainer	465-5802	Upper Bearing Cap Screw
493-3168	Cam Detent	463-5808	Lower Bearing Cap Screw
493-3169	Cam Detent Spring	463-5826	Vent Screw
493-3170	Anti-Cavitation Plate Grommet	493-5883	Drive Selector Cam Screw
493-3171	Pinion Pin	462-7202	Lower Unit Stud Nut
493-3172	Pinion Pin Retainer	462-7202	Lower Unit Stud Lockwasher
		462-7206	Drive Selector Cam Lockwasher
		462-7209	Upper Bearing Cap Lockwasher
		463-7212	Lower Bearing Cap Lockwasher

*Included with 493-3173 Propeller Shaft Assembly

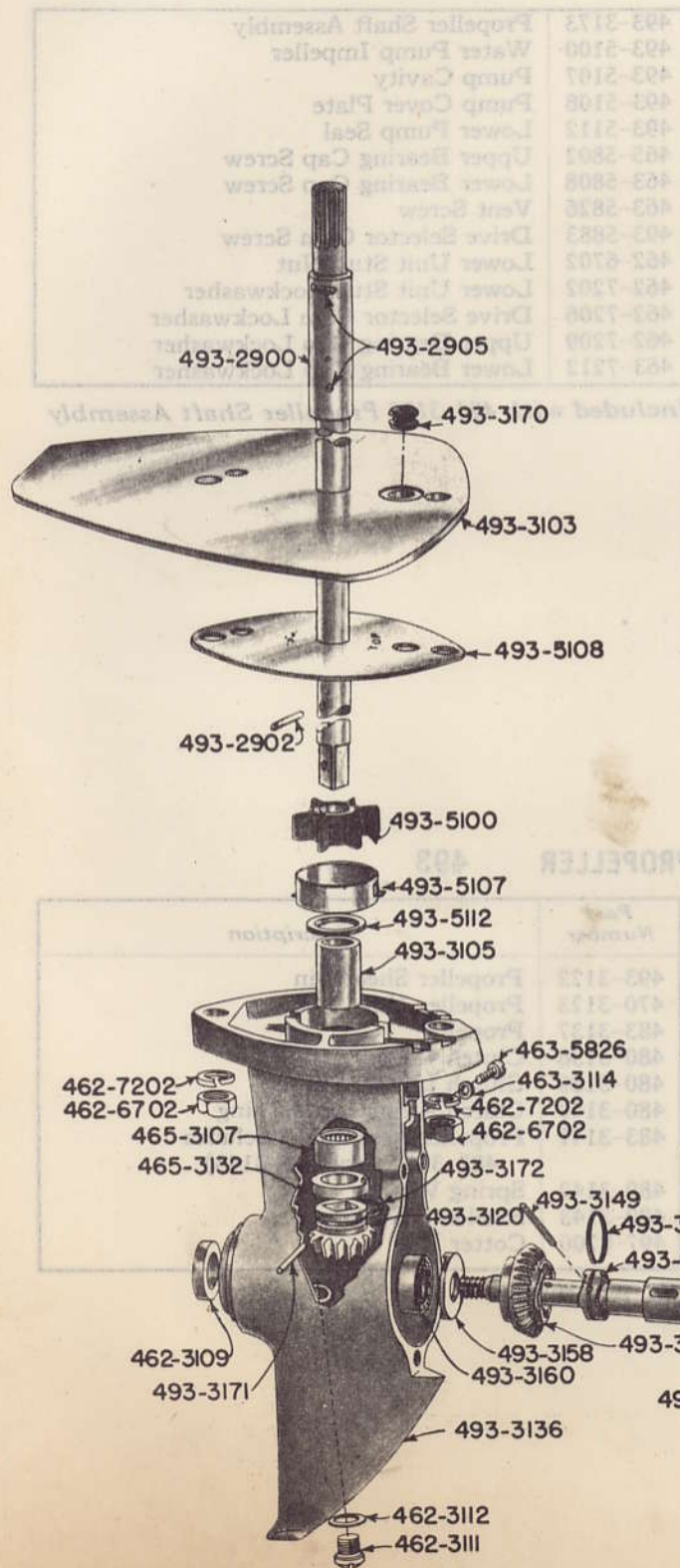


PROPELLER 493

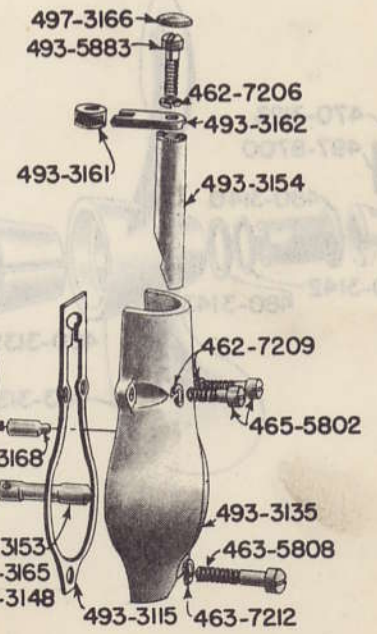


Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
483-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
483-3141	Propeller Assembly (includes 483-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

LOWER UNIT 493



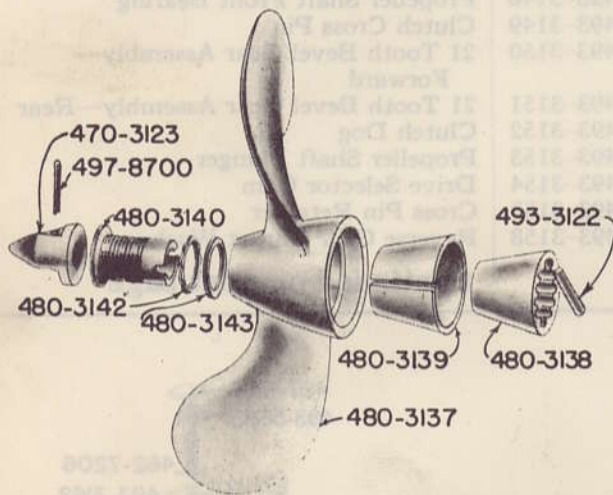
Part Number	Description
493-2900	Driveshaft Assembly
493-2902	Driveshaft Pump Pin
493-2905	Driveshaft Pin
493-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
493-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
493-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
493-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
493-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
493-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front Bearing
*493-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*493-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer



LOWER UNIT—Continued

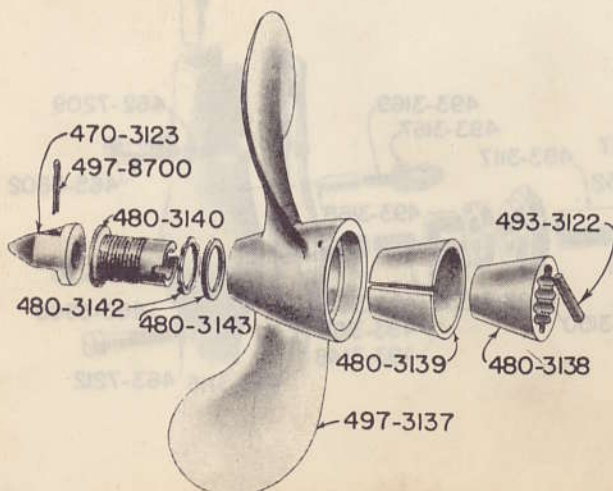
Part Number	Description	Part Number	Description
493-3160	Prop Shaft Rear Bearing	493-3173	Propeller Shaft Assembly
493-3161	Special Nut—Drive Selector Cam	493-5100	Water Pump Impeller
493-3162	Drive Selector Cam Fork	493-5107	Pump Cavity
*493-3165	Plunger Spring	493-5108	Pump Cover Plate
497-3166	Expansion Plug	493-5112	Lower Pump Seal
493-3167	Cam Detent Retainer	465-5802	Upper Bearing Cap Screw
493-3168	Cam Detent	463-5808	Lower Bearing Cap Screw
493-3169	Cam Detent Spring	463-5826	Vent Screw
493-3170	Anti-Cavitation Plate Grommet	493-5883	Drive Selector Cam Screw
493-3171	Pinion Pin	462-6702	Lower Unit Stud Nut
493-3172	Pinion Pin Retainer	462-7202	Lower Unit Stud Lockwasher
		462-7206	Drive Selector Cam Lockwasher
		462-7209	Upper Bearing Cap Lockwasher
		463-7212	Lower Bearing Cap Lockwasher

*Included with 493-3173 Propeller Shaft Assembly



PROPELLER - 491

Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
480-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
480-3141	Propeller Assembly (includes 480-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

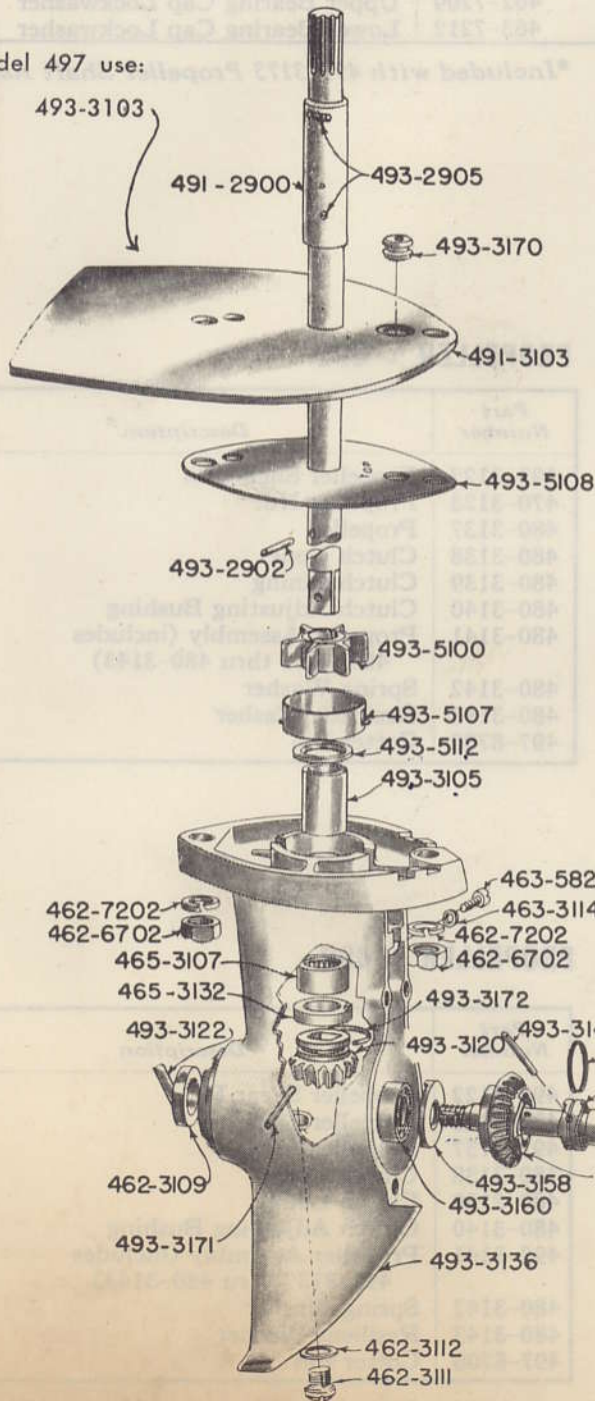


PROPELLER - 497

Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
497-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
497-3141	Propeller Assembly (includes 497-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

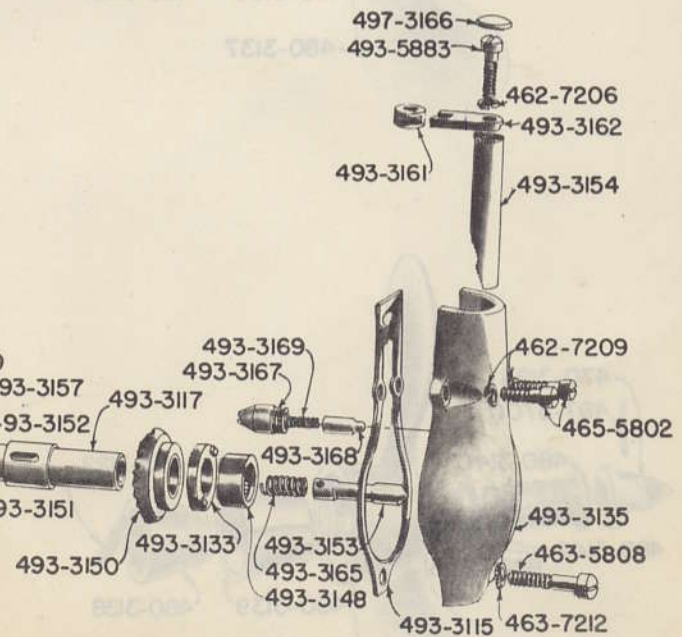
LOWER UNIT
491 - 497

*Model 497 use:

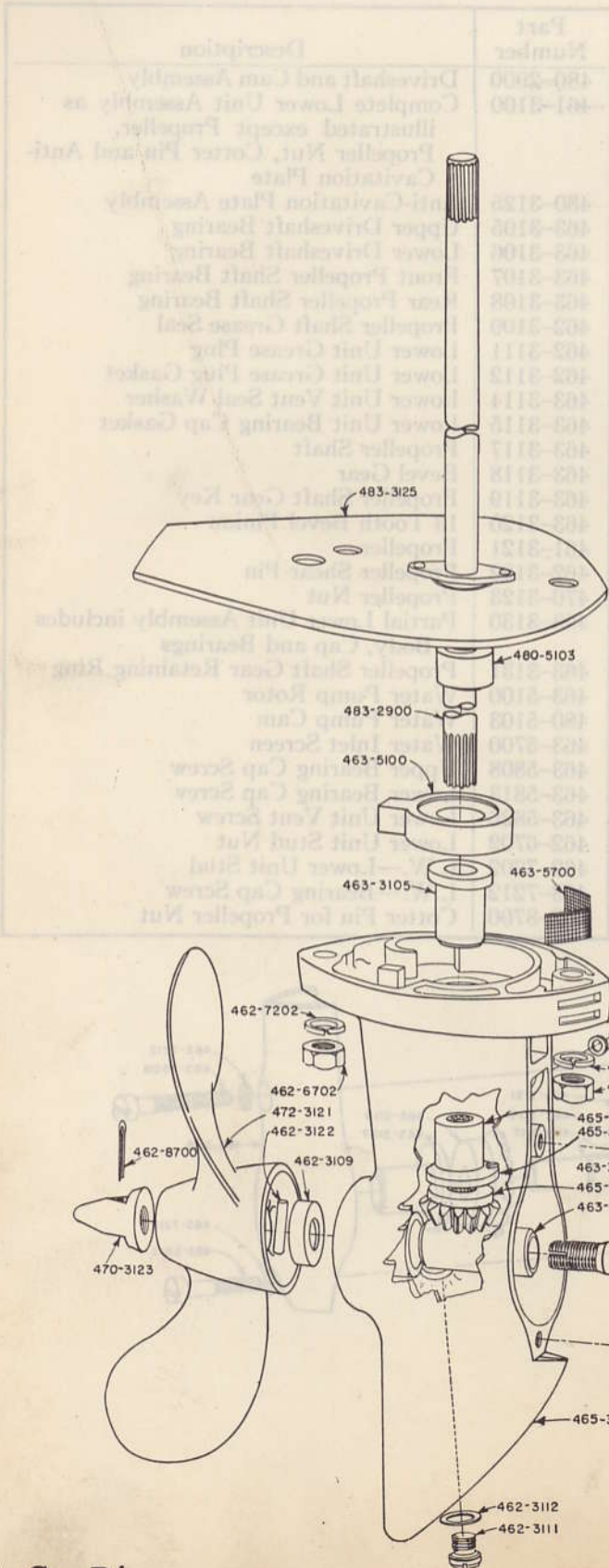


Part Number	Description
491-2900	Driveshaft Assembly
493-2902	Driveshaft Pump Pin
493-2905	Driveshaft Pin
491-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
491-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
493-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
493-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
493-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
493-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front Bearing
*493-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*493-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer

Continued on next page

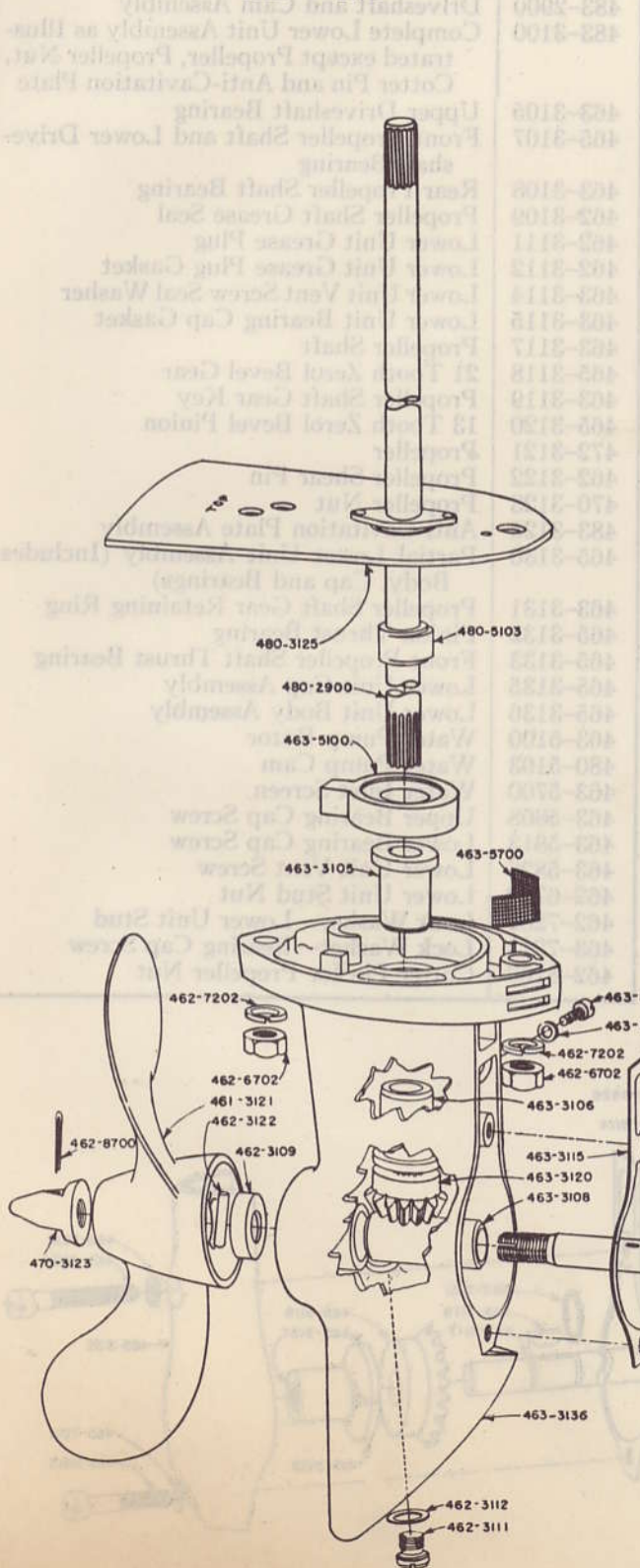


**LOWER UNIT
483**



Part Number	Description
483-2900	Driveshaft and Cam Assembly
483-3100	Complete Lower Unit Assembly as Illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
465-3107	Front Propeller Shaft and Lower Driveshaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Screw Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
465-3118	21 Tooth Zerol Bevel Gear
463-3119	Propeller Shaft Gear Key
465-3120	13 Tooth Zerol Bevel Pinion
472-3121	Propeller
462-3122	Propeller Shear Pin
470-3123	Propeller Nut
483-3125	Anti-Cavitation Plate Assembly
465-3130	Partial Lower Unit Assembly (Includes Body, Cap and Bearings)
463-3131	Propeller Shaft Gear Retaining Ring
465-3132	Pinion Thrust Bearing
465-3133	Front Propeller Shaft Thrust Bearing
465-3135	Lower Unit Cap Assembly
465-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	Lock Washer—Lower Unit Stud
463-7212	Lock Washer—Bearing Cap Screw
462-8700	Cotter Pin for Propeller Nut

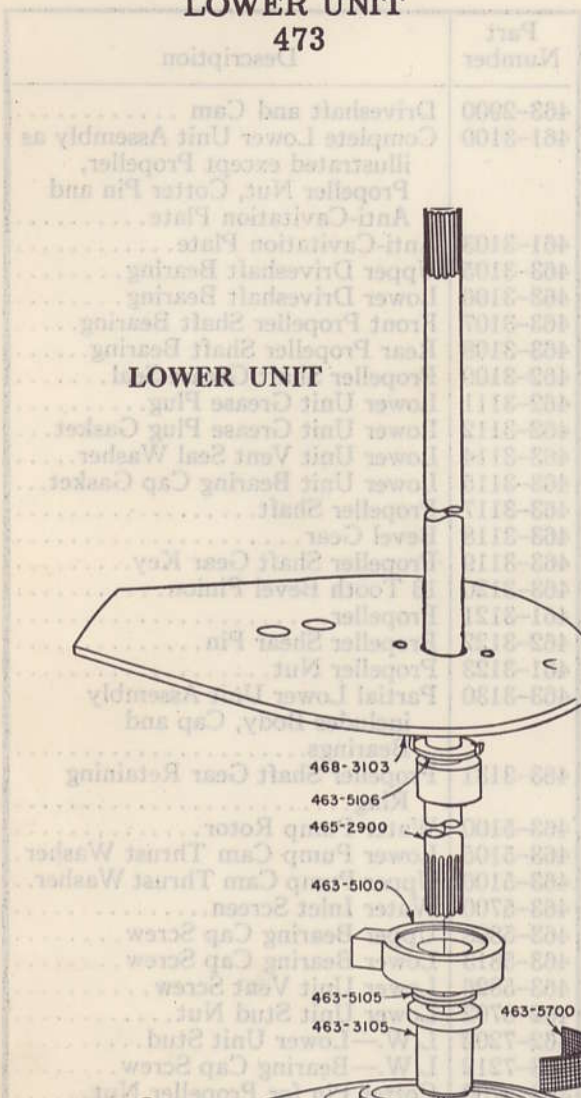
**LOWER UNIT
480 - 481**



**LOWER UNIT
482**

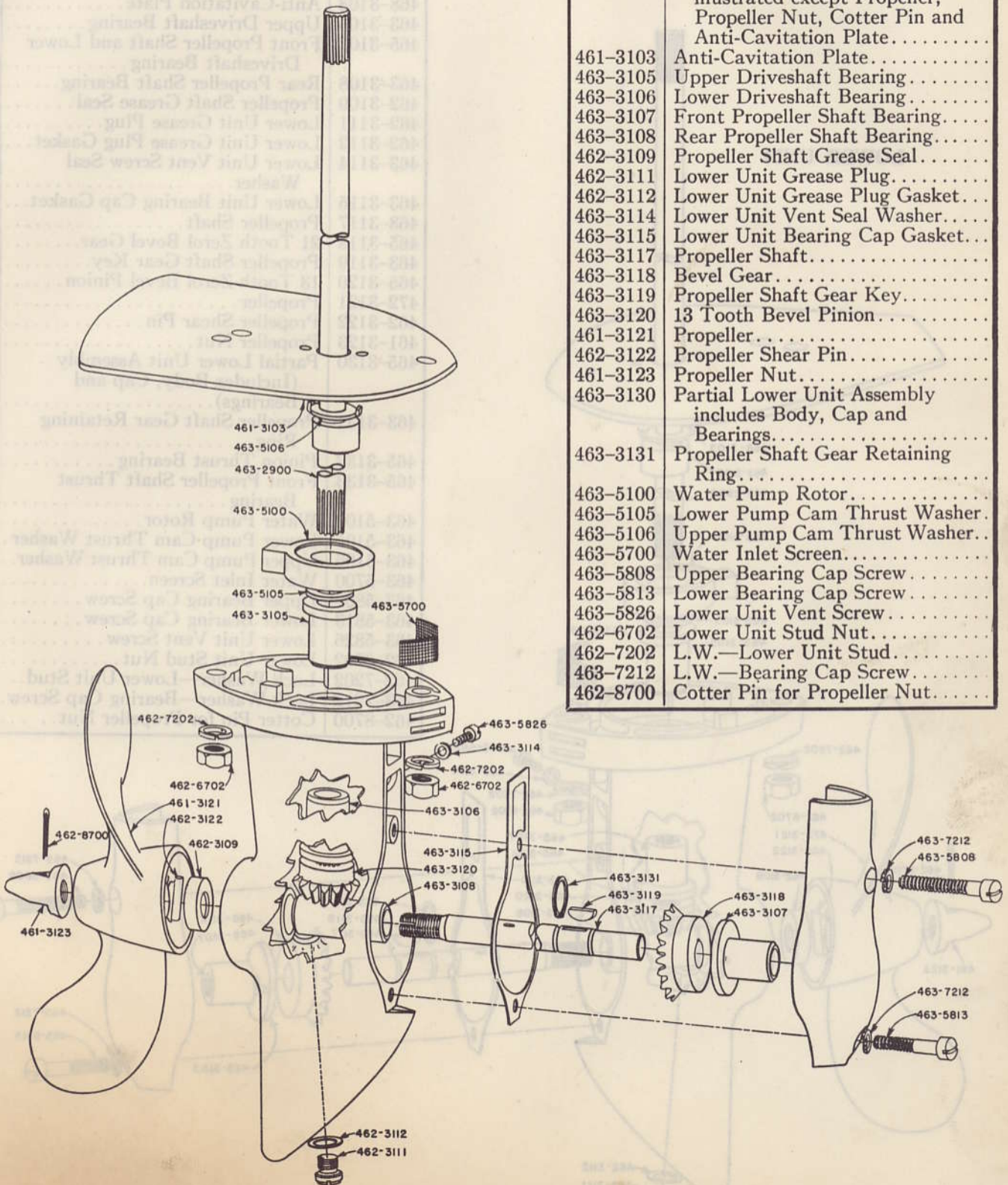
Part Number	Description
480-2900	Driveshaft and Cam Assembly
461-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
480-3125	Anti-Cavitation Plate Assembly
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
461-3121	Propeller
462-3122	Propeller Shear Pin
470-3123	Propeller Nut
463-3130	Partial Lower Unit Assembly includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	L.W.—Lower Unit Stud
463-7212	L.W.—Bearing Cap Screw
462-8700	Cotter Pin for Propeller Nut

**LOWER UNIT
473**



Part Number	Description
465-2900	Driveshaft and Cam Assembly
465-3100	Complete Lower Unit Assembly as Illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
468-3103	Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
465-3107	Front Propeller Shaft and Lower Driveshaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Screw Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
465-3118	21 Tooth Zerol Bevel Gear
463-3119	Propeller Shaft Gear Key
465-3120	13 Tooth Zerol Bevel Pinion
472-3121	Propeller
462-3122	Propeller Shear Pin
461-3123	Propeller Nut
465-3130	Partial Lower Unit Assembly (Includes Body, Cap and Bearings)
463-3131	Propeller Shaft Gear Retaining Ring
465-3132	Pinion Thrust Bearing
465-3133	Front Propeller Shaft Thrust Bearing
463-5100	Water Pump Rotor
463-5105	Lower Pump Cam Thrust Washer
463-5106	Upper Pump Cam Thrust Washer
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	Lock Washer—Lower Unit Stud
463-7212	Lock Washer—Bearing Cap Screw
462-8700	Cotter Pin for Propeller Nut

LOWER UNIT
461 - 467 - 470 - 471



Part Number	Description
463-2900	Driveshaft and Cam
461-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate.....
461-3103	Anti-Cavitation Plate.....
463-3105	Upper Driveshaft Bearing.....
463-3106	Lower Driveshaft Bearing.....
463-3107	Front Propeller Shaft Bearing.....
463-3108	Rear Propeller Shaft Bearing.....
462-3109	Propeller Shaft Grease Seal.....
462-3111	Lower Unit Grease Plug.....
462-3112	Lower Unit Grease Plug Gasket...
463-3114	Lower Unit Vent Seal Washer.....
463-3115	Lower Unit Bearing Cap Gasket...
463-3117	Propeller Shaft.....
463-3118	Bevel Gear.....
463-3119	Propeller Shaft Gear Key.....
463-3120	13 Tooth Bevel Pinion.....
461-3121	Propeller.....
462-3122	Propeller Shear Pin.....
461-3123	Propeller Nut.....
463-3130	Partial Lower Unit Assembly includes Body, Cap and Bearings.....
463-3131	Propeller Shaft Gear Retaining Ring.....
463-5100	Water Pump Rotor.....
463-5105	Lower Pump Cam Thrust Washer..
463-5106	Upper Pump Cam Thrust Washer..
463-5700	Water Inlet Screen.....
463-5808	Upper Bearing Cap Screw.....
463-5813	Lower Bearing Cap Screw.....
463-5826	Lower Unit Vent Screw.....
462-6702	Lower Unit Stud Nut.....
462-7202	L.W.—Lower Unit Stud.....
463-7212	L.W.—Bearing Cap Screw.....
462-8700	Cotter Pin for Propeller Nut.....

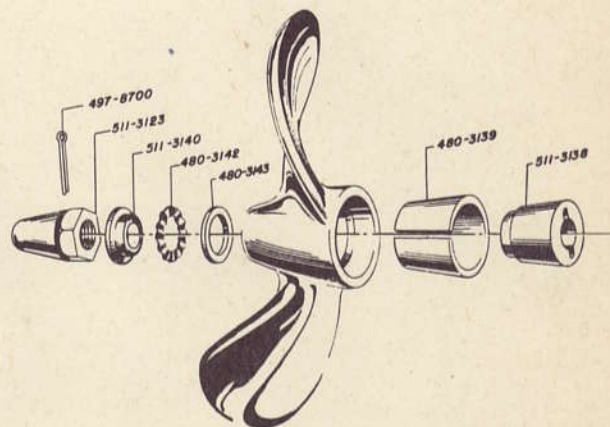
SALT WATER SLIP CLUTCH PROPELLER

Corrosion of the steel bushing in the standard slip clutch propeller may give trouble in salt water areas. Either the slip clutch will freeze solidly, or will slip too easily and adjustment can not be made satisfactorily. To eliminate this problem replace the standard slip clutch with the Salt Water Replacement Kit, Part No. 511-3202.

This improved slip clutch is adjusted by tightening up the prop nut just enough to prevent slippage at high speed. The cone in the hub of the prop is made of treated aluminum and will not readily corrode. This type of slip clutch is standard on late 1952 models.

If the owner does not remove the old style slip clutch prop and grease the shaft occasionally, the steel bushing may freeze to the prop shaft. Should all normal attempts to remove the prop fail, saw the shoulder off the steel bushing just back of the prop nut, and pull the main part of the prop off the cone. Then lay the assembly on an anvil and jar the bushing loose with a hammer. Be careful not to damage the prop shaft or the bearings in the lower unit.

Replace the slip clutch parts according to the above diagram and install the propeller on the motor. Screw the prop nut on finger tight then tighten about 1 1/2 turns. If the prop slips at high speed, tighten the prop nut enough to prevent slippage. Be sure to use the new brass prop nut (511-3123) with 6 cotter pin holes so that proper adjustment can be made.



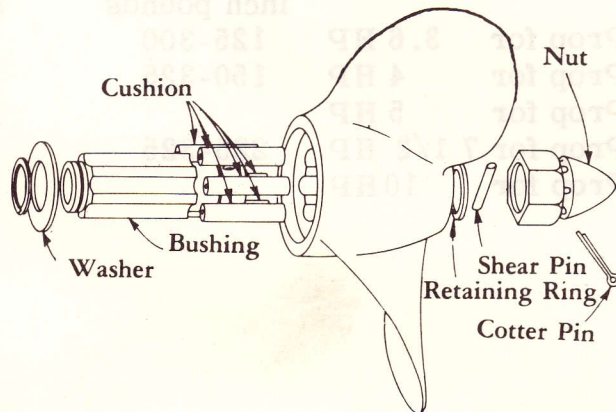
*Salt Water Slip Clutch
Replacement Kit*

SHOCK ABSORBER PROPS

The 16 HP motor is equipped with a shock absorber built into the hub of the prop. Six synthetic solid rubber cushions arranged around the shaft transmit power to the propeller as well as take up shock when an obstruction is hit. This unit is not intended to slip, however, it will reduce shearing pins to a minimum.

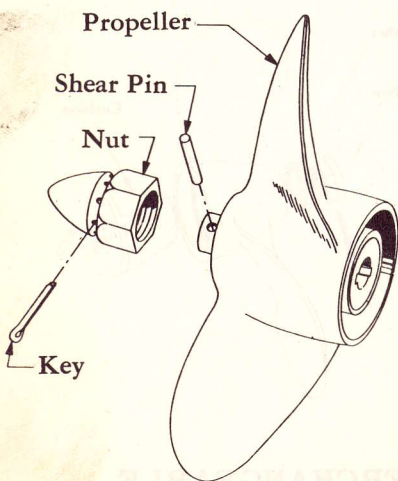
ASSEMBLE

1. Place the 6 cushions in the hub. Wetting the cushions in water will greatly aid in assembling.
2. Insert the prop bushing.
3. With the washer in place, attach the front and back retaining rings.
4. Slide the propeller onto the shaft and insert the shear pin.
5. Draw the prop nut up snug, being sure to cover the shear pin and insert the cotter pin.



Propeller 16 H. P.

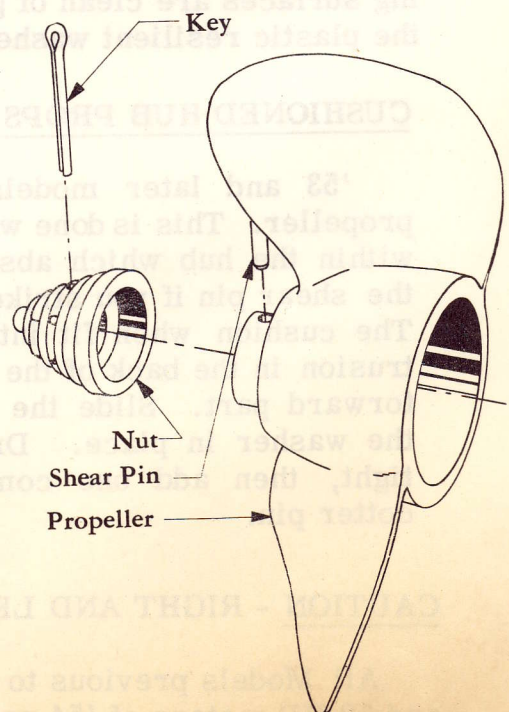
The cushions used on the early 509's were hollow. This would sometimes allow the prop to slip at high speed. If the propeller slips or if you have occasion to remove it from the shaft, the solid rubber cushions should be used in reassembling.



16 HP—1955

16 and 30 HP propellers for '55 are equipped with built in cushioned hubs. These hubs are pressed in and are replaced only with complete propeller assembly.

To change broken shear pin, simply remove the cotter key and propeller nut. Insert new shear pin. Replace nut and cotter key.

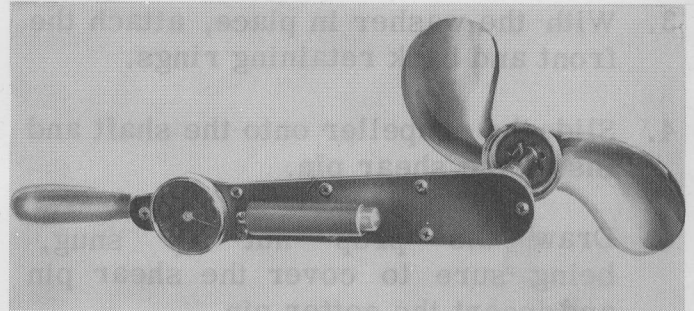


30 HP—1955

The standard type of propeller used on non-shift models can be replaced with a slip clutch prop. Use propeller No. 480-3141 on the singles and 483-3141 on the 7 1/2 HP twins.

The following table gives the correct torque settings for each propeller. Note that the setting for non-shift models is less than for shift models of the same size. This is because reversing direction tends to work the prop clutch loose, necessitating a tight setting.

	Non-Shift Models	Shift Models
	inch pounds	inch pounds
Prop for 3.6 HP	125-300	
Prop for 4 HP	150-325	250-350
Prop for 5 HP		300-400
Prop for 7 1/2 HP	225-325	350-450
Prop for 10HP		350-450

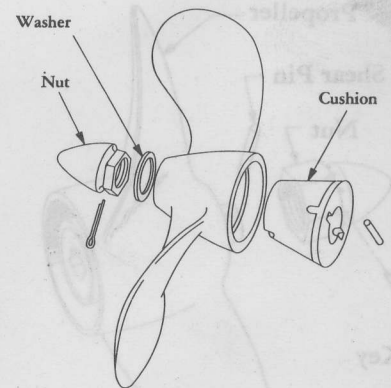


Testing Slip clutch with torque wrench A48-618 Adapter.

If a clutch has been slipping a lot, the plastic liner may be worn to the point where it is difficult to maintain a setting. Replace the liner and be sure the seating surfaces are clean of grease and dirt. If clutch has been tightened too tightly, the plastic resilient washer and the spring washer may need replacing.

CUSHIONED HUB PROPS

'53 and later models possess a cushioned hub propeller. This is done with a special rubber cushion within the hub which absorbs the shock and protects the shear pin if you strike an underwater obstruction. The cushion when fit into the hub, engages a protrusion in the back of the hub and the shear pin in the forward part. Slide the prop onto the shaft and put the washer in place. Draw the prop nut up finger tight, then add one complete turn and insert the cotter pin.



CAUTION - RIGHT AND LEFT HAND PROPS ARE NOT INTERCHANGEABLE

All Models previous to '54 use RIGHT hand turning propellers. The 5 - 7 1/2 and 10 HP motors of '54 use LEFT hand turning props.

PROPELLER

The standard propeller furnished with each motor is designed to give good all around performance on the type of boat on which the motor will generally be used. If the customer questions you about other available props, consult Section A - Propeller Choice.

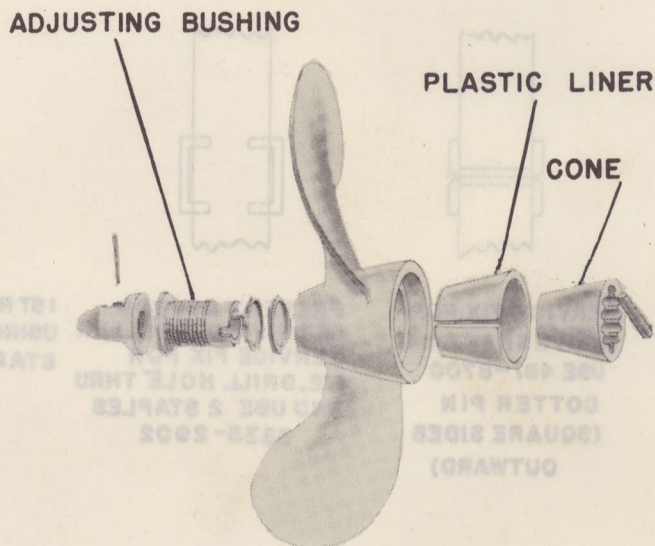
Check the propeller on all motors that are serviced. Hammer out all irregularities caused by hitting under water objects and smooth out the leading edges.

'46 - '47 - '48 STANDARD PROPS

The propeller supplied with '46, '47 and '48 motors is the standard type with a brass shear pin for protection. Check the propeller and shear pin. The prop nut should be tightened only enough to take out end play.

SLIP CLUTCH PROPS

'49 thru '52 models are equipped with a slip clutch type propeller. The slip clutch is contained in the hub of the propeller. It is adjustable and has been set at the factory to begin to slip at 150 to 325 inch-pounds of torque for the 4 HP propeller, 300 to 400 inch-pounds for the 5 HP and 350 to 450 inch-pounds for the 7-1/2 HP. To set the torque correctly, secure the propeller in a vice, insert the special adapter in the slot in the inner hub and test with a torque wrench. If the reading is not within the recommended limits, tighten or loosen the inner bushing one notch and test again. The setting is not critical. If the proper tools are not available, the setting may be approximated by inserting a heavy washer in the slot in the outside end of the bushing and tightening with a wrench until reasonably snug. The notches in the inner bushing must line up with the notches in the cone so that the stainless steel shear pin will fit.



SLIP CLUTCH

The tension on the propeller nut does not affect the slip clutch setting and should be tightened only enough to take out end play.

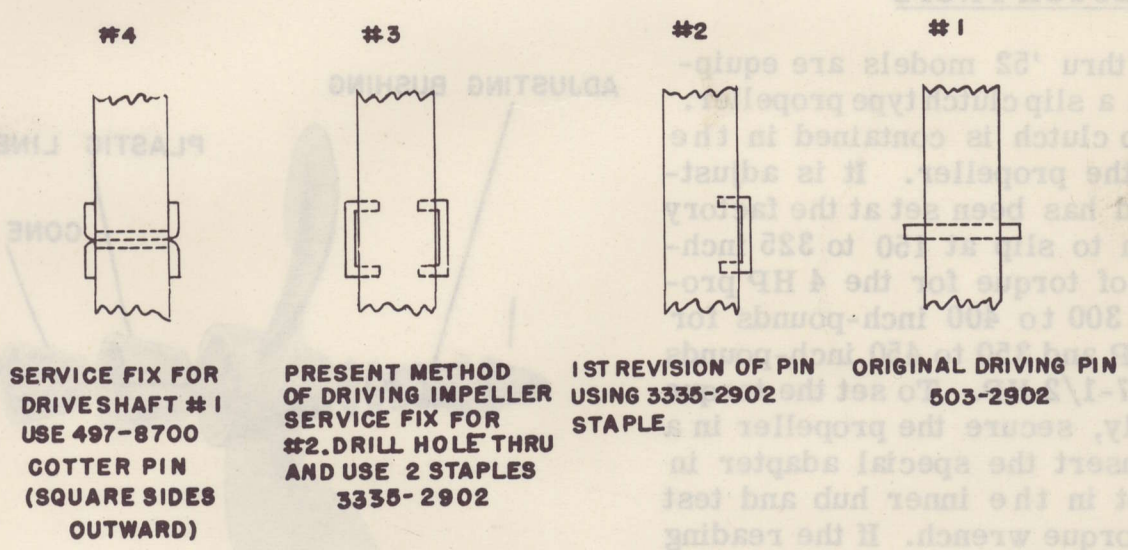
The Slip Clutch is replaceable with the Cushioned Hub as used on the '53 and '54 models.

IMPELLER DRIVE MODIFICATION 493-5100

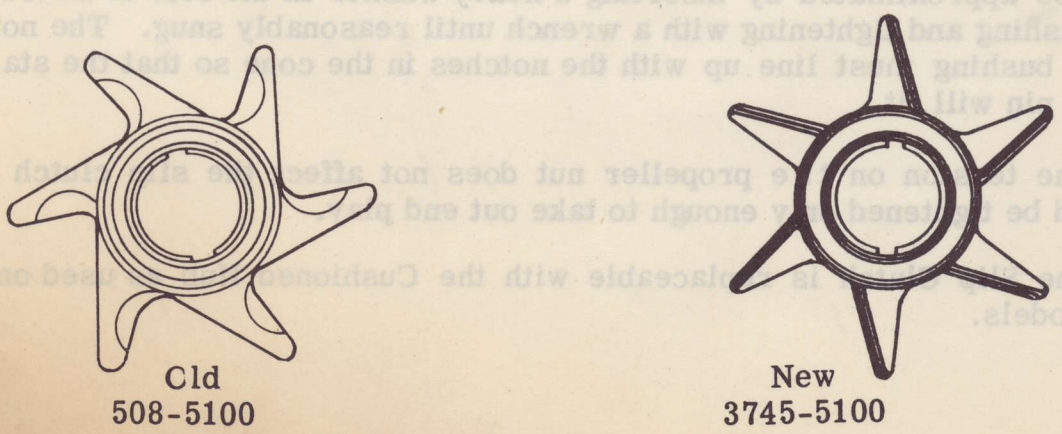
Field reports indicate that some trouble is being experienced with 493-5100 impeller, having a cast in nylon bushing. Whenever this impeller is installed on driveshaft number 1, always use the method shown in number 4 to drive the impeller. Be sure the cotter key, 497-8700, is cut short enough so it does not cut into the water pump cover plate or pump cavity when assembled.

On driveshafts number 2, the two small holes for the driving staple should be drilled all the way through and two staples, 3335-2902, used to drive impeller as shown in number 3. (Use 1/16" diameter drill.)

Not all of the trouble is due to the method of driving the impeller, however. Some impellers are too thick and some pump cavities are too shallow to permit free rotating of the impeller in the assembly. This can usually be determined by examination of used impeller. If impeller is scored or burned on faces, probably impeller or cavity or both require replacement. Correction as shown in drawing should correct the trouble in 99% of the cases.



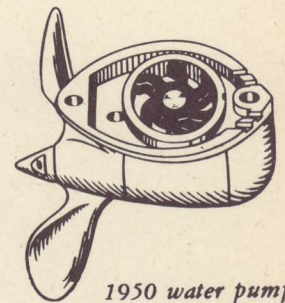
Impeller 508-5100 contains a cast in nylon bushing. However, this has become obsolete and should be replaced by impeller 3745-5100, or the impeller as shown to use in the parts price list.



SHIFT MODEL WATER PUMP

The water pump is a positive rotary vane type impeller made of special synthetic rubber, which rotates in a stainless steel cavity. Both the impeller and the cavity are replaceable, but this is seldom necessary. Operation in even the most sandy water will not appreciably wear down the cavity.

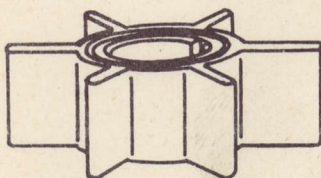
When installing a new impeller, make sure that it does not bind over the pump pin on the driveshaft. If the impeller binds, the edges of the pump pin should be filed slightly to allow the pump to float on the shaft. The lower pump seal should be replaced when installing a new cavity and the cavity should be held in place with Duco cement.



1950 water pump.

IMPELLERS

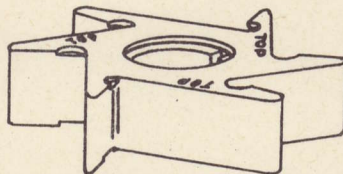
The impellers illustrated below are of the latest design and development. The rugged neoprene construction provides greater flexibility and less drag, with efficient cooling and bailing at all speeds, in or out of gear. The word TOP appears on the impeller, thus care should be taken to see that it is properly installed.



493-5100

Model

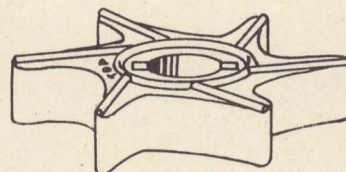
491	511
493	513
497	517
501	3325
503	3725
507	3335
	3735



509-5100

Model

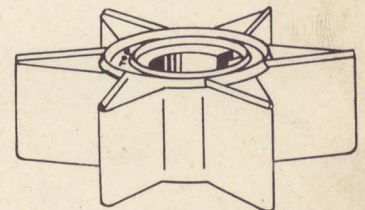
509
519
3925
3935
3945



2945-5100

Model

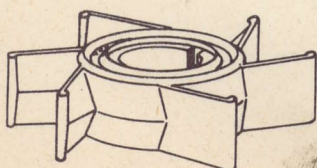
**3945



3745-5100

Model

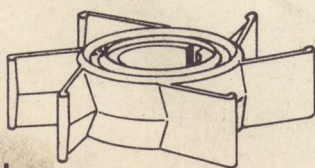
518
3825
3835
*3345
*3745
*3845



3965-5100

Model

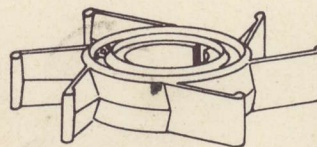
*3965



3755-5100

Model

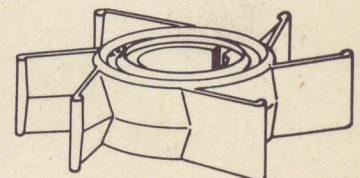
*3355	*3365
*3755	*3765
*3855	*3865



3955-5100

Model

**3955



3645-5100

Model

*3655
*3665

* Water and Bailer Pump

** Bailer Pump Only

INSTALLING STAINLESS STEEL WATER PUMP CAVITY

If the water pump has been worn because of operation in water containing silt or sand, it is advisable to install a stainless steel water pump cavity. You can get the complete kit for this installation by ordering Part No. 480-5111 - Water Pump Repair Kit.

Disassemble the lower unit according to instructions given for 1946-47-48 models. Try the cup for fit in the casting. It may be necessary to file down the tab, as shown in the diagram, so that it will fit the projection in the casting. The cup must fit into the housing so that it is flush across the top.

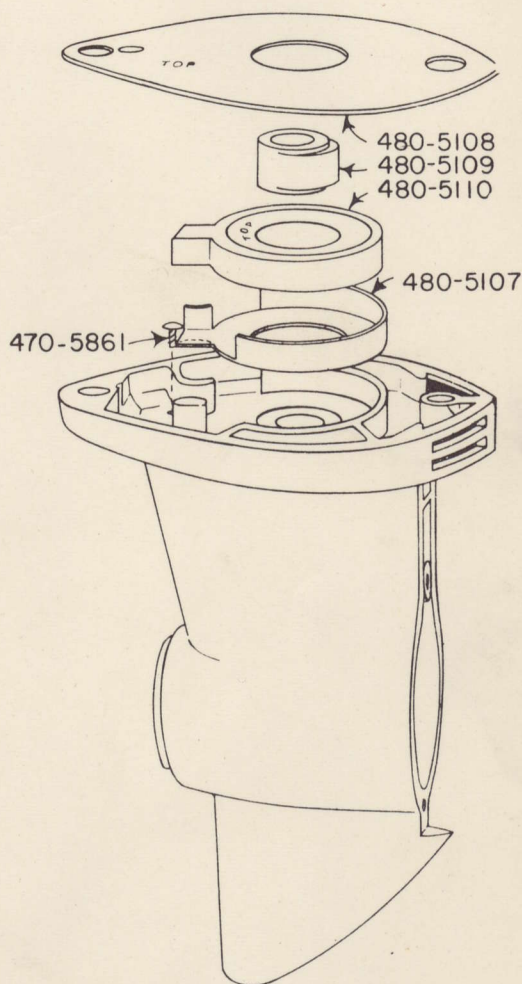
Seal all surfaces of the replacement cup to the casting with Duco household cement. Drill $1/16''$ hole at the edge of the cup and screw in the drive screw to prevent lateral movement of the cup. It may be necessary to trim the bottom of the rotor so that it will clear the drive screw.

Remove the old cam from the driveshaft and press on the new cam so that the distance from the bottom of the cam to the bottom of the driveshaft is $3-7/32''$ for the single or $3-5/32''$ for the twin.

The 1948 model anti-cavitation plate must be used with this installation. Anti-cavitation plates of '46 and '47 models must be replaced with Part No. 480-3125 for the singles, and Part No. 483-3125 for the twins. Thrust washers standard on '46 and '47 models are not used. The stainless steel cover must be placed so that the side marked "TOP" faces upward.

Follow instructions given previously when reassembling the lower unit and installing it on the lower motor casing.

WATER PUMP REPAIR KIT 480-5111



WATER PUMP

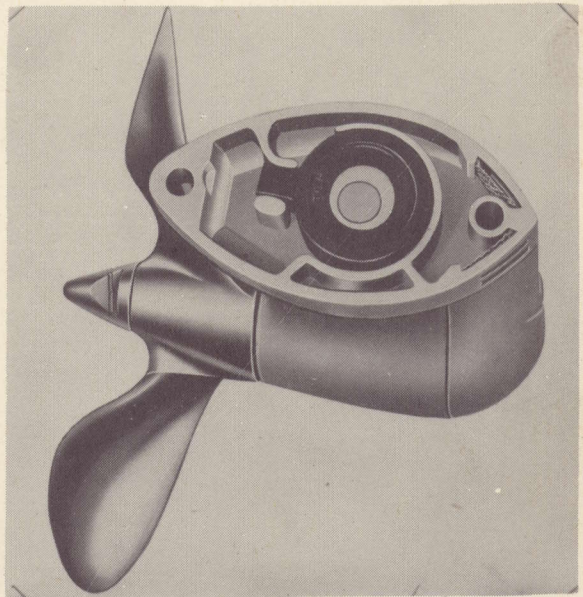
The water pump takes the water from the inlet just below the anti-cavitation plate, forces it up around the cylinder head jackets, down through the head and out behind the motor. The outlet is in the lower motor casing, just below the back of the rear skirt.

Check the water discharge when the motor is running. At high speed the water should be discharged in a steady stream. At idling speed the discharge will be broken up into a fine mist by the exhaust relief. The temperature of the water discharged should not be so hot that you can not hold your hand under it. If it is too hot, not enough water is being circulated, and the water pump and all water lines should be checked.

'46 - '47 - '48 WATER PUMP

The water pump in both the single and the twin motors is identical. It is a simple type of positive displacement pump with a synthetic rubber impeller actuated by a bronze cam pressed onto the drive-shaft. Operation of the motor in water containing a great quantity of silt or sand will eventually result in enlarging the impeller cavity in the lower unit body, scoring of the anti-cavitation plate, and reduction in the size of the impeller. This wear causes an improper seal between the impeller and the cavity and loss of pumping ability.

The anti-cavitation plate can be replaced or the lower unit body itself can be replaced. Care should be taken when replacing these parts to be sure that the upper and lower pump cam thrust washers are in place. The anti-cavitation plate must be placed right side up against the lower motor casing or an offset in the inlet hole in the anti-cavitation plate will block water passage to the powerhead. The synthetic rubber impellers are tapered. The side marked "TOP" should be placed uppermost or closest to the powerhead.



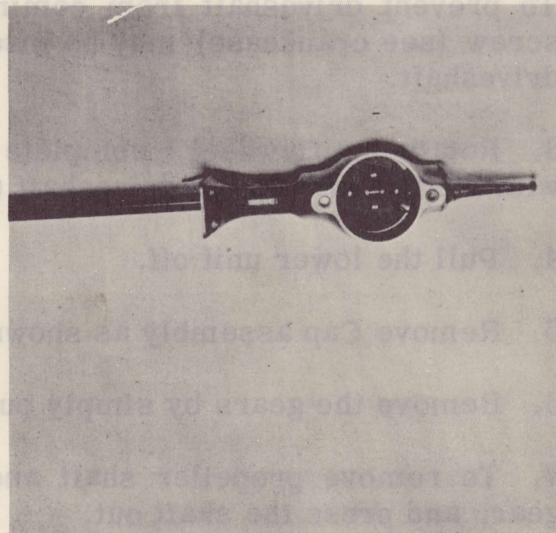
1946 - '47 - '48 water pump.

ASSEMBLY

1. Grease upper and lower thrust-washers and seat in place.
2. Place reverse gear, marked "R" into the BOTTOM.
3. Place forward gear, marked "T" into the TOP.
4. Grease lower driveshaft spline, and insert shaft into the lower unit while holding the clutch dog in place on the selector fork.
5. Lubricate ground surfaces on the cap, and replace cap assembly.
6. Replace driveshaft seal & dowel.
7. Grease the upper driveshaft spline.
8. Bolt the lower unit in place on the lower motor casing, and connect shift-rod coupling.
9. Fill lower unit with Hypoid Universal Gear Lubricant SAE #90 (EP).



Lower Unit Gears



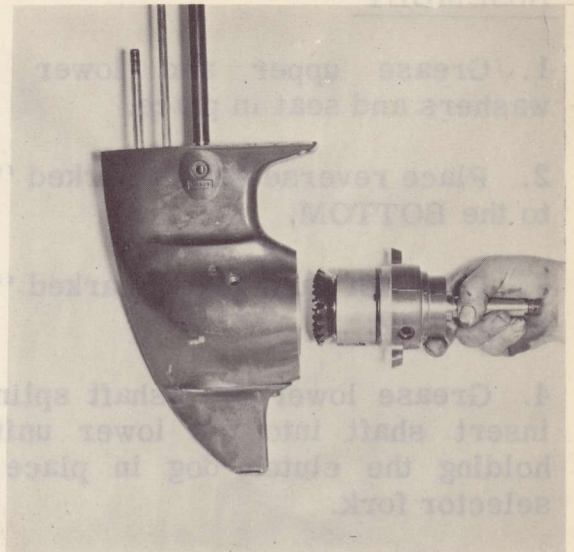
Gears Assembled on Driveshaft

30 & 33 HP LOWER UNIT

This Lower Unit is simple in construction, with very few moving parts. When removing cap assembly only, it is necessary to first remove the drain screw in the cap. Remove the 2 cap mounting screws - Do not pry on the cap ears. Turn and pull simultaneously on the cap.

DISASSEMBLY

1. Remove VENT and DRAIN screws - disconnect shift-rod coupling located above the lower springs.
2. Remove nut and lockwasher from the lower unit stud, and the 2 screws attaching lower unit to lower motor casing. To prevent driveshaft from coming out of the lower unit body, a 3655-5921 allen screw (see crankcase) may be inserted in the VENT hole and tightened against the driveshaft.
3. Rotate the flywheel 1 complete turn (clockwise). This lines up the impeller key with the key-way in the driveshaft (see illustration Sect. H-7C).
4. Pull the lower unit off.
5. Remove Cap assembly as shown in paragraph 1.
6. Remove the gears by simply pulling the driveshaft out.
7. To remove propeller shaft and gear* from the cap, remove locking nut and gear, and press the shaft out.
* Motors below Serial No. 36553001 use a propeller shaft and gear assembly (2655-3137). Motors above Serial No. 36553000 use a separate propeller shaft (3645-3117) and gear (3645-3118).
8. The forward skeg screw is located within the body, and the rear screw is external.

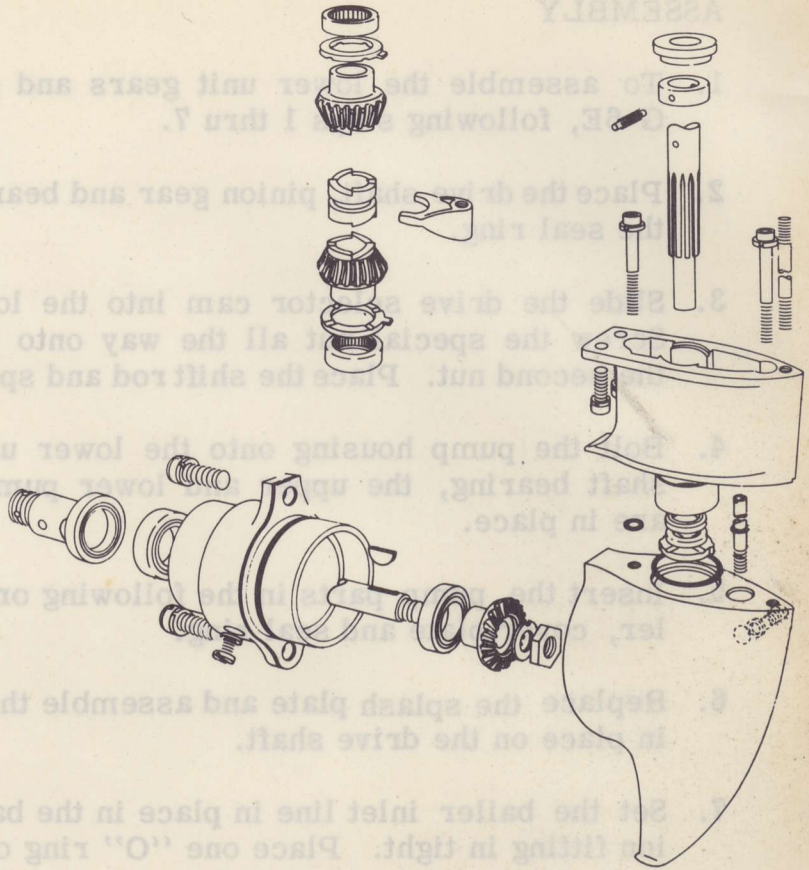


Removing Cap Assembly

'56 - 16 HP LOWER UNIT

DISASSEMBLY

1. Drain the grease and remove the propeller.
2. Remove the propeller shaft and cap assembly by turning and pulling. (DO NOT PRY IT OFF AS IT MAY BECOME MARRED OR THE EARS MIGHT BREAK.)
3. Remove the reverse lock, lower spring mount and the lower motor casing as described on page H-7B.
4. Secure the lower motor casing in vise or fixture.
5. Remove the shift actuator in the order shown on page H-7.
6. The pumps are removed as shown on page H-6. Leave the water pump cavity in place.
7. Unscrew shift rod from the shift fork. If you count the number of turns required it will facilitate assembly.
8. Remove the stud nut and two screws (adaptor to lower unit) and the assembly can be pulled off the lower motor casing.
9. The adaptor is separated from the lower unit by taking out the two screws and pulling on the drive-shaft.
10. To separate the driveshaft from the adaptor, remove the retaining ring from the drive-shaft through the adaptor. **CAUTION** - DO NOT SLIDE THE ADAPTOR OVER THE MILLED IMPELLER DRIVE SLOTS IN THE CRANKSHAFT. THEY WILL DAMAGE THE SEALS IN THE ADAPTOR.



ASSEMBLY

1. Grease forward and reverse thrust washers and put in place.
2. Put forward and reverse gears in. They are marked T for top and R for reverse.
3. Screw shift rod extension into the selector fork.
4. Place clutch dog on the fork.
5. Grease and place driveshaft thrust washer in place in adaptor.
6. Insert lower end of driveshaft through adaptor. **CAUTION** - DO NOT SLIP ADAPTOR OVER MILLED IMPELLER DRIVE SLOTS IN DRIVESHAFT AS THE SEALS WILL BE DAMAGED.
7. Place retainer on the driveshaft and fasten.
8. Insert driveshaft into lower unit and put the cap assembly on.
9. Fasten adaptor to the lower unit. Be sure the adaptor screw seal ('O' ring) is in place.

ASSEMBLY

1. To assemble the lower unit gears and prop shaft refer to pages G-6d and G-6E, following steps 1 thru 7.
2. Place the drive shaft, pinion gear and bearing assembly in position and replace the seal ring.
3. Slide the drive selector cam into the lower unit and replace the seal ring. Screw the special nut all the way onto the shift rod and tighten in place with the second nut. Place the shift rod and special nut in position on the cam fork.
4. Bolt the pump housing onto the lower unit body, being sure the upper drive-shaft bearing, the upper and lower pump cavity seals and the shift rod seal are in place.
5. Insert the pump parts in the following order: pump cavity, drive pin, impeller, cover plate and seal ring.
6. Replace the splash plate and assemble the bailer pump. Slide the grease seal in place on the drive shaft.
7. Set the bailer inlet line in place in the bailer cavity and screw the compression fitting in tight. Place one "O" ring on the top end of the inlet line.
8. Push the lower unit up into position on the lower motor casing. If necessary, rotate the flywheel a few degrees to engage the driveshaft in the crankcase. With a long nose pliers, pull the bailer line through the hole in the casing. Place an "O" ring over the line and screw the bailer inlet fitting in place.
9. Bolt the lower unit in place with the four Bristol screws.
10. With the shift rod down in the reverse position and the shift handle forward, screw the shift connector on $7 \frac{1}{2}$ turns. Then with the shift rod and the handle in neutral insert the actuator pin and cotter pin. Check the shift handle for full travel.
11. Fill the lower unit with Universal Gear Lubricant SAE-90 (EP).

Leakage of lubricant on the 16 HP models may appear around the seal ring in the shift selector cam cavity between the matching surfaces of the pump housing and the lower unit body. To correct this, coat all sealing and matching surfaces of the two castings with #2 Permatex. Also replace the seal ring if damage is apparent.

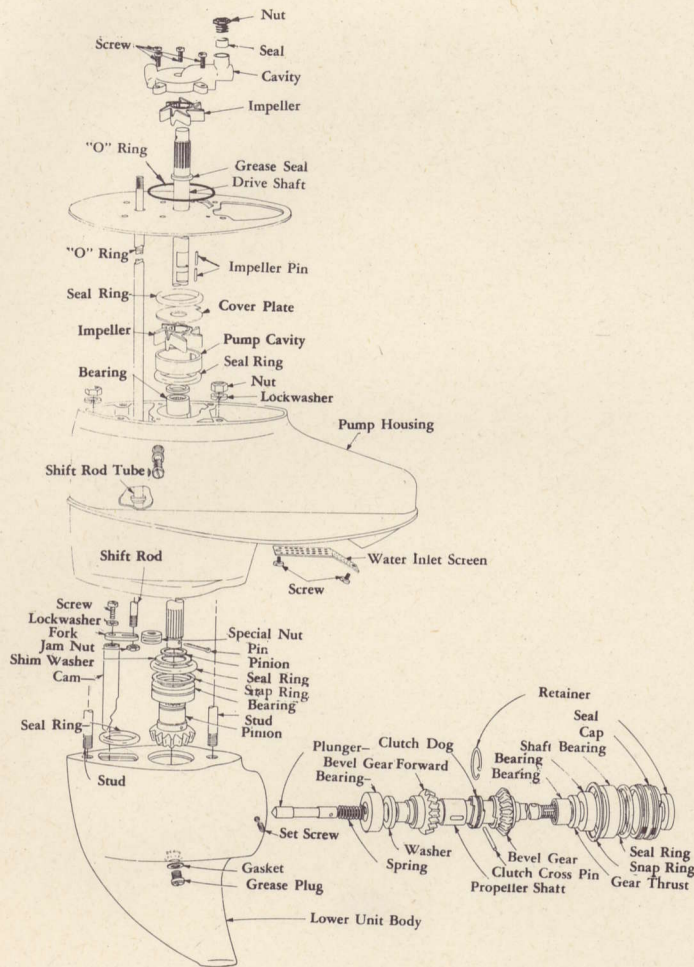
See "Things To Watch For" page G-6G.

16 HP LOWER UNIT - '55

The '55 - 16 HP lower unit disassembles and assembles identical to the '54 model. The only difference being the exhaust valve on the '55 model.

16 HP LOWER UNIT - BAIL-A-MATIC

The 16 HP '54 lower unit is similar to that of the earlier models with the following exceptions. The addition of a bailer pump, plus a one piece pump housing which now replaces the pump housing, the anti-cavitation plate and the lower unit top section formerly used.



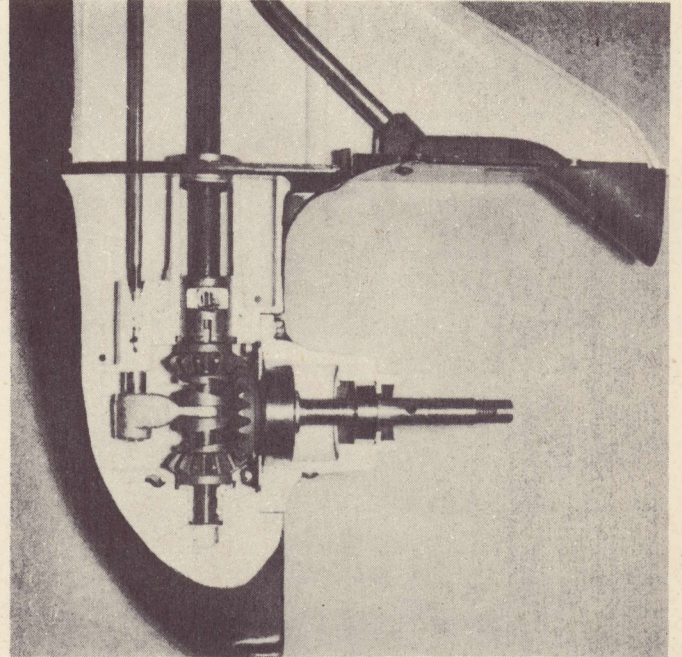
Exploded View 16 H. P. Lower Unit

DISASSEMBLY

1. Remove the shift actuator assembly and the propeller as shown on page G-6C. Drain the lubricant from the lower unit. (It is not necessary to drain when working on the pumps only.) Remove the bailer fitting. Push the inlet line into the casing, clear of the hole.
2. Remove the four screws just above the pump housing and pull the lower unit off. Unscrew the compression fitting holding the bailer line to the cavity. Remove the water line and seal.
3. Loosen the four pump body screws and remove the bailer cavity, the impeller and the impeller drive pin. The splash plate can then be lifted off.
4. Remove the seal ring, the pump cover plate and the impeller drive pin can then be removed.
5. Pull the pump cavity out and remove the two seal rings.
6. With a 9/16" socket wrench remove the two nuts within the pump housing and lift the housing off the lower unit body. The upper driveshaft bearing is seated within the housing, but can be easily driven out if necessary.
7. Lift the driveshaft, pinion gear and bearing assembly out of the unit.
8. The drive selector cam and shift rod can now be removed if necessary.
9. To disassemble the lower unit gears and prop shaft refer to pages G-6C and G-6D, following steps 8 thru 14.

ASSEMBLY

1. Replace the selector fork and extension. The long side of the fork faces downward. New seal rings should be used on the extension.
2. Set the lower drive shaft bearing, (or bearing and thrust washer on the 10 HP Model) in place. Start the driveshaft in, assembling the upper bearing, (or bearing and bearing retainer used on 7 1/2 and 10 HP models), driveshaft retainer, forward gear, clutch dog and reverse gear in order. The top (Forward) gear is marked with a T. Push the driveshaft down, lining up the shaft retainer with the hole in the shaft and insert the pin.
3. Insert the shift rod, attaching the reverse lock actuator. Screw the rod into place. Check clutch for full travel and engagement with forward and reverse gears.
4. Coat both sides of lower unit cap gasket with a #2 permatex. Replace the cap and prop shaft assembly.
5. Slide the dowel over the driveshaft and seat in place. *Cutaway View — Lower Unit*
6. Fasten the lower unit onto the lower motor casing. Assemble the bailer and water pumps.
7. Assemble the shift actuator assembly. Check the shift handle for full travel.
8. Push the lower motor casing up into position on the powerhead. It may be necessary to rotate the flywheel a few degrees to engage the driveshaft in the crankcase.
9. Bolt the lower motor casing to the powerhead with the 10 screws.
10. Fill the lower unit with Universal Gear Lubricant SAE-90.



Field reports have indicated a few instances of grease leaks in the lower units of the '54 motors. On the 5 - 7 1/2 and 10 HP models, the leakage occurs around the cap gasket. To remedy this, remove the cap and apply #2 Permatex to the sealing surfaces of the cap and body.

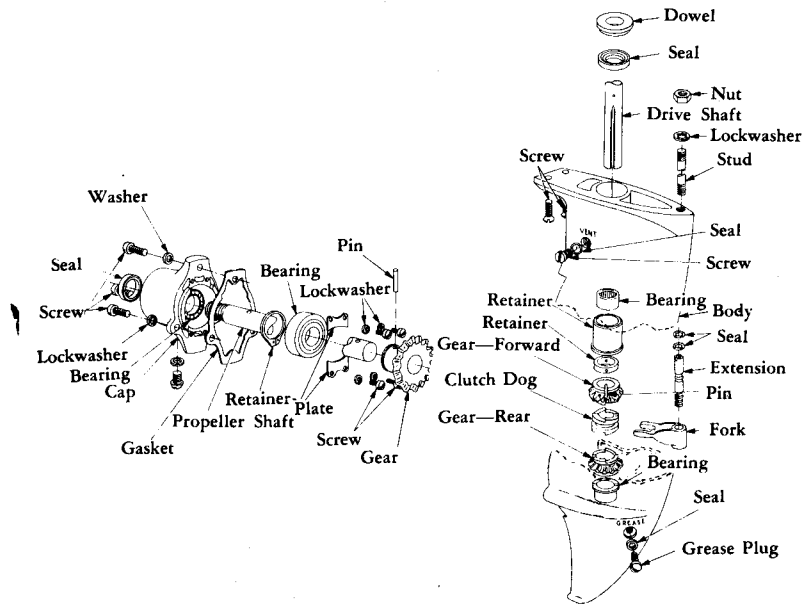
'55-'56 Lower units, 5 - 7 1/2 and 10 HP models are identical to those shown for '54. Possible signs of a grease leak around the propeller shaft can be remedied by placing one 3755-3126 seal ring behind the grease seal on the shaft.

'54 LOWER UNIT - 5 - 7 1/2 - 10 HP

A complete new and improved lower unit exists in the '54 models. The gear assembly is located vertically in the lower unit and assembled directly on the driveshaft. When disassembling and assembling, the following instructions should be closely followed. See also Sect. H, Page 6 Illustration.

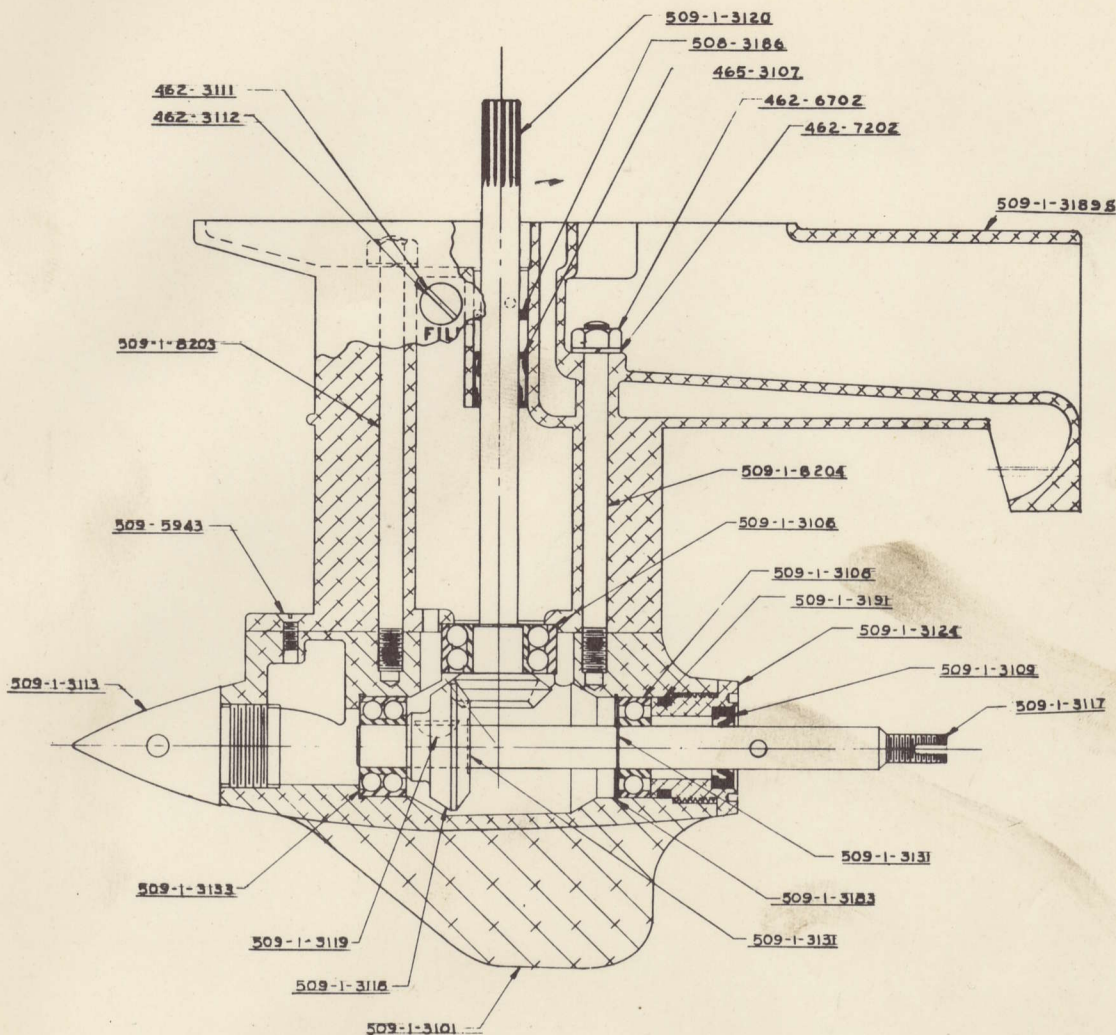
DISASSEMBLY

1. Let the grease drain from the lower unit while removing the lower motor casing. Remove the pumps as shown on Page H6.
2. With the shift handle in the forward position, remove the link pin from the shift rod link. Remove the cotter pin from the pivot shaft and slide the link to the side.
3. Loosen the reverse lock actuator screw. With a pliers, unscrew the shift rod and slide it out of the casing. This will also allow the reverse lock actuator to fall free.
4. Remove the nut and two screws attaching the lower unit to the lower motor casing and pull the two units apart.
5. With the prop off, remove the three cap screws and pull the cap assembly and prop shaft out. If it is necessary to replace parts within the cap assembly remove the plates on the back of the cap. If the prop shaft seal is removed, a new seal must be inserted.
6. The pinion gear is keyed to the prop shaft and can be removed by removing the lock ring and ball bearing then drive the pin out and slide the gear off the shaft.
7. Put the selector fork down into the reverse position. Push downward on the driveshaft until the retainer in top lower unit bearing is exposed and push the pin part way through the retainer and shaft. Rotate the shaft one-half a turn and pull the pin out. Remove the driveshaft and dowel.
8. The upper and lower bearings, the forward and reverse gears and the clutch dog can then be removed.
9. Insert a screw driver into the slot on the top of the shift rod extension and screw it upward and out. The selector fork is now free to be removed.



Exploded View — Lower Unit

GREEN HORNET LOWER UNIT - 509 - 1 - 3100



Part No.	Description	Part No.	Description
*509-1-2900	Driveshaft - Top End	509-1-3124	Rear Cap
509-1-3101	Lower Unit Body	509-1-3131	Retaining Ring
509-1-3106	Bearing - Pinion	509-1-3133	Bearing - Front
465-3107	Bearing	509-1-3173	Propeller Shaft Assembly
509-1-3108	Bearing - Rear Prop Shaft	509-1-3177	Rear Cap Assembly
509-1-3109	Seal - Propeller Shaft	509-1-3183	Snap Ring - Rear Bearing
462-3111	Grease Plug	508-3186	Seal - Driveshaft
462-3112	Gasket - Grease Plug	509-1-3189S	Lower Unit - Top Section
509-1-3113	Nose Plug	509-1-3190	Splash Plate
509-1-3117	Propeller Shaft	509-1-3191	Seal Ring - Rear Cap
509-1-3118	17 Tooth Gear	509-5943	Vent Screw
509-1-3119	Woodruff Key	509-1-8203	Stud - Front
509-1-3120	Lower Driveshaft & Pinion	509-1-8204	Stud - Rear
509-1-3121	Propeller (Not included in 509-1-3100 Assembly)	519-8608	Cotter Pin - Prop. Nut
509-1-3123	Propeller Nut	462-6702	Nut
		462-7202	Lock Washer

1-30 LOWER UNIT MODIFICATION

The modification shown on the previous page shows how to improve the Model 509 water inlet. A more satisfactory system would be to replace the necessary parts to move the inlet in back of the propeller as is done on the late model 519.

To make this change, replace the following parts:

519-3189	Pump Housing
519-3103	Anti-Cavitation Plate
509-2901	Drive Shaft-Lower End
519-3185	Seal Ring - Pump Cavity - Bottom
509-8204	Stud-Rear (longer than stud used in model 509)

Be sure to change the driveshaft because the case hardened surface for the needle bearing has been changed. It is not necessary to replace the Lower Unit Top Section, however, it is advisable to fill the water inlet holes in front with liquid solder or lead shot.

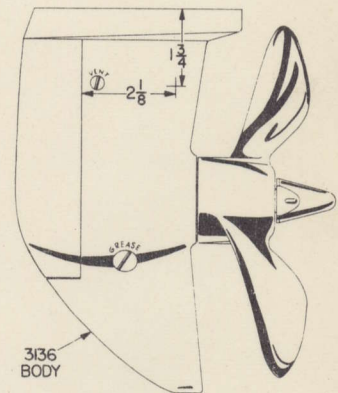
If the motor is ever stored in a freezing climate, drill small drain holes in the Pump Housing and Lower Unit Top Section wherever water might accumulate. If water is left in these cavities and it freezes, the ice will break out the casting walls.

ADAPTATION OF SALT WATER FLUSHING PLUG

For models manufactured without facilities for flushing the internal water lines and passages, the following instructions show how to install the salt water flushing plug.

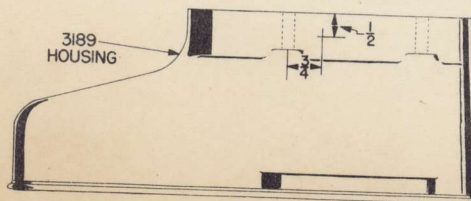
4.0, 5.0 and 7.5 HP (1949 through 1953)

On "grease plug" or "port" side of motor locate center of the hole 2 1/8" from front of #3136 lower unit body and 1 3/4" from top of body. (See illustration.) Drill through with 11/32 drill and tap with 1/8-27 National pipe tap. Use standard 1/8" pipe plug or 509-8602 pipe plug.

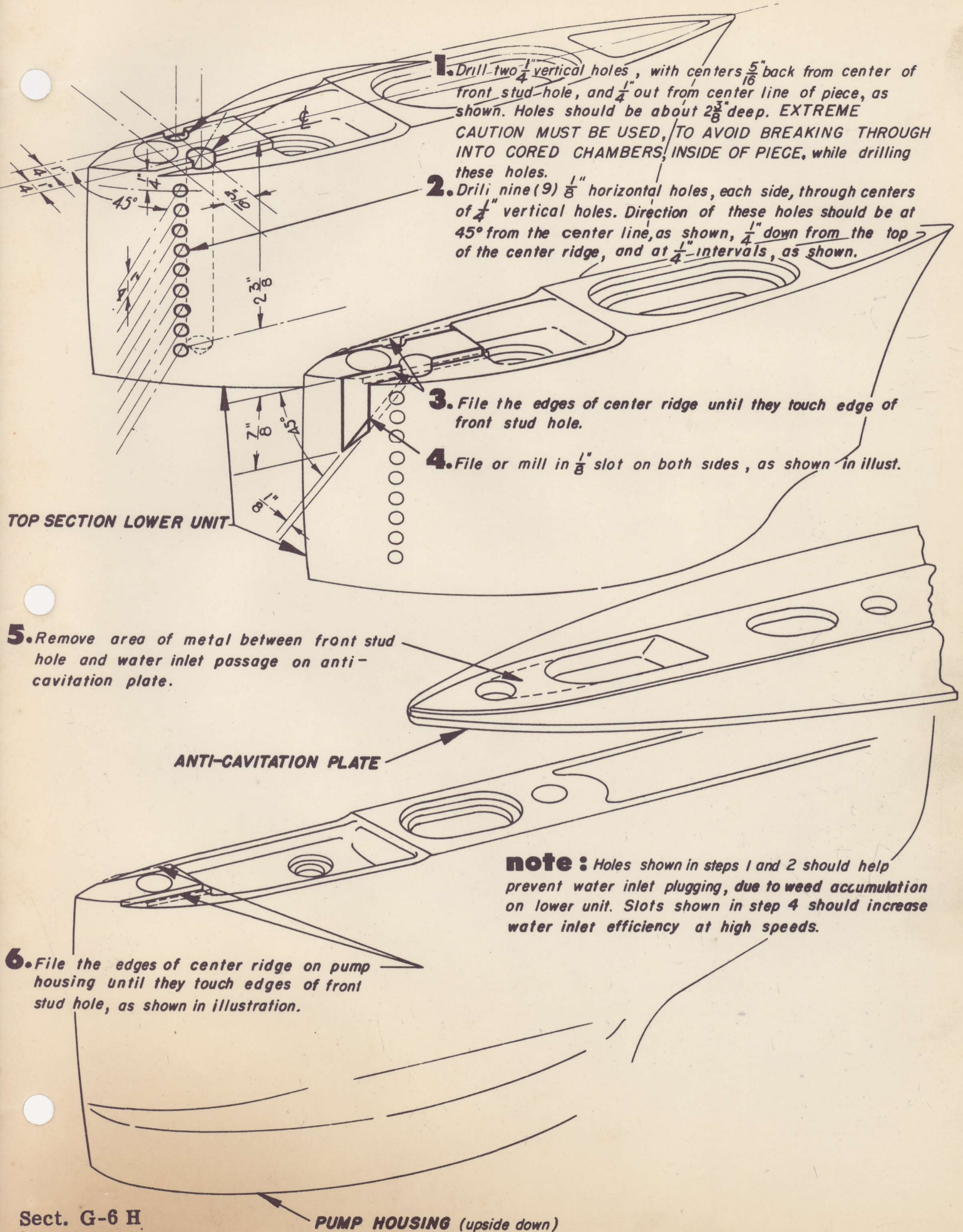


10 and 16 HP (1950 through 1953)

On "Shift" or "Starboard" side of motor, locate center of the hole in #3189 pump housing 3/4" from the center of rear lower unit fastening screw (508-5930 on the 10 HP and 509-5947 on the 16 HP) and 1/2" down from top of this pump housing. (See illustration.) Drill through with 11/32 drill and tap with 1/8-27 National pipe tap. Use standard 1/8" pipe plug or 509-8602 pipe plug.



1-30 Lower Unit Water Inlet Holes Modification



1. Drill two $\frac{1}{4}$ " vertical holes, with centers $\frac{5}{16}$ " back from center of front stud hole, and $\frac{1}{4}$ " out from center line of piece, as shown. Holes should be about $2\frac{3}{8}$ " deep. **EXTREME CAUTION MUST BE USED, TO AVOID BREAKING THROUGH INTO CORED CHAMBERS, INSIDE OF PIECE, while drilling these holes.**

2. Drill nine (9) $\frac{1}{8}$ " horizontal holes, each side, through centers of $\frac{1}{4}$ " vertical holes. Direction of these holes should be at 45° from the center line, as shown, $\frac{1}{4}$ " down from the top of the center ridge, and at $\frac{1}{4}$ " intervals, as shown.

3. File the edges of center ridge until they touch edge of front stud hole.

4. File or mill in $\frac{1}{8}$ " slot on both sides, as shown in illust.

5. Remove area of metal between front stud hole and water inlet passage on anti-cavitation plate.

note: Holes shown in steps 1 and 2 should help prevent water inlet plugging, due to weed accumulation on lower unit. Slots shown in step 4 should increase water inlet efficiency at high speeds.

6. File the edges of center ridge on pump housing until they touch edges of front stud hole, as shown in illustration.

17. Screw the shift connector "A" on until the holes for the pin line up when both the shift handle and the lower unit are in the correct neutral position. (See illustration under #1 of disassembly.) This adjustment is important because it is the only linkage between the lower unit and shift handle. It is easiest to manipulate the shift connector with the lower unit in reverse and the handle in the forward position.

18. Replace the shift actuator pin and the hair pin cotter. If the hair pin cotter has lost its tension, use a standard type of cotter pin. The newer style pin with the "U" shaped clip can also be used in place of the hair pin cotter.

19. Fill the lower unit with Universal Gear Lubricant SAE 90 (EP). Use Texaco "Maropa" if available.

THINGS TO WATCH FOR

Water Pump Works at Slow Speed Only. Usually this will be caused by a tight fit between the pump and driveshaft. During high speed operation, the gears tend to move the shaft upward slightly. Unless the pump is allowed to float on the shaft, the pump will be pushed up against the pump cover plate and break the seal. If this has happened, replace the worn pump impeller and file the Woodruff key so that the new impeller will float on the shaft.

Lower Unit Jams or Turns Free. The pin that holds the pinion on the driveshaft may have come out. Early production used a knurled pin, later a rivet was used. Install a new rivet and pean the end.

If the knurled pin in the clutch dog is loose, it is advisable to replace the clutch dog with the later type, which uses a retainer to hold the pin in position. If you cannot obtain a new clutch dog, use a new pin and a new prop shaft plunger, making sure the pin is a tight press fit in the plunger.

Check the torsion bar in the driveshaft to see that it has not been deformed. Normal shape is a flat bar.

Grease Leaks Around the Lower Unit Cap. Loosen two set screws, remove the cap and coat the threads with glyptal and replace cap tightly. (If this doesn't stop it, cut a .015 gasket to fit with "O" ring).

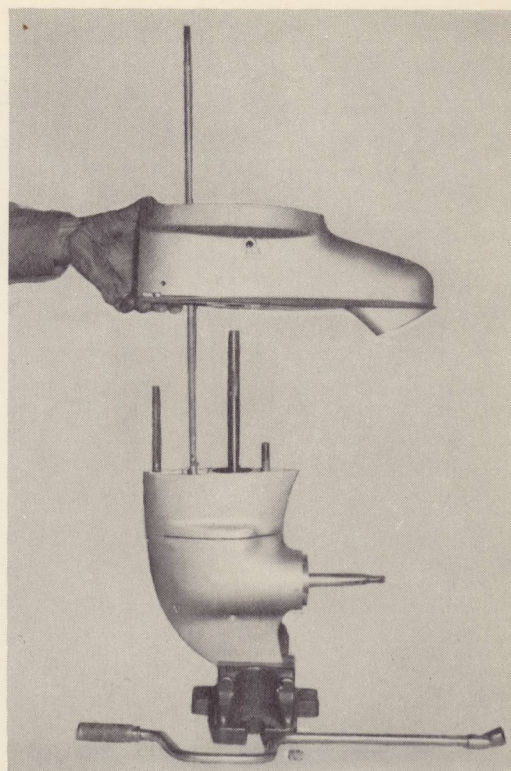
Grease Leaks Between Castings. Lay a smooth sheet of emery paper on a surface plate, or other flat surface, and smooth out parting surfaces by sanding very lightly. See the illustration at the end of the instructions for the 10HP powerhead.

Grease Leaks Around Shift Rod and Pivot Tube. A certain amount of grease will travel up between the shift rod and tube to lubricate the parts. If there is excessive leakage, replace the shift rod with the later type that has an oil seal or "O" ring about 6 inches from the top end.

Water Pump Quits - Weeds on Lower Unit. See modification on next page.

11. With the "O" ring and grommet in position in the pump housing, place the anti-cavitation plate and pump housing, held together by the screw in the back, in position. Be sure that the bearing and seal around the driveshaft are in position. Tighten the two nuts on the studs.

12. With the "O" ring and water pump cavity in place, replace the Woodruff key and slide the pump into the cavity, turning it with a clockwise motion to set blades at proper angle. The pump must slide freely over the key so that it will float on the shaft. It may be necessary to file the key slightly.



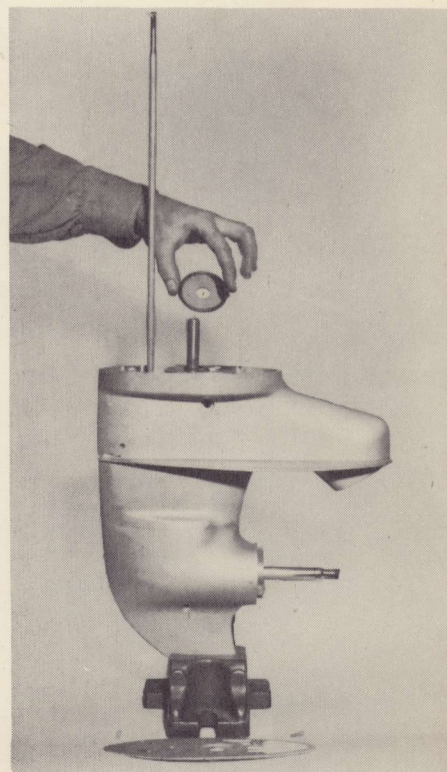
Installing pump housing.

13. Apply a thin coat of permatex on the top of the pump cover plate next to the locating lip and slide the plate over the shaft. Place the "O" ring in position.

14. Slide the splash plate over the shaft and replace the two screws that hold it in position.

15. Grease both connections and place the top half of the driveshaft over the lower end making sure the torsion spring enters the slot in the driveshaft. Then push the lower unit up into place on the lower motor casing. It may be necessary to rotate the flywheel a few degrees before the driveshaft will engage the slot in the crankshaft.

16. Bolt the lower unit in position with the four Bristol screws.



*Replacing pump cover plate.
Note Glyptol around locating lip.*

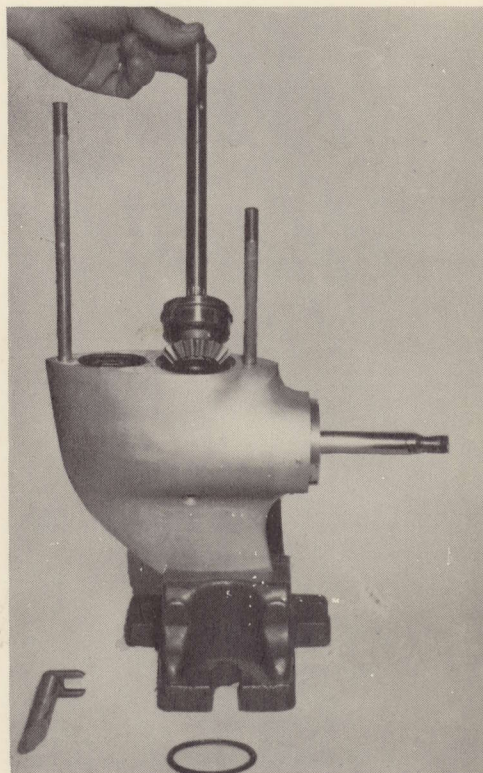
6. Slide the rear bearing and cage into position so that it fits against the spiral ring.

7. Place the "O" ring in position, coat the threads with a little glyptal and screw the cap on tightly. Tighten up the set screws.

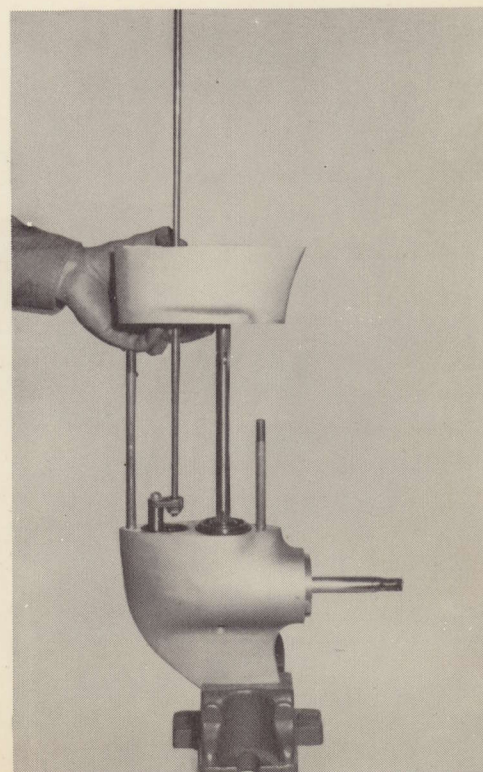
8. Place the driveshaft, pinion gear and bearing assembly in position. If you find that the bearing is not held snugly in place by the spiral lock on the pinion, cut a washer out of proper shim stock and insert between the bearing and spiral lock. Be sure that the rivet holding the pinion on the shaft is in tightly.

9. Slide the drive selector cam into the lower unit and replace the "O" ring. Screw the special nut all the way on the shift rod and lock in place with the other nut. Place the shift rod and special nut in position. Replace the "O" ring around pinion gear bearing.

10. Slide the lower unit top section over the studs making sure that the grommet around the shift rod is in position. Place the "O" ring in the groove around the driveshaft. Slide the shift rod tube over the shift so that the lower shoulder fits against the Neoprene grommet.



Placing pinion in position.



Installing top section of lower unit.

10. Use the special puller to pull the rear prop shaft bearing and cage out of the lower unit. This bearing cannot be removed by pulling on the prop shaft because the gears cannot get by the spiral ring.

11. Remove the spiral lock by starting one end out with a screw driver, grasp it with a long nose pliers, and work the spiral out of the groove.

12. Pull the prop shaft assembly and reverse gear out of the unit.

13. The forward gear can now be taken out. With the pinion gear still in place it will be necessary to rotate the forward gear around to the side of the pinion in order to remove it.

14. Fish out the thrust washer. If necessary, the front prop shaft bearing can be pulled out with the special puller. This bearing can also be removed by running hot water over the casting, then tapping the casting on a table so that the bearing falls out.

ASSEMBLY

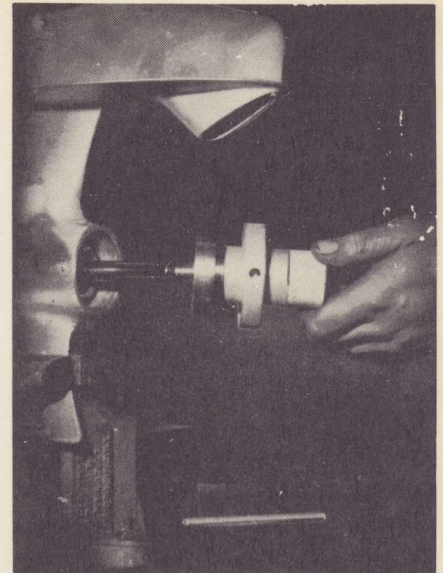
1. If the clutch dog has been removed from the shaft, replace it so that the teeth with the chamfered edge face the propeller end. See the illustration on page 4 of this section. If the clutch dog is held in place with a knurled pin, see instructions under, "Things to Watch For".

2. With the front prop shaft bearing in place, coat the thrust washer with grease and place it in position. Place the forward bevel gear, the one that has a bronze bearing in the hub, in place over the thrust washer.

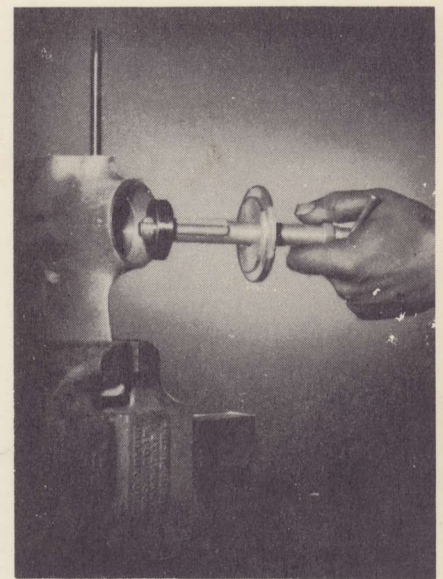
3. Pull the drive selector cam up, or into the forward gear position. Line up the washer and gear as closely as possible, then carefully insert the prop shaft assembly. Be sure that the shaft is all the way into position; as a check, $3 \frac{13}{16}$ inches of the driveshaft should be exposed beyond the face of the lower unit housing.

4. Place the rear bevel gear, the one with a needle bearing in the hub, on the shaft. Slide the thrust washer into position on the shaft.

5. Work the spiral ring into the groove in the casting.



Removing rear prop shaft bearing.



Removing front prop shaft bearing.

16 HP SHIFT LOWER UNIT THRU 1953

DISASSEMBLY

1. Remove the shift actuator pin, Part No. 509 - 4364, and unscrew the shift connector "A" until it is free of the shift rod. There is not much room at this point under the powerhead, but by placing the shift lever in forward and the shift rod in reverse, you can manipulate this part with the fingers.

2. Remove the four screws just above the water pump housing and pull the lower unit off. The top half of the driveshaft can then be lifted off.

3. Remove the splash plate, exposing the water pump. Pull the impeller out and remove the Woodruff key.

4. Drain the lubricant out of the lower unit. You can drain the lubricant while disassembling the above, however, it is not necessary to drain when working on the water pump.

5. Remove the two nuts on the lower unit studs with a 9/16 socket wrench. Remove the screw at the exhaust outlet, which holds the anti-cavitation plate to the pump housing. The lower unit can then be pulled apart.

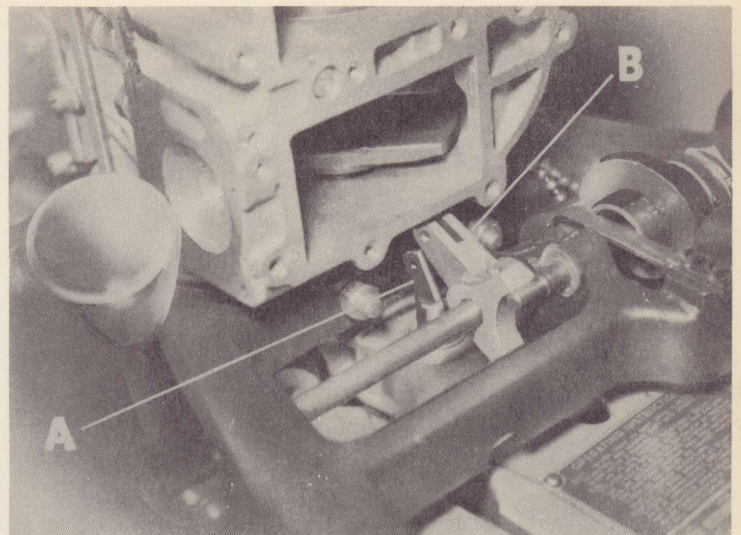
6. Slide the driveshaft, pinion gear and bearing assembly out of the unit.

7. The drive selector cam can now be removed if necessary.

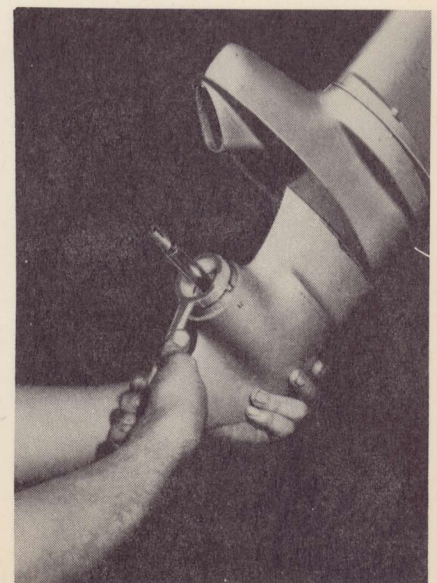
NOTE: It is not necessary to complete the above steps before disassembling the lower unit gears and prop shaft, which is described below:

8. Remove the propeller, loosen the two set screws on the side of the unit and unscrew the lower unit cap.

9. Remove the "O" ring. This can be done by reaching in and grasping it with a long nose pliers.



Shift actuator linkage.

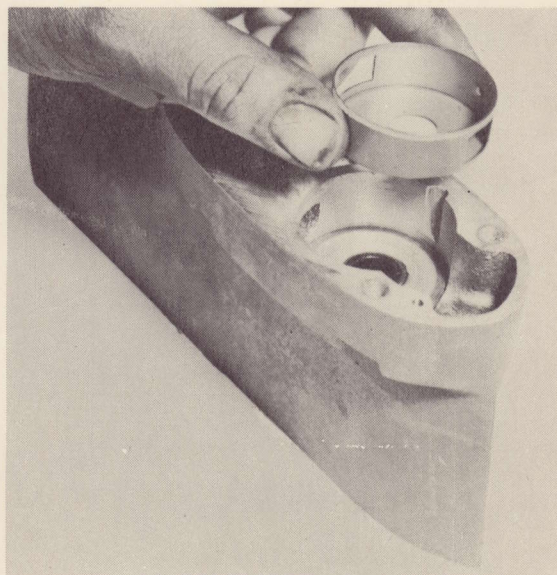


*Removing lower unit cap.
Tools shown in illustrations
are A50-635 Lower Unit.
Tool Set, \$6.50 net per Set.*

THINGS TO WATCH FOR

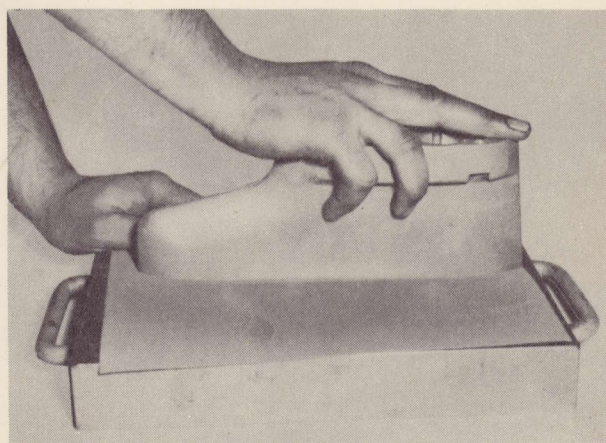
Clutch Dog Broken. Early models were equipped with a clutch dog that has since been improved. If this part breaks, or if the unit is serviced, replace the old clutch dog with the newer type. The new ones are lighter colored and are not chamfered around the hole for the cross pin.

Water Pump Quits. A few of the early models may quit pumping water because the cavity has turned backward in the casting, closing the inlet hole. This can be prevented by using the newer style cavity that has a dimple in the port side. Lay the new cavity in place, mark the casting and file a groove in the casting for this dimple to slide down into. The old cavity can also be fixed by making a punch mark on the port side of the cup with a dull center punch and filing a groove in the casting to match.



Dimple in the cup corresponding to the slot in the casting.

Grease Leaks Between Castings. Lay a smooth sheet of fine emery paper on a surface plate, or other flat surface, and run the flat surface of the casting over the emery paper lightly. Do not remove any more metal than is absolutely necessary. A thin layer of permatex will also help seal these joints.



Smoothing out parting surfaces

10 HP SHIFT LOWER UNIT THRU 1953

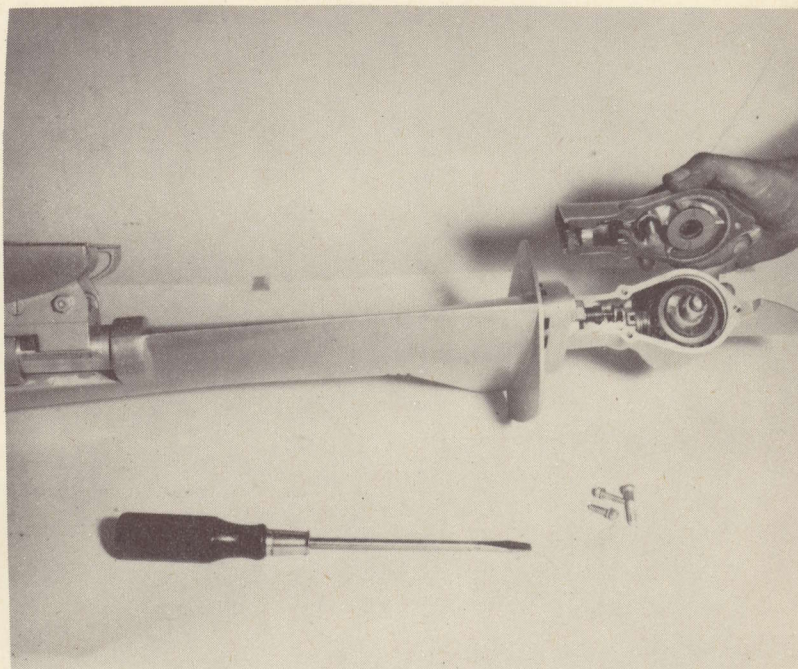
DISASSEMBLY

1. Remove grease plugs and drain grease.
2. Remove the bearing cap and unscrew the special nut on the shift rod.
3. Remove the four Bristol screws just under the pump housing and pull the lower unit off.
4. Pull off the top half of the driveshaft, remove the splash plate, pull the water pump impeller out and remove the pump pin.
5. Remove the stud nut exposed when the cap was taken off and the nut down in the pump housing casting. The lower unit castings can then be separated.
6. Disassembly of the lower unit gears is the same as for the smaller shift motors.

ASSEMBLY

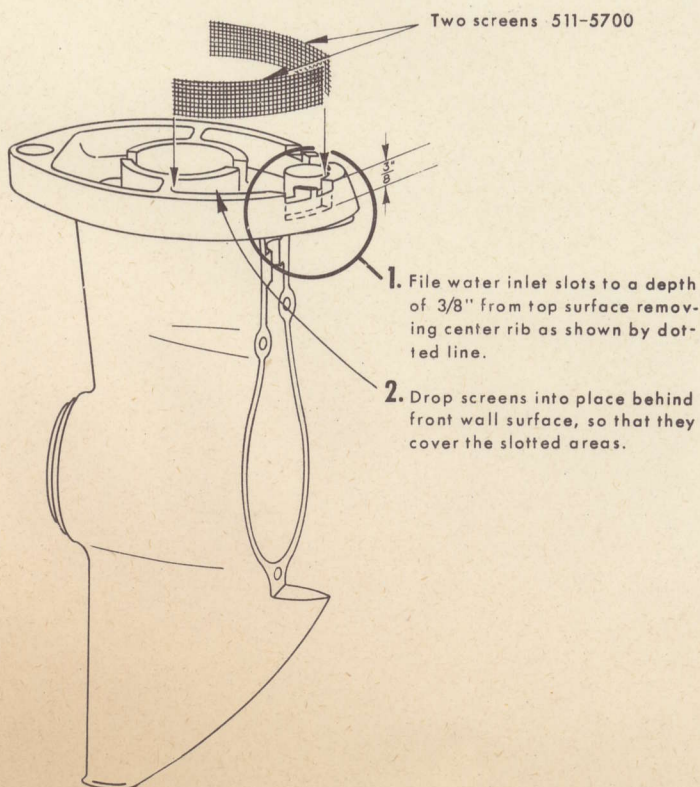
1. Assemble the lower unit gears and driveshaft stub according to instructions given on pages 4 and 5 of this section.
2. Place the "O" ring in the groove in the lower unit body. If you find this groove so deep that the "O" ring will not be compressed, cut a washer out of .015 gasket material or shim stock and place it under the "O" ring. Use permatex to insure a seal around the washer.
3. Slide the anti-cavitation plate on the driveshaft, place the "O" ring in the bottom of the pump housing casting and slide the casting over the driveshaft. Replace the two stud nuts and tighten down. Be sure to use the thin walled nut on the front stud, otherwise the lower unit cap will not fit.
4. Replace the two seal rings and the water pump cavity. Insert the pump pin and slide the water pump impeller down into the cavity, turning it with a clockwise motion to properly position the blades. The side marked TOP must face upward.
5. Replace the pump cover plate and "O" ring. Slide the splash plate over the driveshaft and replace the screws.
6. Grease driveshaft connections and slide the top section of the driveshaft on the stub making sure the torsion spring enters the slot in the stub. Attach this assembly to the lower motor casing. If you have any difficulty steering the shift rod into the sleeve, bend the rod forward slightly. It may also be easier to coat the end of the driveshaft with heavy grease and push it up in place in the lower motor casing while the lower unit is being worked into position, then steer the drive-shaft into position after the shift rod has come through.
7. Move the gearshift handle until there is 1/32 inch clearance between the reverse lock and the thrust socket. Next, place the drive selector cam in neutral. Now screw the special nut on the shift rod until it will engage the fork on the drive selector without moving out of the correct neutral position.
8. With the proper thrust washer in place, attach the lower unit cap over a new gasket and fill the housing with Universal Gear Lubricant SAE 90 (E.P.). When available, use Texaco "Maropa".

The drive selector cam fork must engage the special nut on the shift rod. On '49 models it may be necessary to move the nut by moving the shift lever on the side of the motor. On the '50 models, set the shift rod so that there is 1/32" clearance between the reverse lock and thrust socket, then place the drive selector cam in the bearing cap in the neutral position and hold the bearing cap in position over the prop shaft. If the cam fork will not engage the nut, screw the nut up or down until the fork will slide over the nut without moving either the reverse lock or the drive selector cam out of the correct neutral position. Usually the nut will be screwed on until 2 or 3 threads show beyond the nut. Screw the cap in position and fill with grease. Do not force the bearing cap assembly into place. If it does not seat easily, either the thrust bearings are interchanged or not in position, or the fork is not engaged with the special nut on the shift rod.

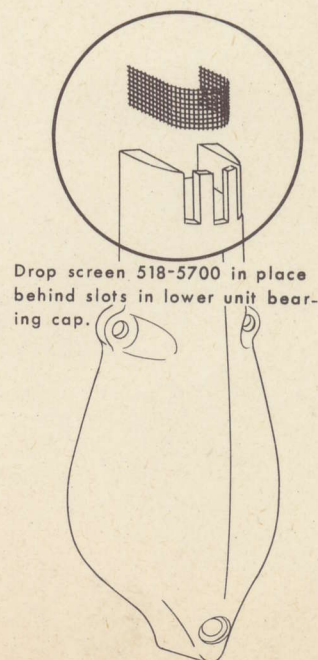


Checking position of special nut before replacing bearing cap.

**MODIFICATION OF SHIFT LOWER UNITS FOR OPERATION
IN EXTREMELY DIRTY WATER
(4 thru 10 HP MODELS)**



**10 HP (Only
Bearing Cap)**



The smallest thrust washer goes on the driveshaft. Of the two remaining, the thinner one with the short projections goes next to the rear ball bearing and the thicker one with the long projections goes next to the needle roller bearing in the bearing cap. A heavy grease will hold these washers in place while completing the assembly.

ASSEMBLY

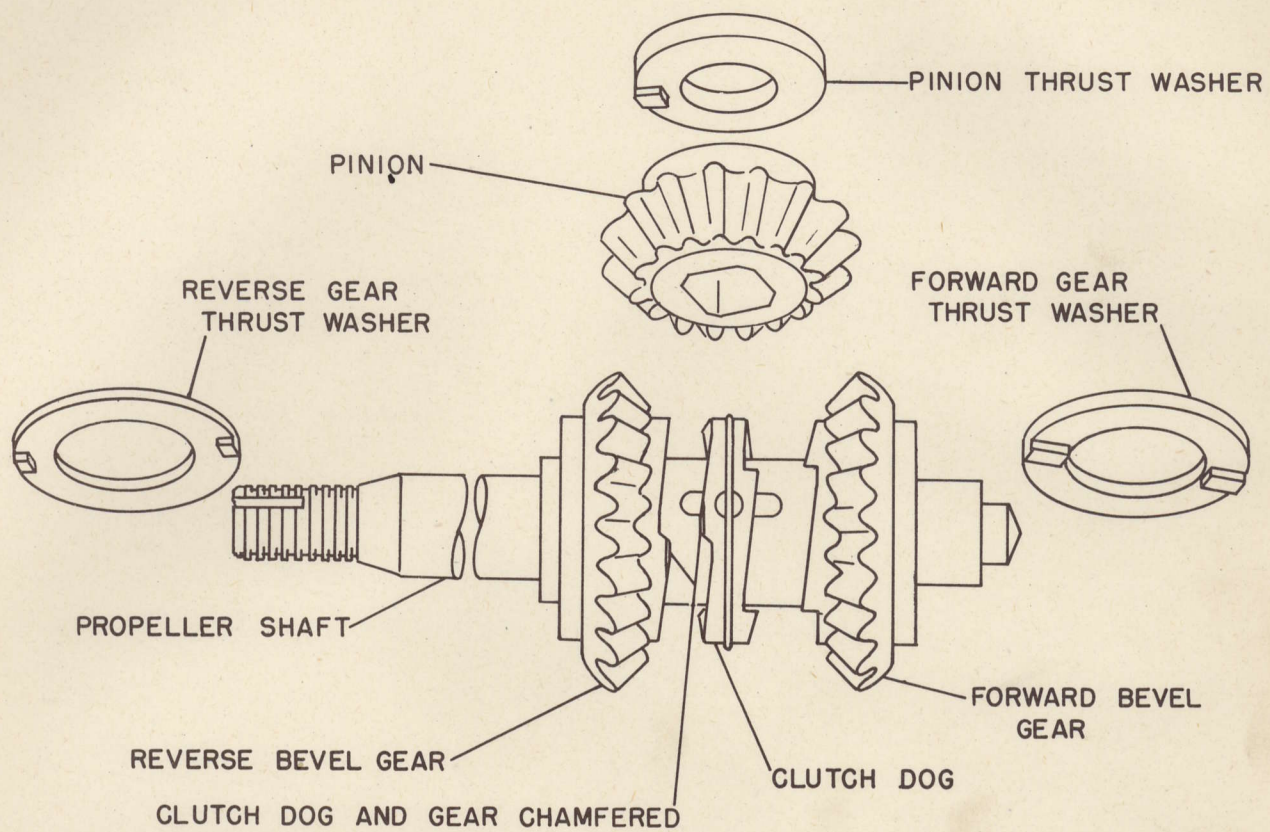
1. Slide the anti-cavitation plate and pump cover plate (held together with the rubber grommet) onto the driveshaft, making sure the word "TOP" stamped on each plate, faces upward. Slide the water pump impeller on the shaft and drive in the impeller pin.

On '50 models, the driveshaft is split so that it is not necessary to place the anti-cavitation plate on the shaft first. Just press in the impeller pin and insert the lower driveshaft stub in the lower unit. The pump cover plate and the anti-cavitation plate can be replaced after the rest of the gear housing has been assembled.

2. Insert the driveshaft in the lower unit and slide the correct thrust washer and bevel gear on the shaft. Press the pinion pin in position and replace the retainer in such a way that the overlapping edge points to your right when looking into the lower unit. In this position it will not pick up grease when rotated by the motor. Draw up the driveshaft, making sure that the thrust washer is properly seated, and slide the impeller down into the pump housing, engaging the impeller pin on the driveshaft.
3. With the proper thrust washer in place, take the reverse gear (the one with the needle roller in the hub and the chamfer on the edge of the dog face) and slide it in behind the pinion gear. Insert the propeller shaft and clutch dog assembly.
4. Replace the lower unit and driveshaft on the motor with the drive selector rod passing through the rubber grommet in the anti-cavitation plate. It may be necessary to rotate the motor a few degrees to get the driveshaft to engage the spline in the crankshaft. Replace the two lower unit stud nuts and lockwashers.
5. Slide the seal sleeve on the shift rod casing and screw the special nut on the rod until the end of the rod is flush with the face of the nut.

On '50 models, there is a special "O" ring that slides on the shift rod and over that, a short length of aluminum casing which has a synthetic seal-sleeve on the lower end. Coat the seal with permatex to insure a grease tight seal at this point.

6. Slide the forward bevel gear on the propeller shaft. Coat the thrust washer with grease and place it in position in the bearing cap.
7. Replace the bearing cap assembly making sure the thrust washer is in place, the seal sleeve on the shift rod is in place and bearing cap gasket is properly placed.



The following instructions for the disassembly and assembly of the lower unit should be followed closely; otherwise serious service problems can result.

DISASSEMBLY

1. Remove the three screws holding the bearing cap and remove the cap.
2. Unscrew the special nut on the drive selector rod.
3. Remove the lower unit stud nuts allowing the entire lower unit, driveshaft and anti-cavitation plate to be pulled off the lower motor casing. The top and bottom halves of the 1950 driveshaft may be separated by simply pulling them apart.
4. Slide off the forward bevel gear and thrust washer. If the propeller has been removed, the prop shaft can be pulled out and the reverse bevel gear and thrust washer removed.
5. Slide the pinion pin retainer up, push the pin part way out, rotate the shaft 1/2 turn and pull the pin out with a pair of pliers. The lower end of the driveshaft can now be pulled out, releasing the pinion gear and pinion thrust washer.
6. The water pump impeller can be slid off the driveshaft; and by driving out the impeller pin, the pump cover plate and anti-cavitation plate can be slid off the driveshaft. On '50 models, the driveshaft comes apart so that it is unnecessary to remove the pinion gear to take the water pump impeller off. Just pull the top 1/2 of the driveshaft off, remove the anti-cavitation plate and pump cover plate, and pull the water pump impeller off the top of the driveshaft stub.
7. The clutch dog can be taken off the propeller shaft by sliding the retaining ring (only on '49 models) aside and driving out the cross pin. This also releases the spring loaded prop shaft plunger.
8. To remove the drive selector cam; remove the cam detent retainer, drive out the expansion plug, remove the fork and slide out the cam.

The bearings and seals can all be replaced. The bearing in the cap assembly must be pulled out with a puller, the others can be pressed out. In replacing the propeller shaft rear ball bearing, the open end must face inward. The other two bearings should be pressed in putting pressure on the printed end. The bronze upper driveshaft bearing should be pressed in flush with the bottom of the pump cavity forming a groove for the pump seal ring to fit in.

In replacing the dog on the propeller shaft, the dog must be placed so that the teeth with the chamfered edge face the rear, or propeller end. Care must be taken to see that the three bronze thrust washers are in their proper places and the projections are properly seated in the grooves in the die cast housing.

ASSEMBLY

1. With the cam in position on the driveshaft, insert the driveshaft through the lower pump cam thrust washer and into the lower unit body.
2. Place the pinion gear thrust washer (twins only) over the driveshaft so that the projections fit into the slots in the casting and slide the pinion gear on the shaft.
3. If the gear has been removed from the propeller shaft, press it back on the shaft over the Woodruff key against the gear retaining ring.
4. With the bevel gear on the prop shaft, insert the shaft so that the two gears mesh.
5. Replace the water pump. The side marked "TOP" must face upward.
6. Place the upper pump cam thrust washer and anti-cavitation plate over the driveshaft. Side marked "TOP" must face upward.
7. Grease the spline connection between driveshaft and crankshaft with an anti-corrosive viscous lubricant.
8. Replace the entire unit on the lower motor casing. It may be necessary to rotate the motor a few degrees to allow the shaft to engage the spline. Bolt in place.
9. Place the thrust washer (twins only) in the bearing cap (hold it in place with grease) and slide the bearing cap in place over a new gasket. Screw in place.
10. Replace the propeller.

SHIFT MODEL LOWER UNIT

Most service problems concerning the shift can be corrected by making the adjustments outlined in Section B or in the Owner's Manual. Consult that section before disassembling the lower unit to correct any shifting difficulties.

If the motor will not go into reverse, or if it jumps out of reverse, first check to see that the shift lever is not binding. If everything is in order, the trouble probably lies in the lower unit. Either the clutch dog has been at one time installed backwards or the cam detent is loose.

Grease leaks in the lower unit may be caused by an improper seal around the shift rod. Remove the bearing cap and replace the seal.

Lower units of '49 models can be recognized by the type of shift actuating mechanism used. The shift and the reverse lock on '49 models are actuated by wires, while in '50 models, steel rods are used. The '50 models also have a two piece driveshaft; however, the '49 model driveshaft, with the short rubber type shock absorber near the top end, can be replaced by the newer split shaft with the long, torsion spring shock absorber.

LOWER UNIT, WATER PUMP AND PROPELLER

1946 - 47 - 48 LOWER UNIT

The gear housing on the single cylinder models has graphite bronze bearings throughout, while the twin models have a Torrington needle roller bearing supporting the lower end of the driveshaft and one in the cap supporting the front of the propeller shaft.

The bronze thrust washers in front of the needle roller bearings have projections that must fit into slots in the housing to prevent the thrust washer's turning. If improperly installed, damage will occur to thrust washer and bearings.

All the bearings are replaceable, but replacement is seldom necessary because they are designed to last the life of the motor. An excessive amount of water mixed with the grease in the lower unit usually indicates that the propeller shaft grease seal is worn or the bearing cap gasket leaks.

DISASSEMBLY (Follow instructions in the order given)

1. Remove the propeller.
2. Remove the bearing cap by removing the two screws that hold it in place.
3. Remove the nut thus exposed and the corresponding nut on the other side above the propeller. This allows you to pull off the lower unit, including the driveshaft and anti-cavitation plate.
4. Pull the propeller shaft out. This releases the pinion gear (and thrust washer on twins) from the driveshaft.
5. Pull out the driveshaft and remove the water pump.
6. If it is necessary to replace either the propeller shaft bevel gear or the propeller shaft, the bevel gear can be removed from the propeller shaft by pressing the shaft out of the gear.
7. The water pump cam on the driveshaft is pressed on over a knurl on the shaft. This cam should be pressed on until the measurement from the bottom of the shaft to the bottom of the cam is exactly 3-1/4". If a stainless steel cavity is installed, the measurement should be 3-7/32" for the singles and 3-5/32" for the twins.

SCOTT-ATWATER SERVICE MANUAL

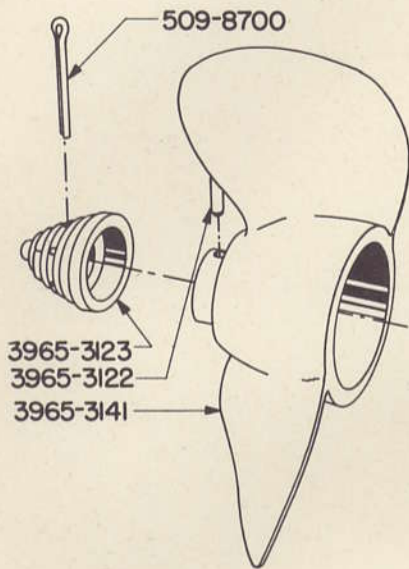
SECTION G - LOWER UNIT, WATER PUMP AND PROPELLER

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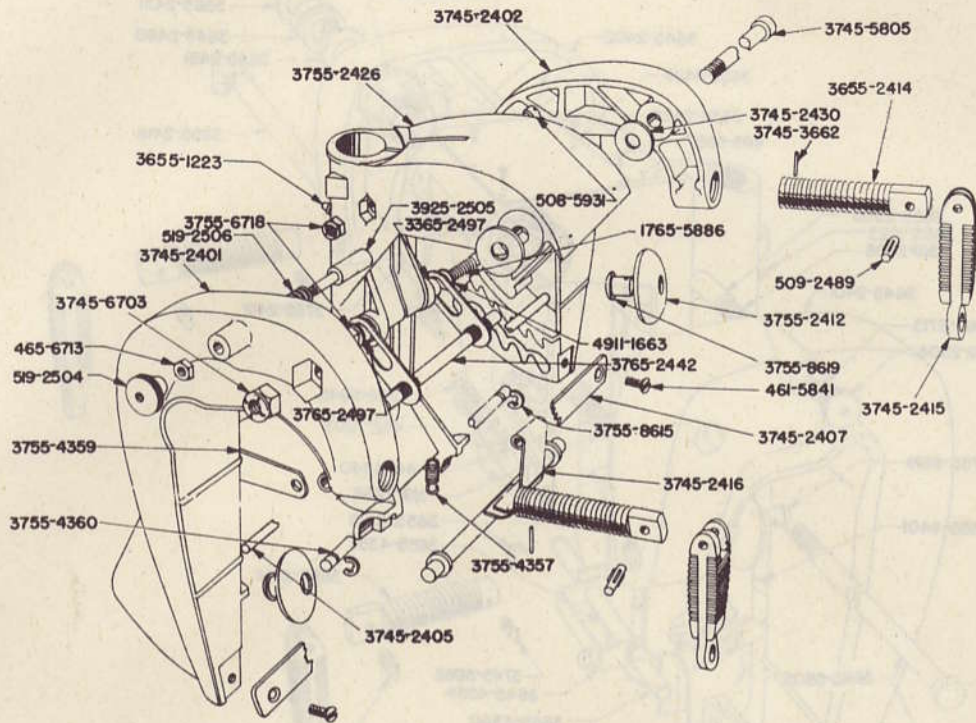
(PROPELLER - 3065 P32)
(PROPELLER - 3865 P42)

PROPELLER-3965



<i>Part Number</i>	<i>Description</i>
3965-3122	Shear Pin
3965-3123	Nut—Prop.
3965-3141	Propeller
509-8700	Cotter Pin

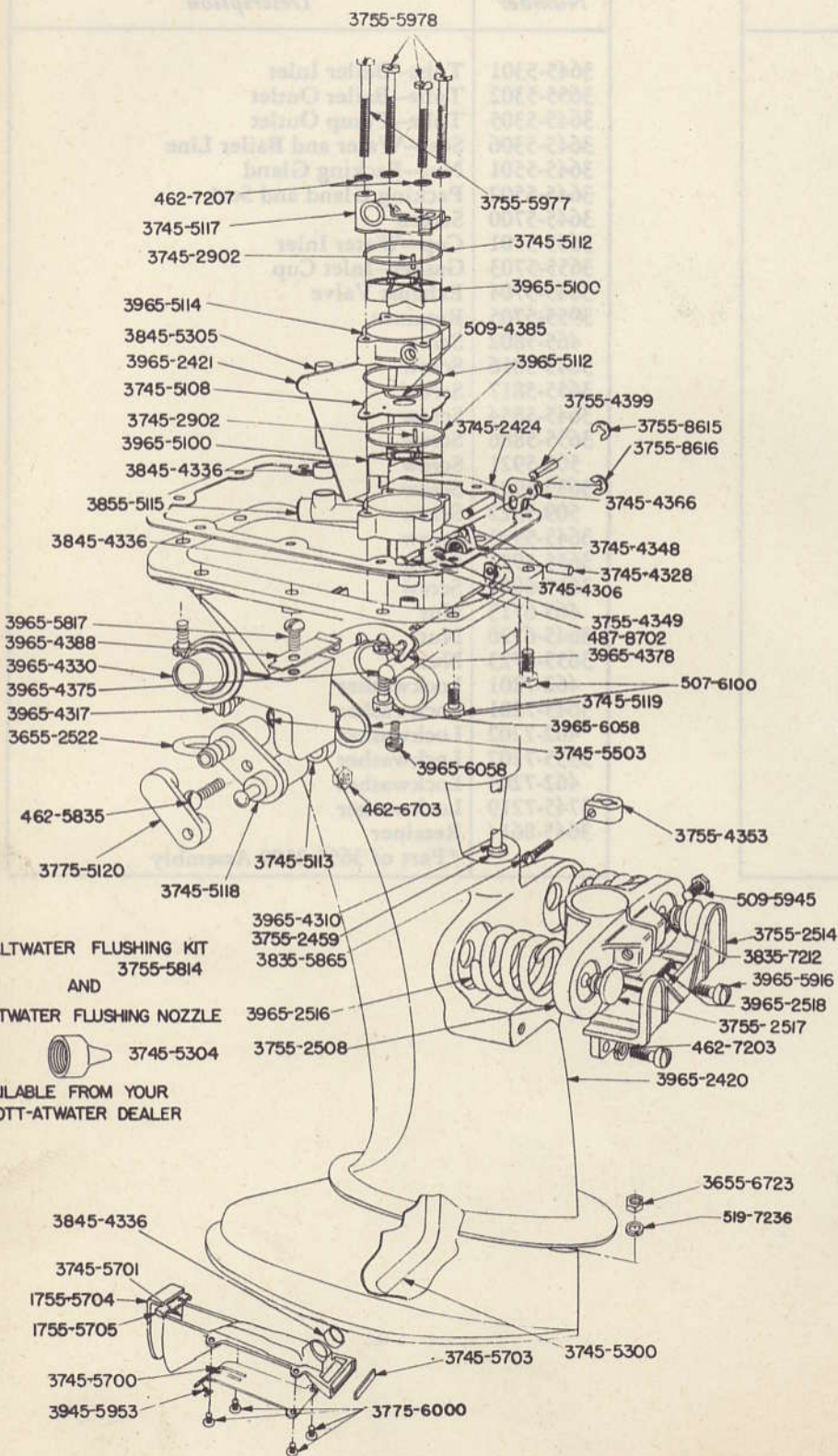
BOAT BRACKET 3365, 3765, 3865, AND 3965



Part Number	Description
3655-1223	Fitting
4911-1663	Washer
3745-2401	Boat Bracket—R.H.
3745-2402	Boat Bracket—L.H.
3745-2405	Pivot Shaft—Tilt Pin Support
3745-2407	Crosspiece—Boat Bracket
3755-2412	Pad—Clamp Screw
3655-2414	Clamp Screw
3745-2415	Handle—Clamp Screw
3745-2416	Tilt Pin Assembly
3755-2426	Pivot Bracket
3745-2430	Friction Washer—Boat Bracket Bolt
3765-2442	Tilt Stop Assembly
509-2489	Pin—Clamp Screw and Handle
3365-2497	Spacer
3765-2497	Spacer
519-2504	Knob

Part Number	Description
3925-2505	Plunger
519-2506	Spring
3745-3662	Pin
3755-4357	Spring—Reverse Lock
3755-4359	Yoke—Reverse Lock
3755-4360	Pin—Reverse Lock
3745-5805	Bolt—Boat Bracket
461-5841	Screw—Crosspiece
1765-5886	Screw
508-5931	Friction Screw—Pivot Bracket
3745-6703	Locknut—Boat Bracket Bolt
465-6713	Nut
3755-6718	Locknut—Friction Screw
3755-8615	"E" Ring
3755-8619	Clevis Pin

POWERHEAD SUPPORT—3965



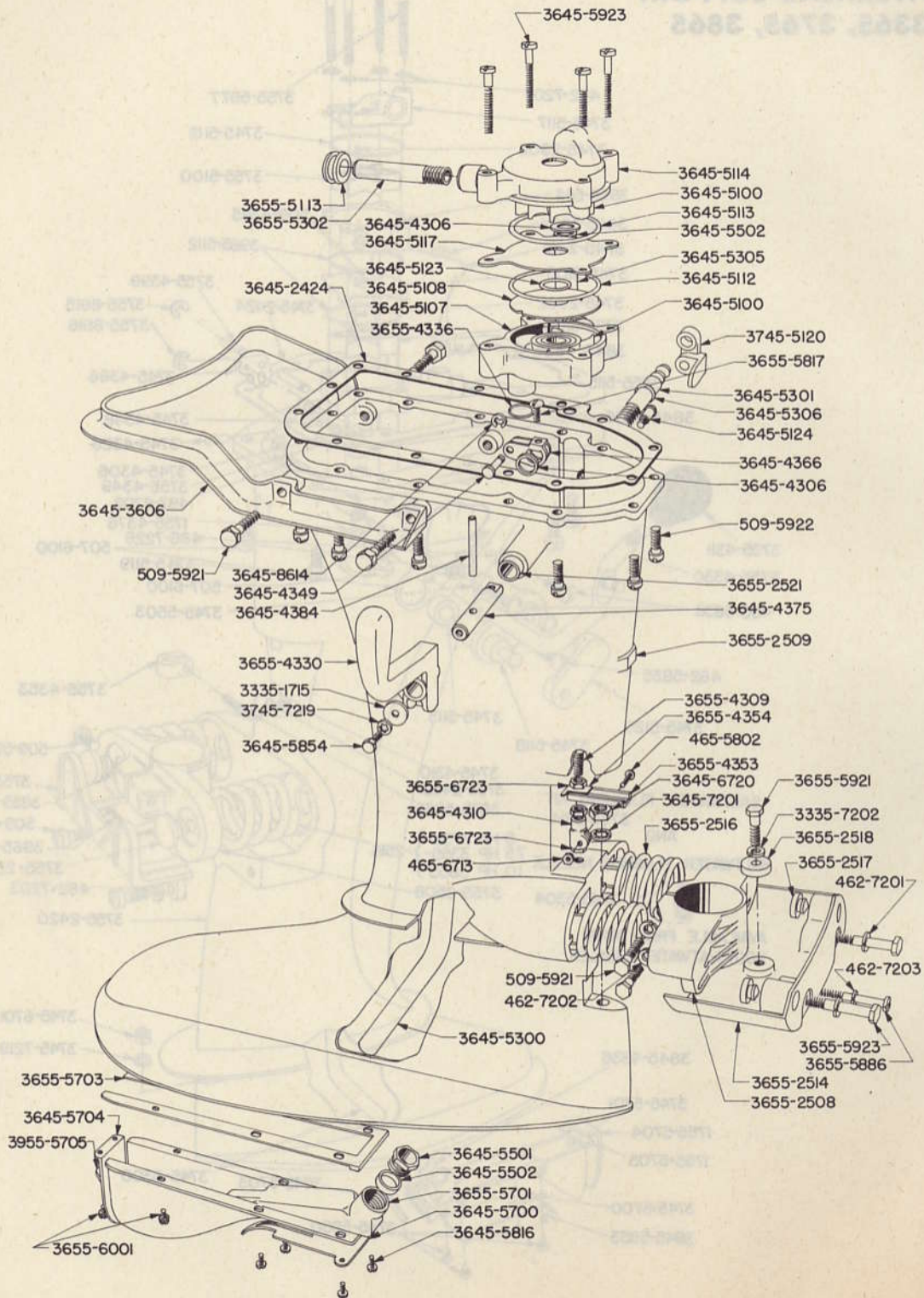
Part Number	Description
3965-2420	Lower Motor Casing
3965-2421	Exhaust Baffle
3745-2424	Gasket
3755-2459	Grommet—Shift Rod
3755-2508	Lower Spring Mount
3755-2514	Bracket
3965-2516	Spring
3755-2517	Bumper
3965-2518	Snubber
3655-2522	Ring—Ski
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3965-4310	Shift Rod
3965-4317	Screw—Detent
3745-4328	Retainer Pin—Actuator
3965-4330	Shift Lever
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3755-4349	Pin—Shift Rod Link
3755-4353	Actuator—Reverse Lock
3745-4366	Link—Shift Rod
3965-4375	Shaft
3965-4378	Shift Detent
509-4385	Seal—Pump Cover Plate
3965-4388	Spring—Detent
3755-4399	Pivot Shaft
3965-5100	Impeller
3745-5108	Cover Plate — Pump
3745-5112	Seal Ring
3965-5112	Seal — Pump
3745-5113	Seal
3965-5114	Bailer Body
3855-5115	Pump Body Assy.
3745-5117	Cover Plate — Bailer
3745-5118	Inlet and Outlet — Bailer
3745-5119	Gasket
3775-5120	Cover — Bailer Inlet
3745-5300	Water Line — Lower
3845-5305	Water Line — Upper
3745-5503	Seal
3745-5700	Filter Plate — Water Inlet
3745-5701	Cover Plate — Water Inlet
3745-5703	Seal—Water Inlet Cup
1755-5704	Valve
1755-5705	Retainer
3965-5817	Screw
462-5835	Screw
3835-5865	Screw
3965-5916	Screw
509-5945	Screw
3945-5953	Screw
3755-5977	Screw
3755-5978	Screw
3775-6000	Screw
3965-6058	Screw
507-6100	Screw
462-6703	Nut
3655-6723	Nut
462-7207	Lockwasher
3835-7212	Lockwasher
519-7236	Lockwasher
3755-8615	Ring
3755-8616	Cotter Pin
487-8702	Pin Pivot Shaft

POWERHEAD SUPPORT—3665

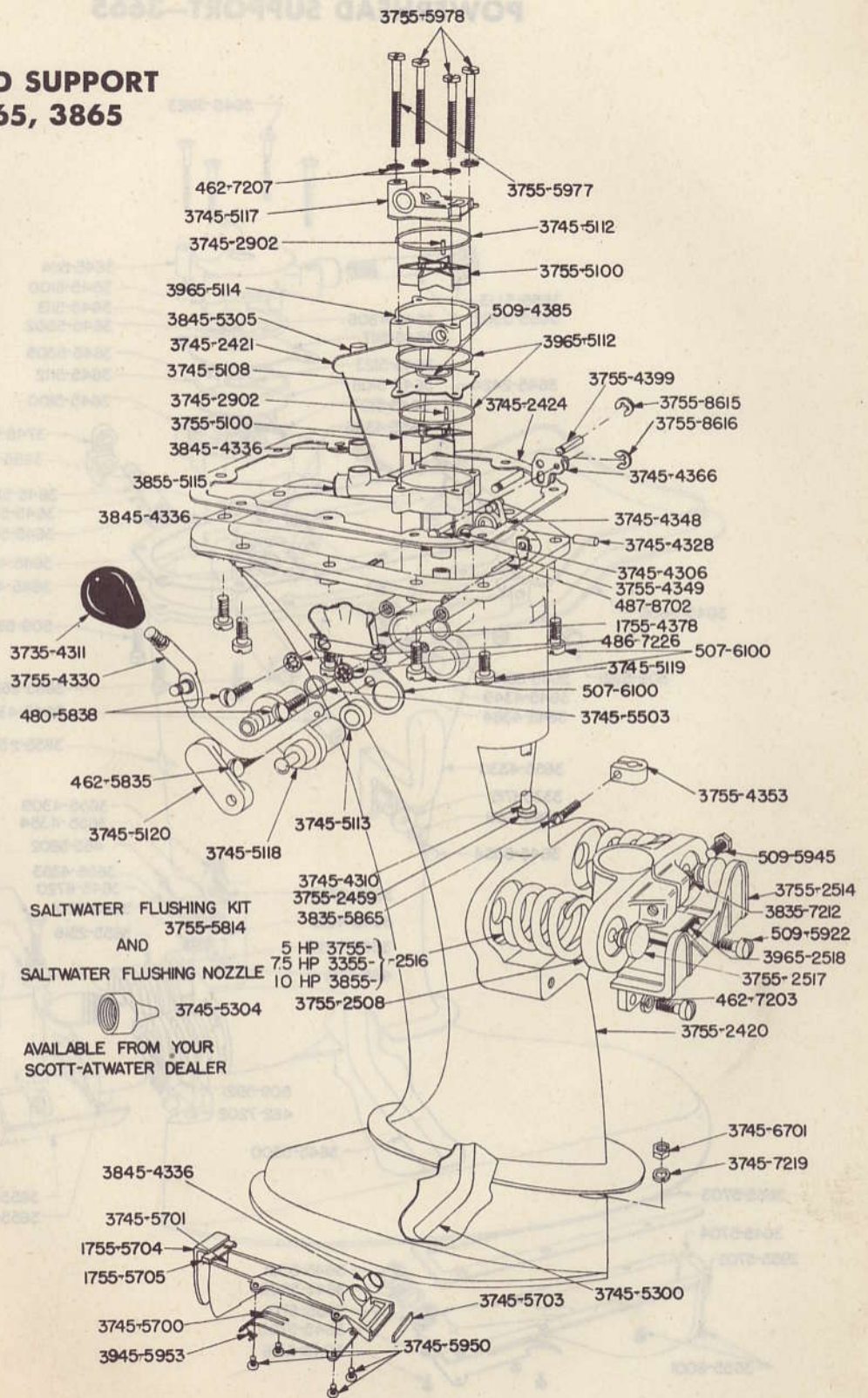
Part Number	Description
3335-1715	Washer—Shift Handle
3645-2424	Gasket
3655-2508	Vibration Spring Mount
3655-2509	Lower Motor Casing Assembly
3655-2514	Bracket—Spring Mount
3655-2516	Spring
3655-2517	Bumper
3655-2518	Snubber
*3655-2521	Bearing
3645-3606	Carry Handle—Rear
3645-4306	Washer
3655-4309	Shift Rod—Upper
3645-4310	Coupling—Shift Rod
3655-4330	Shift Handle
3655-4336	Seal
3645-4349	Pin—Shift Rod
3655-4353	Actuator—Rev. Lock
3655-4354	Guide—Rev. Lock Act.
3645-4366	Actuator—Shift Rod
3645-4375	Shaft—Shift Lever
3645-4384	Pin—Detent
3645-5100	Impeller
3645-5107	Pump Body—Water
3645-5108	Cover Plate
3645-5112	Seal
3645-5113	Seal
3655-5113	Grommet—Bailer
3645-5114	Bailer Body
3645-5117	Cover—Bailer Body
3745-5120	Cover—Bailer Inlet
3645-5123	Seal
3645-5124	Screw—Inlet Cover
3645-5300	Line—Water Inlet

Part Number	Description
3645-5301	Tube—Bailer Inlet
3655-5302	Tube—Bailer Outlet
3645-5305	Tube—Pump Outlet
3645-5306	Seal—Water and Bailer Line
3645-5501	Nut—Packing Gland
3645-5502	Packing Gland and Seal
3645-5700	Screen
3655-5701	Cup—Water Inlet
3655-5703	Gasket—Inlet Cup
3645-5704	Exhaust Valve
3955-5705	Retainer
465-5802	Screw
3645-5816	Screw
3655-5817	Screw
3645-5854	Screw
3655-5886	Screw
509-5921	Screw
3655-5921	Screw
509-5922	Screw
3645-5923	Screw
3655-5923	Screw
3655-6001	Screw
465-6713	Nut
3645-6720	Nut
3655-6723	Nut
462-7201	Lockwasher
3645-7201	Lockwasher
462-7202	Lockwasher
3335-7202	Lockwasher
462-7203	Lockwasher
3745-7219	Lockwasher
3645-8614	Retainer
*Part of 3655-2509 Assembly	

POWERHEAD SUPPORT-3665



POWERHEAD SUPPORT 3365, 3765, 3865



POWERHEAD SUPPORT—3065

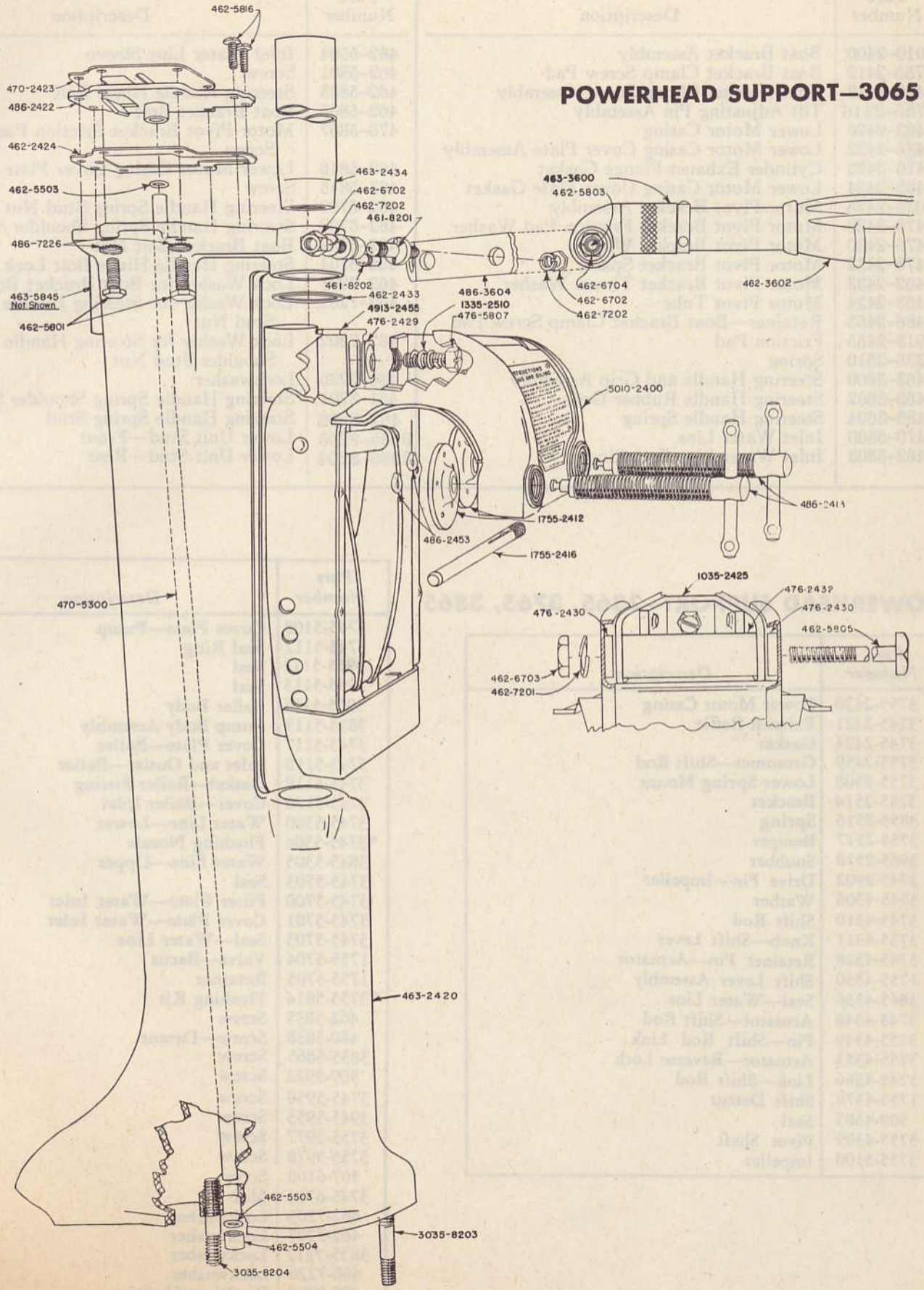
Part Number	Description	Part Number	Description
5010-2400	Boat Bracket Assembly	462-5504	Inlet Water Line Sleeve
1755-2412	Boat Bracket Clamp Screw Pad	462-5801	Screw
486-2413	Boat Bracket Clamp Screw Assembly	462-5803	Steering Handle Hinge Bolt
1755-2416	Tilt Adjusting Pin Assembly	462-5805	Boat Bracket Bolt
463-2420	Lower Motor Casing	476-5807	Motor Pivot Bracket Friction Pad Adj. Screw
486-2422	Lower Motor Casing Cover Plate Assembly	462-5816	Lower Motor Casing Cover Plate Screw
470-2423	Cylinder Exhaust Flange Gasket	463-5845	Screw
462-2424	Lower Motor Casing Cover Plate Gasket	462-6702	Steering Handle Spring Stud Nut
1035-2425	Motor Pivot Bracket Assembly	462-6702	Steering Handle Spring Shoulder Stud Nut
476-2429	Motor Pivot Bracket Friction Pad Washer	462-6703	Boat Bracket Bolt Nut
476-2430	Motor Pivot Bracket Washer	462-6704	Steering Handle Hinge Bolt Lock Nut
476-2432	Motor Pivot Bracket Spacer	462-7201	Lock Washer for Boat Bracket Bolt Nut
462-2433	Motor Pivot Bracket Thrust Washer	462-7202	Lock Washer for Steering Handle Spring Stud Nut
463-2434	Motor Pivot Tube	462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
486-2453	Retainer—Boat Bracket Clamp Screw Pad	486-7226	Lockwasher
4913-2455	Friction Pad	461-8201	Steering Handle Spring Shoulder Stud
1335-2510	Spring	461-8202	Steering Handle Spring Stud
463-3600	Steering Handle and Grip Assembly	3035-8203	Lower Unit Stud—Front
486-3602	Steering Handle Rubber Grip	3035-8204	Lower Unit Stud—Rear
486-3604	Steering Handle Spring		
470-5300	Inlet Water Line		
462-5503	Inlet Water Line Seal Ring		

POWERHEAD SUPPORT—3365, 3765, 3865

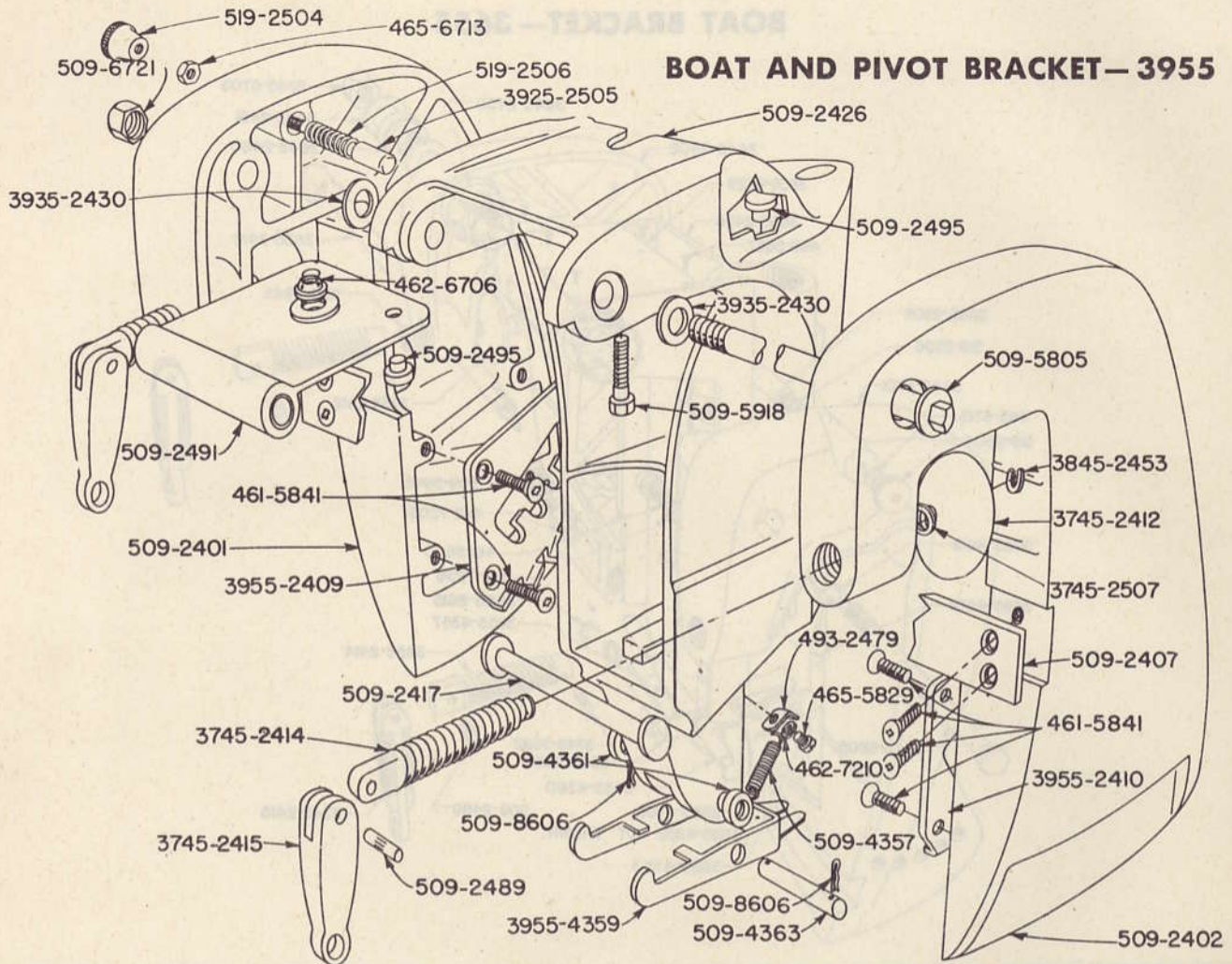
Part Number	Description
3755-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3755-2459	Grommet—Shift Rod
3755-2508	Lower Spring Mount
3755-2514	Bracket
3855-2516	Spring
3755-2517	Bumper
3965-2518	Snubber
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
1755-4330	Shift Lever Assembly
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3755-4349	Pin—Shift Rod Link
3755-4353	Actuator—Reverse Lock
3745-4366	Link—Shift Rod
1755-4378	Shift Detent
509-4385	Seal
3755-4399	Pivot Shaft
3755-5100	Impeller

Part Number	Description
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3965-5112	Seal
3745-5113	Seal
3965-5114	Bailer Body
3855-5115	Pump Body Assembly
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer
3745-5119	Gasket—Bailer Fitting
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
*3745-5304	Flushing Nozzle
3845-5305	Water Line—Upper
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
1755-5704	Valve—Bacus
1755-5705	Retainer
*3755-5814	Flushing Kit
462-5835	Screw
480-5838	Screw—Detent
3835-5865	Screw
509-5922	Screw
3745-5950	Screw
3945-5953	Screw
3755-5977	Screw
3755-5978	Screw
507-6100	Screw
3745-6701	Nut
462-7203	Lockwasher
462-7207	Lockwasher
3835-7212	Lockwasher
486-7226	Lockwasher
487-8702	Pin Pivot Shaft
3755-8615	"E" Ring
3755-8616	"E" Ring
	*Not included with motor

POWERHEAD SUPPORT-3065



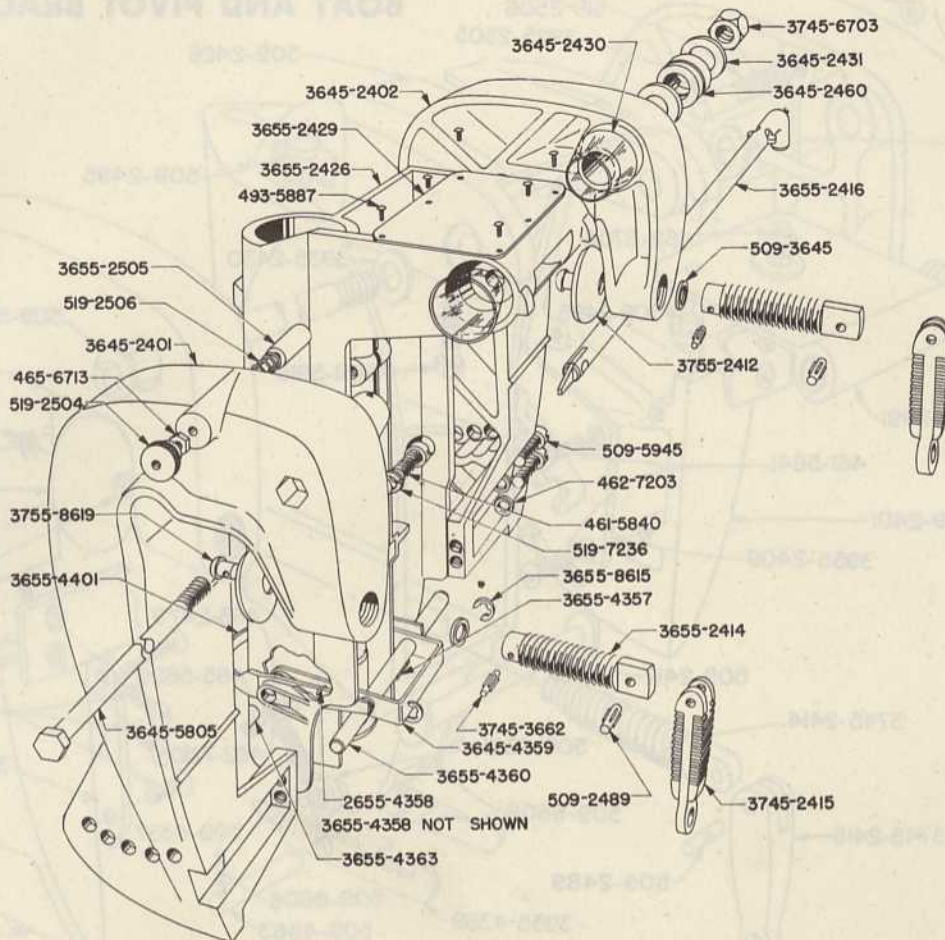
BOAT AND PIVOT BRACKET— 3955



Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
3955-2409	Boat Bracket Plate—Right
3955-2410	Boat Bracket Plate—Left
3745-2412	Boat Bracket Clamp Screw Pad
3745-2414	Boat Bracket Clamp Screw
3745-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
3935-2430	Washer—Boat Bracket
3845-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad

Part Number	Description
519-2504	Knob—Tilt Lock
3925-2505	Plunger—Tilt Lock
519-2506	Spring—Tilt Lock
3745-2507	Washer
509-4357	Spring—Reverse Hook
3955-4359	Reverse Lock Hook
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-3918	Steering Friction Screw
462-6706	Special Lock Nut
465-6713	Nut—Knob Lock
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
509-8606	Cotter Pin—Pivot Pin

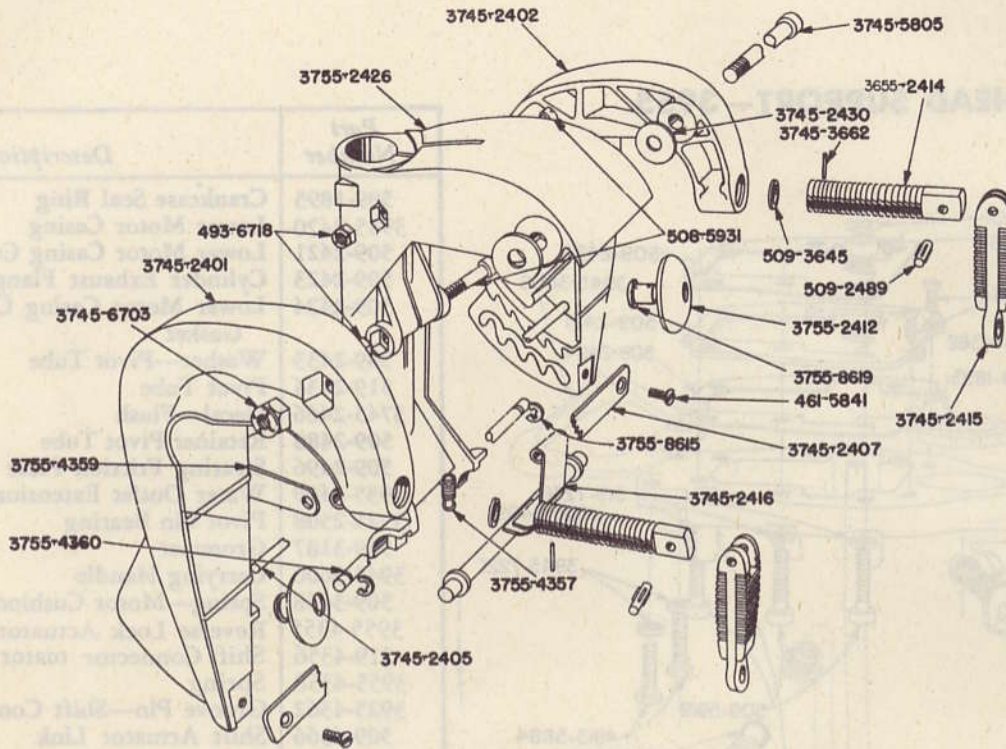
BOAT BRACKET— 3655



Part Number	Description
3645-2401	Bracket—R.
3645-2402	Bracket—L.
3755-2412	Pad—Clamp Screw
3655-2414	Clamp Screw
3745-2415	Clamp Screw—Handle
3655-2416	Tilt Pin Assy.
3655-2426	Pivot Bracket
3655-2429	Cover Plate
3645-2430	Cone—Tilt Friction
3645-2431	Washer—Brkt. Bolt
3645-2460	Spring—Tilt Pressure
509-2489	Groove Pin
519-2504	Knob—Tilt Stop
3655-2505	Plunger
519-2506	Spring
509-3645	Washer—Clamp Sc. Pad
3745-3662	Pin—Retaining

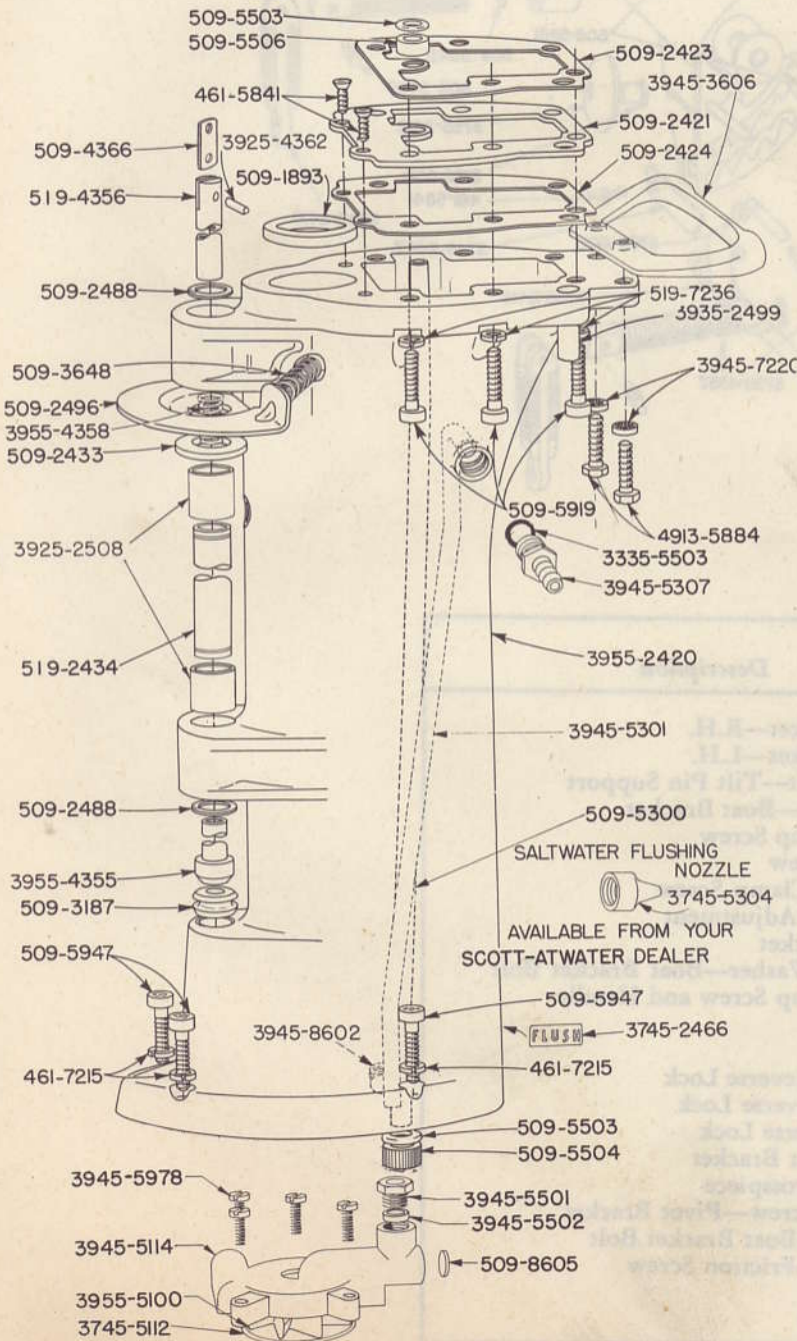
Part Number	Description
3655-4357	Spring—Lock Return
2655-4358	Spring—Actuator R.
3655-4358	Spring—Actuator L.
3645-4359	Bracket—Rev. Lock
3655-4360	Pin—Rev. Lock
3655-4363	Pin—Rev. Lock Pivot
3655-4401	Lever—Rev. Lock
3645-5805	Bolt
461-5840	Screw—Friction
493-5887	Drive Screw
509-5945	Drive Screw
3745-6703	Nut
465-6713	Nut—Tilt Stop
462-7203	Lockwasher
519-7236	Lockwasher
3655-8615	Retaining Ring
3755-8619	Clevis Pin

BOAT BRACKET— 3355, 3755, 3855



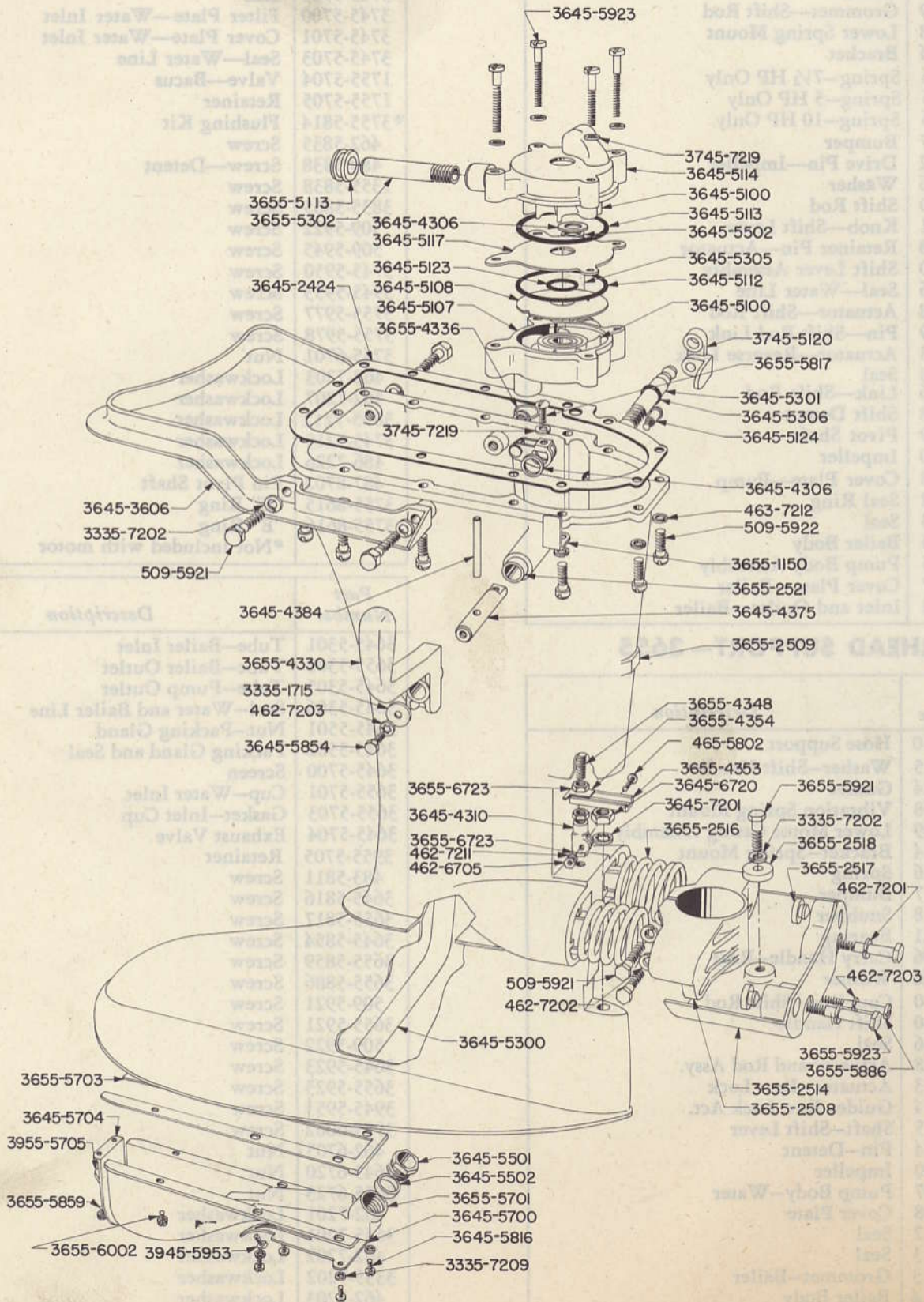
Part Number	Description
3745-2401	Boat Bracket—R.H.
3745-2402	Boat Bracket—L.H.
3745-2405	Pivot Shaft—Tilt Pin Support
3745-2407	Crosspiece—Boat Bracket
3755-2412	Pad—Clamp Screw
3655-2414	Clamp Screw
3745-2415	Handle—Clamp Screw
3745-2416	Pin—Tilt Adjustment
3755-2426	Pivot Bracket
3745-2430	Friction Washer—Boat Bracket Bolt
509-2489	Pin—Clamp Screw and Handle
509-3645	Washer
3745-3662	Pin
3755-4357	Spring—Reverse Lock
3755-4359	Yoke—Reverse Lock
3755-4360	Pin—Reverse Lock
3745-5805	Bolt—Boat Bracket
461-5841	Screw—Crosspiece
508-5931	Friction Screw—Pivot Bracket
3745-6703	Locknut—Boat Bracket Bolt
493-6718	Locknut—Friction Screw
3755-8615	"E" Ring
3755-8619	Clevis Pin

POWERHEAD SUPPORT—3955



Part Number	Description
509-1893	Crankcase Seal Ring
3955-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
519-2434	Pivot Tube
3745-2466	Decal—Flush
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
3935-2499	Water Outlet Extension
3925-2508	Pivot Pin Bearing
509-3187	Grommet
3945-3606	Carrying Handle
509-3648	Spring—Motor Cushioning
3955-4355	Reverse Lock Actuator Assembly
519-4356	Shift Connector tuator Assembly
3955-4358	Spring
3925-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
3955-5100	Impeller—Bailer
3745-5112	Seal
3945-5114	Cavity—Bailer
509-5300	Water Line
3945-5301	Inlet Line—Bailer
*3745-5304	Flushing Nozzle
3945-5307	Fitting—Bailer
3945-5501	Nut—Packing
3945-5502	Seal
509-5503	"O" Ring—Water Line
3335-5503	Seal
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Carrying Handle
509-5919	Screw—Powerhead to Lower Motor Casing
509-5947	Screw—Lower Motor Casing to Lower Unit
3945-5978	Screw
461-7215	Lockwasher
3945-7220	Lockwasher
519-7236	Lockwasher—Powerhead to Lower Motor Casing
3945-8602	Flushing Plug
509-8605	Welch Plug
	*Not Included with Motor

POWERHEAD SUPPORT-3655



POWERHEAD SUPPORT— 3355, 3755, 3855

Part Number	Description
3755-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3755-2459	Grommet—Shift Rod
3755-2508	Lower Spring Mount
3755-2514	Bracket
3355-2516	Spring—7½ HP Only
3755-2516	Spring—5 HP Only
3855-2516	Spring—10 HP Only
3755-2517	Bumper
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
1755-4330	Shift Lever Assembly
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3755-4349	Pin—Shift Rod Link
3755-4353	Actuator—Reverse Lock
509-4358	Seal
3745-4366	Link—Shift Rod
1755-4378	Shift Detent
3755-4399	Pivot Shaft
3755-5100	Impeller
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3745-5113	Seal
3745-5114	Bailer Body
3855-5115	Pump Body Assembly
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer

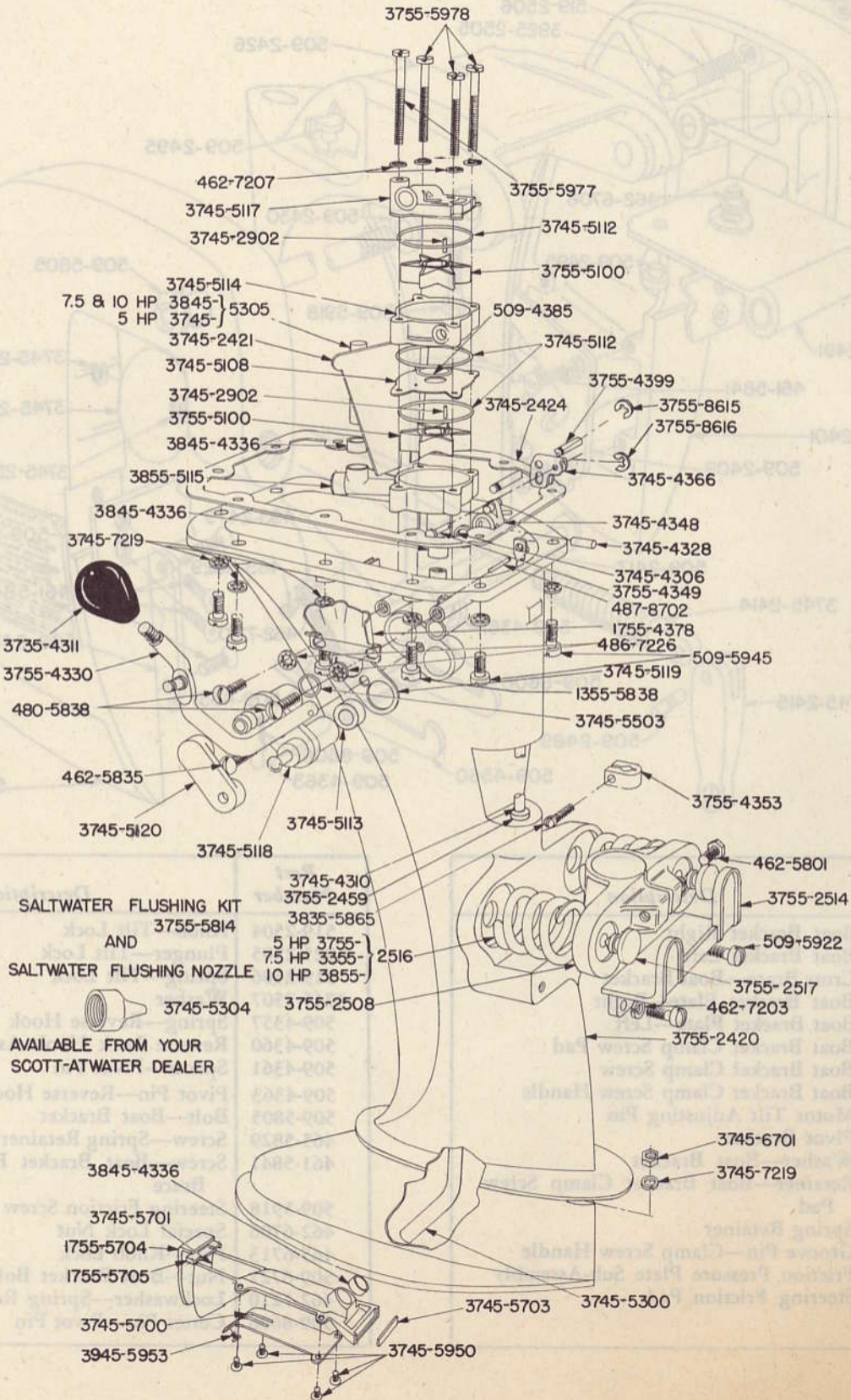
POWERHEAD SUPPORT— 3655

Part Number	Description
3655-1150	Hose Support
3335-1715	Washer—Shift Handle
3645-2424	Gasket
3655-2508	Vibration Spring Mount
3655-2509	Lower Motor Casing Assembly
3655-2514	Bracket—Spring Mount
3655-2516	Spring
3655-2517	Bumper
3655-2518	Snubber
*3655-2521	Bearing
3645-3606	Carry Handle—Rear
3645-4306	Washer
3645-4310	Coupling—Shift Rod
3655-4330	Shift Handle
3655-4336	Seal
3655-4348	Actuator and Rod Assy.
3655-4353	Actuator—Rev. Lock
3655-4354	Guide—Rev. Lock Act.
3645-4375	Shaft—Shift Lever
3645-4384	Pin—Detent
3645-5100	Impeller
3645-5107	Pump Body—Water
3645-5108	Cover Plate
3645-5112	Seal
3645-5113	Seal
3655-5113	Grommet—Bailer
3645-5114	Bailer Body
3645-5117	Cover—Bailer Body
3745-5120	Cover—Bailer Inlet
3645-5123	Seal
3645-5124	Screw—Inlet Cover
3645-5300	Line—Water Inlet

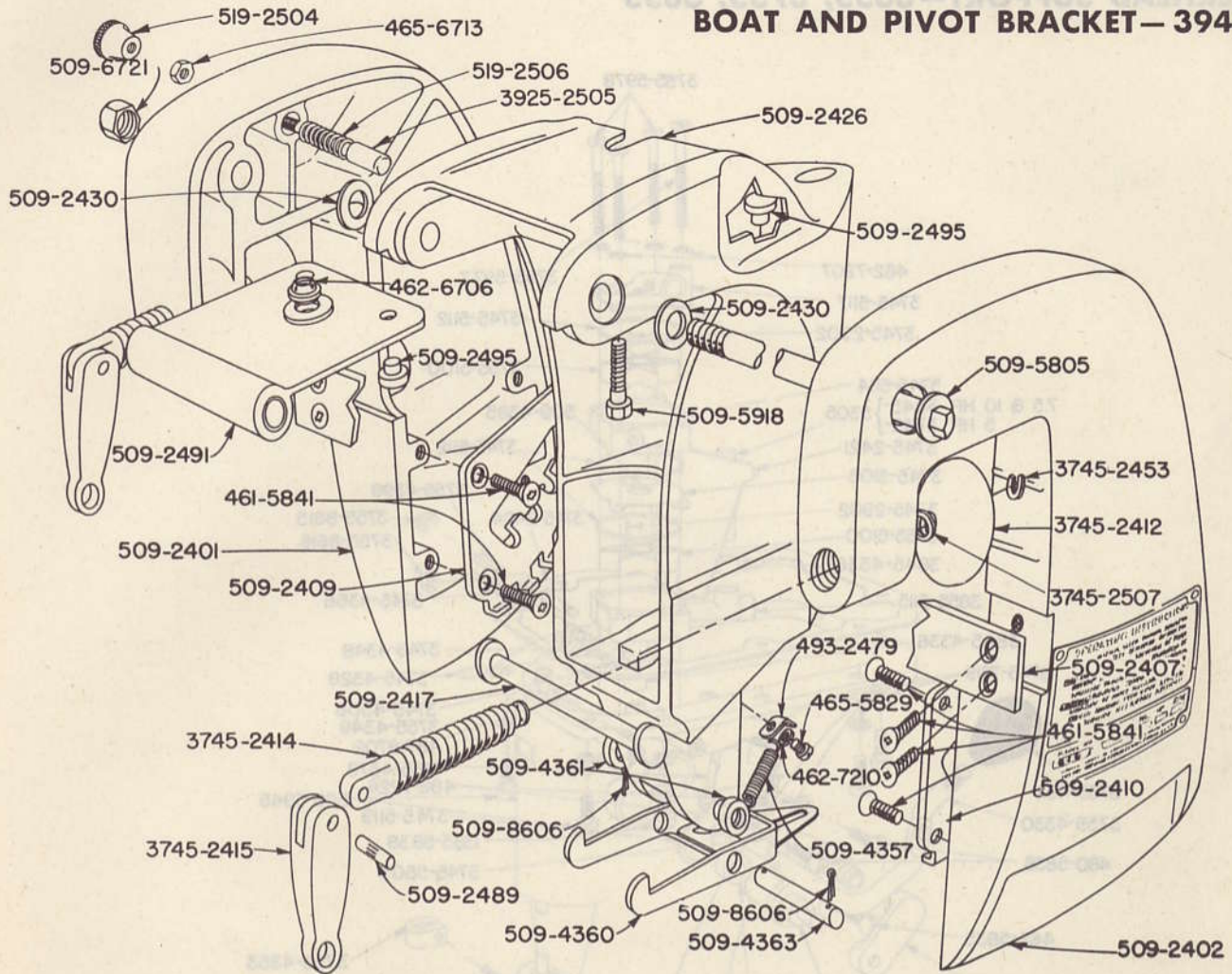
Part Number	Description
3745-5119	Gasket—Bailer Fitting
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
*3745-5304	Flushing Nozzle
3745-5305	Water Line—5 HP Only
3845-5305	Water Line—Upper—7½ & 10 HP Only
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
1755-5704	Valve—Bacus
1755-5705	Retainer
*3755-5814	Flushing Kit
462-5835	Screw
480-5838	Screw—Detent
1355-5838	Screw
3835-5865	Screw
509-5922	Screw
509-5945	Screw
3745-5950	Screw
3945-5953	Screw
3755-5977	Screw
3755-5978	Screw
3745-6701	Nut
462-7203	Lockwasher
462-7207	Lockwasher
3835-7212	Lockwasher
3745-7219	Lockwasher
486-7226	Lockwasher
487-8702	Pin Pivot Shaft
3755-8615	"E" Ring
3755-8616	"E" Ring
*Not included with motor	

Part Number	Description
3645-5301	Tube—Bailer Inlet
3655-5302	Tube—Bailer Outlet
3645-5305	Tube—Pump Outlet
3645-5306	Seal—Water and Bailer Line
3645-5501	Nut—Packing Gland
3645-5502	Packing Gland and Seal
3645-5700	Screen
3655-5701	Cup—Water Inlet
3655-5703	Gasket—Inlet Cup
3645-5704	Exhaust Valve
3955-5705	Retainer
483-5811	Screw
3645-5816	Screw
3655-5817	Screw
3645-5854	Screw
3655-5859	Screw
3655-5886	Screw
509-5921	Screw
3655-5921	Screw
509-5922	Screw
3645-5923	Screw
3655-5923	Screw
3945-5953	Screw
3955-6002	Screw
462-6705	Nut
3645-6720	Nut
3655-6723	Nut
462-7201	Lockwasher
3645-7201	Lockwasher
462-7202	Lockwasher
3335-7202	Lockwasher
462-7203	Lockwasher
3335-7209	Lockwasher
462-7211	Washer
463-7212	Lockwasher
3745-7219	Lockwasher
*Part of 3655-2509 Assembly	

POWERHEAD SUPPORT—3355, 3755, 3855



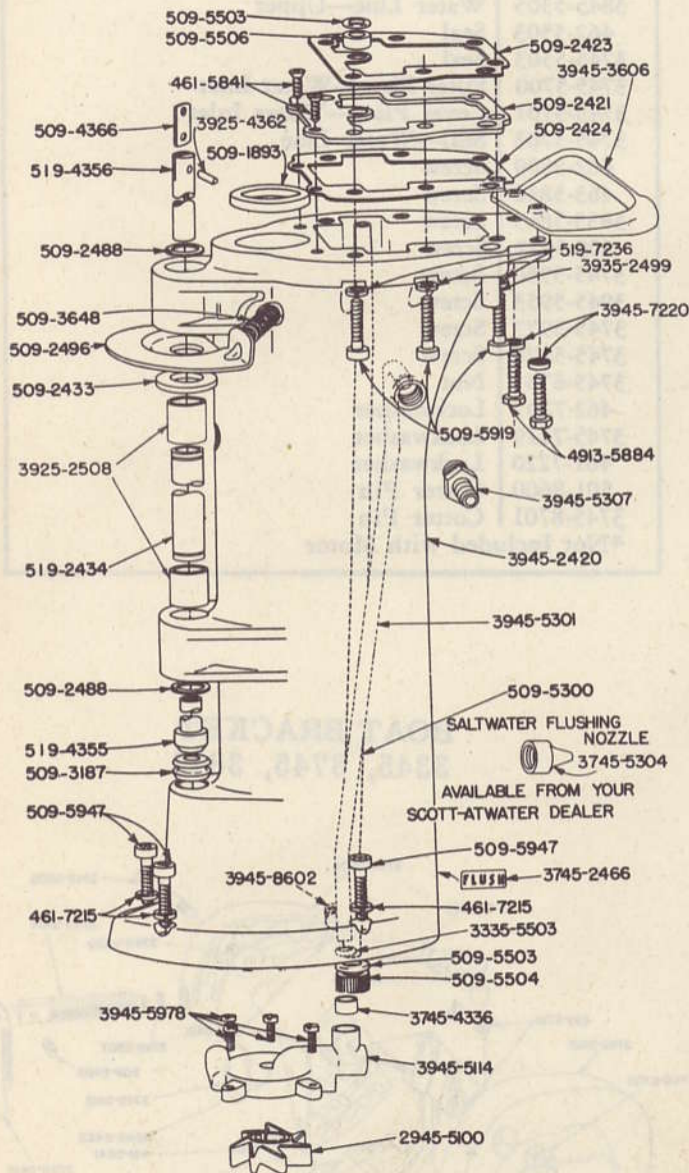
BOAT AND PIVOT BRACKET—3945



Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
509-2409	Boat Bracket Plate—Right
509-2410	Boat Bracket Plate—Left
3745-2412	Boat Bracket Clamp Screw Pad
3745-2414	Boat Bracket Clamp Screw
3745-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
509-2430	Washer—Boat Bracket
3745-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad

Part Number	Description
519-2504	Knob—Tilt Lock
3925-2505	Plunger—Tilt Lock
519-2506	Spring—Tilt Lock
3745-2507	Washer
509-4357	Spring—Reverse Hook
509-4360	Reverse Lock Hook Assembly
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-5918	Steering Friction Screw
462-6706	Special Lock Nut
465-6713	Nut—Knob Lock
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
509-8606	Cotter Pin—Pivot Pin

LOWER MOTOR CASING - 3945



Part Number	Description
509-1893	Crankcase Seal Ring
3945-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
519-2434	Pivot Tube
3745-2466	Decal—Flush
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
3935-2499	Water Outlet Extension
3925-2508	Pivot Pin Bearing
509-3187	Grommet
3945-3606	Carrying Handle
509-3648	Spring—Motor Cushioning
3745-4336	Seal—Bailer Inlet Line
519-4355	Reverse Lock Actuator Assembly
519-4356	Shift Connector
3925-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
2945-5100	Impeller—Bailer
3945-5114	Cavity—Bailer
509-5300	Water Line
3945-5301	Inlet Line—Bailer
*3745-5304	Flushing Nozzle
3945-5307	Fitting—Bailer
509-5503	"O" Ring—Water Line
3335-5503	Seal
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Carrying Handle
509-5919	Screw—Powerhead to Lower Motor Casing
509-5947	Screw—Lower Motor Casing to Lower Unit
3945-5978	Screw
461-7215	Lockwasher
3945-7220	Lockwasher
519-7236	Lockwasher—Powerhead to Lower Motor Casing
3945-8602	Flushing Plug
	*Not Included with Motor

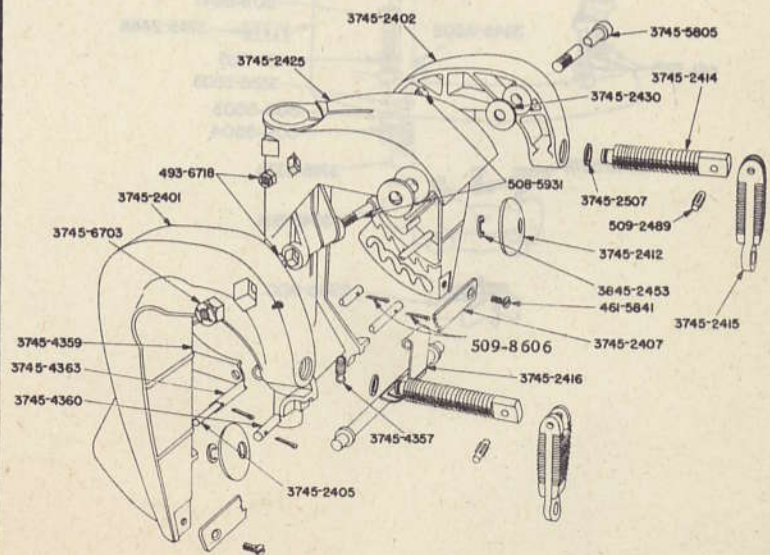
POWERHEAD SUPPORT - 3845

Part Number	Description
3745-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3745-2466	Decal —“Flush”
3745-2508	Lower Pivot
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
3745-4330	Shift Lever
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3745-4349	Pin—Shift Rod Link
3745-4353	Actuator—Reverse Lock
3745-4354	Pin—Reverse Lock Actuator
3745-4358	Spring—Reverse Lock Actuator
3745-4366	Link—Shift Rod
3745-4374	Pin—Pivot Shaft
3745-4378	Shift Detent
3745-4399	Pivot Shaft
3745-5100	Impeller
3845-5107	Pump Body
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3745-5113	Seal
3745-5114	Bailer Body

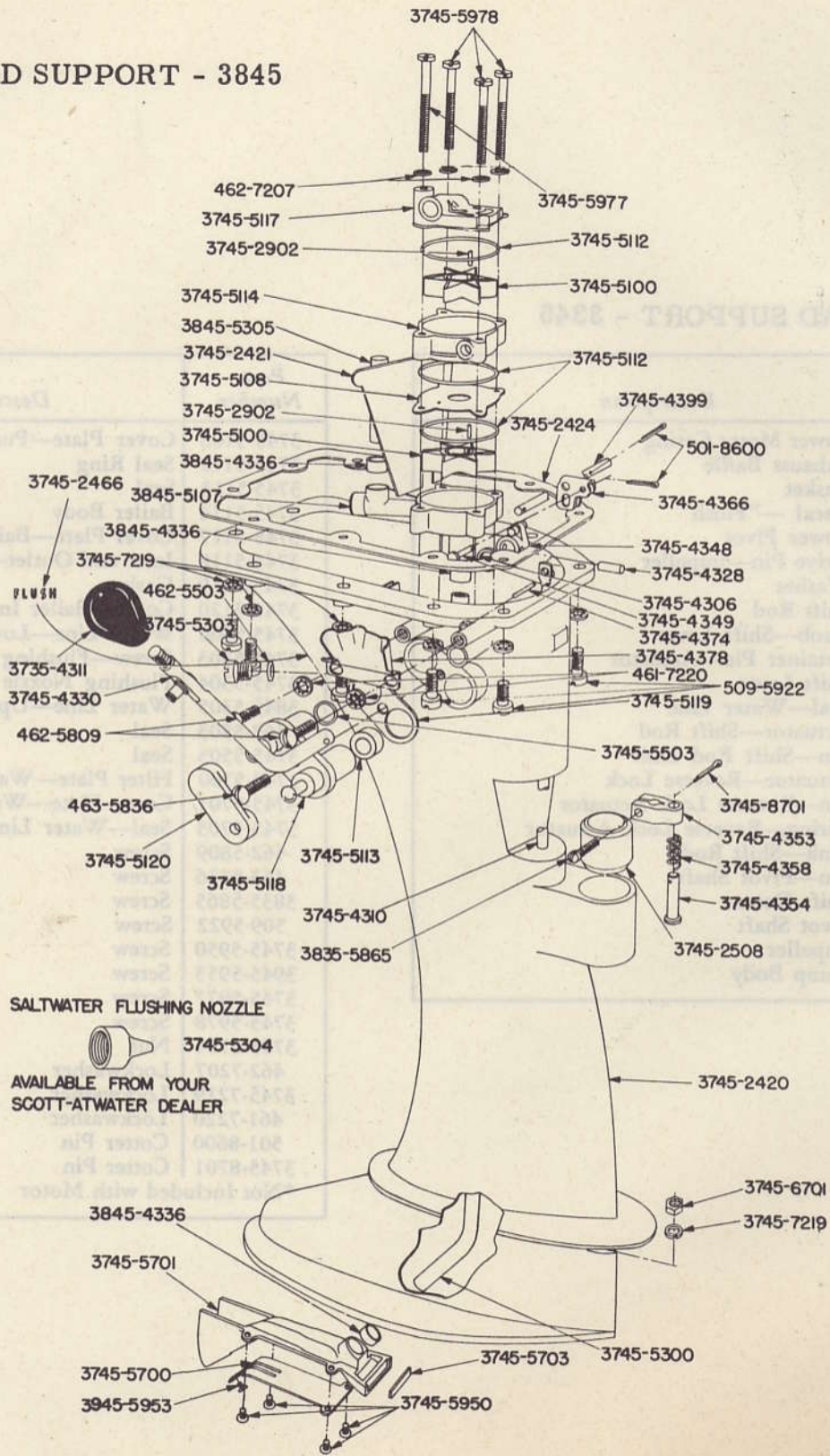
Part Number	Description
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer
3745-5119	Gasket
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
3745-5303	Screw—Flushing Inlet
*3745-5304	Flushing Nozzle
3845-5305	Water Line—Upper
462-5503	Seal
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
462-5809	Screw
463-5836	Screw
3835-5865	Screw
509-5922	Screw
3745-5950	Screw
3945-5953	Screw
3745-5977	Screw
3745-5978	Screw
3745-6701	Nut
462-7207	Lockwasher
3745-7219	Lockwasher
461-7220	Lockwasher
501-8600	Cotter Pin
3745-8701	Cotter Pin
*Not Included with Motor	

Part Number	Description
3745-2401	Boat Bracket—R.H.
3745-2402	Boat Bracket—L.H.
3745-2405	Pivot Shaft—Tilt Pin Support
3745-2407	Crosspiece—Boat Bracket
3745-2412	Pad—Clamp Screw
3745-2414	Clamp Screw
3745-2415	Handle—Clamp Screw
3745-2416	Pin—Tilt Adjustment
3745-2425	Pivot Bracket
3745-2430	Friction Washer—Boat Bracket Bolt
3845-2453	Retainer—Clamp Pad
509-2489	Pin—Clamp Screw and Handle
3745-2507	Washer—Clamp Screw Handle
3745-4357	Spring—Reverse Lock
3745-4359	Yoke—Reverse Lock
3745-4360	Pin—Reverse Lock
3745-4363	Pivot Shaft—Reverse Lock
3745-5805	Bolt—Boat Bracket
461-5841	Screw—Crosspiece
508-5931	Friction Screw—Pivot Bracket
3745-6703	Locknut—Boat Bracket Bolt
493-6718	Locknut—Friction Screw
509-8606	Cotter Pin

BOAT BRACKET 3345, 3745, 3845



POWERHEAD SUPPORT - 3845

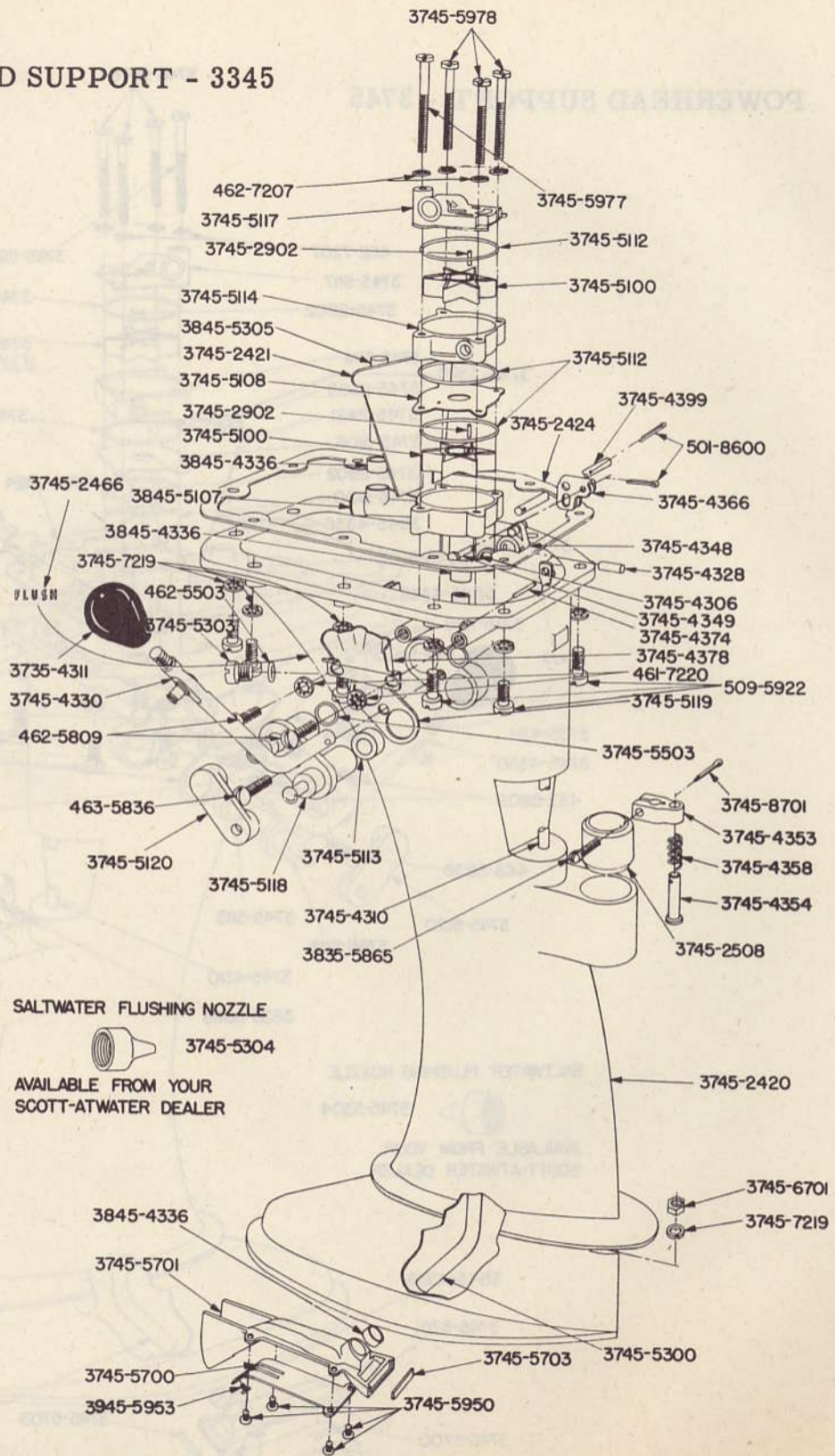


POWERHEAD SUPPORT - 3345

Part Number	Description
3745-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3745-2466	Decal —"Flush"
3745-2508	Lower Pivot
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
3745-4330	Shift Lever
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3745-4349	Pin—Shift Rod Link
3745-4353	Actuator—Reverse Lock
3745-4354	Pin—Reverse Lock Actuator
3745-4358	Spring—Reverse Lock Actuator
3745-4366	Link—Shift Rod
3745-4374	Pin—Pivot Shaft
3745-4378	Shift Detent
3745-4399	Pivot Shaft
3745-5100	Impeller
3845-5107	Pump Body

Part Number	Description
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3745-5113	Seal
3745-5114	Bailer Body
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer
3745-5119	Gasket
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
3745-5303	Screw—Flushing Inlet
*3745-5304	Flushing Nozzle
3845-5305	Water Line—Upper
462-5503	Seal
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
462-5809	Screw
463-5836	Screw
3835-5865	Screw
509-5922	Screw
3745-5950	Screw
3945-5953	Screw
3745-5977	Screw
3745-5978	Screw
3745-6701	Nut
462-7207	Lockwasher
3745-7219	Lockwasher
461-7220	Lockwasher
501-8600	Cotter Pin
3745-8701	Cotter Pin
*Not Included with Motor	

POWERHEAD SUPPORT - 3345



POWERHEAD SUPPORT - 3045

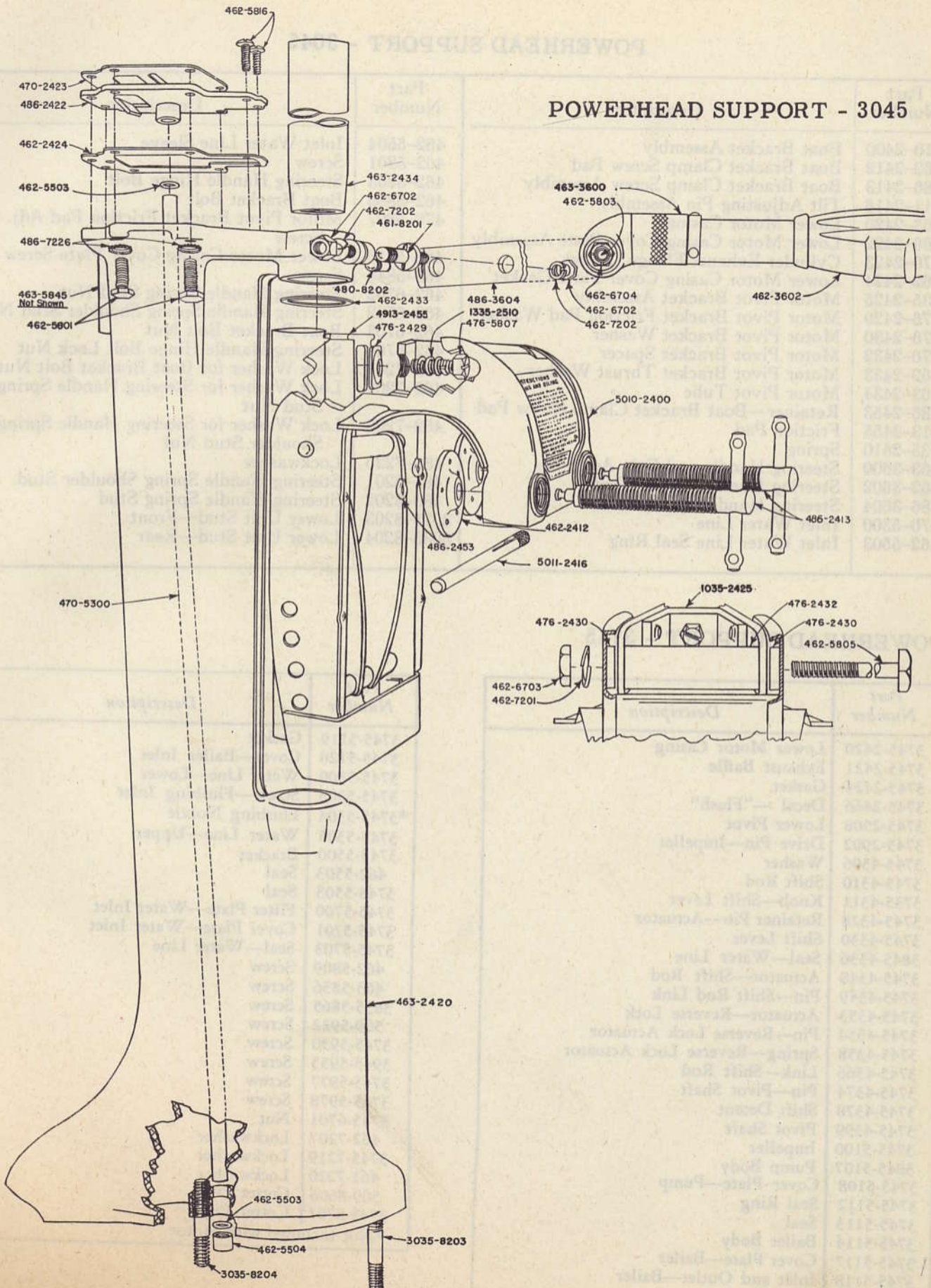
Part Number	Description	Part Number	Description
5010-2400	Boat Bracket Assembly	462-5504	Inlet Water Line Sleeve
462-2412	Boat Bracket Clamp Screw Pad	462-5801	Screw
486-2413	Boat Bracket Clamp Screw Assembly	462-5803	Steering Handle Hinge Bolt
5011-2416	Tilt Adjusting Pin Assembly	462-5805	Boat Bracket Bolt
463-2420	Lower Motor Casing	476-5807	Motor Pivot Bracket Friction Pad Adj. Screw
486-2422	Lower Motor Casing Cover Plate Assembly	462-5816	Lower Motor Casing Cover Plate Screw
470-2423	Cylinder Exhaust Flange Gasket	463-5845	Screw
462-2424	Lower Motor Casing Cover Plate Gasket	462-6702	Steering Handle Spring Stud Nut
1035-2425	Motor Pivot Bracket Assembly	462-6702	Steering Handle Spring Shoulder Stud Nut
476-2429	Motor Pivot Bracket Friction Pad Washer	462-6703	Boat Bracket Bolt Nut
476-2430	Motor Pivot Bracket Washer	462-6704	Steering Handle Hinge Bolt Lock Nut
476-2432	Motor Pivot Bracket Spacer	462-7201	Lock Washer for Boat Bracket Bolt Nut
462-2433	Motor Pivot Bracket Thrust Washer	462-7202	Lock Washer for Steering Handle Spring Stud Nut
463-2434	Motor Pivot Tube	462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
486-2453	Retainer—Boat Bracket Clamp Screw Pad	486-7226	Lockwasher
4913-2455	Friction Pad	461-8201	Steering Handle Spring Shoulder Stud
1335-2510	Spring	480-8202	Steering Handle Spring Stud
463-3600	Steering Handle and Grip Assembly	3035-8203	Lower Unit Stud—Front
462-3602	Steering Handle Rubber Grip	3035-8204	Lower Unit Stud—Rear
486-3604	Steering Handle Spring		
470-5300	Inlet Water Line		
462-5503	Inlet Water Line Seal Ring		

POWERHEAD SUPPORT - 3745

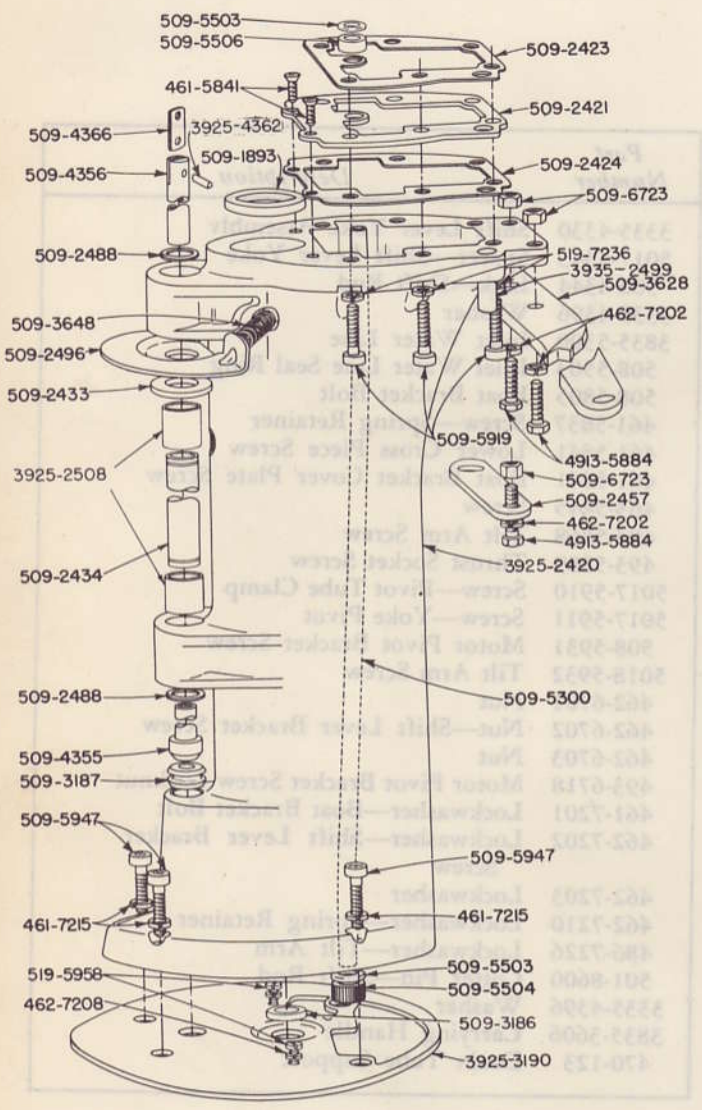
Part Number	Description
3745-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3745-2466	Decal —“Flush”
3745-2508	Lower Pivot
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
3745-4330	Shift Lever
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3745-4349	Pin—Shift Rod Link
3745-4353	Actuator—Reverse Lock
3745-4354	Pin—Reverse Lock Actuator
3745-4358	Spring—Reverse Lock Actuator
3745-4366	Link—Shift Rod
3745-4374	Pin—Pivot Shaft
3745-4378	Shift Detent
3745-4399	Pivot Shaft
3745-5100	Impeller
3845-5107	Pump Body
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3745-5113	Seal
3745-5114	Bailer Body
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer

Part Number	Description
3745-5119	Gasket
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
3745-5303	Screw—Flushing Inlet
*3745-5304	Flushing Nozzle
3745-5305	Water Line—Upper
3745-5500	Bracket
462-5503	Seal
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
462-5809	Screw
463-5836	Screw
3835-5865	Screw
509-5922	Screw
3745-5950	Screw
3945-5953	Screw
3745-5977	Screw
3745-5978	Screw
3745-6701	Nut
462-7207	Lockwasher
3745-7219	Lockwasher
461-7220	Lockwasher
509-8606	Cotter Pin
3745-8701	Cotter Pin
*Not Included with Motor	

POWERHEAD SUPPORT - 3045



POWERHEAD SUPPORT 3935 (Boat Bracket - Page P38)



Part Number	Description
509-1893	Crankcase Seal Ring
3925-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
509-2434	Pivot Tube
509-2457	Safety Chain Lug
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
3935-2499	Water Outlet Extension
3925-2508	Pivot Pin Bearing
509-3186	Seal Splash Plate
509-3187	Grommet
3925-3190	Splash Plate
*509-3628	Tiller Bar (Includes two ea. 4913-5884, 509-6723, 462-7202)
509-3648	Spring—Motor Cushioning
509-4355	Reverse Lock Actuator Assembly
509-4356	Shift Connector
3925-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
509-5300	Water Line
509-5503	"O" Ring—Water Line
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Safety Chain Lug
509-5919	Screw—Powerhead to Lower Motor Casing
509-5947	Screw—Lower Motor Casing to Lower Unit
519-5958	Screw—Splash Plate
509-6723	Nut—Safety Chain Lug
462-7202	Lockwasher—Safety Chain Lug
462-7208	Lockwasher—Splash Plate
461-7215	Lockwasher
519-7236	Lockwasher—Powerhead to Lower Motor Casing
<i>*Not Included with Motor</i>	

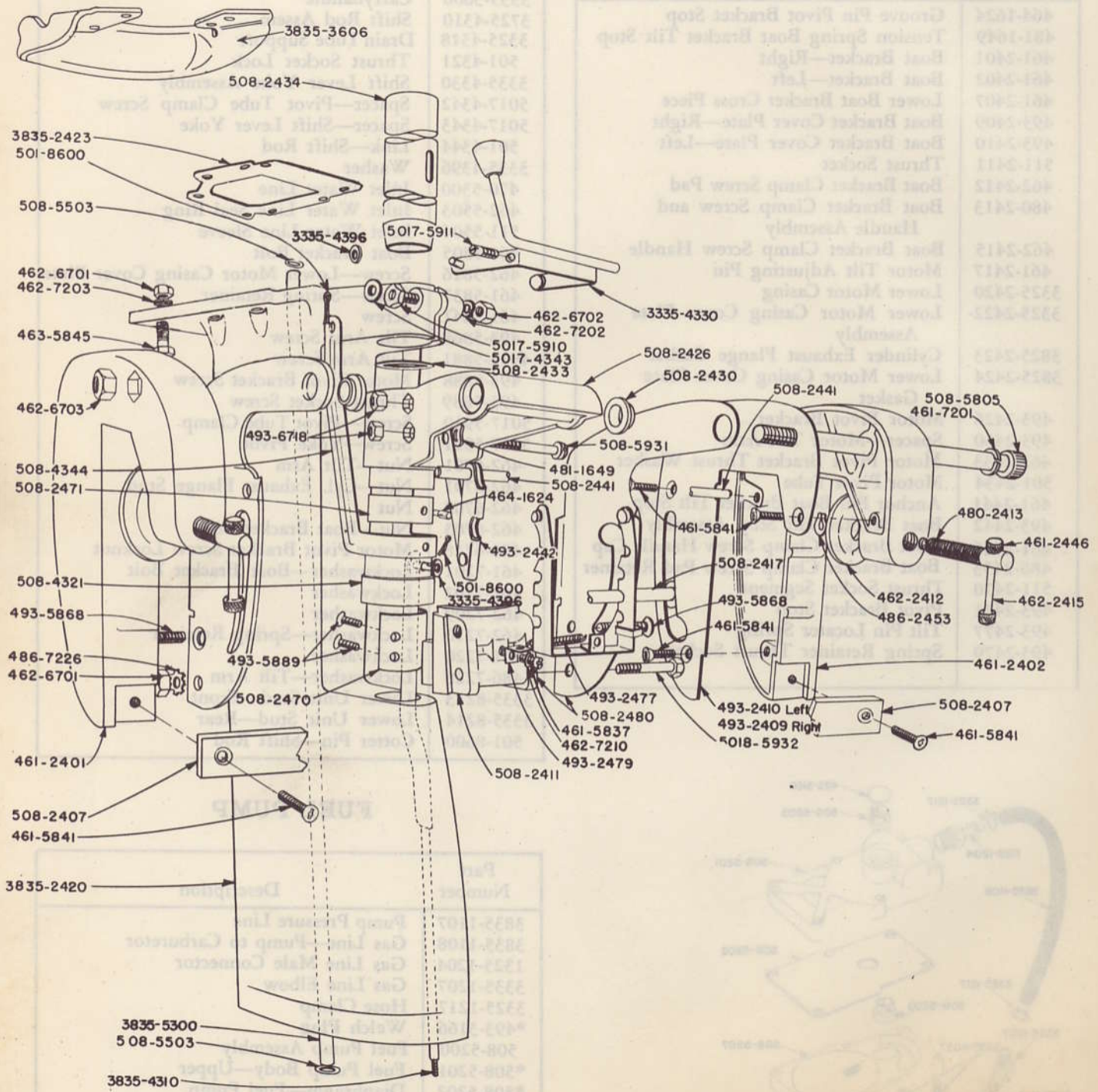
POWERHEAD SUPPORT 3835

POWERHEAD SUPPORT 3835 (Boat Bracket - Page P38)

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
508-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
508-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
508-2417	Motor Tilt Adjusting Pin
3835-2420	Lower Motor Casing
3835-2423	Cylinder Exhaust Flange Gasket
508-2426	Motor Pivot Bracket
508-2430	Spacer—Motor Tilt Arm
508-2433	Motor Pivot Bracket Thrust Washer
508-2434	Motor Pivot Tube
508-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
508-2470	Thrust Socket Segment
508-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
508-2480	Tilt Arm Assembly
3835-4310	Shift Rod Assembly
508-4321	Thrust Socket Lock

Part Number	Description
3335-4330	Shift Lever Yoke Assembly
5017-4343	Spacer—Shift Lever Yoke
508-4344	Link—Shift Rod
3335-4396	Washer
3835-5300	Inlet Water Line
508-5503	Inlet Water Line Seal Ring
508-5805	Boat Bracket Bolt
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Screw
493-5868	Tilt Arm Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
508-5931	Motor Pivot Bracket Screw
5018-5932	Tilt Arm Screw
462-6701	Nut
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
501-8600	Cotter Pin—Shift Rod
3335-4396	Washer
3835-3606	Carrying Handle
470-123	Drain Tube Support

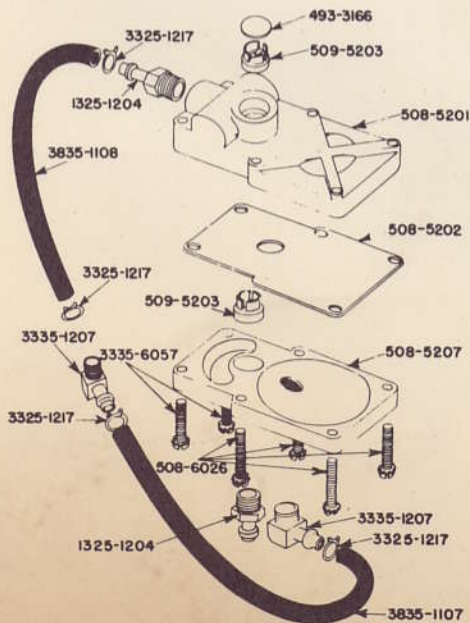
POWERHEAD SUPPORT 3835



POWERHEAD SUPPORT 3335

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
3325-2420	Lower Motor Casing
3325-2422	Lower Motor Casing Cover Plate Assembly
3825-2423	Cylinder Exhaust Flange Gasket
3825-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket

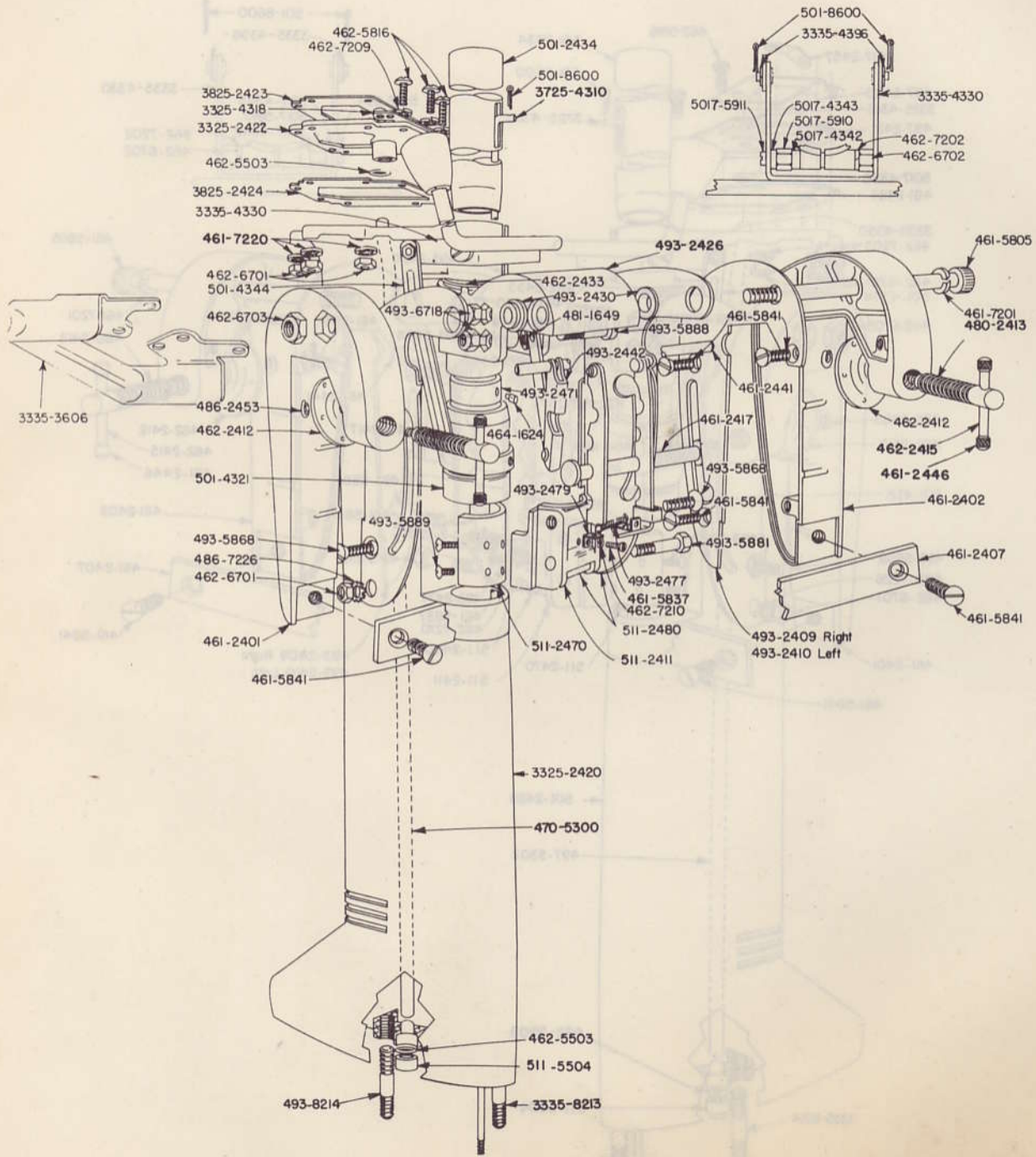
Part Number	Description
511-2480	Tilt Arm Assembly
3335-3606	Carryhandle
3725-4310	Shift Rod Assem.
3325-4318	Drain Tube Support
501-4321	Thrust Socket Lock
3335-4330	Shift Lever Yoke Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
3335-4396	Washer
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut
462-6703	Nut—Boat Bracket Bolt
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher
462-7209	Lockwasher
462-7210	Lockwasher—Spring Retainer
461-7220	Lockwasher
486-7226	Lockwasher—Tilt Arm
3335-8213	Lower Unit Stud—Front
3335-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod



FUEL PUMP

Part Number	Description
3835-1107	Pump Pressure Line
3835-1108	Gas Line—Pump to Carburetor
1325-1204	Gas Line Male Connector
3335-1207	Gas Line Elbow
3325-1217	Hose Clamp
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
*508-6026	Screw—Fuel Pump Body
3335-6057	Screw
	*Included in 508-5200 Assembly

POWERHEAD SUPPORT 3335



POWERHEAD SUPPORT 3035

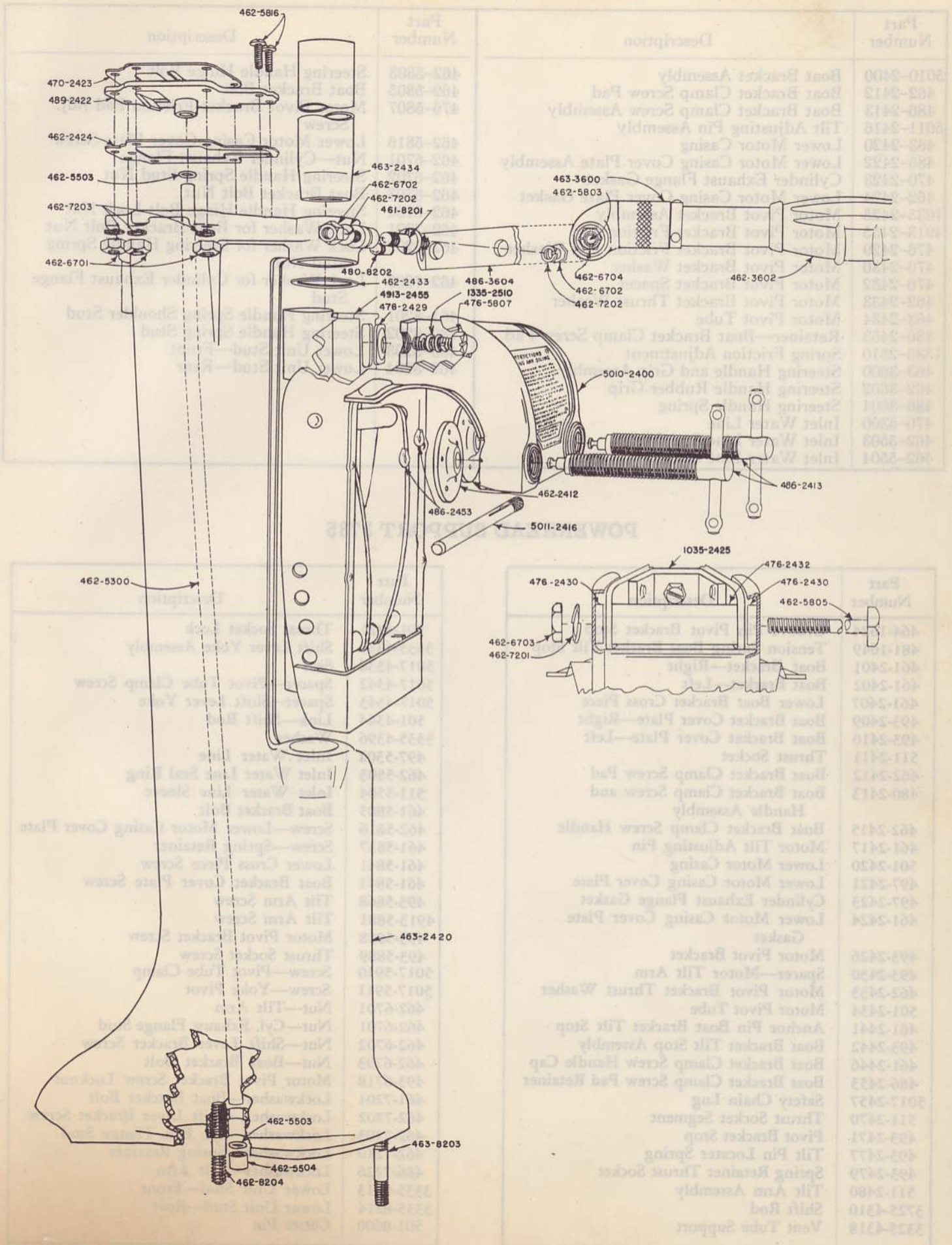
Part Number	Description	Part Number	Description
5010-2400	Boat Bracket Assembly	462-5803	Steering Handle Hinge Bolt
462-2412	Boat Bracket Clamp Screw Pad	462-5805	Boat Bracket Bolt
486-2413	Boat Bracket Clamp Screw Assembly	476-5807	Motor Pivot Bracket Friction Pad Adj. Screw
5011-2416	Tilt Adjusting Pin Assembly	462-5816	Lower Motor Casing Cover Plate Screw
463-2420	Lower Motor Casing	462-6701	Nut—Cylinder Exhaust Flange
486-2422	Lower Motor Casing Cover Plate Assembly	462-6702	Steering Handle Spring Stud Nut
470-2423	Cylinder Exhaust Flange Gasket	462-6703	Boat Bracket Bolt Nut
462-2424	Lower Motor Casing Cover Plate Gasket	462-6704	Steering Handle Hinge Bolt Lock Nut
1035-2425	Motor Pivot Bracket Assembly	462-7201	Lock Washer for Boat Bracket Bolt Nut
4913-2455	Motor Pivot Bracket Friction Pad	462-7202	Lock Washer for Steering Handle Spring Stud Nut
476-2429	Motor Pivot Bracket Friction Pad Washer	462-7203	Lock Washer for Cylinder Exhaust Flange Stud
476-2430	Motor Pivot Bracket Washer	461-8201	Steering Handle Spring Shoulder Stud
476-2432	Motor Pivot Bracket Spacer	480-8202	Steering Handle Spring Stud
462-2433	Motor Pivot Bracket Thrust Washer	463-8203	Lower Unit Stud—Front
463-2434	Motor Pivot Tube	462-8204	Lower Unit Stud—Rear
486-2453	Retainer—Boat Bracket Clamp Screw Pad		
1335-2510	Spring Friction Adjustment		
463-3600	Steering Handle and Grip Assembly		
462-3602	Steering Handle Rubber Grip		
486-3604	Steering Handle Spring		
470-5300	Inlet Water Line		
462-5503	Inlet Water Line Seal Ring		
462-5504	Inlet Water Line Sleeve		

POWERHEAD SUPPORT 3735

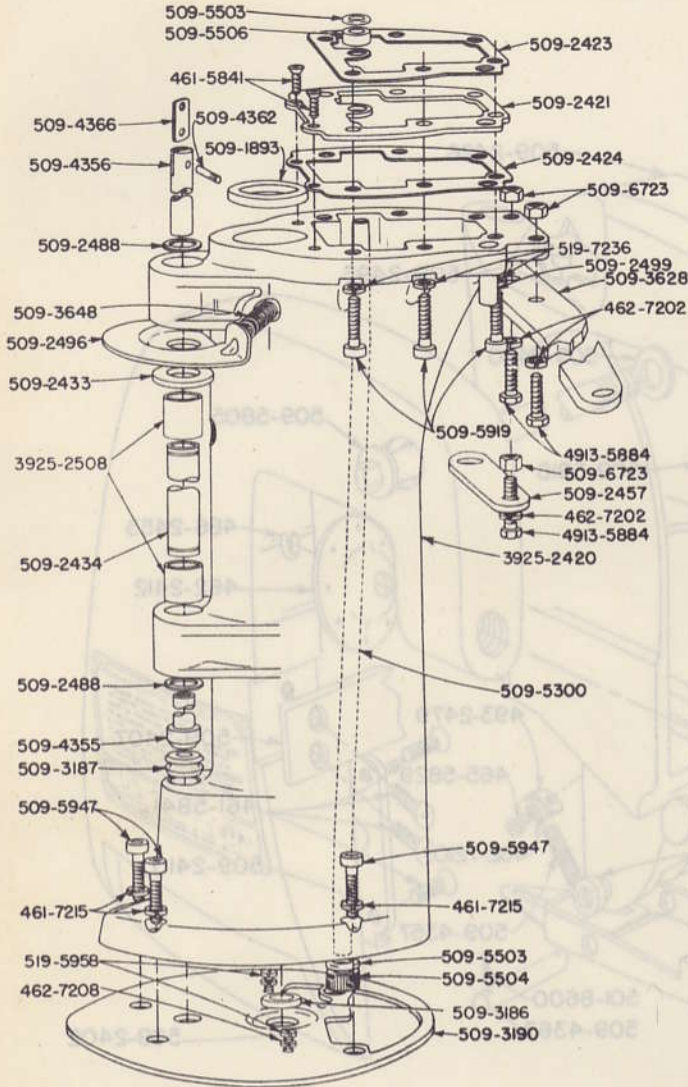
Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
497-2421	Lower Motor Casing Cover Plate
497-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locator Spring
493-2479	Spring Retainer Thrust Socket
511-2480	Tilt Arm Assembly
3725-4310	Shift Rod
3325-4318	Vent Tube Support

Part Number	Description
501-4321	Thrust Socket Lock
3335-4330	Shift Lever Yoke Assembly
5017-4336	Seal
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
3335-4396	Washer
497-5302	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
3335-8213	Lower Unit Stud—Front
3335-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin

POWERHEAD SUPPORT 3035



POWERHEAD SUPPORT 3925

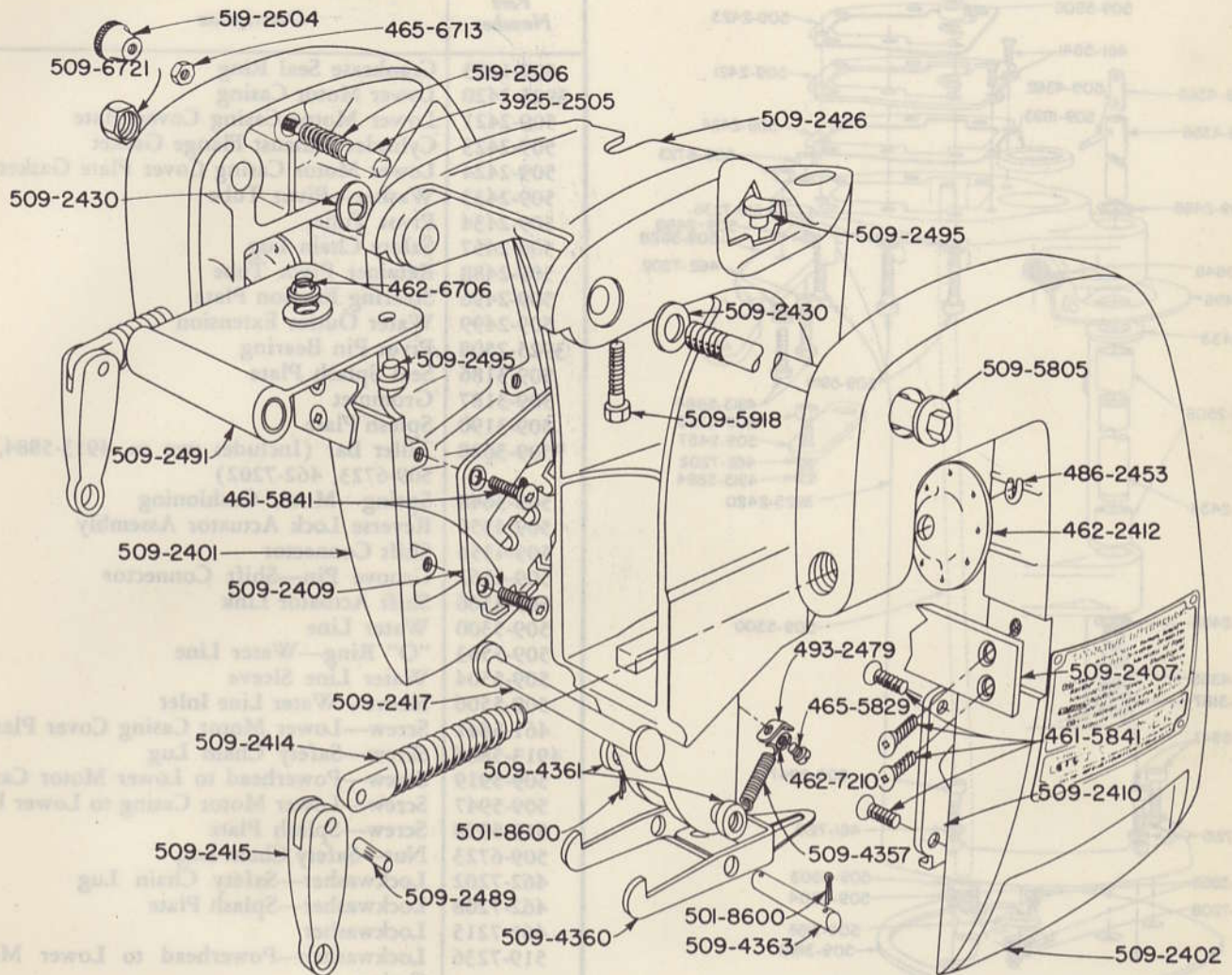


Part Number	Description
509-1893	Crankcase Seal Ring
3925-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
509-2434	Pivot Tube
509-2457	Safety Chain Lug
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
509-2499	Water Outlet Extension
3925-2508	Pivot Pin Bearing
509-3186	Seal Splash Plate
509-3187	Grommet
509-3190	Splash Plate
*509-3628	Tiller Bar (Includes two ea. 4913-5884, 509-6723, 462-7202)
509-3648	Spring—Motor Cushioning
509-4355	Reverse Lock Actuator Assembly
509-4356	Shift Connector
509-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
509-5300	Water Line
509-5503	"O" Ring—Water Line
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Safety Chain Lug
509-5919	Screw—Powerhead to Lower Motor Casing
509-5947	Screw—Lower Motor Casing to Lower Unit
519-5958	Screw—Splash Plate
509-6723	Nut—Safety Chain Lug
462-7202	Lockwasher—Safety Chain Lug
462-7208	Lockwasher—Splash Plate
461-7215	Lockwasher
519-7236	Lockwasher—Powerhead to Lower Motor Casing
<i>*Not Included with Motor</i>	

Part Number	Description
301-8000	Coar Pin—Pivot Pin
403-7310	Lockwasher—Spring Retainer Screw
509-5251	Nut—Boat Bracket Bolt
403-5251	Nut—Knob Lock
403-5206	Special Lock Nut
509-5018	Steering Friction Screw
403-5011	Screw—Boat Bracket Plate & Cross Brace
403-5019	Screw—Spring Retainer
509-5005	Bolt—Boat Bracket
509-4303	Pivot Pin—Reverse Hook
509-4301	Spacer—Pivot Pin
509-4300	Reverse Lock Hook Assembly
509-4327	Spring—Reverse Hook
519-2506	Spring—Tilt Lock
509-2505	Plunger—Tilt Lock
519-2504	Knob—Tilt Lock

Part Number	Description
509-5102	Steering Friction Pad
509-5101	Steering Friction Pad
509-5100	Motor Tilt Advancing Pin
509-5015	Boat Bracket Clamp Screw Handle
509-5014	Boat Bracket Clamp Screw
509-5013	Boat Bracket Clamp Screw Pad
509-5012	Boat Bracket Plate—Left
509-5011	Boat Bracket Plate—Right
509-5010	Cross Brace—Boat Bracket
509-5009	Boat Bracket Lull
509-5008	Boat Bracket Right

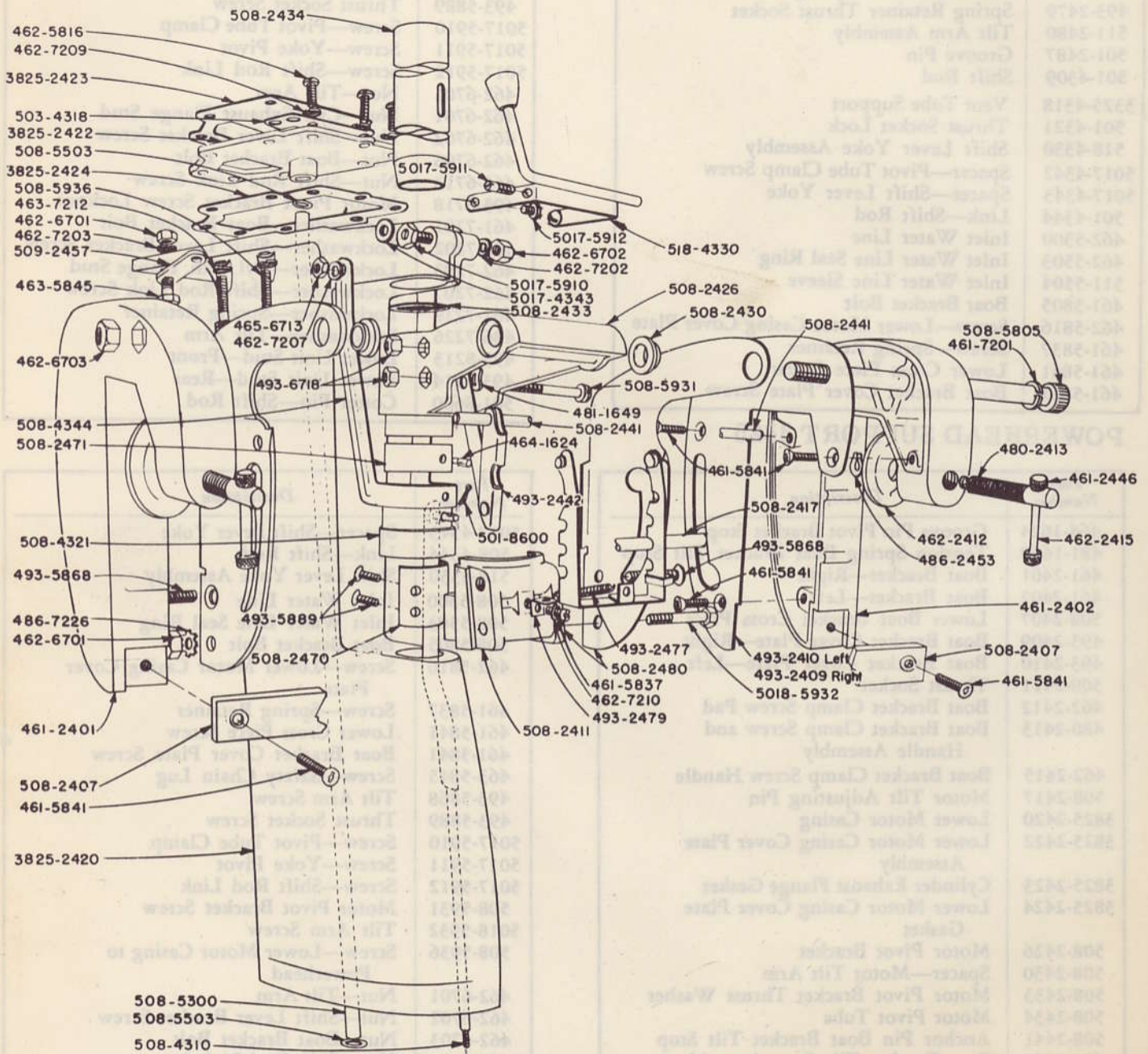
BOAT BRACKET 3925



Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
509-2409	Boat Bracket Plate—Right
509-2410	Boat Bracket Plate—Left
462-2412	Boat Bracket Clamp Screw Pad
509-2414	Boat Bracket Clamp Screw
509-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
509-2430	Washer—Boat Bracket
486-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad

Part Number	Description
519-2504	Knob—Tilt Lock
3925-2505	Plunger—Tilt Lock
519-2506	Spring—Tilt Lock
509-4357	Spring—Reverse Hook
509-4360	Reverse Lock Hook Assembly
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-5918	Steering Friction Screw
462-6706	Special Lock Nut
465-6713	Nut—Knob Lock
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
501-8600	Cotter Pin—Pivot Pin

POWERHEAD SUPPORT 3825



See parts list on preceding page.

POWERHEAD SUPPORT 3325 (continued)

Part Number	Description
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
511-2480	Tilt Arm Assembly
501-2487	Groove Pin
501-4309	Shift Rod
3325-4318	Vent Tube Support
501-4321	Thrust Socket Lock
518-4330	Shift Lever Yoke Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
462-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw

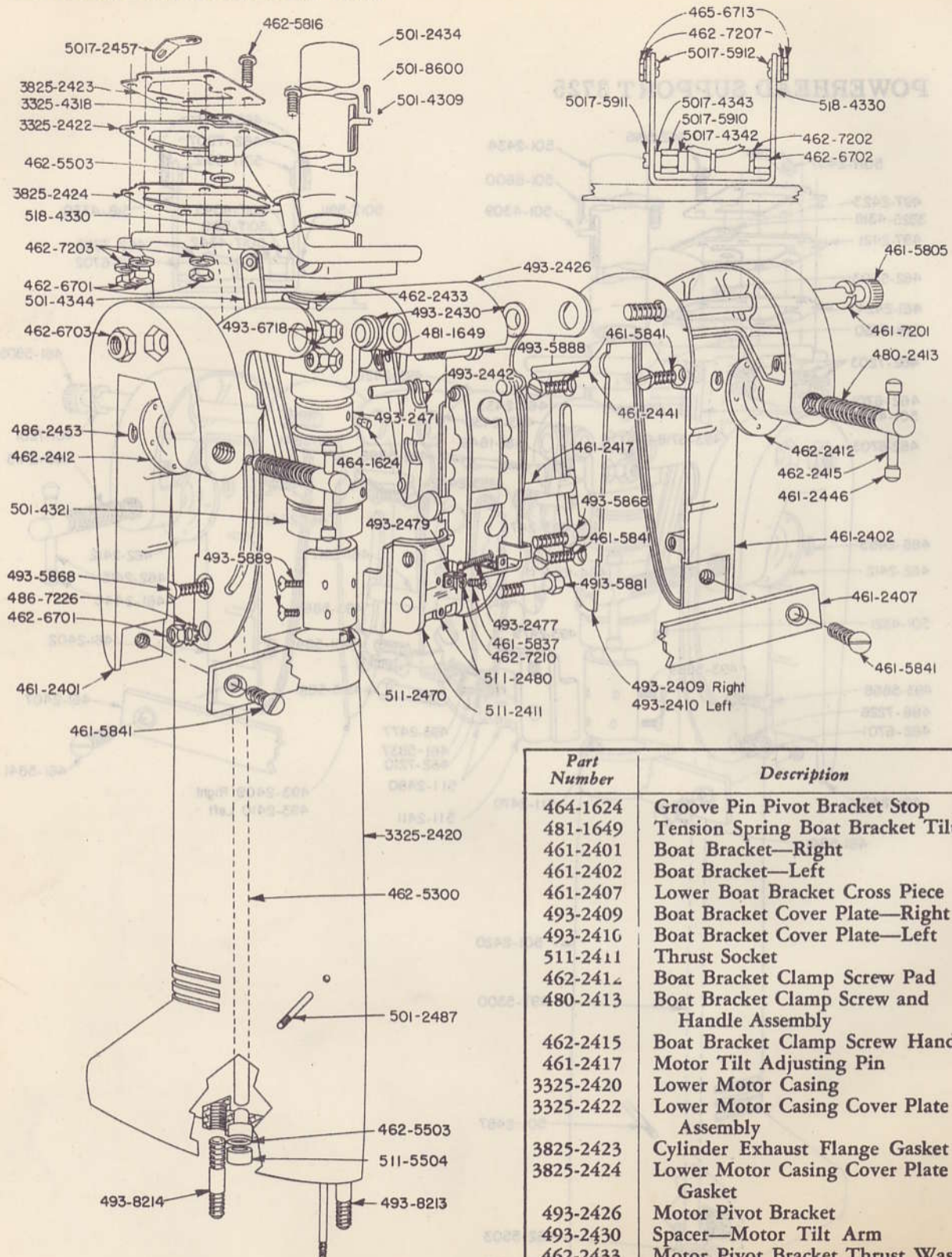
Part Number	Description
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod

POWERHEAD SUPPORT 3825

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
508-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
508-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
508-2417	Motor Tilt Adjusting Pin
3825-2420	Lower Motor Casing
3825-2422	Lower Motor Casing Cover Plate Assembly
3825-2423	Cylinder Exhaust Flange Gasket
3825-2424	Lower Motor Casing Cover Plate Gasket
508-2426	Motor Pivot Bracket
508-2430	Spacer—Motor Tilt Arm
508-2433	Motor Pivot Bracket Thrust Washer
508-2434	Motor Pivot Tube
508-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
509-2457	Safety Chain Lug
508-2470	Thrust Socket Segment
508-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
508-2480	Tilt Arm Assembly
508-4310	Shift Rod Assembly
503-4318	Vent Tube Support
508-4321	Thrust Socket Lock

Part Number	Description
5017-4343	Spacer—Shift Lever Yoke
508-4344	Link—Shift Rod
518-4330	Shift Lever Yoke Assembly
508-5300	Inlet Water Line
508-5503	Inlet Water Line Seal Ring
508-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Screw—Safety Chain Lug
493-5868	Tilt Arm Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
508-5931	Motor Pivot Bracket Screw
5018-5932	Tilt Arm Screw
508-5936	Screw—Lower Motor Casing to Powerhead
462-6701	Nut—Tilt Arm
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Safety Chain Lug
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
463-7212	Cyl. Exhaust Flange Screw
486-7226	Lockwasher—Tilt Arm
501-8600	Cotter Pin—Shift Rod

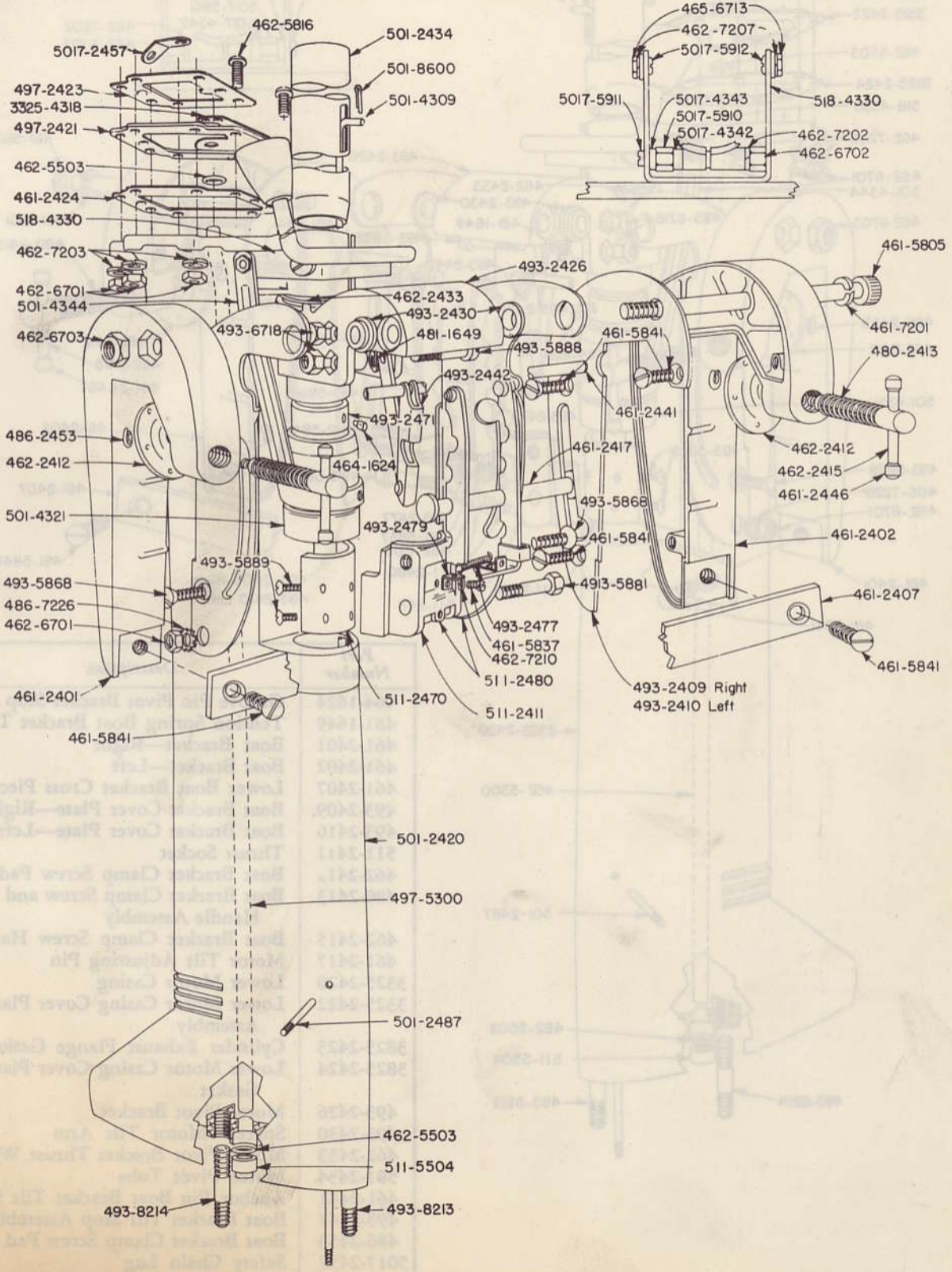
POWERHEAD SUPPORT 3325



Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
3325-2420	Lower Motor Casing
3325-2422	Lower Motor Casing Cover Plate Assembly
3825-2423	Cylinder Exhaust Flange Gasket
3825-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
461-2446	Boat Bracket Clamp Screw Handle Cap

Continued next page

POWERHEAD SUPPORT 3725



POWERHEAD SUPPORT 3025

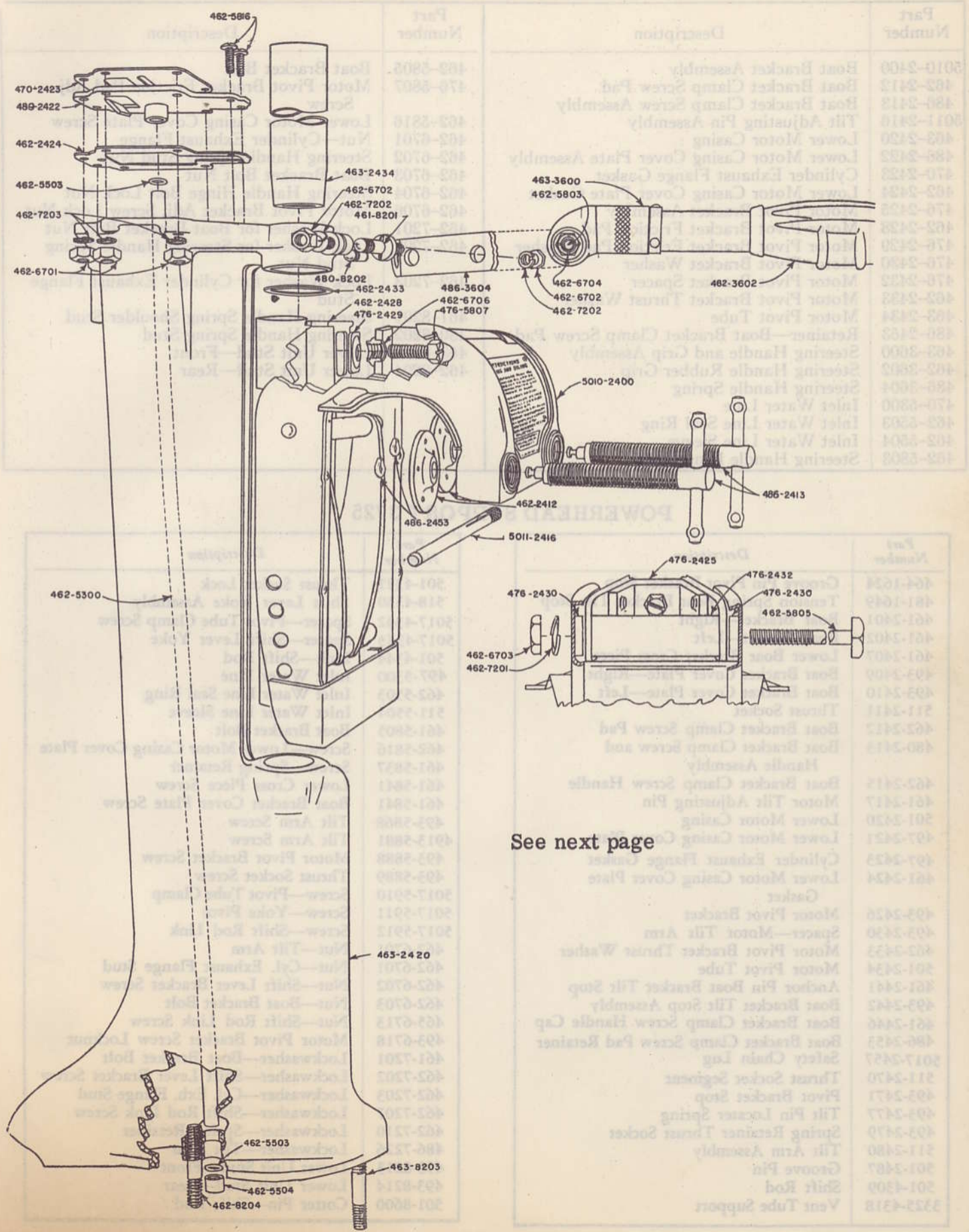
Part Number	Description	Part Number	Description
5010-2400	Boat Bracket Assembly	462-5805	Boat Bracket Bolt
462-2412	Boat Bracket Clamp Screw Pad	476-5807	Motor Pivot Bracket Friction Pad Adj. Screw
486-2413	Boat Bracket Clamp Screw Assembly	462-5816	Lower Motor Casing Cover Plate Screw
5011-2416	Tilt Adjusting Pin Assembly	462-6701	Nut—Cylinder Exhaust Flange
463-2420	Lower Motor Casing	462-6702	Steering Handle Spring Stud Nut
486-2422	Lower Motor Casing Cover Plate Assembly	462-6703	Boat Bracket Bolt Nut
470-2423	Cylinder Exhaust Flange Gasket	462-6704	Steering Handle Hinge Bolt Lock Nut
462-2424	Lower Motor Casing Cover Plate Gasket	462-6706	Motor Pivot Bracket Adj. Screw Lock Nut
476-2425	Motor Pivot Bracket Assembly	462-7201	Lock Washer for Boat Bracket Bolt Nut
462-2428	Motor Pivot Bracket Friction Pad	462-7202	Lock Washer for Steering Handle Spring Stud Nut
476-2429	Motor Pivot Bracket Friction Pad Washer	462-7203	Lock Washer for Cylinder Exhaust Flange Stud
476-2430	Motor Pivot Bracket Washer	461-8201	Steering Handle Spring Shoulder Stud
476-2432	Motor Pivot Bracket Spacer	480-8202	Steering Handle Spring Stud
462-2433	Motor Pivot Bracket Thrust Washer	463-8203	Lower Unit Stud—Front
463-2434	Motor Pivot Tube	462-8204	Lower Unit Stud—Rear
486-2453	Retainer—Boat Bracket Clamp Screw Pad		
463-3600	Steering Handle and Grip Assembly		
462-3602	Steering Handle Rubber Grip		
486-3604	Steering Handle Spring		
470-5300	Inlet Water Line		
462-5503	Inlet Water Line Seal Ring		
462-5504	Inlet Water Line Sleeve		
462-5803	Steering Handle Hinge Bolt		

POWERHEAD SUPPORT 3725

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
497-2421	Lower Motor Casing Cover Plate
497-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
511-2480	Tilt Arm Assembly
501-2487	Groove Pin
501-4309	Shift Rod
3325-4318	Vent Tube Support

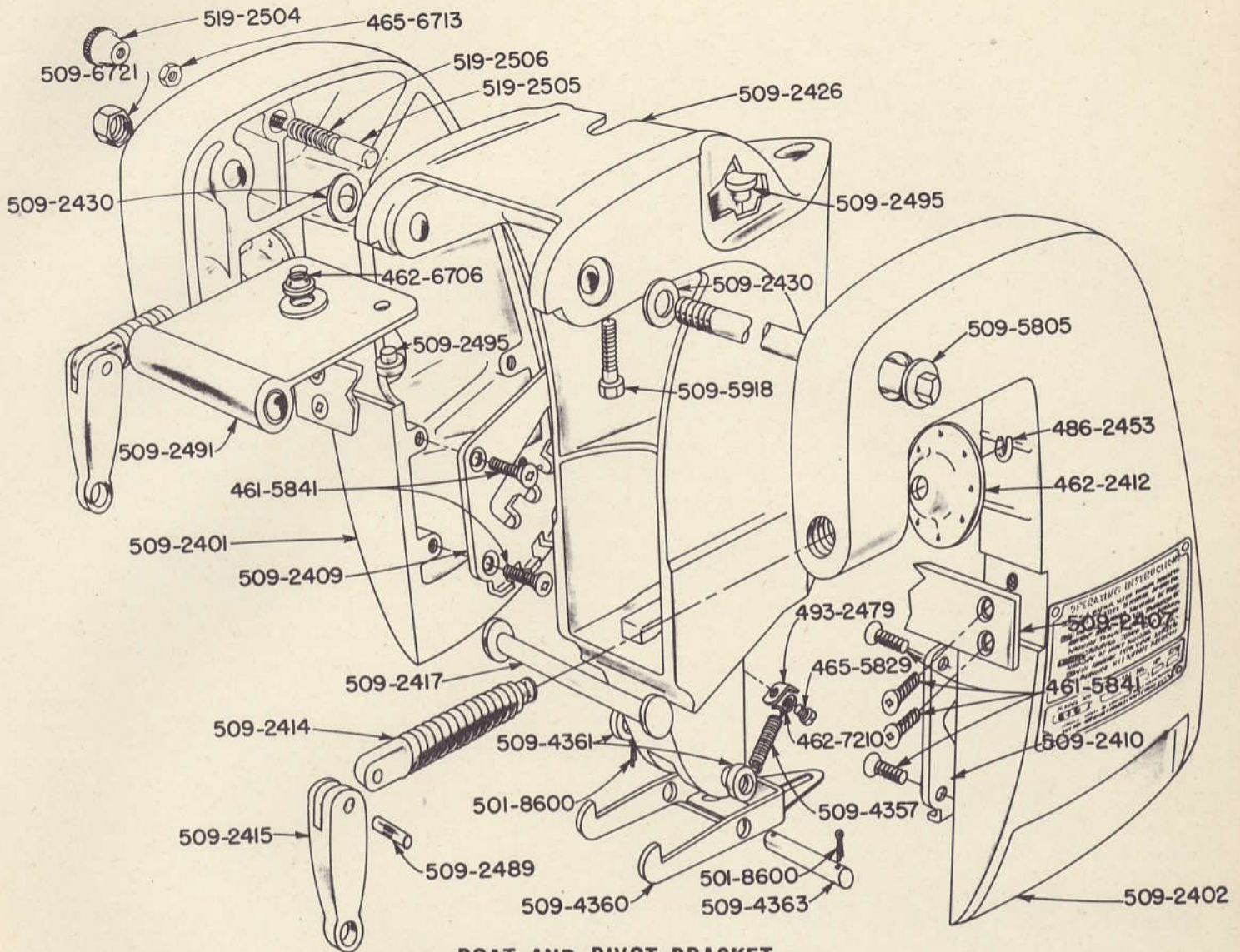
Part Number	Description
501-4321	Thrust Socket Lock
518-4330	Shift Lever Yoke Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
497-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod

POWERHEAD SUPPORT 3025



See next page

BOAT BRACKET - 519



BOAT AND PIVOT BRACKET

Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
509-2409	Boat Bracket Plate—Right
509-2410	Boat Bracket Plate—Left
462-2412	Boat Bracket Clamp Screw Pad
509-2414	Boat Bracket Clamp Screw
509-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
509-2430	Washer—Boat Bracket
486-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad

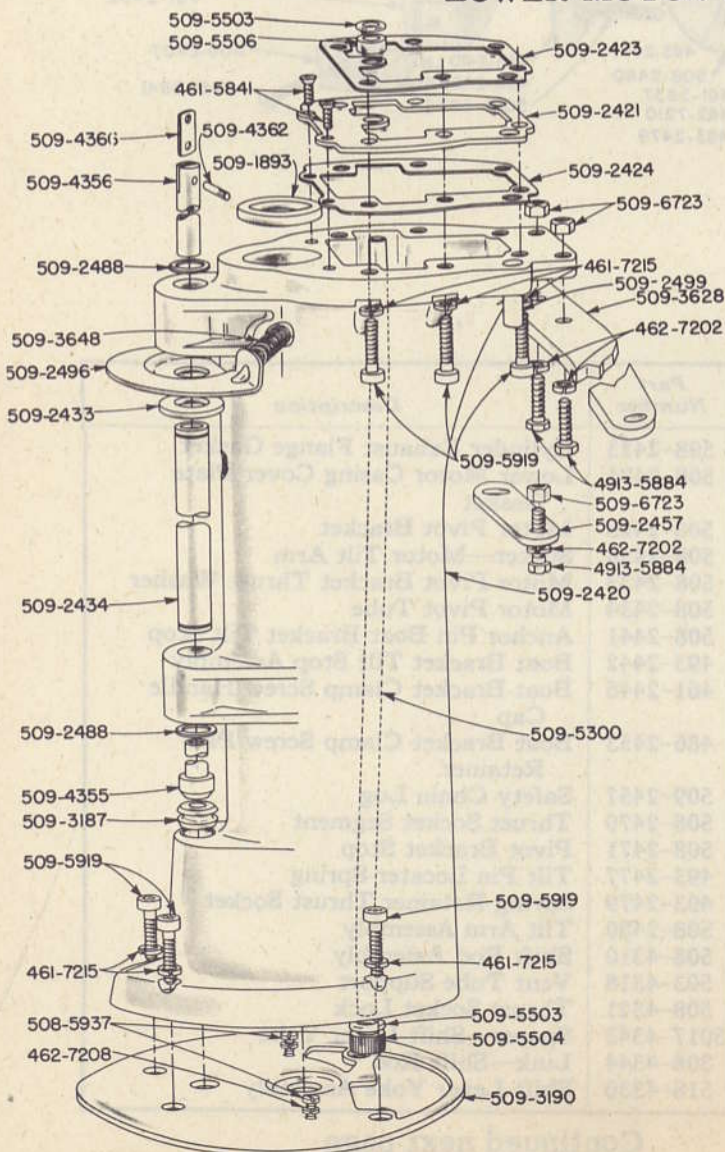
Part Number	Description
519-2504	Knob—Tilt Lock
519-2505	Plunger—Tilt Lock
519-2506	Spring—Tilt Lock
509-4357	Spring—Reverse Hook
509-4360	Reverse Lock Hook Assembly
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-5918	Steering Friction Screw
462-6706	Special Lock Nut
467-6713	Nut—Knob Lock
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
501-8600	Cotter Pin—Pivot Pin

POWERHEAD SUPPORT - 518 (continued)

Part Number	Description
508-5300	Inlet Water Line
508-5503	Inlet Water Line Seal Ring
508-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Screw—Safety Chain Lug
493-5868	Tilt Arm Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
508-5931	Motor Pivot Bracket Screw
5018-5932	Tilt Arm Screw
508-5936	Screw—Lower Motor Casing to Powerhead

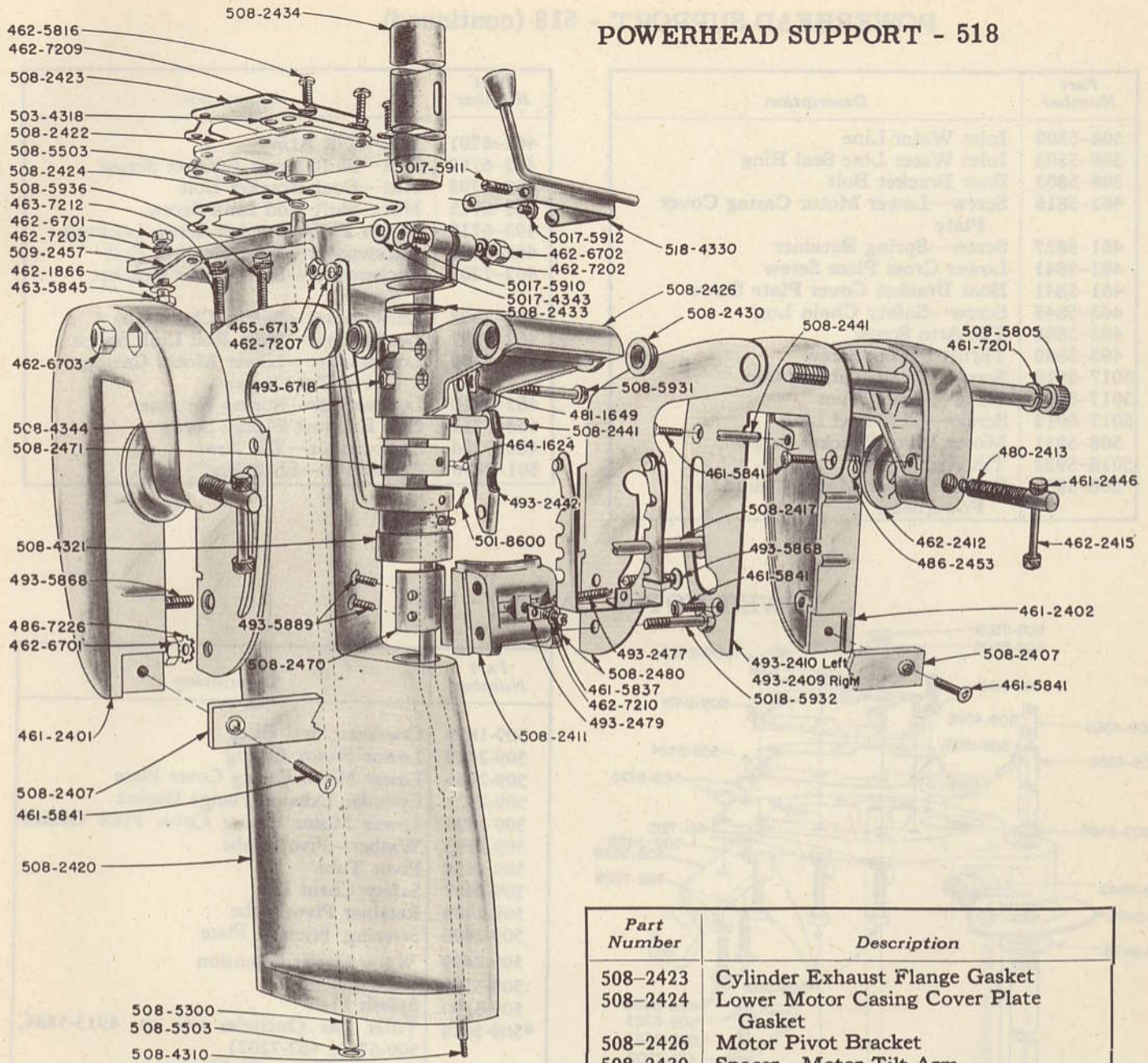
Part Number	Description
462-6701	Nut—Tilt Arm
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Safety Chain Lug
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
463-7212	Cyl. Exhaust Flange Screw
486-7226	Lockwasher—Tilt Arm
501-8600	Cotter Pin—Shift Rod

LOWER MOTOR CASING - 519



Part Number	Description
509-1893	Crankcase Seal Ring
509-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
509-2434	Pivot Tube
509-2457	Safety Chain Lug
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
509-2499	Water Outlet Extension
509-3187	Grommet
509-3190	Splash Plate
*509-3628	Tiller Bar (Includes two ea. 4913-5884, 509-6723, 462-7202)
509-3648	Spring—Motor Cushioning
509-4355	Reverse Lock Actuator Assembly
509-4356	Shift Connector
509-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
509-5300	Water Line
509-5503	"O" Ring—Water Line
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Safety Chain Lug
509-5919	Screw—Lower Motor Casing & Lower Unit—Powerhead to Lower Motor Casing
508-5937	Screw—Splash Plate
509-6723	Nut—Safety Chain Lug
462-7202	Lockwasher—Safety Chain Lug
462-7208	Lockwasher—Splash Plate
461-7215	Lockwasher
* Not Included With Motor	

POWERHEAD SUPPORT - 518

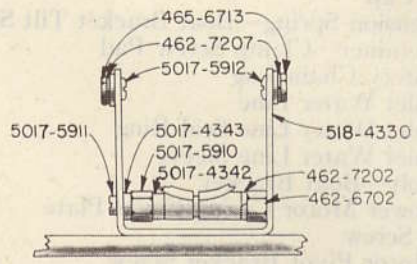
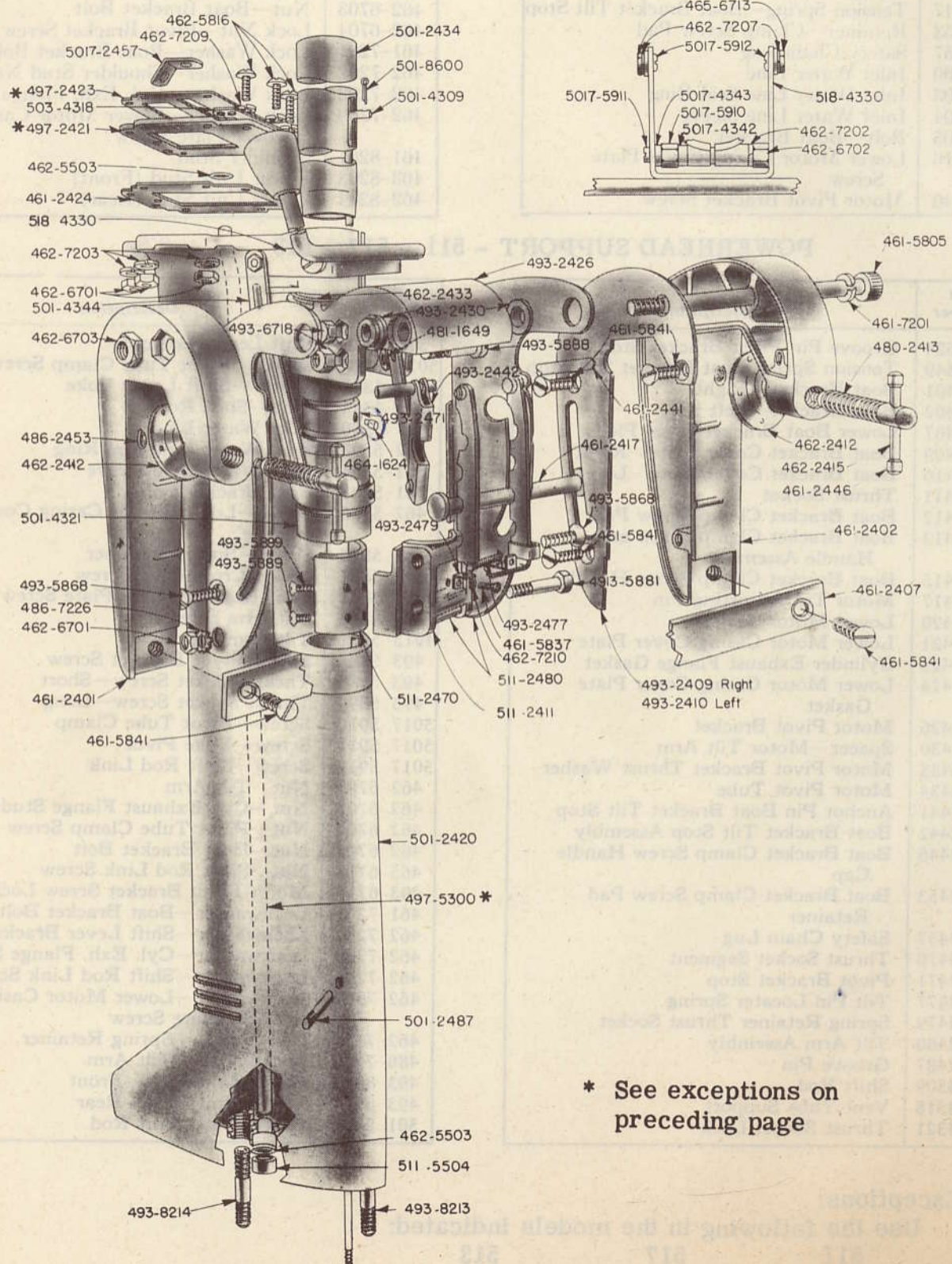


Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
462-1866	Washer—Safety Chain Lug
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
508-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
508-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
508-2417	Motor Tilt Adjusting Pin
508-2420	Lower Motor Casing
508-2422	Lower Motor Casing Cover Plate Assembly

Part Number	Description
508-2423	Cylinder Exhaust Flange Gasket
508-2424	Lower Motor Casing Cover Plate Gasket
508-2426	Motor Pivot Bracket
508-2430	Spacer—Motor Tilt Arm
508-2433	Motor Pivot Bracket Thrust Washer
508-2434	Motor Pivot Tube
508-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
509-2457	Safety Chain Lug
508-2470	Thrust Socket Segment
508-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
508-2480	Tilt Arm Assembly
508-4310	Shift Rod Assembly
503-4318	Vent Tube Support
508-4321	Thrust Socket Lock
5017-4343	Spacer—Shift Lever Yoke
508-4344	Link—Shift Rod
518-4330	Shift Lever Yoke Assembly

Continued next page

POWERHEAD SUPPORT - 511 - 517 - 513



* See exceptions on preceding page

POWERHEAD SUPPORT - 510 continued)

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Clamp Screw Pad
5017-2457	Safety Chain Lug
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
480-5840	Motor Pivot Bracket Screw

Part Number	Description
461-5841	Lower Cross-Piece Screw
461-5841	Boat Bracket Cover Plate Screw
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Lock Nut—Pivot Bracket Screw
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer—Shoulder Stud Nut
462-7203	Lock Washer—Cyl. Exh. Flange Stud
462-7209	Lock Washer—Lower Motor Casing Cover Plate Screw
461-8201	Shoulder Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

POWERHEAD SUPPORT - 511 - 517 - 513

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
* 497-2421	Lower Motor Casing Cover Plate
* 497-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
501-2487	Groove Pin
501-4309	Shift Rod
503-4318	Vent Tube Support
501-4321	Thrust Socket Lock

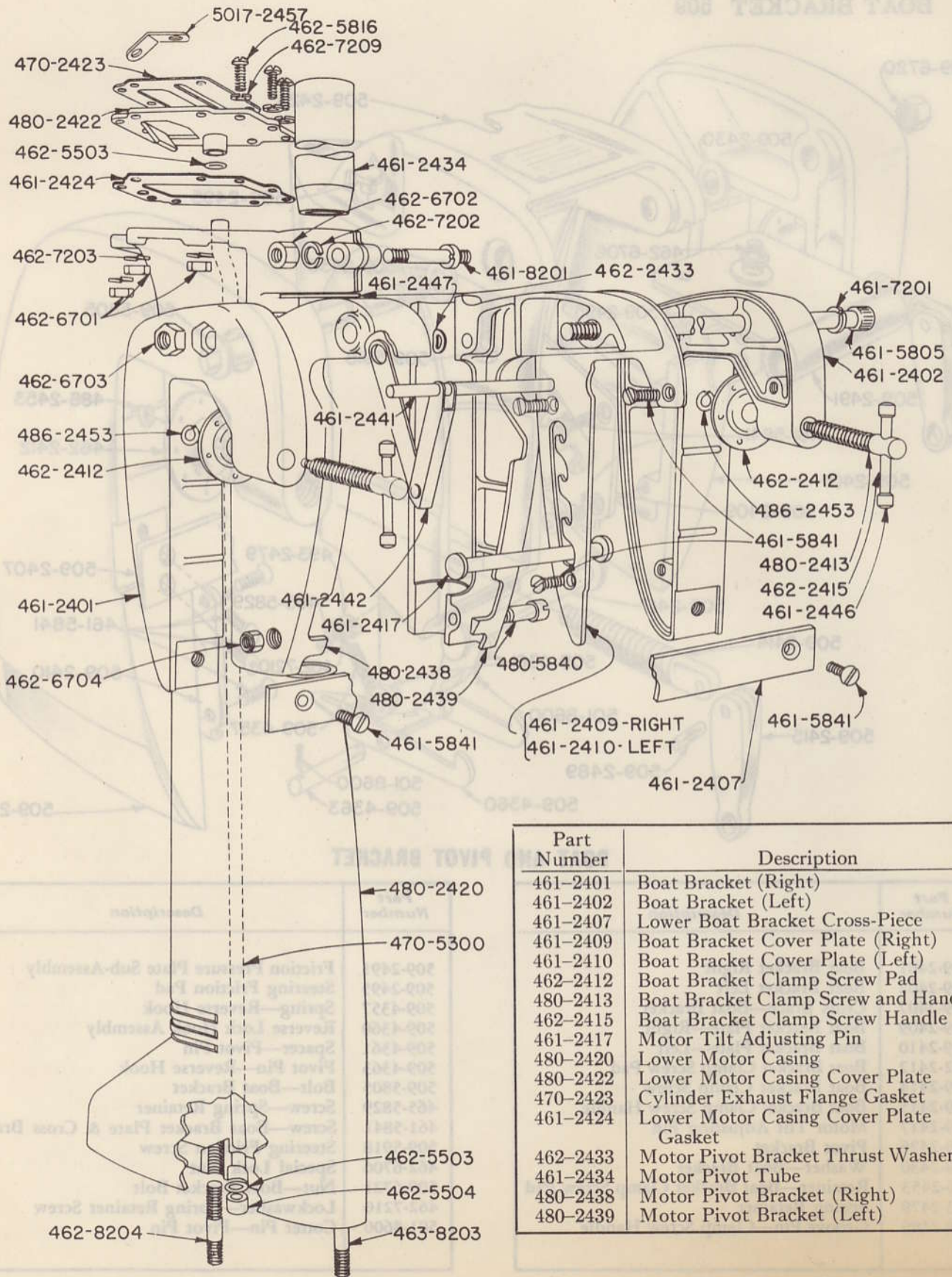
Part Number	Description
518-4330	Shift Lever Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
* 497-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Pivot Tube Clamp Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod

* Exceptions:

Use the following in the models indicated:

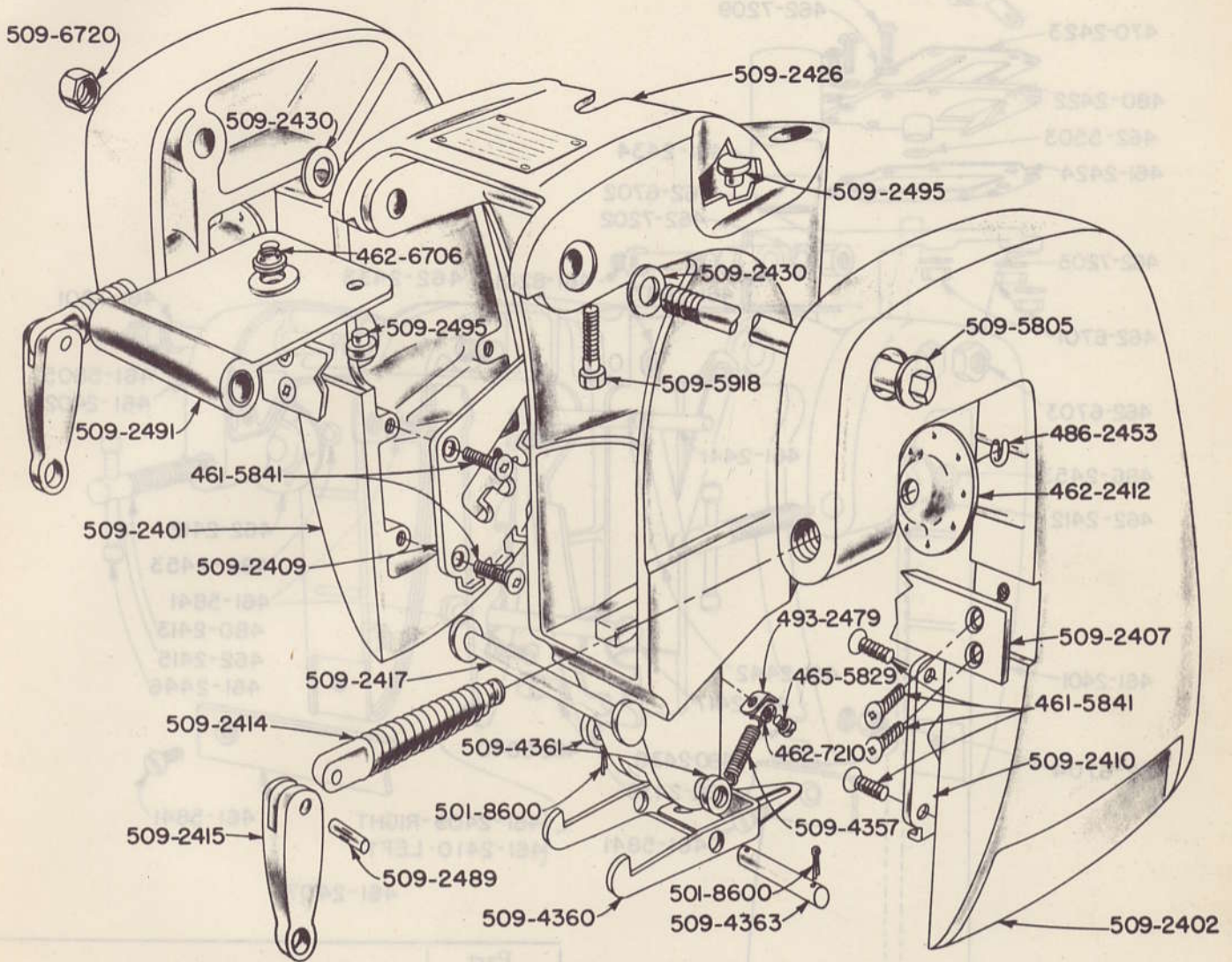
511	517	513
480-2422	497-2421	483-2422
470-2423	497-2423	462-2423
470-5300	497-5300	462-5300

POWERHEAD SUPPORT - 510



Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
480-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
480-2438	Motor Pivot Bracket (Right)
480-2439	Motor Pivot Bracket (Left)

BOAT BRACKET 509



BOAT AND PIVOT BRACKET

Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
509-2409	Boat Bracket Plate—Right
509-2410	Boat Bracket Plate—Left
462-2412	Boat Bracket Clamp Screw Pad
509-2414	Boat Bracket Clamp Screw
509-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
509-2430	Washer—Boat Bracket
486-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle

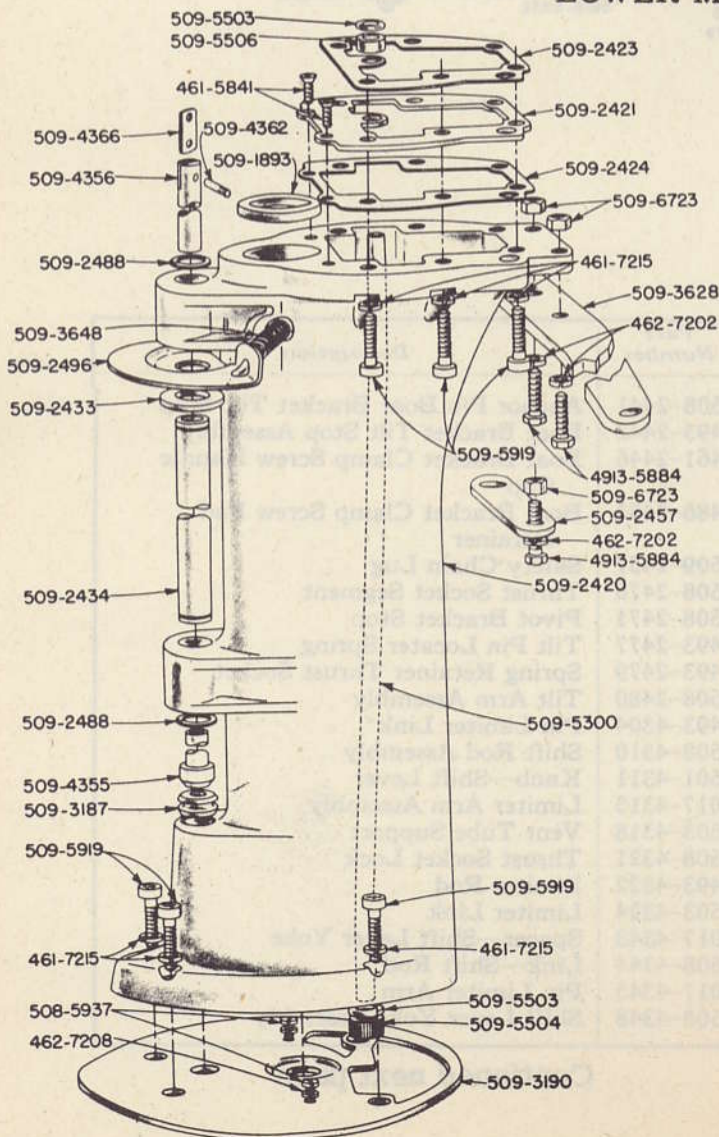
Part Number	Description
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad
509-4357	Spring—Reverse Hook
509-4360	Reverse Lock Hook Assembly
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-5918	Steering Friction Screw
462-6706	Special Lock Nut
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
501-8600	Cotter Pin—Pivot Pin

POWERHEAD SUPPORT 518 (Continued)

Part Number	Description
508-5300	Inlet Water Line
508-5503	Inlet Water Line Seal Ring
508-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Screw—Safety Chain Lug
493-5868	Tilt Arm Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
5017-5913	Set Screw—Limiter Arm
508-5931	Motor Pivot Bracket Screw
5018-5932	Tilt Arm Screw
508-5936	Screw—Lower Motor Casing to Powerhead

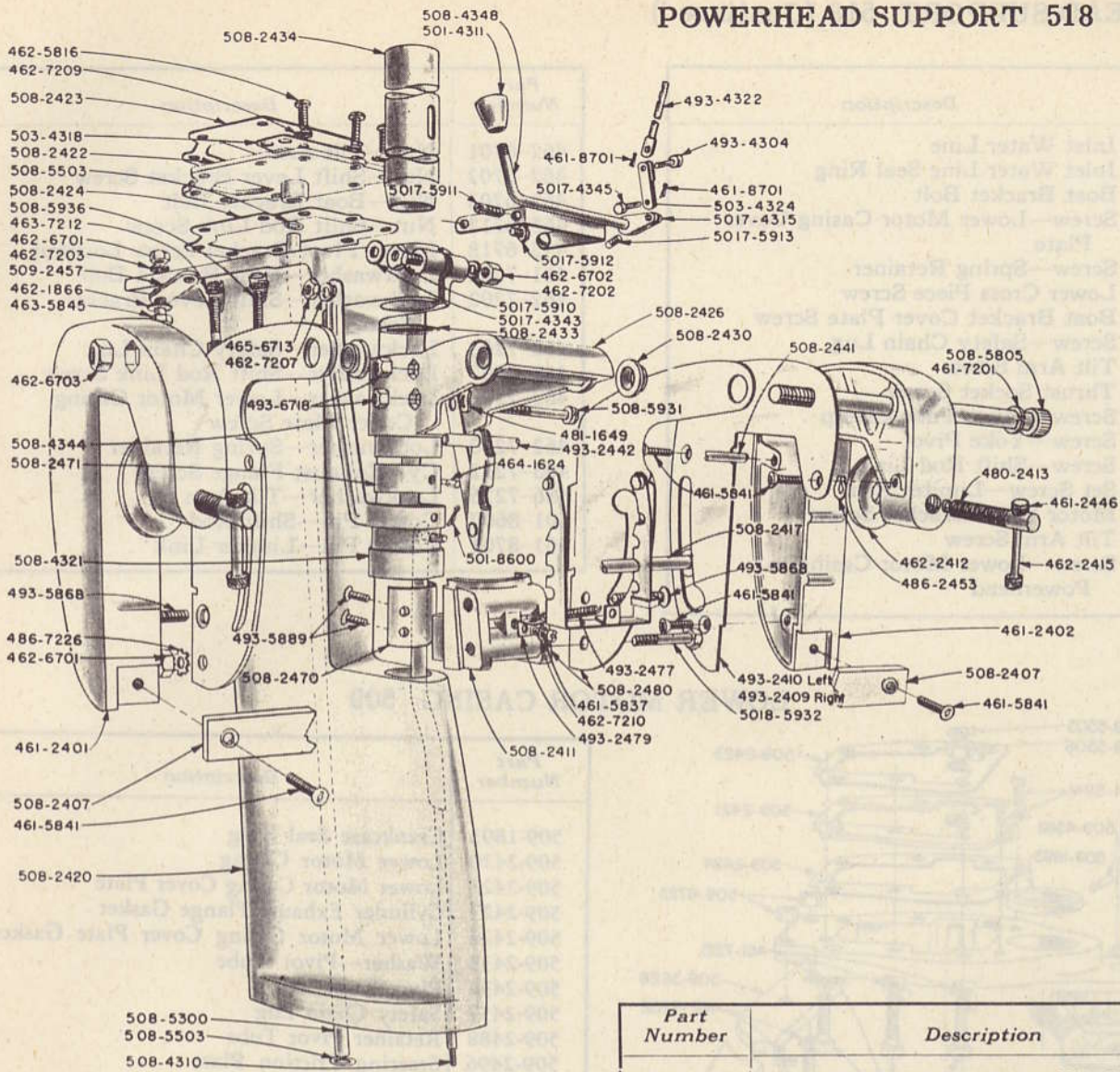
Part Number	Description
462-6701	Nut—Tilt Arm
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Safety Chain Lug
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
463-7212	Cyl. Exhaust Flange Screw
486-7226	Lockwasher—Tilt Arm
501-8600	Cotter Pin—Shift Rod
461-8701	Cotter Pin—Limiter Link

LOWER MOTOR CASING 509



Part Number	Description
509-1893	Crankcase Seal Ring
509-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
509-2434	Pivot Tube
509-2457	Safety Chain Lug
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
509-3187	Grommet
509-3190	Splash Plate
*509-3628	Tiller Bar (Includes two ea. 4913-5884, 509-6723, 462-7202)
509-3648	Spring—Motor Cushioning
509-4355	Reverse Lock Actuator Assembly
509-4356	Shift Connector
509-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
509-5300	Water Line
509-5503	"O" Ring—Water Line
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Safety Chain Lug
509-5919	Screw—Lower Motor Casing & Lower Unit—Powerhead to Lower Motor Casing
508-5937	Screw—Splash Plate
509-6723	Nut—Safety Chain Lug
462-7202	Lockwasher—Safety Chain Lug
462-7208	Lockwasher—Splash Plate
461-7215	Lockwasher
<i>* Not Included With Motor</i>	

POWERHEAD SUPPORT 518



Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
462-1866	Washer—Safety Chain Lug
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
508-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
508-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
508-2417	Motor Tilt Adjusting Pin
508-2420	Lower Motor Casing
508-2422	Lower Motor Casing Cover Plate Assembly
508-2423	Cylinder Exhaust Flange Gasket
508-2424	Lower Motor Casing Cover Plate Gasket
508-2426	Motor Pivot Bracket
508-2430	Spacer—Motor Tilt Arm
508-2433	Motor Pivot Bracket Thrust Washer
508-2434	Motor Pivot Tube

Part Number	Description
508-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
509-2457	Safety Chain Lug
508-2470	Thrust Socket Segment
508-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locator Spring
493-2479	Spring Retainer Thrust Socket
508-2480	Tilt Arm Assembly
493-4304	Pin Limiter Link
508-4310	Shift Rod Assembly
501-4311	Knob—Shift Lever
5017-4315	Limiter Arm Assembly
503-4318	Vent Tube Support
508-4321	Thrust Socket Lock
493-4322	Limiter Rod
503-4324	Limiter Link
5017-4343	Spacer—Shift Lever Yoke
508-4344	Link—Shift Rod
5017-4345	Pin Limiter Arm
508-4348	Shift Lever Yoke Assembly

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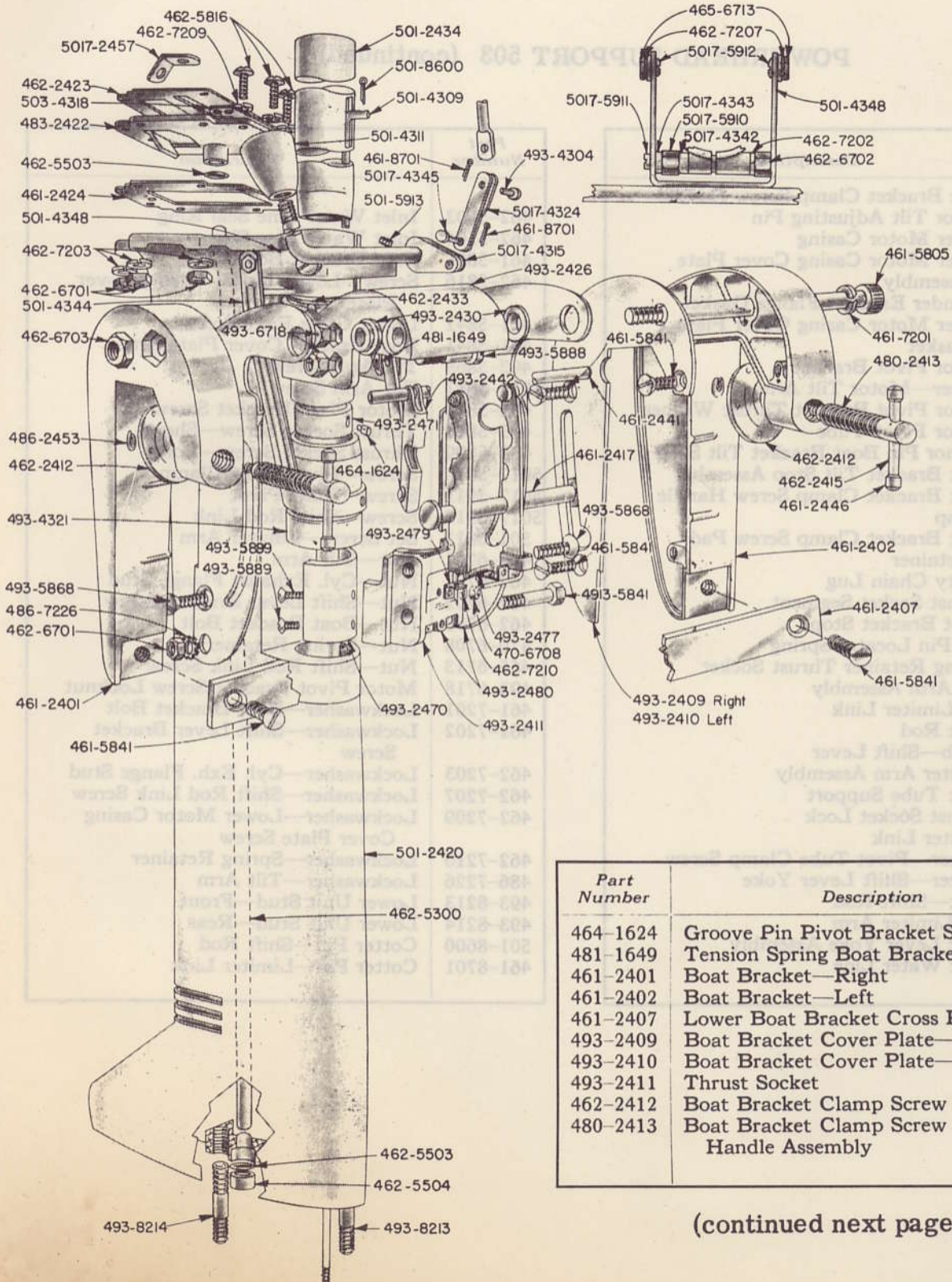
POWERHEAD SUPPORT 503 (continued)

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
493-2420	Lower Motor Casing
483-2422	Lower Motor Casing Cover Plate Assembly
462-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locator Spring
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
493-4304	Pin Limiter Link
501-4309	Shift Rod
501-4311	Knob—Shift Lever
5017-4315	Limiter Arm Assembly
503-4318	Vent Tube Support
493-4321	Thrust Socket Lock
5017-4324	Limiter Link
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
5017-4345	Pin Limiter Arm
501-4348	Shift Lever Yoke Assembly
462-5300	Inlet Water Line

Part Number	Description
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
501-5913	Set Screw—Limiter Arm
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod
461-8701	Cotter Pin—Limiter Link

(continued next page)

POWERHEAD SUPPORT 503



Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
493-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly

(continued next page)

POWERHEAD SUPPORT 507 (continued)

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
497-2421	Lower Motor Casing Cover Plate
497-2423	Cylinder Exhaust Flange Gasket
462-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2478	Spring Retainer Tilt Pin Locater
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
501-2487	Groove Pin
493-4304	Pin Limiter Link
501-4309	Shift Rod
5017-4315	Limiter Arm
503-4318	Vent Tube Support
501-4321	Thrust Socket Lock
5017-4324	Limiter Link
501-4330	Shift Lever Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke

Part Number	Description
501-4344	Link—Shift Rod
5017-4345	Pin Limiter Arm
497-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
5017-5913	Set Screw—Limiter Arm
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Pivot Tube Clamp Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod
461-8701	Cotter Pin—Limiter Link

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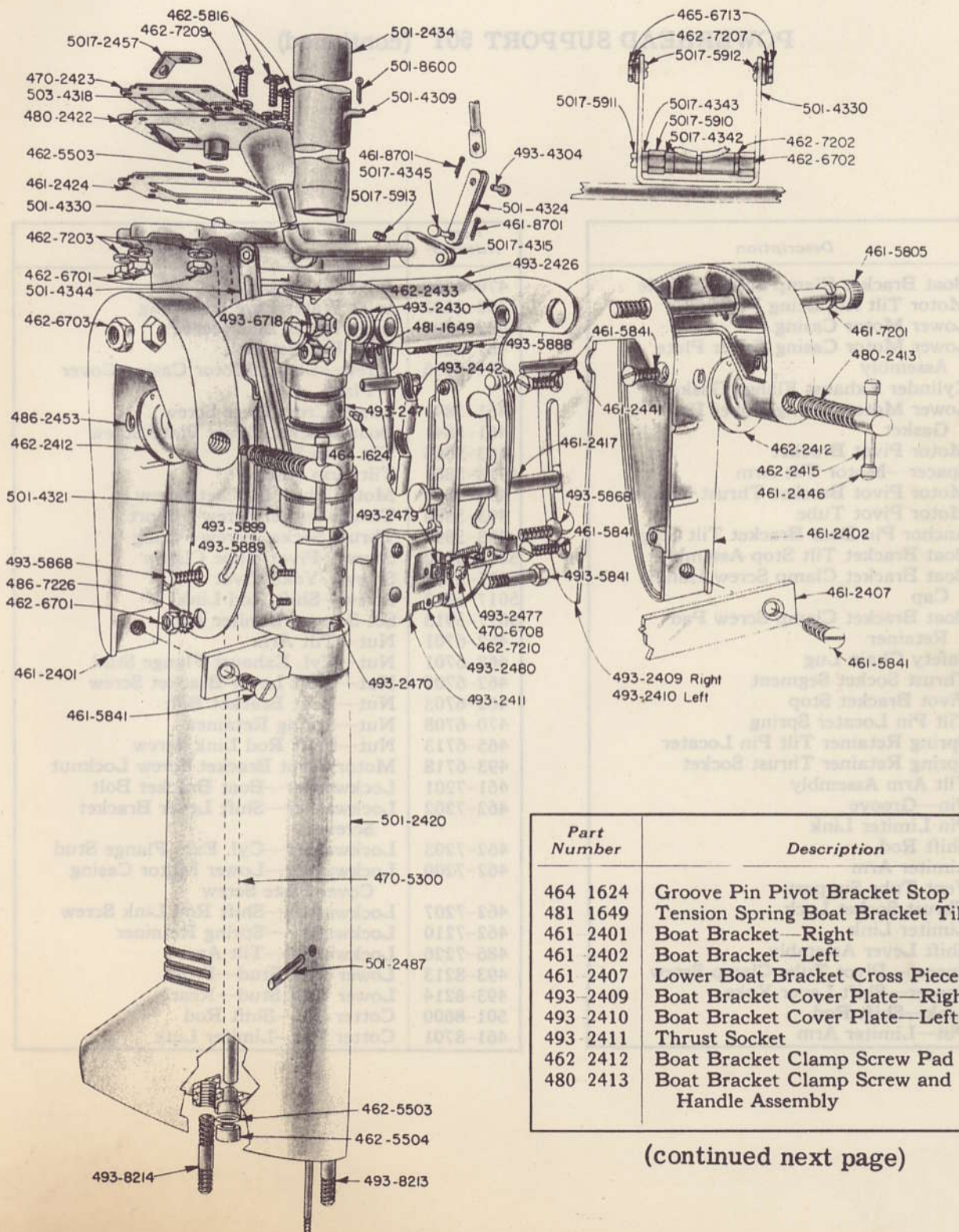
POWERHEAD SUPPORT 501 (continued)

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate Assembly
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2478	Spring Retainer Tilt Pin Locater
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
501-2487	Pin—Groove
493-4304	Pin Limiter Link
501-4309	Shift Rod
5017-4315	Limiter Arm
503-4318	Vent Tube Support
501-4321	Thrust Socket Lock
501-4324	Limiter Link
501-4330	Shift Lever Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
5017-4345	Pin—Limiter Arm

Part Number	Description
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
5017-5913	Set Screw—Limiter Arm
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7207	Lockwasher—Shift Rod Link Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod
461-8701	Cotter Pin—Limiter Link

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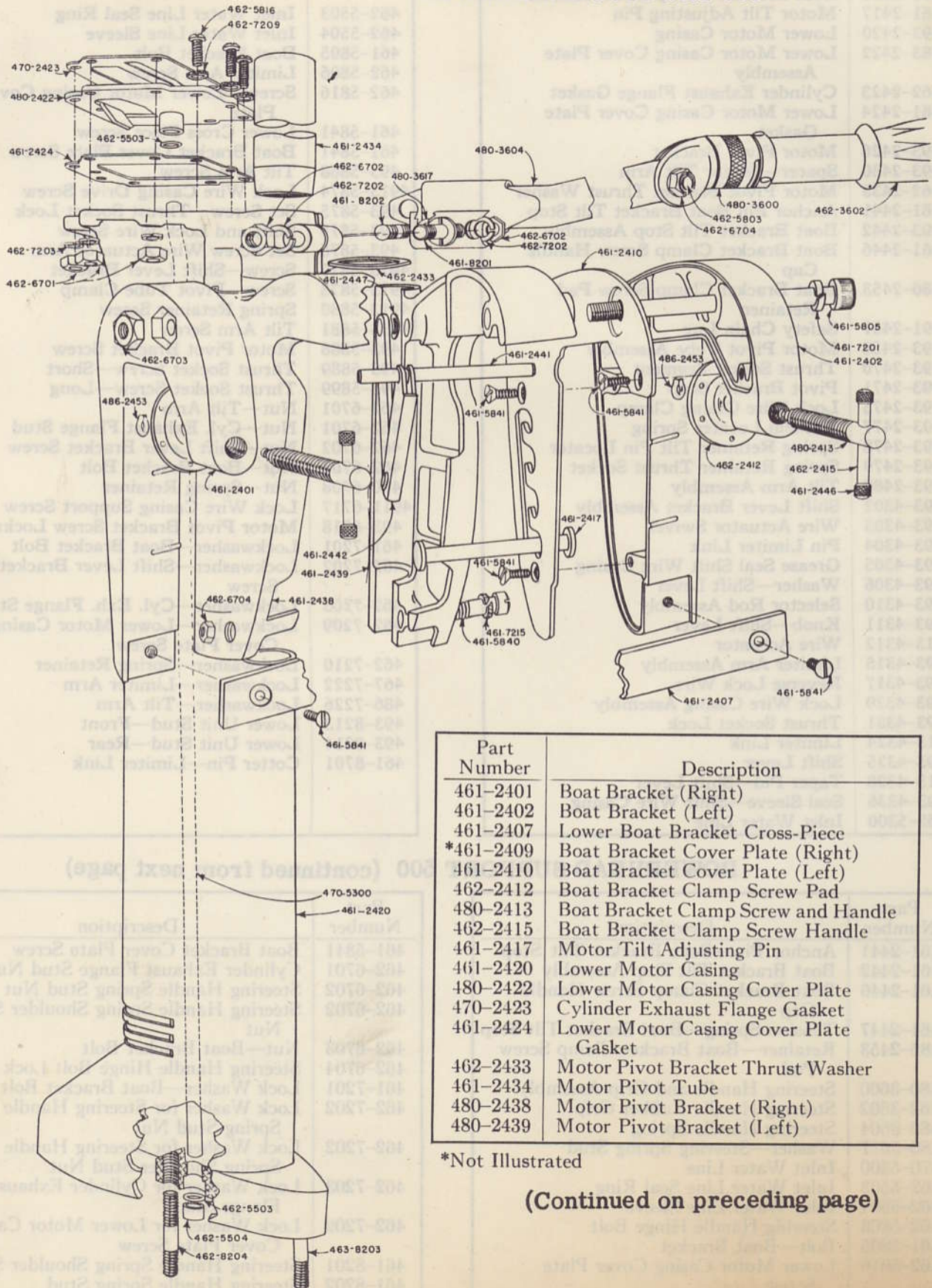
POWERHEAD SUPPORT 501



Part Number	Description
464 1624	Groove Pin Pivot Bracket Stop
481 1649	Tension Spring Boat Bracket Tilt Stop
461 2401	Boat Bracket—Right
461 2402	Boat Bracket—Left
461 2407	Lower Boat Bracket Cross Piece
493 2409	Boat Bracket Cover Plate—Right
493 2410	Boat Bracket Cover Plate—Left
493 2411	Thrust Socket
462 2412	Boat Bracket Clamp Screw Pad
480 2413	Boat Bracket Clamp Screw and Handle Assembly

(continued next page)

POWERHEAD SUPPORT 500



Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
*461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
461-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
480-2438	Motor Pivot Bracket (Right)
480-2439	Motor Pivot Bracket (Left)

*Not Illustrated

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POWERHEAD SUPPORT 493 (continued)

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
493-2420	Lower Motor Casing
483-2422	Lower Motor Casing Cover Plate Assembly
462-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
491-2457	Safety Chain Lug
493-2458	Motor Pivot Tube Assembly
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2473	Lock Wire Casing Clamp
493-2477	Tilt Pin Locater Spring
493-2478	Spring Retainer Tilt Pin Locater
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
493-4302	Shift Lever Bracket Assembly
493-4303	Wire Actuator Swivel
493-4304	Pin Limiter Link
493-4305	Grease Seal Shift Wire Casing
493-4306	Washer—Shift Lever
493-4310	Selector Rod Assembly
493-4311	Knob—Shift Lever
4913-4312	Wire Actuator
493-4315	Limiter Arm Assembly
493-4317	Reverse Lock Wire
493-4320	Lock Wire Casing Assembly
493-4321	Thrust Socket Lock
4913-4324	Limiter Link
493-4325	Shift Lever
4913-4328	Taper Pin—Shift Lever
493-4336	Seal Sleeve—Shift Wire Casing
462-5300	Inlet Water Line

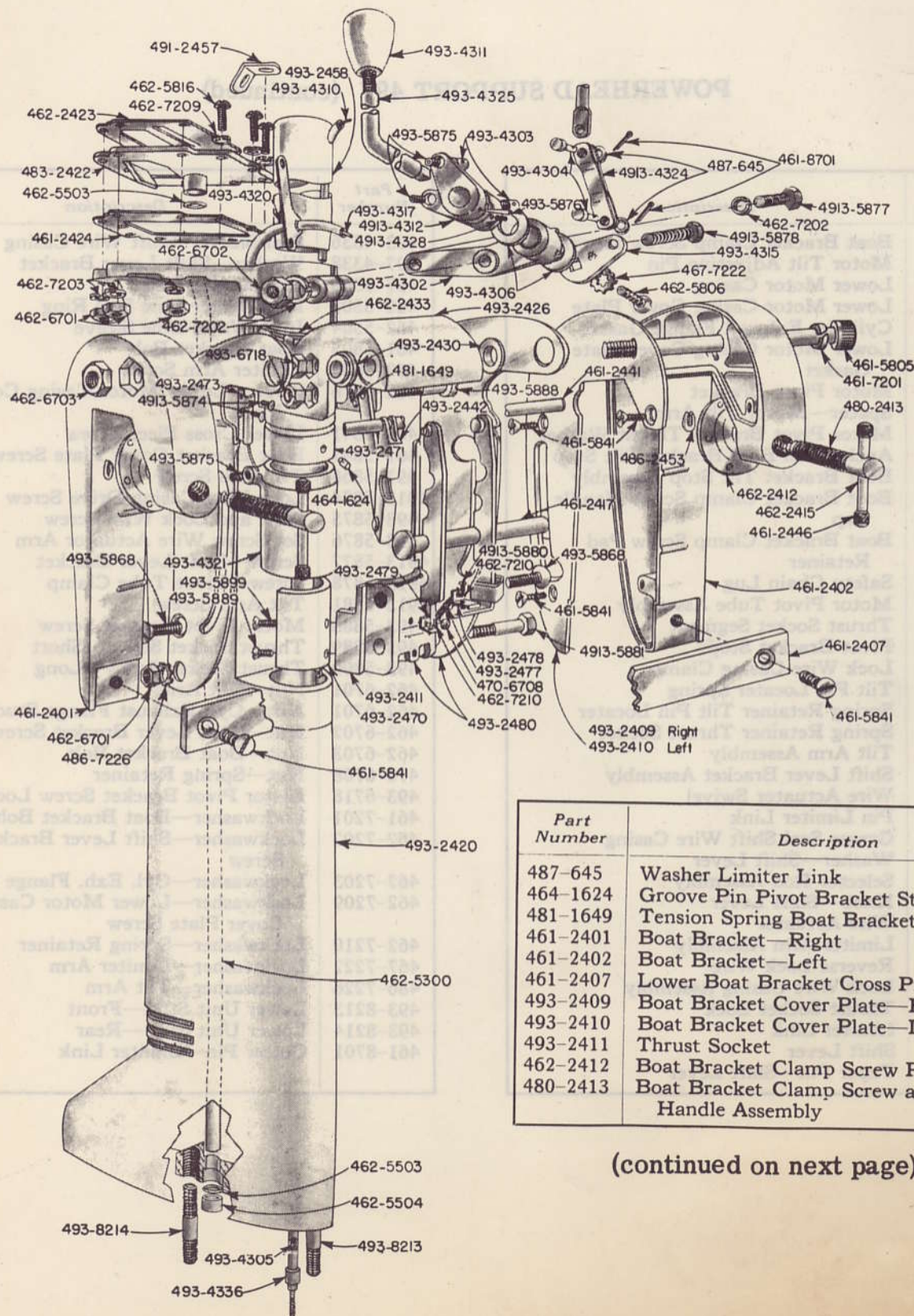
Part Number	Description
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5806	Limiter Arm Screw
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5874	Lock Wire Casing Drive Screw
493-5875	Set Screw—Thrust Socket Lock
493-5875	Shift and Lock Wire Screw
493-5876	Set Screw Wire Actuator Arm
4913-5877	Screw—Shift Lever Bracket
4913-5878	Screw—Pivot Tube Clamp
4913-5880	Spring Retainer Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
4911-6717	Lock Wire Casing Support Screw Nut
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
467-7222	Lockwasher—Limiter Arm
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
461-8701	Cotter Pin—Limiter Link

POWERHEAD SUPPORT 500 (continued from next page)

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Boat Bracket Clamp Screw Pad
480-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
480-3604	Steering Handle Spring
480-3617	Washer—Steering Spring Stud
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
480-5840	Motor Fivot Bracket Screw
461-5841	Lower Cross-Piece Screw

Part Number	Description
461-5841	Boat Bracket Cover Plate Screw
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

POWERHEAD SUPPORT 493



Part Number	Description
487-645	Washer Limiter Link
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
493-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly

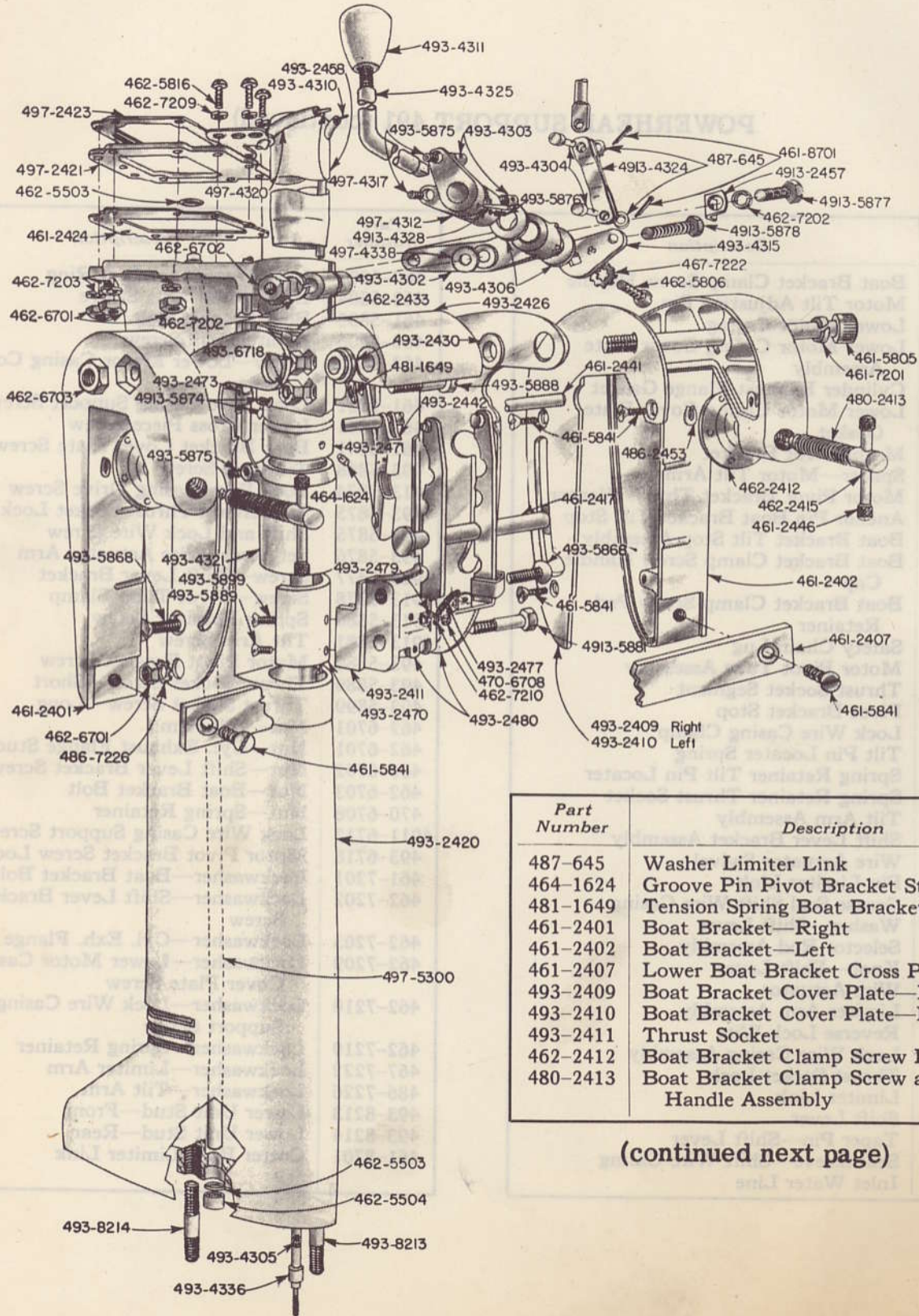
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POWERHEAD SUPPORT 497 (continued)

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
493-2420	Lower Motor Casing
497-2421	Lower Motor Casing Cover Plate
497-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
4913-2457	Safety Chain Lug
493-2458	Motor Pivot Tube Assembly
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2473	Lock Wire Casing Clamp
493-2477	Tilt Pin Locator Spring
493-2478	Spring Retainer Tilt Pin Locator
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
493-4302	Shift Lever Bracket Assembly
493-4303	Wire Actuator Swivel
493-4304	Pin Limiter Link
493-4305	Grease Seal Shift Wire Casing
493-4306	Washer—Shift Lever
493-4310	Selector Rod Assembly
493-4311	Knob—Shift Lever
497-4312	Wire Actuator
493-4315	Limiter Arm Assembly
497-4317	Reverse Lock Wire
497-4320	Lock Wire Casing Assembly
493-4321	Thrust Socket Lock
4913-4324	Limiter Link
493-4325	Shift Lever
4913-4328	Taper Pin—Shift Lever

Part Number	Description
493-4336	Seal Sleeve—Shift Wire Casing
497-4338	Washer—Shift Lever Bracket
497-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5806	Limiter Arm Screw
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5874	Lock Wire Casing Drive Screw
493-5875	Shift and Lock Wire Screw
493-5876	Set Screw Wire Actuator Arm
4913-5877	Screw—Shift Lever Bracket
4913-5878	Screw—Pivot Tube Clamp
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
467-7222	Lockwasher—Limiter Arm
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
461-8701	Cotter Pin—Limiter Link

POWERHEAD SUPPORT 497



Part Number	Description
487-645	Washer Limiter Link
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
493-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly

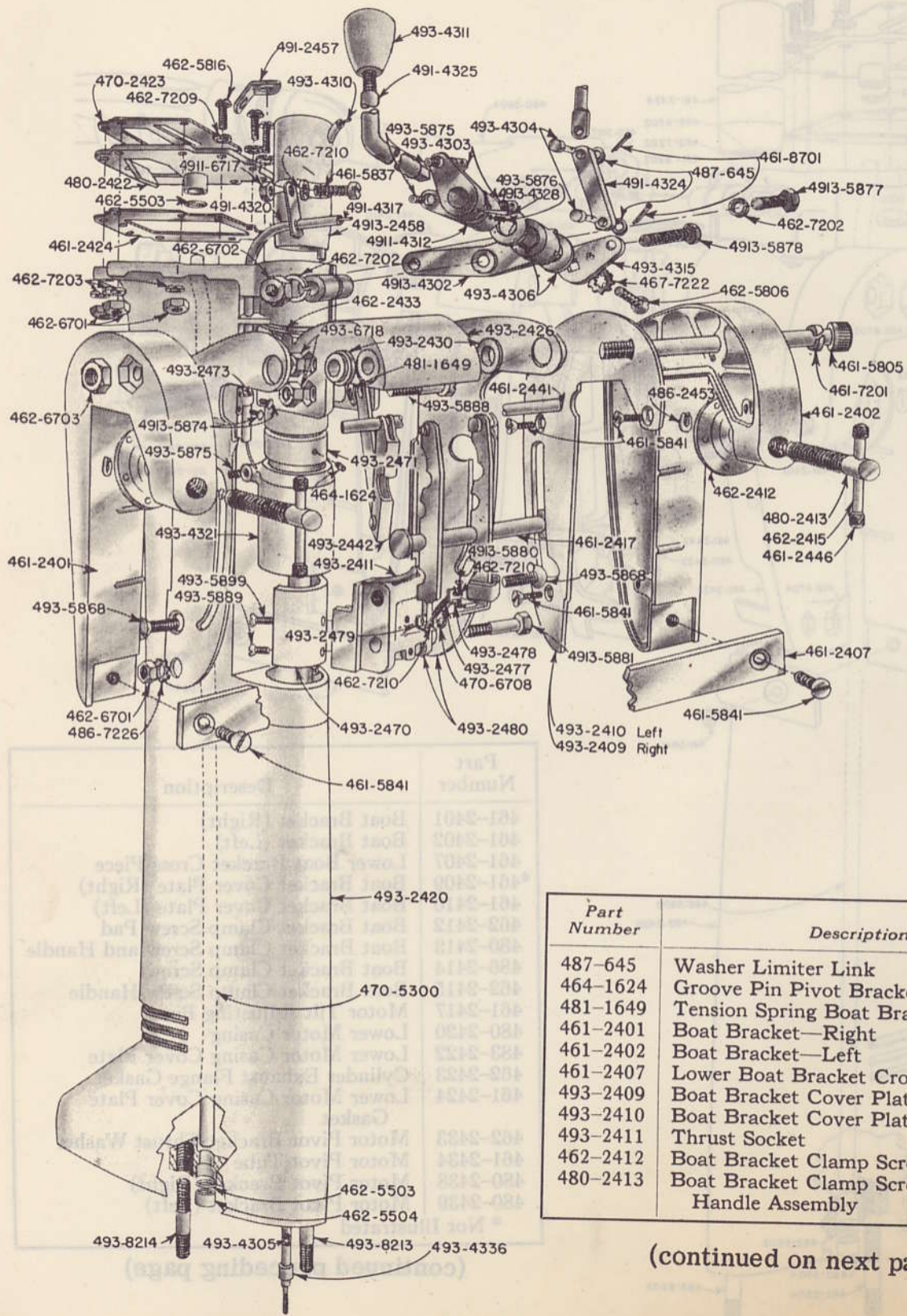
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POWERHEAD SUPPORT 491 (continued)

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
491-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate Assembly
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
491-2457	Safety Chain Lug
493-2458	Motor Pivot Tube Assembly
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2473	Lock Wire Casing Clamp
493-2477	Tilt Pin Locator Spring
493-2478	Spring Retainer Tilt Pin Locator
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
4913-4302	Shift Lever Bracket Assembly
493-4303	Wire Actuator Swivel
493-4304	Pin Limiter Link
493-4305	Grease Seal Shift Wire Casing
493-4306	Washer—Shift Lever
493-4310	Selector Rod Assembly
493-4311	Knob—Shift Lever
4911-4312	Wire Actuator
493-4315	Limiter Arm Assembly
491-4317	Reverse Lock Wire
491-4320	Lock Wire Casing Assembly
493-4321	Thrust Socket Lock
491-4324	Limiter Link
491-4325	Shift Lever
4913-4328	Taper Pin—Shift Lever
493-4336	Seal Sleeve—Shift Wire Casing
470-5300	Inlet Water Line

Part Number	Description
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5806	Limiter Arm Screw
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Lock Wire Casing Support Screw
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5874	Lock Wire Casing Drive Screw
493-5875	Set Screw—Thrust Socket Lock
493-5875	Shift and Lock Wire Screw
493-5876	Set Screw Wire Actuator Arm
4913-5877	Screw—Shift Lever Bracket
4913-5878	Screw—Pivot Tube Clamp
4913-5880	Spring Retainer Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
4911-6717	Lock Wire Casing Support Screw Nut
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Lock Wire Casing Support Screw
462-7210	Lockwasher—Spring Retainer
467-7222	Lockwasher—Limiter Arm
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
461-8701	Cotter Pin—Limiter Link

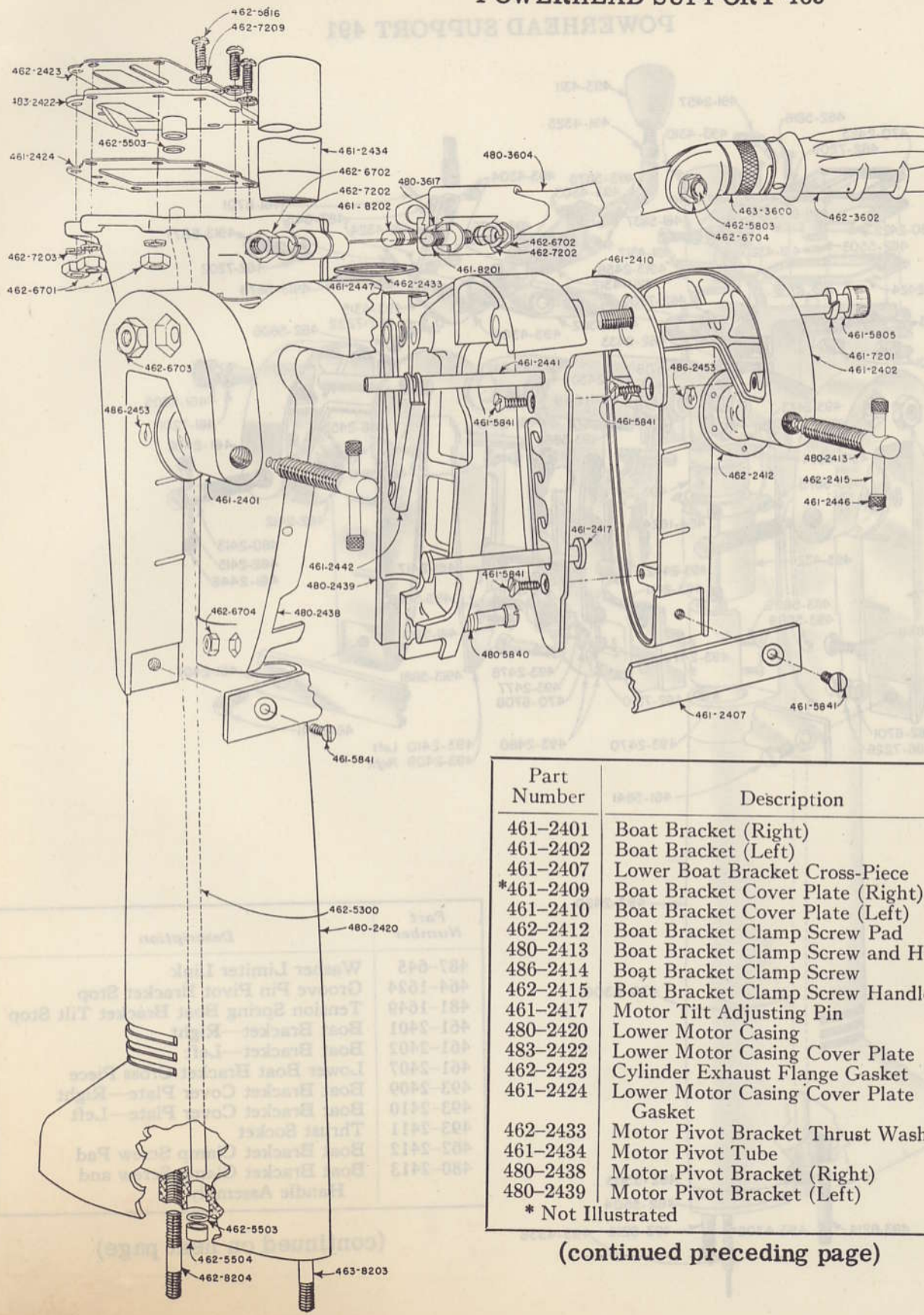
POWERHEAD SUPPORT 491



Part Number	Description
487-645	Washer Limiter Link
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
493-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly

(continued on next page)

POWERHEAD SUPPORT 483



Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
*461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle
486-2414	Boat Bracket Clamp Screw
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
480-2420	Lower Motor Casing
483-2422	Lower Motor Casing Cover Plate
462-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
480-2438	Motor Pivot Bracket (Right)
480-2439	Motor Pivot Bracket (Left)
* Not Illustrated	

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POWERHEAD SUPPORT 481 (continued)

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Boat Bracket Clamp Screw Pad
480-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
480-3604	Steering Handle Spring
480-3617	Washer—Steering Spring Stud
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
480-5840	Motor Pivot Bracket Screw
461-5841	Lower Cross-Piece Screw

Part Number	Description
461-5841	Boat Bracket Cover Plate Screw
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

POWERHEAD SUPPORT 483 (continued from next page)

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Boat Bracket Clamp Screw Pad
463-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
480-3604	Steering Handle Spring
480-3617	Washer—Steering Spring Stud
462-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
480-5840	Motor Pivot Bracket Screw
461-5841	Lower Cross-Piece Screw
461-5841	Boat Bracket Cover Plate Screw

Part Number	Description
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
462-6704	Lock Nut—Motor Pivot Bracket Screw
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

POWERHEAD SUPPORT 473 (continued)

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop.....
461-2442	Boat Bracket Tilt Stop Assembly.
461-2446	Boat Bracket Clamp Screw Handle Cap.....
461-2447	Tension Spring—Boat Bracket Tilt Stop.....
463-3600	Steering Handle and Grip Assembly.....
462-3602	Steering Handle Rubber Grip.....
461-3604	Steering Handle Spring.....
462-5300	Inlet Water Line.....
462-5501	Water Line Compression Nut.....
462-5502	Water Line Compression Sleeve.....
462-5503	Inlet Water Line Seal Ring.....
462-5504	Inlet Water Line Sleeve.....
462-5803	Steering Handle Hinge Bolt.....
461-5805	Bolt—Boat Bracket.....
462-5806	Retaining Screw for Clamp Screw Pad.....
462-5816	Lower Motor Casing Cover Plate Screw.....
461-5840	Motor Pivot Bracket Screw.....
461-5841	Lower Cross-Piece Screw.....
461-5841	Boat Bracket Cover Plate Screw.....

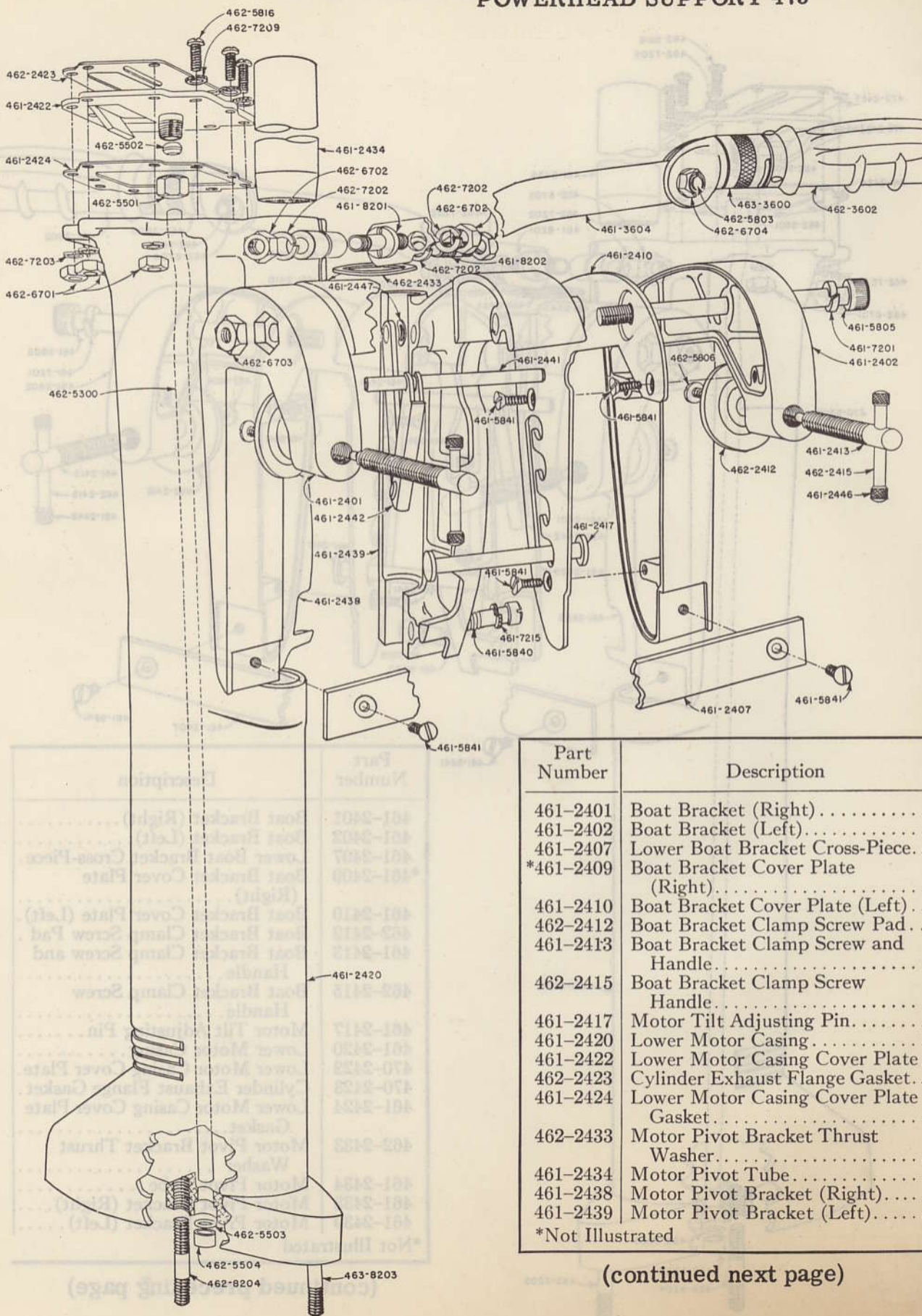
Part Number	Description
462-6701	Cylinder Exhaust Flange Stud Nut.....
462-6702	Steering Handle Spring Stud Nut.....
462-6702	Steering Handle Spring Shoulder Stud Nut.....
462-6703	Nut—Boat Bracket Bolt.....
462-6704	Steering Handle Hinge Bolt Lock Nut.....
461-7201	Lock Washer—Boat Bracket Bolt.....
462-7202	Lock Washer for Steering Handle Spring Stud Nut.....
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut.....
462-7203	Lock Washer for Cylinder Exhaust Flange Stud.....
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw.....
461-7215	Lock Washer—Motor Pivot Bracket Screw.....
461-8201	Steering Handle Spring Shoulder Stud.....
461-8202	Steering Handle Stud.....
463-8203	Lower Unit Stud (Front).....
462-8204	Lower Unit Stud (Rear).....

POWERHEAD SUPPORT 480 (continued from next page)

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Boat Bracket Clamp Screw Pad
480-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
480-3604	Steering Handle Spring
480-3617	Washer—Steering Spring Stud
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
461-5840	Motor Pivot Bracket Screw
461-5841	Lower Cross-Piece Screw
461-5841	Boat Bracket Cover Plate Screw

Part Number	Description
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-7215	L.W. for Motor Pivot Bracket Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

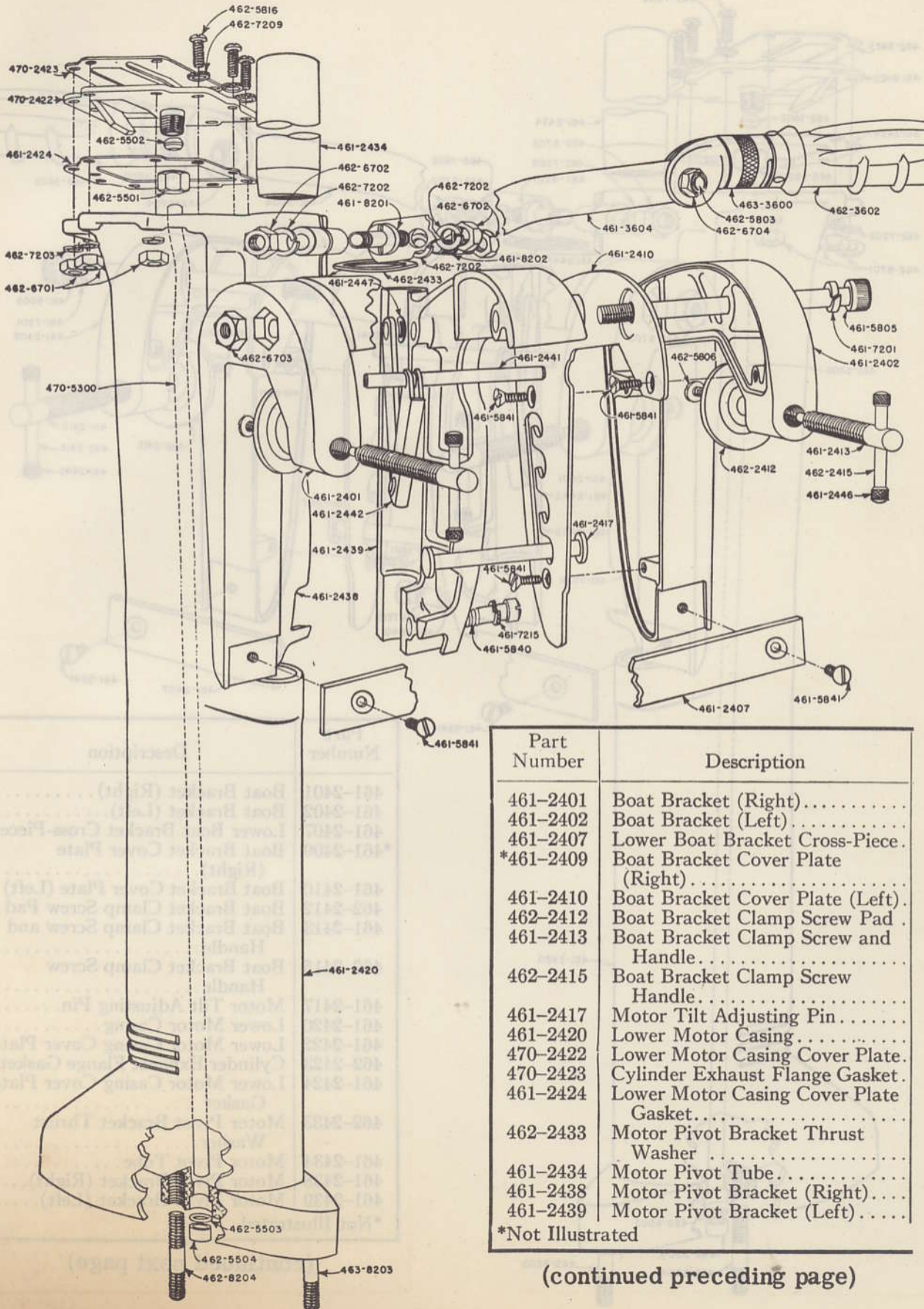
POWERHEAD SUPPORT 473



Part Number	Description
461-2401	Boat Bracket (Right).....
461-2402	Boat Bracket (Left).....
461-2407	Lower Boat Bracket Cross-Piece..
*461-2409	Boat Bracket Cover Plate (Right).....
461-2410	Boat Bracket Cover Plate (Left) ..
462-2412	Boat Bracket Clamp Screw Pad..
461-2413	Boat Bracket Clamp Screw and Handle.....
462-2415	Boat Bracket Clamp Screw Handle.....
461-2417	Motor Tilt Adjusting Pin.....
461-2420	Lower Motor Casing.....
461-2422	Lower Motor Casing Cover Plate..
462-2423	Cylinder Exhaust Flange Gasket..
461-2424	Lower Motor Casing Cover Plate Gasket.....
462-2433	Motor Pivot Bracket Thrust Washer.....
461-2434	Motor Pivot Tube.....
461-2438	Motor Pivot Bracket (Right).....
461-2439	Motor Pivot Bracket (Left).....
*Not Illustrated	

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POWERHEAD SUPPORT 470-471



Part Number	Description
461-2401	Boat Bracket (Right).....
461-2402	Boat Bracket (Left).....
461-2407	Lower Boat Bracket Cross-Pie.
*461-2409	Boat Bracket Cover Plate (Right).....
461-2410	Boat Bracket Cover Plate (Left).....
462-2412	Boat Bracket Clamp Screw Pad
461-2413	Boat Bracket Clamp Screw and Handle.....
462-2415	Boat Bracket Clamp Screw Handle.....
461-2417	Motor Tilt Adjusting Pin.....
461-2420	Lower Motor Casing.....
470-2422	Lower Motor Casing Cover Plate
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket.....
462-2433	Motor Pivot Bracket Thrust Washer.....
461-2434	Motor Pivot Tube.....
461-2438	Motor Pivot Bracket (Right)....
461-2439	Motor Pivot Bracket (Left).....
*Not Illustrated	

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POWERHEAD SUPPORT 461-467 (continued)

Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
*461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
461-2413	Boat Bracket Clamp Screw & Handle
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
461-2420	Lower Motor Casing
461-2422	Lower Motor Casing Cover Plate
462-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
461-2438	Motor Pivot Bracket—Right
461-2439	Motor Pivot Bracket—Left
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
463-3600	Steering Handle and Grip
462-3602	Steering Handle Rubber Grip
461-3604	Steering Handle Spring
462-5300	Inlet Water Line
462-5501	Water Line Compression Nut
462-5502	Water Line Compression Sleeve

Part Number	Description
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5806	Retaining Screw for Clamp Screw Pad
462-5816	Lower Motor Casing Cover Plate Screw
461-5840	Motor Pivot Bracket Screw
461-5841	Lower Crosspiece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Cylinder Exhaust Flange Screw
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	L.W. for Steering Handle Spring Stud Nut
462-7202	L.W. for Steering Handle Spring Shoulder Stud Nut
462-7203	L.W. for Cylinder Exhaust Flange Screw
462-7209	L.W. for Lower Motor Casing Cover Plate Screw
461-7215	L.W. for Motor Pivot Bracket Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

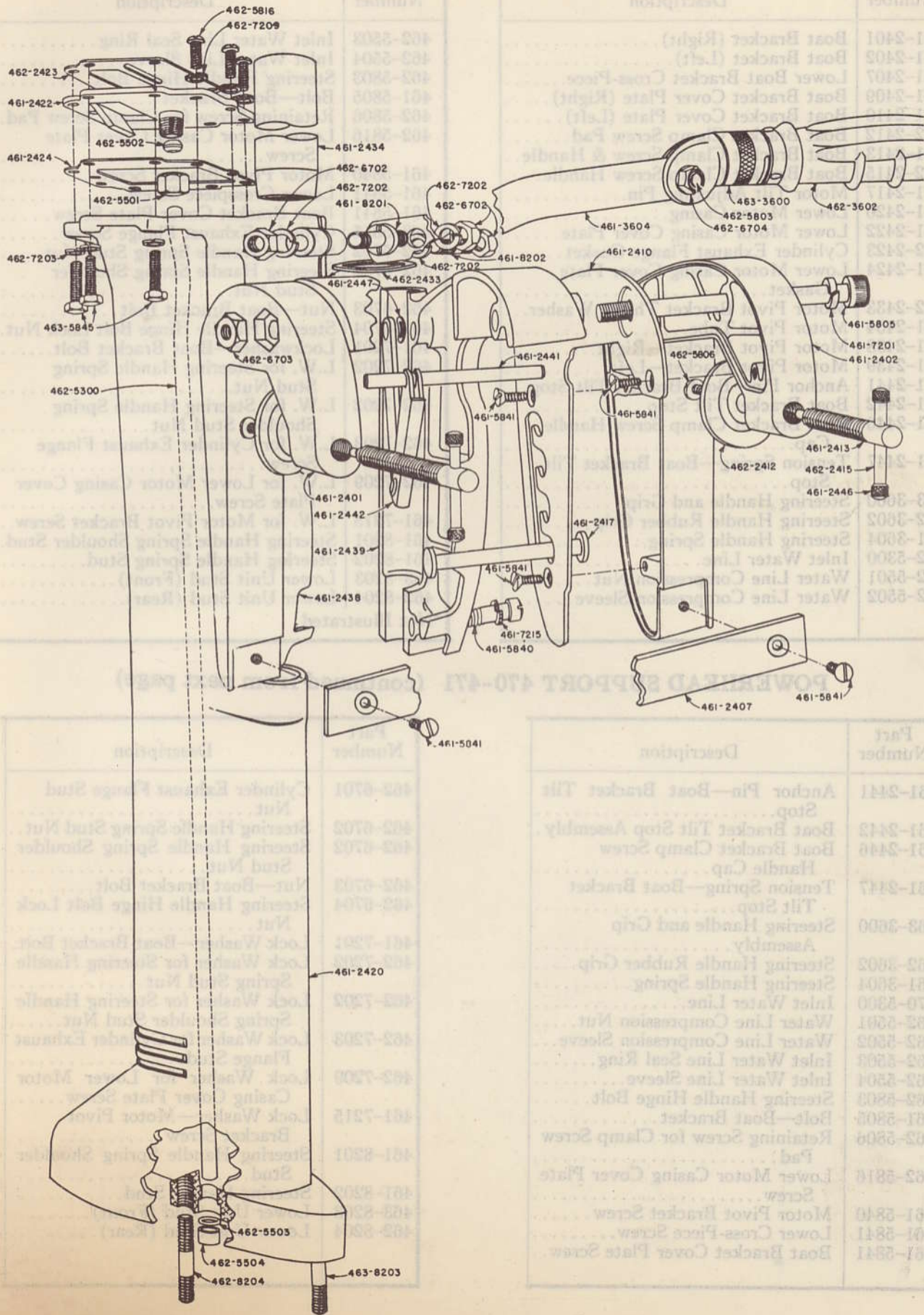
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POWERHEAD SUPPORT 470-471 (continued from next page)

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
463-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
461-3604	Steering Handle Spring
470-5300	Inlet Water Line
462-5501	Water Line Compression Nut
462-5502	Water Line Compression Sleeve
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5806	Retaining Screw for Clamp Screw Pad
462-5816	Lower Motor Casing Cover Plate Screw
461-5840	Motor Pivot Bracket Screw
461-5841	Lower Cross-Piece Screw
461-5841	Boat Bracket Cover Plate Screw

Part Number	Description
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-7215	Lock Washer—Motor Pivot Bracket Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

POWERHEAD SUPPORT 461-467



Part Number	Description
461-2411	Anchor Pin—Boat Bracket
461-2412	Boat Bracket The Stop Assembly
461-2418	Boat Bracket Clamp Screw
461-2417	Tension Spring—Boat Bracket The Stop
461-2410	Steering Handle and Grip Assembly
461-2403	Steering Handle Rubber Grip
461-2404	Steering Handle Spring
461-2400	Water Line
461-2401	Water Line Compression Nut
461-2402	Water Line Compression Sleeve
461-2403	Water Line Seal Ring
461-2404	Water Line Sleeve
461-2405	Steering Handle Hinge Bolt
461-2406	Boat Bracket
461-2407	Retaining screw for Clamp Screw
461-2408	Pad
461-2409	Lower Motor Casing Cover Plate
461-2410	Screw
461-2411	Motor Pivot Bracket Screw
461-2412	Lower Cross-Piece Screw
461-2413	Boat Bracket Cover Plate Screw

EXTENDED SHAFT '55 - 16 HP MODEL

A five inch extension of the powerhead support on the 16 HP motor can be obtained by completing the following:

- A. Replace 3955-2420 Lower Motor Casing with 3955-2-2420.
- B. Replace 3945-2901 Driveshaft with 3945-2-2901.
- C. Replace 509-4309 Shift Rod with 509-2-4309.
- D. Replace 3945-4350 Shift Rod Tube Assy. with 3945-2-4350.
- E. Replace 509-5300 Water Line with 509-2-5300.
- F. Replace 3945-5301 Inlet Line-Upper with 3945-2-5301.

EXTENDED SHAFT '55 - 30 HP MODEL

A five inch extension of the powerhead support on the 30 HP motor can be obtained by completing the following:

- A. Replace 3655-2516 Spring - Lower with 3655-2-2516.
- B. Replace 3645-2901 Driveshaft with 3655-2-2901.
- C. Replace 3645-3679 Spring - Upper with 3655-2-3679.
- D. Replace 3645-4308 Shift Rod with 3655-2-4308.
- E. Replace 3645-5300 Water Line with 3655-2-5300.
- F. Replace 3655-8213 Stud with 3655-2-8213.
- G. Add 3655-3189 Casing Extension.
- H. Add 3645-3213 Dowel
- I. Add 3655-6001 Screw
- J. Add 3655-6002 Screw
- K. Add 3655-6701 Nut-Rear Stud
- L. Add 3655-8214 Stud-Rear

The complete 30 HP Extended Shaft assembly can be obtained by ordering part number SK-7270.

EXTENDED SHAFT '56 - 33 HP MODEL

A five inch extension of the powerhead support on the 33 HP motor can be obtained by completing the following:

	<u>Quantity</u>	<u>Req'd</u>
Replace 3645-3679 Spring - Upper with 3655-2-3679	(2)	
Replace 3655-2516 Spring - Lower with 3655-2-2516	(2)	
Replace 3645-6720 Nut with 462-6703	(1)	
Replace 3665-5300 Water Line with 3665-2-5300	(1)	
Replace 3645-2901 Driveshaft with 3655-2-2901	(1)	
Replace 3645-4308 Shift Rod with 3655-2-4308	(1)	
Replace 3655-8213 Stud with 3655-2-8213	(1)	
Replace 2655-5815 Screw with 3665-8214	(2)	
Add 3655-3189 Extension - Motor Casing	(1)	
Add 3645-3213 Dowell - Extension to Casing	(1)	
Add 3655-6001 Screw - Extension to Casing	(4)	
Add 3655-6701 Nut - Rear Stud	(2)	

All parts shown above can be purchased in kit form. Order Part No. SK-7640

EXTENDED SHAFT '54 - 10 HP MODEL

A six inch extension of the Powerhead Support on the 10 HP motor can be obtained by completing the following:

- A-Replace 3745-5300 Lower Section Water Line with 3845-2-5300.
- B-Replace 3745-4310 Shift Rod with 3845-2-4310.
- C-Replace 3845-2901 Driveshaft with 3845-2-2901.
- D-Replace 3745-2420 Lower Motor Casing with 3845-2-2420.

EXTENDED SHAFT '54 - 16 HP MODEL

A six inch extension of the Powerhead Support on the 16 HP motor can be obtained by completing the following:

- A-Replace 509-5300 Water Line with 509-2-5300.
- B-Replace 509-4309 Shift Rod with 509-2-4309.
- C-Replace 3945-4350 Shift Rod Tube Assembly with 3945-2-4350.
- D-Replace 3945-2901 Driveshaft with 3945-2-2901.
- E-Replace 3945-2420 Lower Motor Casing with 3945-2-2420
- F-Replace 3945-5301 Inlet Line-Bailer with 3945-2-5301

REVERSE LOCK HOOK ASSEMBLY - 16 HP

Field reports indicate that occasionally the Reverse Lock Hook Assembly on the 16 HP motor is not properly centered in the boat brackets, thus the lock will not engage when the motor is shifted into reverse. This can be corrected by inserting 3935-2430 boat bracket bolt washer(s) as required, on the bracket bolt separating the pivot bracket from the boat brackets, centering the reverse lock assembly.

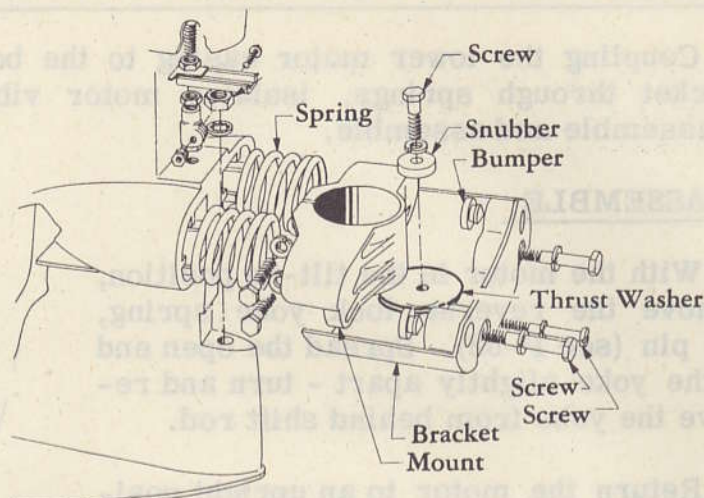
If the Reverse Lock Hook Assembly (509-4360) has become damaged and requires replacement it is necessary to remove the lower unit. First remove the shift rod connection from the shift rod at the top of the lower motor casing. This is done by unscrewing the connection approximately eight turns (See Sect. C-8). Remove the four bolts holding the lower unit to the lower motor casing and pull the lower unit off. Replace the reverse lock. Bolt the lower unit in place and attach the shift rod connection.

POWERHEAD SUPPORT - 30 & 33 HP

The powerhead support may be removed with the powerhead remaining fixed to the handle and mount assembly.

DISASSEMBLY

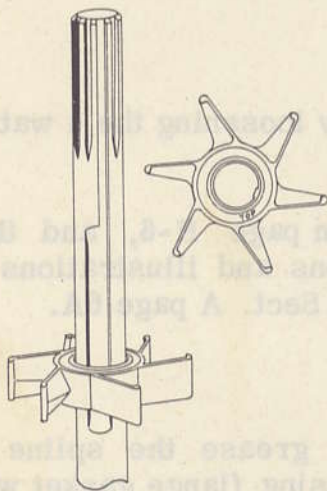
1. With the motor in an upright position, remove the 3 lower spring mount bracket screws, and washers.
2. Remove the 2 springs.
3. Remove the 13 screws and washers attaching the lower motor casing to the powerhead.
4. Lower the complete assembly, disengaging the driveshaft from the powerhead.



Lower Spring Mount—30-33 HP

TO DISASSEMBLE BAILER AND WATER PUMPS loosen the set screw attaching the shift actuator assembly to the shift lever shaft. Remove the shift handle and shaft.

1. Remove bailer inlet and outlet lines.
2. Remove the 4 pump body screws and washers.
3. Lift all pump parts upward, off the drive-shaft. Always replace impellers appearing set or worn.



Impeller Installation—30-33 HP

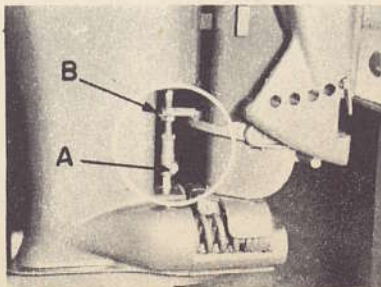
ASSEMBLY

A long key way is provided in the driveshaft (as shown at the left), for the impellers.

1. Coat the pump bodies with a liberal amount of water pump grease.
2. Insert the impellers with the word TOP showing upward. Consult the parts pages of this section for correct placement of seals.

3. Assemble pumps and powerhead support in reverse order of disassembly shown above. Use Permatex on all gaskets.

Shift rod linkage is adjustable by screwing the shift rod coupling (A) to the desired height on the upper shift rod, and tightening the locking nut against the coupling.



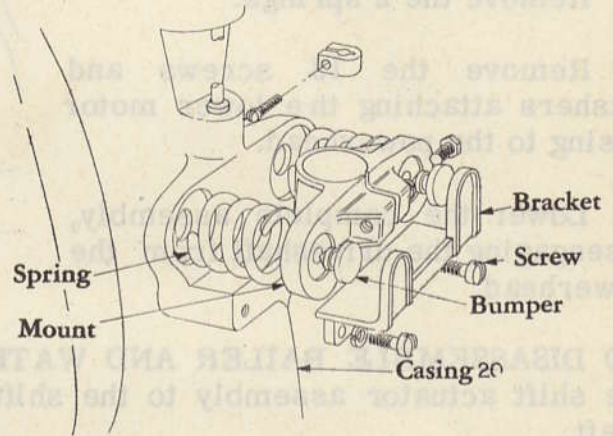
The reverse lock actuator (B) is adjusted to the proper setting by loosening and tightening the nuts above and below the actuator on the shift rod.

SPRING MOUNT - 5- 7 1/2 - 10 HP - 1955 1956 AND 16 HP - 1956

Coupling the lower motor casing to the bottom end of the pivot tube and boat bracket through springs, isolates motor vibration, and is extremely easy to disassemble and assemble.

DISASSEMBLE

1. With the motor in the tilt-up position, remove the reverse lock yoke spring, and pin (see P-62). Spread the open end of the yoke slightly apart - turn and remove the yoke from behind shift rod.
2. Return the motor to an upright position. Remove the 2 lower spring-mount bracket screws, and bracket.
3. Remove the 2 motor mount springs.
4. Remove the 10 screws and washers at the lower motor casing flange, freeing the complete powerhead support from the powerhead and boat bracket.



Lower Spring Mount 5, 7 1/2 and 10 HP

The exhaust valve may be removed at any time by loosening the 4 water-inlet cover plate screws.

Remove the water and bailer pumps as shown on page H-6, and the shift actuator assembly as shown on page H-7. Instructions and illustrations for installing the Fresh Water Flushing Adaptor are given in Sect. A page 6A.

ASSEMBLY

Assemble by reversing the above steps. Always grease the spline on the driveshaft, and use Permatex on the lower motor casing flange gasket when re-assembling. Apply a liberal amount of water pump grease on the impellers.

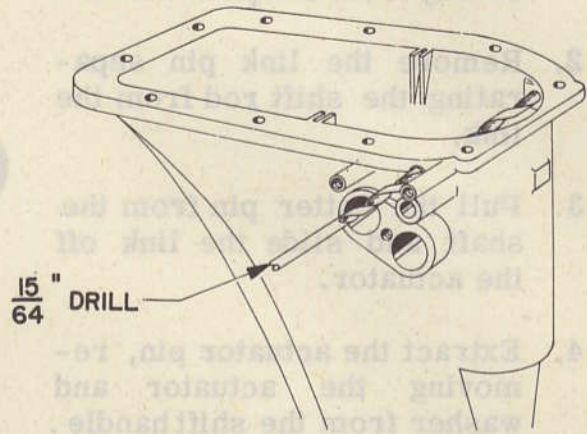
1954 LOWER MOTOR CASING MODIFICATION 5 - 7 - 1/2 & 10 HP FOR PIVOT SHAFT

Cases have been noted where the pivot shaft breaks out of the boss on the side opposite the shift handle of the 5, 7 1/2 and 10 HP models of 1954.

As a fix, or as a preventative measure, remove the lower motor casing, shift detent, and pivot shaft. Using a 15/64" drill (6" minimum length) extend it through the hole for the pivot shaft on the shift handle side, and into the boss on the opposite side (see illustration). Drill until the bit breaks through the casing.

Replace the 3745-4399 pivot shaft (3-11/16" long), with the new 3755-4399 pivot shaft (4-3/32" long).

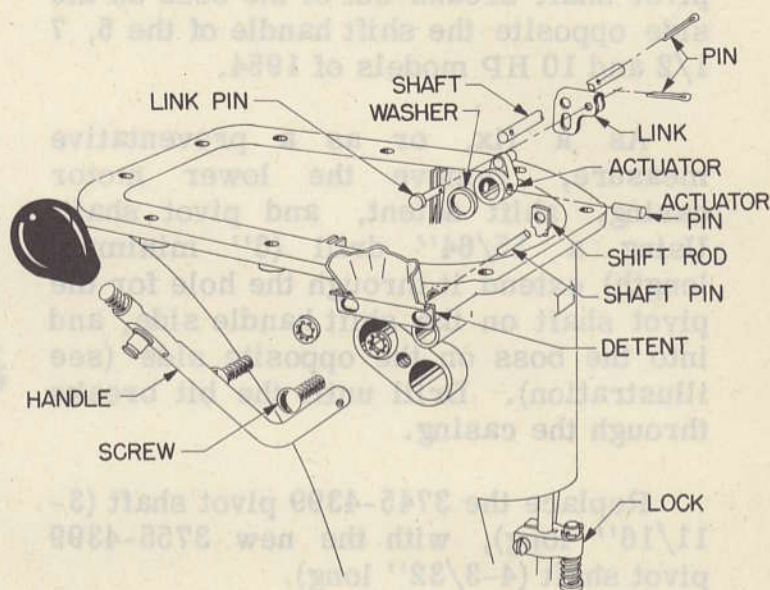
Replace shift detent and lower motor casing.



'54 SHIFT ACTUATOR ASSEMBLY 5 - 7 1/2 - 10 HP MODELS

DISASSEMBLE

1. Remove the lower motor casing from the powerhead.
2. Remove the link pin separating the shift rod from the link.
3. Pull the cotter pin from the shaft and slide the link off the actuator.
4. Extract the actuator pin, removing the actuator and washer from the shift handle. The handle can then be removed.
5. Loosen the two shift detent screws and remove the detent.
6. Remove the shaft pin located behind the shift detent. Slide the shaft part way out, remove the link then complete the removal of the shaft.



Shift Actuator Assembly

ASSEMBLY

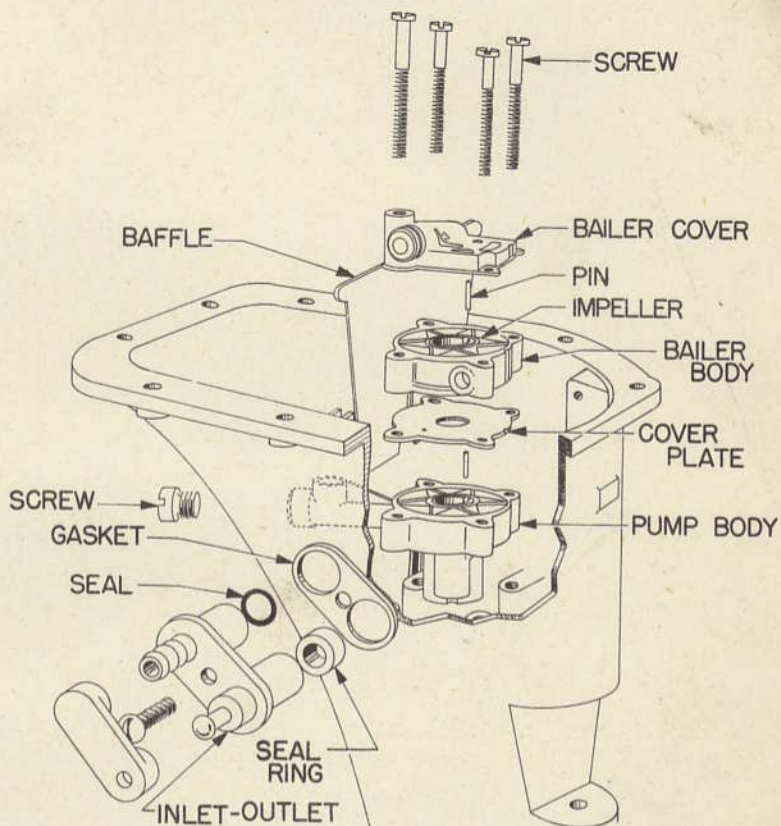
1. With the actuator shaft part way in, attach the link. Slide the shaft the rest of the way in and insert the shaft pin.
2. Replace the shift detent.
3. Set the shaft handle in place. Slide the washer and actuator onto the handle and insert the actuator pin.
4. Put the link in place on the Actuator. Replace the cotter pin in the shaft, holding the link in position.
5. Attach the shift rod to the link by inserting the link pin and cotter pin.
6. Grease the driveshaft end and bolt the lower motor casing in place on the power head.

When disassembling or assembling, be sure to remove any part that may fall into the casing. If necessary invert the unit and shake the fallen parts out.

With the introduction of Bail-A-Matic, the lower unit motor casing becomes more than an exhaust passage as it now contains working parts. The cooling system water pump, along with the bailer pump is now located in the upper portion of this casing.

DISASSEMBLE

1. After detaching the lower motor casing from the power-head, remove the shift actuator assembly as shown on page H7.
2. Remove the bailer Inlet-Outlet fitting and the flushing screw from the outside of the casing.
3. Loosen the four pump body screws.
4. Remove the bailer cover, seal ring and impeller.
5. The impeller drive pin must be removed from the shaft before removing the bailer body.

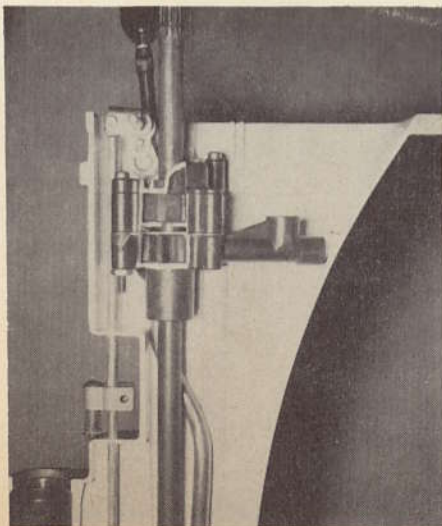


Water and Bailer Pumps

6. Remove the water pump cover plate (including the seal rings above and below), impeller, drive pin, baffle plate and pump body in that order.

ASSEMBLE

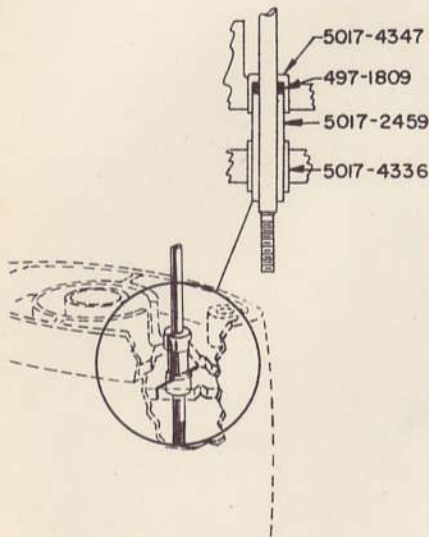
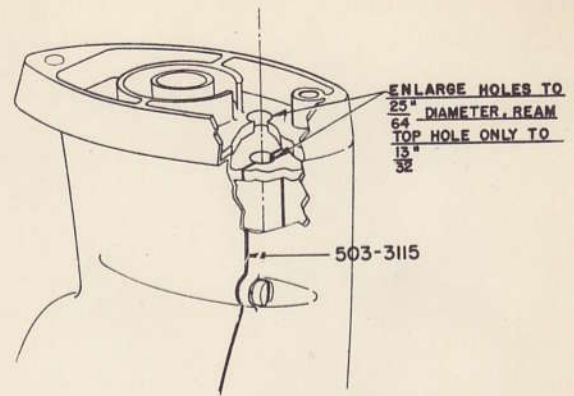
When assembling, reverse the above procedure.



Cutaway View — Lower Motor Casing

The word TOP appears on one side of the impeller and should be so installed. Be sure the seal rings are in good condition and in place as any loss of pressure will result in less pumping. Also, the bleeder hole on the pump cover plate must be on the RIGHT side of the pump. (A groove on the front of the plate lines up with the groove on the front of the bailer body).

8. Clamp the two lower unit castings together with the gasket in place and drill out the shift rod hole to 25/64 inch.
9. Ream out the top hole (in the Lower Unit Body only) to 13/32.
10. Remove the cap and clean out all chips and shavings caught in the grease.



11. Force the knurled brass gland into the top hole with the small end up. Insert from the bottom.
12. Assemble the lower unit and driveshaft on the lower motor casing with the shift rod passing through the gland. Slide the "O" ring on the shift rod and push it up into the gland with the aluminum sleeve.
13. Coat the outside of the neoprene seal sleeve with gasket cement and push it on the aluminum sleeve until it rests in the half hole in the lower unit.
14. See Sect. G-5 and 6 for reassembling the lower unit.

15. Replace the powerhead and the motor is ready to run.

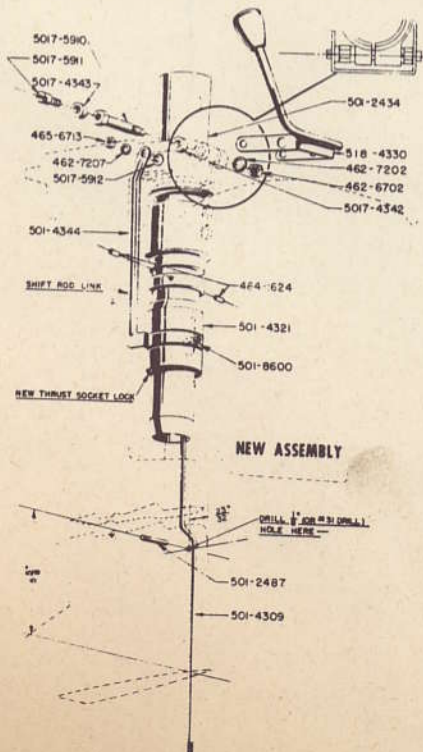
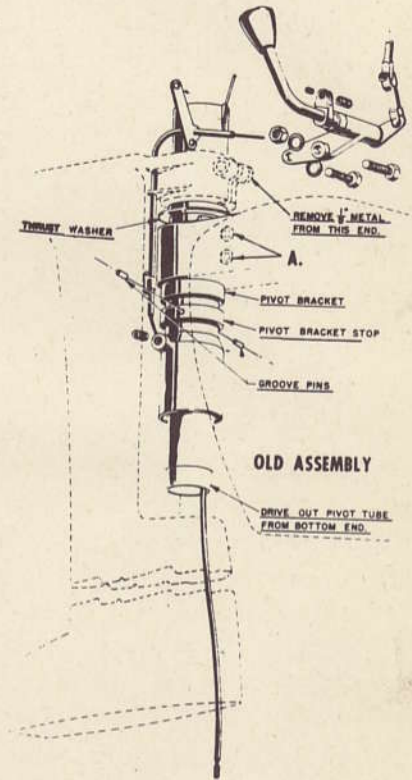
The shift limiting mechanism has been removed on all present production because it is not needed. Tell the customer that this limiter has been removed and advise him to slow the motor down before shifting.

PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
464-1624	Groove Pin - Pivot Bracket Stop	5017-4343	Spacer - Gear Shift Yoke
497-1809	"O" Ring Seal	501-4344	Shift Rod Link
501-2434	Motor Pivot Tube	5017-4347	Gland - Shift Rod Sleeve
5017-2459	Sleeve - Shift Rod	5017-5910	Pivot Tube Clamp Screw
501-2487	Groove Pin	5017-5911	Yoke Pivot Screw
503-3115	Lower Unit Cap Gasket	5017-5912	Screw - Shift Rod
501-4309	Shift Rod	462-6702	Nut
501-4321	Lock - Thrust Socket	465-6713	Nut
518-4330	Shift Lever	462-7202	Lockwasher
5017-4336	Seal - Shift Rod Sleeve	462-7207	Lockwasher
5017-4342	Spacer	501-8600	Cotter Pin

1949 SHIFT CONVERSION KIT
 (Order kit of parts needed by Part No. 493-4394,

The wire type of shift actuation used on 1949 SHIFT models does give trouble in that the owner can put the shift out of adjustment by forcing the shift lever. Chronic complaints can be corrected by converting to the solid rod type of shift mechanism as explained below. We suggest charging list price for parts, plus two hours' labor for making this change.

1. Remove entire powerhead (not necessary to remove skirts separately), lower unit, lock wire casing, shift lever and bracket assembly.
2. Remove groove pins from pivot tube stop, loosen pivot bracket screws (A), and drive out pivot tube with a long punch inserted from the bottom of the lower motor casing.
3. File off 1/8 inch of metal from the bracket bosses on the left or port side of the motor. Remove enough metal so that the yoke of the new shift lever assembly will clear the casing.
4. Slide the new pivot tube into position, using the old thrust washer, pivot bracket and pivot bracket stop. Install the new thrust socket lock with the shoulder on the bottom. Turn the tube until the upset section fits into the slot in the casing and force the tapered end into the seat. Lock the pivot bracket stop in position with the tapered pins.



5. Install the shift lever yoke and shift rod link as shown.
6. Drill a 1/8 inch hole through the lower motor casing 5-5/8 inches up from the bottom surface and 23/32 inch back from the leading edge. Insert the drive pin in this hole.
7. Slip the shift rod between the drive pin and housing and thread the bent end through the pivot tube slot, the hole in the thrust socket lock and the shift rod link. Insert the cotter pin in the end of the shift rod.

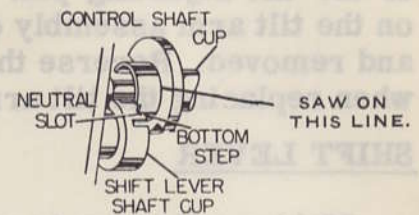
The shift lever assembly can be removed by removing the yoke pivot screw, Part No. 5017-5911, and the two bolts that fasten the yoke to the shift rod link. There are two adjustments to be made in this linkage, one when attaching the lower unit and the other when installing the limiter rod. Consult Section B for details.

REMOVING THE SHIFT LIMITERS

The shift limiting mechanism has been removed on all models in the 1951 line. We still advise all owners to limit the engine speed when shifting, however, this gives the owner simplicity in operation and greater speed in reverse and neutral.

Owners of older shift motors may ask to have the limiters removed. On models up to 7 1/2 HP, just remove the limiter rod and linkage. When taking the limiter rod off the '49 models, leave the limiter arm on the shift lever, otherwise the lever will pull out of the bracket. Adjust the shifting mechanism so that the pin in the limiter arm is midway between the stops when the lower unit is in neutral.

On the 16 HP model, remove the carrying and steering handle from the motor and saw off that portion of the limiter attached to the control shaft pulley assembly. You need not disassemble the unit, just thread the hacksaw blade into position, clamp the blade in a frame and saw the cup off.

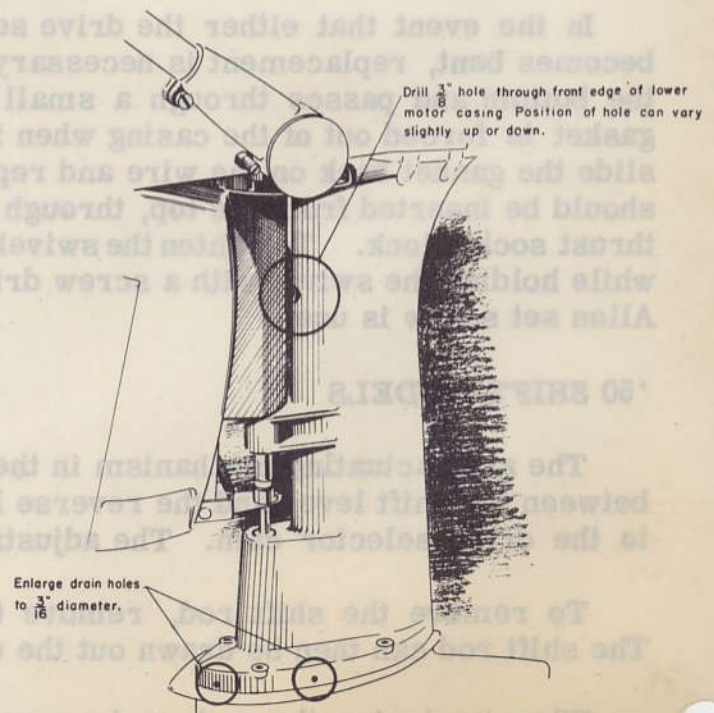


STARBOARD VIEW OF INTERLOCKING CONTROL CUPS

MODIFICATION OF MODEL 509 LOWER MOTOR CASING

Reports from the field indicate that water enters the lower cylinder on some of the model 509 motors. This is caused by a build up of pressure in the lower motor casing which forces water through the lower main bearing into the lower cylinder. Providing adequate drainage of the driveshaft cavity, as shown, will eliminate this difficulty.

It is not necessary to disassemble any parts. Swing the motor to one side and drill the tophole as close to the pivot bracket as possible. The two holes just above the splash plate should be enlarged to 3/16". **BE SURE THIS CHANGE IS COMPLETED ON EVERY 509 MODEL THAT COMES IN, REGARDLESS OF WHETHER DIFFICULTY HAS BEEN EXPERIENCED.**



TILT ADJUSTMENT

If the notches for the tilt pin show undue signs of wear or possible fracture, the part should be replaced. On '48 models and older, the boat bracket cover plate should be replaced. On '49 and '50 models the tilt arm assembly should be replaced. Early 491 and 493 models were equipped with a tilt arm assembly that was changed slightly in models manufactured later in 1949. If the motor will not stay in the position of greatest tilt, this assembly should be replaced. To remove the tilt arm assembly, remove the boat bracket bolt, loosen one end of the cross piece that goes between the bottom ends of the boat bracket clamps, and manipulate each boat bracket until it is free of the tilt adjusting pin. The upper arms on the tilt arm assembly can then be spread and removed. Reverse the above procedure when replacing the tilt arm assembly.



Replacing tilt arm assembly.

SHIFT LEVER

Making adjustments on the shift is covered in Section B. Aside from these adjustments, very little need ever be done to service the shift.

'49 SHIFT MODELS

In the event that either the drive selector rod or reverse lock wire breaks or becomes bent, replacement is necessary. The drive selector rod is inserted from the bottom and passes through a small rubber gasket in the rod's casing. If this gasket is forced out of the casing when inserting a new wire, remove the wire and slide the gasket back on the wire and replace in the casing. The reverse lock wire should be inserted from the top, through the swivel, down through the casing to the thrust socket lock. To tighten the swivels, use a #8 Bristol multiple spline wrench, while holding the swivel with a screw driver. On some early '49 models, a 5/64" Allen set screw is used.

'50 SHIFT MODELS

The shift actuating mechanism in the '50 models is composed of a steel linkage between the shift lever and the reverse lock, and a steel rod from the reverse lock to the drive selector cam. The adjustments necessary are covered in Section B.

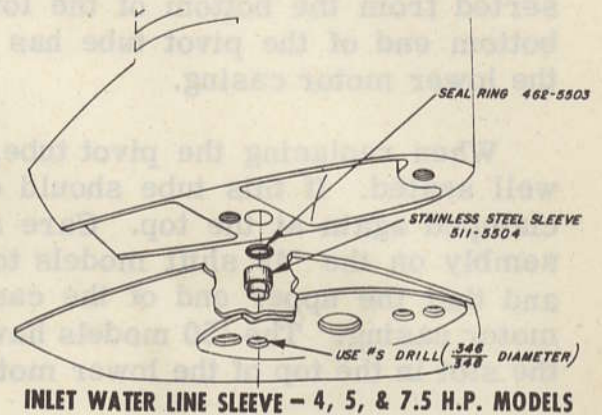
To remove the shift rod, remove the cotter pin in front of the reverse lock. The shift rod can then be drawn out the upper end of the pivot tube.

When replacing the rod, make sure it is in front of groove pin, Part No. 501-2487, or between pin and front of lower motor casing.

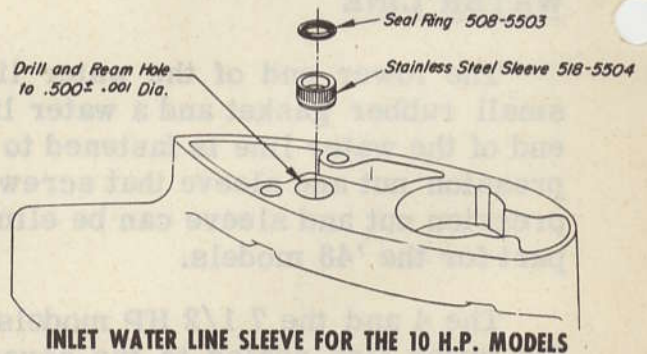
STAINLESS STEEL WATER LINE SLEEVE

An electrolysis action sets in when two dissimilar metal parts adjacent to one another are exposed to salt water. As a result, a deposit of corroded material builds up to form a greater volume than the original metals. Because of this phenomenon, a motor may quit pumping water because the water lines have clogged up. Usually this happened at the point where the copper water line passes through an aluminum grommet, through an aluminum anticavitation plate, and into a stainless steel water pump cavity. To prevent this problem, the grommet has been changed to stainless steel and designed so that aluminum does not touch the water line at the outlet from the pump.

On all models below 10hp, remove the old aluminum sleeve and seal ring and insert the new stainless steel sleeve as shown. If the seal ring has not been damaged, it can be reused. Hold the anticavitation plate and water pump cavity cover together and enlarge the hole as specified. Be sure the holes line up, then reassemble the lower unit.



For 10 hp models, drill and ream out inlet water line hole as shown and press the stainless steel sleeve into the pump housing. The top of the sleeve should be from .063 to .078 of an inch below the surface of the pump housing at allow room for the seal ring.



The stainless steel sleeves are standard equipment on late 1951 and 1952 models.

POWER HEAD SUPPORT

The entire powerhead is removable from the lower motor casing or exhaust housing by removal of the six nuts (or bolts, as the case may be) located immediately under the powerhead mounting flange on the lower motor casing. The lower motor casing contains no working or wearing parts - it simply provides an exhaust passage and a housing for the driveshaft from the powerhead to the lower unit.

PIVOT TUBE

To remove the pivot tube, loosen the bolt that clamps it at the top, loosen the pivot bracket steering tension screws and drive the tube out with a long punch inserted from the bottom of the lower motor casing. After the tapered seat on the bottom end of the pivot tube has been loosened, the tube will readily slide out of the lower motor casing.

When replacing the pivot tube, tap or press it in until the tapered end is again well seated. If this tube should ever work loose it should be forced back in and clamped again at the top. Care should be used when replacing the pivot tube assembly on the '49 shift models to see that the selector rod casing is not damaged and that the upper end of the casing comes out in the slot in the top of the lower motor casing. The '50 models have a projection in the top of the tube that fits into the slot in the top of the lower motor casing.

WATER LINE

The lower end of the water line is sealed in the lower motor casing with a small rubber gasket and a water line sleeve. On the '46 and '47 models the upper end of the water line is fastened to the lower motor casing cover plate with a compression nut and sleeve that screws on to a fitting riveted to the plate. This compression nut and sleeve can be eliminated by replacing the cover plate with the like part for the '48 models.

The 4 and the 7 1/2 HP models made in '48, '49, and '50 have the upper end of the water line sealed to the cover plate with the same rubber gasket used on the lower end. The 5 HP model has the water line sealed directly to the cylinder block with the rubber gasket. This end of the water line must be guided in place when putting on the powerhead for the '49 model.

It is important that the water line is sealed at both ends to ensure an adequate supply of cooling water to the powerhead.

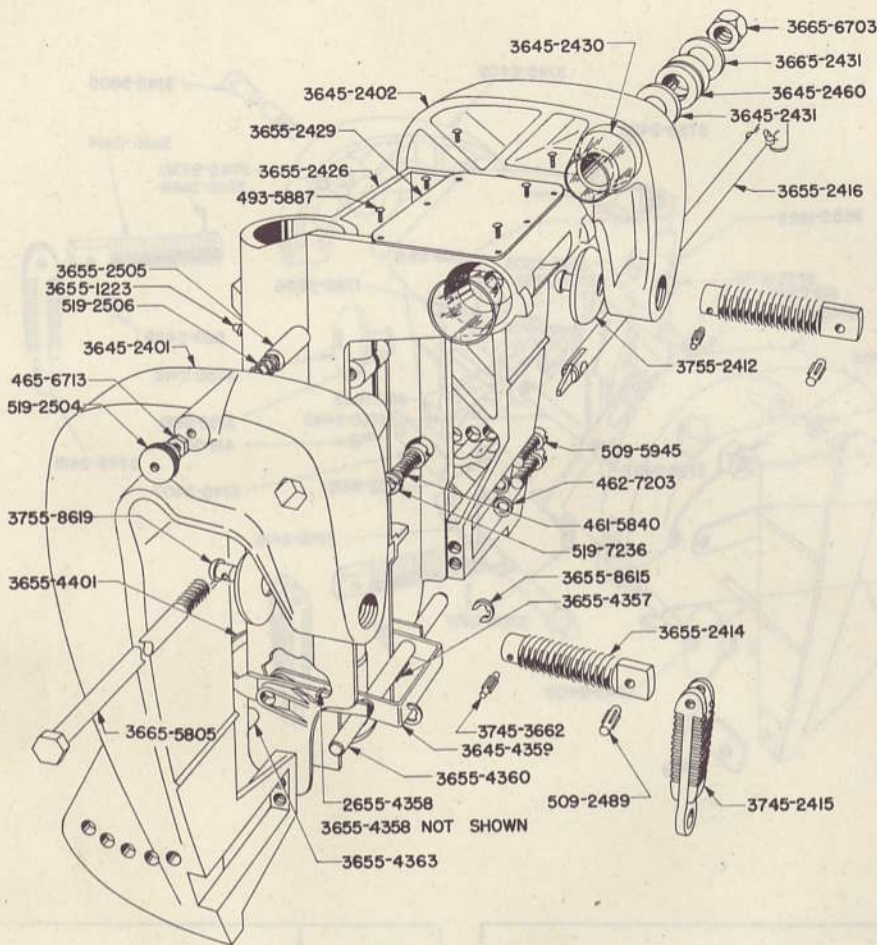
SCOTT-ATWATER SERVICE MANUAL

SECTION H - POWERHEAD SUPPORT

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BOAT BRACKET-3665

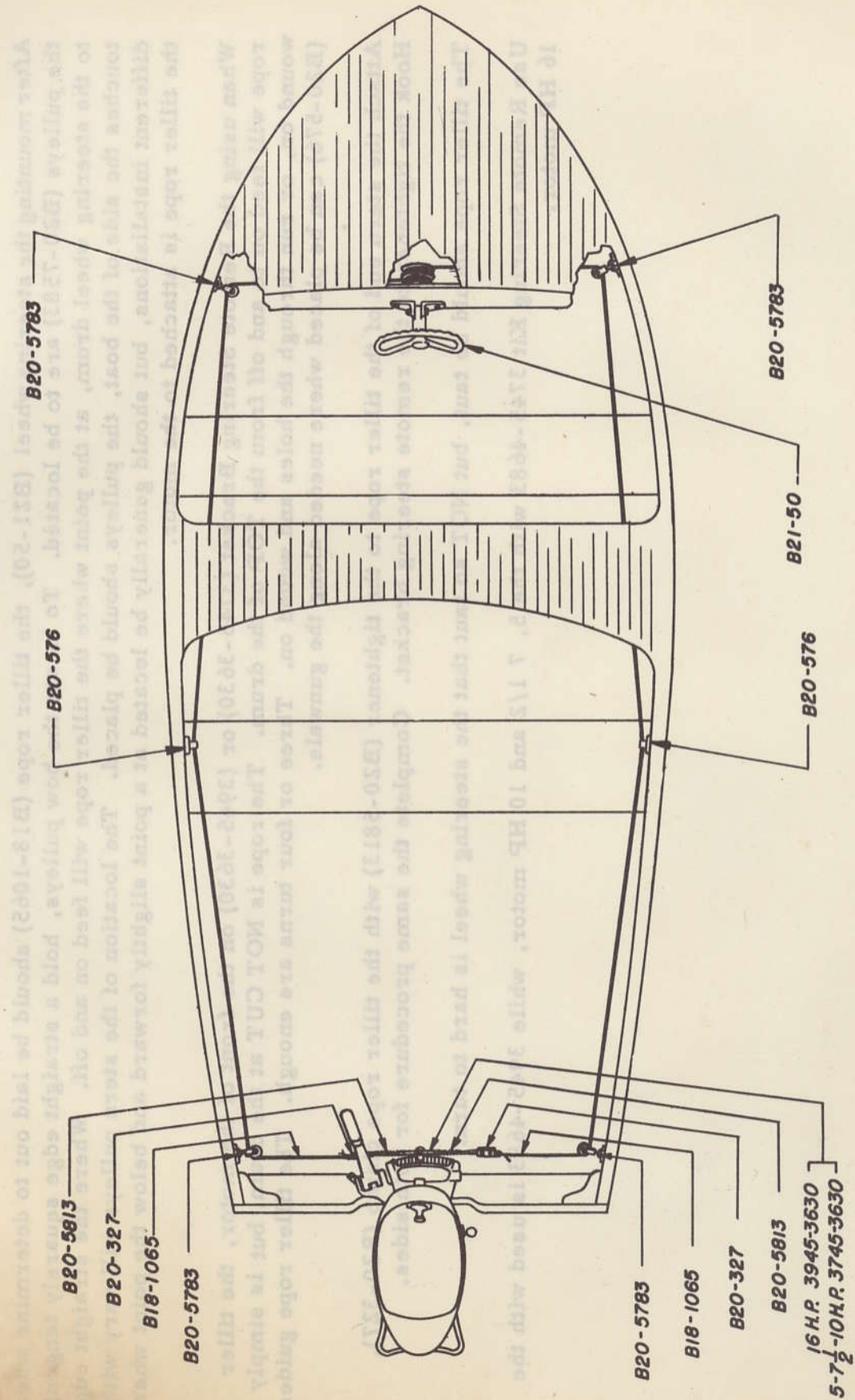


Part Number	Description
3655-1223	Fitting—Grease
3645-2401	Bracket—R.
3645-2402	Bracket—L.
3755-2412	Pad—Clamp Screw
3655-2414	Clamp Screw
3745-2415	Clamp Screw—Handle
3655-2416	Tilt Pin Assy.
3655-2426	Pivot Bracket
3655-2429	Cover Plate
3645-2430	Cone—Tilt Friction
3645-2431	Washer—Brkt. Bolt
3665-2431	Washer—Brkt. Bolt
3645-2460	Spring—Tilt Pressure
509-2489	Groove Pin
519-2504	Knob—Tilt Stop
3655-2505	Plunger
519-2506	Spring
3745-3662	Pin—Retaining

Part Number	Description
3655-4357	Spring—Lock Return
2655-4358	Spring—Actuator R.
3655-4358	Spring—Actuator L.
3645-4359	Bracket—Rev. Lock
3655-4360	Pin—Rev. Lock
3655-4363	Pin—Rev. Lock Pivot
3655-4401	Lever—Rev. Lock
3665-5805	Bolt
461-5840	Screw—Friction
493-5887	Drive Screw
509-5945	Screw
3665-6703	Nut
465-6713	Nut—Tilt Stop
462-7203	Lockwasher
519-7236	Lockwasher
3655-8615	Retaining Ring
3755-8619	Clevis Pin

INSTALLATION INSTRUCTIONS, REMOTE STEERING KIT

BAIL-A-MATIC MODELS



Installation Instructions For The Remote Steering Bracket

5, 7 1/2 and 10 HP

Attach the Remote Steering Bracket (3745-3630) to the motor by inserting the Hook-up bolt (3945-4672) into the slotted hole on the front of the forward carrying handle, then turn one quarter of a turn and release in a locked position.

16 HP

When using the 16 HP motor with Remote Steering Bracket, (3945-3630), attach the Bracket Support (3945-4687) to the forward carrying handle using two lockwashers (462-7203), and screws (461-5854). Then attach the Remote Steering Bracket same as above.

Installation Instructions For Attaching The Remote Control Assembly To The Motor

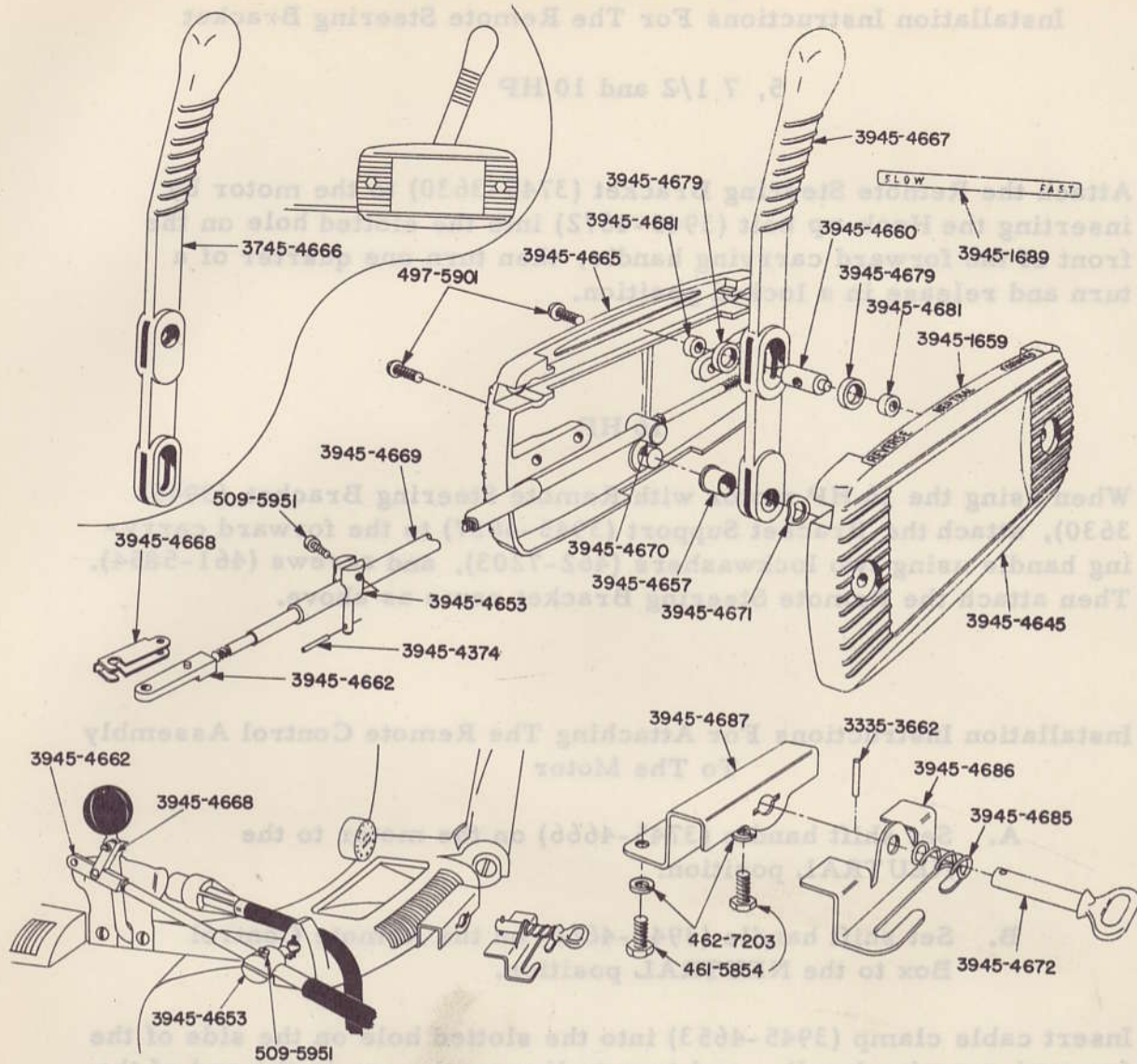
- A. Set shift handle (3745-4666) on the motor to the NEUTRAL position.
- B. Set shift handle (3945-4666) on the Remote Control Box to the NEUTRAL position.

Insert cable clamp (3945-4653) into the slotted hole on the side of the forward carrying handle, and turn to line up the eye in the end of the cable. Slide the cable end bar (3945-4662) onto the extended pin of the shift handle and close the locking spring (3945-4668) over the bar. Check the shift for full travel, then tighten the clamp screw (509-5951) securely.

- C. Attach the Remote Speed Control Cable to the opposite side of the motor, incorporating the same procedure as shown above.

REMOTE CONTROL INSTALLATION INSTRUCTIONS

BAIL-A-MATIC MODELS



Part Number	Description
3945-1659	Decal - Remote Shift
3945-1689	Decal - Speed Indicator
3335-3662	Roll Pin
3945-4374	Roll Pin
3945-4645	Remote Control Box
3945-4653	Clamp
3945-4657	Bushing
3945-4660	Pin
3945-4662	Cable-end Bar
3945-4665	Cover - Remote Control Box
3745-4666	Lever
3945-4667	Lever
3945-4668	Spring Clip

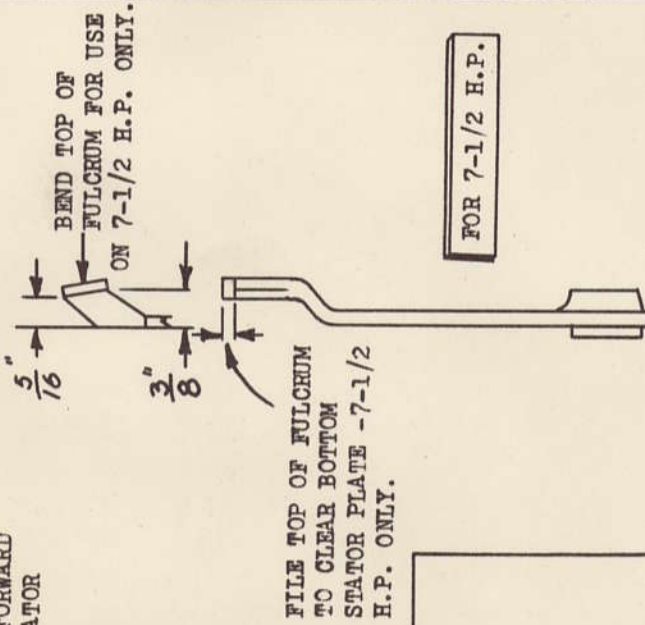
Part Number	Description
3945-4669	Remote Control Cable
3945-4670	Pivot Pin
3945-4671	Washer
3945-4672	Hook-up Bolt
3945-4679	Roller
3945-4681	Roller
3945-4685	Spring
3945-4686	Remote Steering Bracket
3945-4687	Bracket Support
461-5854	Screw
497-5901	Screw
509-5951	Screw
462-7203	Lockwasher

1953 REMOTE GEAR SHIFT AND THROTTLE CONTROL - 7-1/2 & 10 HP 1845-4675

USE 10-24x3/8" FI. HD. SCR. here

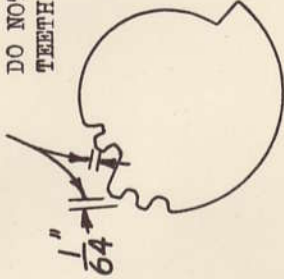
ASSEMBLE AS SHOWN FOR USE ON 7-1/2

INSERT IN FORWARD HOLE IN STATOR PLATE.



FILE MATING GEAR AS SHOWN TO ELIMINATE RESTRICTION POINTS ON THROTTLE

DO NOT REMOVE MORE FROM TEETH THAN NECESSARY.



F1109-DRIVE OUT ON 7-1/2 HP.

F1110-DRIVE OUT ON 10 HP.

F1111 SELF TAPPING SCREW USE ON 10 H.P.

F1105

E2050

E2048

F1106

F1104

F1114

D3022

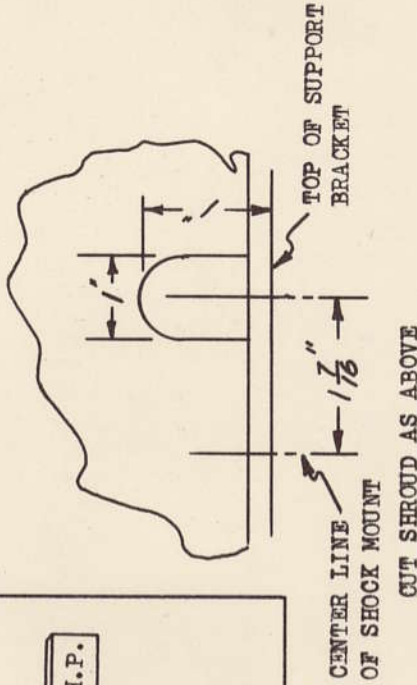
FORWARD STARBOARD SIDE.

#10-24 RD. HD. SCR.
#10- LOCK WASHER
#10- FLAT WASHER.

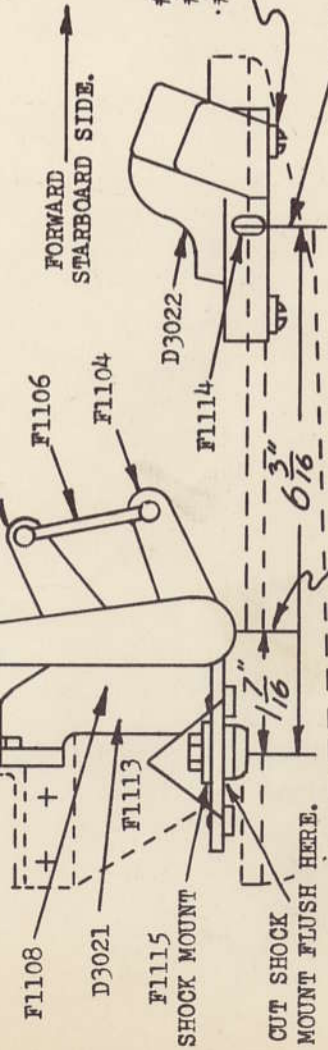
FILE GROOVE IN SUPPORT BRACKET AT THIS POINT FOR LOCATING PIN.

SCRIBE ON SUPPORT BRACKET AND TRANSFER TO SHROUD.

SUPPORT BRACKET.



ROUND BALLS UNSCREW*OTHERS DRIVE OFF.



10. Operate throttle lever, but do not force. Distinct restriction points will be felt at two positions of the throttle lever-one when retarding and one when advancing. File the two gear teeth. However, first be sure gear section on stator plate is adjusted as close as possible to its mating gear and slide off the flexible shaft temporarily, and hold pressure with the fingers on the mating gear. This will isolate the restriction point of the gears from the friction caused in the twist grip. After removing these restriction points by filing, reconnect flexible shaft. If there is any appreciable drag in the throttle control operation it will be found in the twist grip. In especially bad cases of friction, it may be necessary to give the twist grip more clearance by scraping. After you are satisfied with your control's operation, lubricate linkage points with Lubriplate 130 A or its equivalent available at most marine dealers.

11. Note: Do not force gear shift when motor is stopped. Lubricate thoroughly the gear shift lookout sleeve on lower unit, especially the taper in the twist grip handle.

12. Cut a notch in the starboard shroud. Install both shrouds. Screw throttle station to desirable position in boat and now lets have fun!

PARTS LIST FOR 1845-4675

C-4002 Station Throttle Lever	F-1104 Arm
C-4003 Station Shift Lever	F-1105 Plate Link
C-4005 Station Body	F-1106 Throttle Link
D-3014 Station Back	F-1107 Throttle Shaft
D-3015 Station Cover	F-1108 Throttle Stud
E-2051 Control Cable Assembly 7' to 20'	F-1109 Location Lug (10 HP)
D-3021 Support Bracket	F-1110 Location Lug (7 1/2 HP)
D-3022 Casing Bracket	F-1111 Stator Plate Adapter
E-2048 Throttle Lever	F-1112 Ball Retaining Spring
E-2049 Gear Shift Lever Adapter	F-1113 Location Lug Support Bracket
E-2050 Throttle Fulcrum	F-1114 Location Pin-Casing Bracket
F-1102 Casing Bracket Clamp	F-1115 Rubber Shock Mount
F-1103 Connector	F-1116 Shock Mount Sleeve

HARDWARE

2 10/24x1/8 Round Head Screws	1 #14 Hex Head Self Tapping Screw
2 #10 Flat Washers	1 1/4" Lock Washer
3 #10 Lockwashers	4 5133-15 Truarc Locks (Links)
1 1/4-20x1" Filister Head Screw	1 5133-31 Truarc Lock (Stud)
1 10-24x3/4 Round Head Screw	2 1/8 x 3/4 Roll Pins
1 10-24x3/8 Filister Head Screw	

INSTALLATION INSTRUCTIONS

and parts list

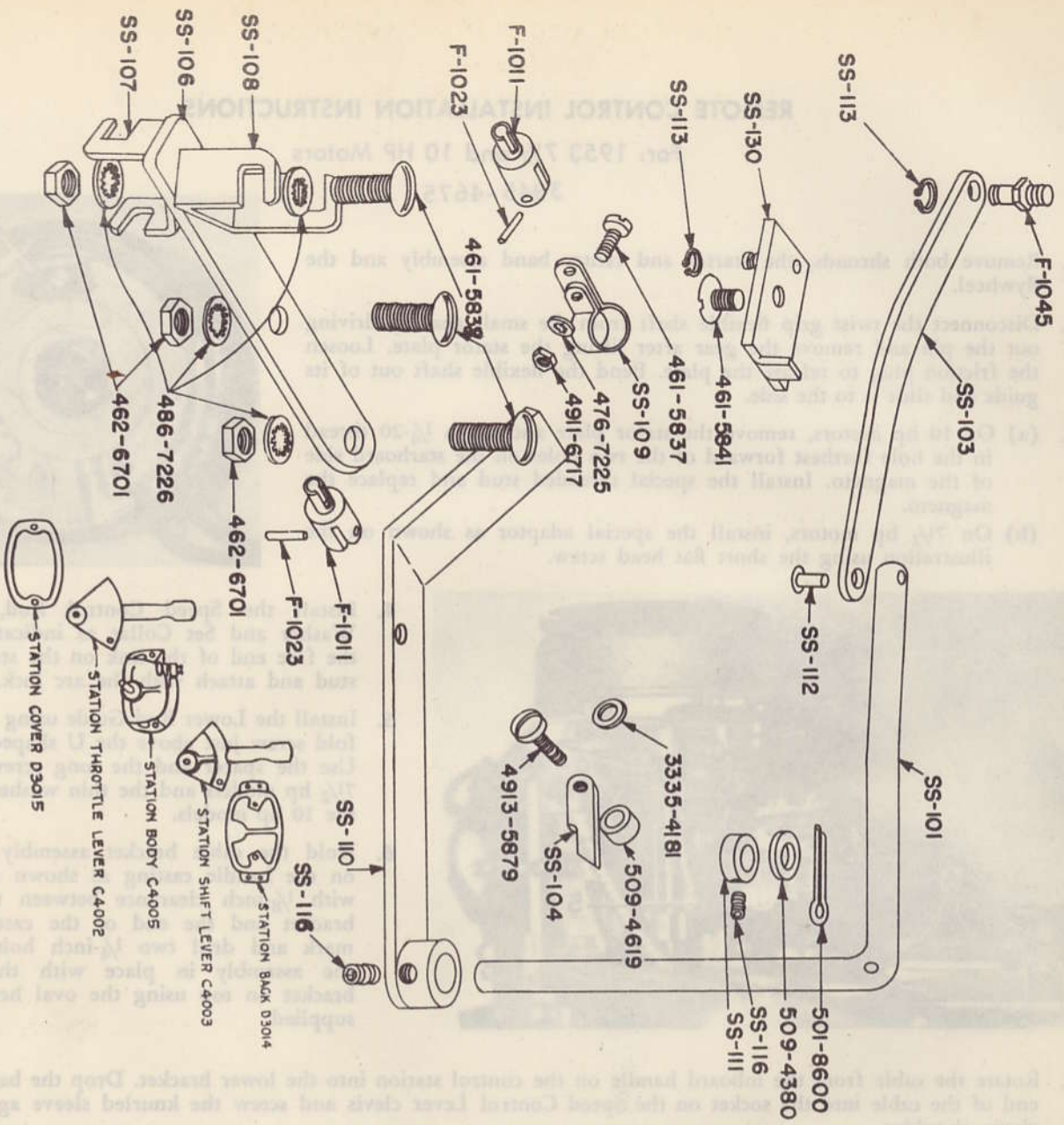
For Remote Gear Shift and Throttle Control

SCOTT-ATWATER 7 1/2 - 10 HP Motors for 1953

1845-4675

1. Remove port and starboard shrouds.
2. From the center of hex head cap screw which passes through the rubber shock mount into the support, measure 1 7/16 inches and make a mark on the outer edge of the support bracket. Also mark at 6 3/16 inches. Replace starboard shroud and transfer the 1 7/16" mark to the shroud. This mark is the center line of a small cutout for clearance around the throttle lever. Again remove shroud.
3. Remove cap screw mentioned above and cut out the rubber flush with the top of the support bracket stamping, after removing aluminum sleeve from its hole.
- 4A. (For 10 HP ONLY) Throttle control assembly comes assembled to be used on the 10 HP unit. It is only necessary to drive out the large locating lug on the stator plate adaptor and rivet over the small locating lug and attach adaptor to stator plate using self tapping hex screw supplied. A little grease on the self tapping screw will assist greatly in driving it home.
- 4B. (for 7 1/2 HP ONLY) Drive out the small locating lug on the stator plate adaptor. Rivet over large lug and change link to the other hole. Also band throttle fulcrum. Do not use sharp radius bands as they could cause fracture. To assemble adaptor to stator plate, use #10 Filistar head screw 3/8" long.
5. Attach the throttle linkage support. Use the rubber shock mount and sleeve supplied. Tie gas hose so it will not rub against any throttle control parts.
6. Attach casing bracket Part No. D-3022, after filing locating notch in the support at the 6 3/16" mark. When securing casing bracket clamp, distort metal stamping when tightening screw so that bottom of screw head is flat against clamp. Use the 1" Filister head screw and shakeproof washer supplied and the two #10 round head screws, the #10 flat washers and #10 Lock washers.
7. Attach gear shift lever adaptor. NOTE: Motors with round ball, the knob screws off, the aluminum knob drives off. Install shift adaptor against the bottom of the knob.
8. Remove all drag from the stator plate by unscrewing its adjustment on the side. Feel stator plate with fingers with a rocking motion and retighten adjusting screw just sufficiently to prevent stator plate from rocking. NOTE: Too much rocking of the stator plate can cause erratic magneto point opening.
9. Attach throttle station to some secure point and connect to motor. NOTE: Hold cable ends in a vertical position. Insert into lever holes and snap into their sockets. It may be necessary to band the lever slightly to allow full throw; however when doing so, grip the cross shaft securely so no change can be done to the gear shift linkage.

REMOTE CONTROL PARTS PRICE LIST



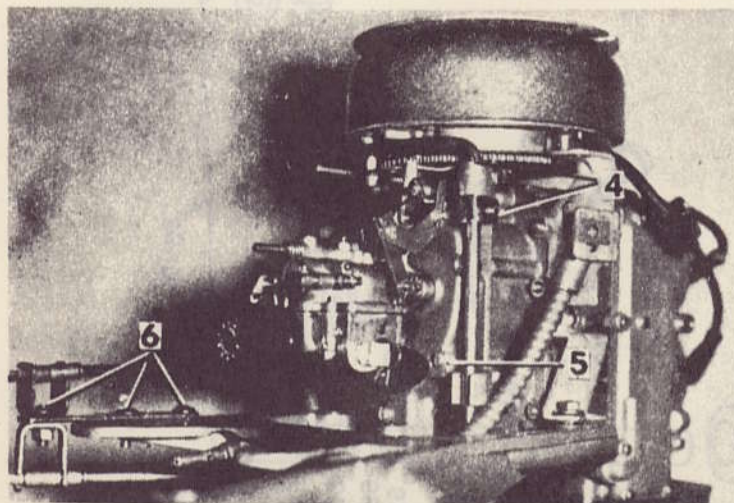
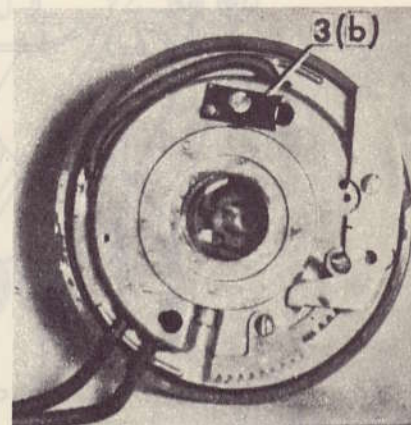
Part Number	Description	List Price
SS-101	Speed Control Rod	\$ 1.25
SS-103	Stator Plate Link	.40
SS-104	Rod Guide	.10
SS-106	Bracket Arm	.60
SS-107	Lower Cable Bracket	.90
SS-108	Upper Cable Bracket	.90
SS-109	Shift Handle Clamp	.75
SS-110	Speed Control Lever Ass'y	1.40
SS-111	Shaft Collar	.40
SS-112	Rivet	.05
SS-113	Tru Arc Lock Ring	.10
SS-116	Set Screw	.02
SS-130	Stator Plate Adaptor Ass'y	.90
F-1008	Knurled Sleeve - Cable Connector	.35
F-1011	Cable Connector	.55
F-1023	Connector Pin	.05
F-1045	Plate Stud	.60
E-2017	Control Cable Ass'y (10 ft)	8.15
D-3014	Station Back	2.40
D-3015	Station Cover	2.10
C-4001	Station & Cable Ass'y	31.20
C-4002	Station Throttle Lever	3.75
C-4003	Station Shift Lever	3.75
C-4005	Station Body	6.60
3335-4181	Guide Washer	.05
509-4380	Bearing Washer	.03
509-4619	Spacer	.03
461-5837	Clamp Screw	.02
461-5838	Cable Bracket Screw	.02
461-5841	Plate Adaptor Screw	.02
4913-5879	Rod Guide Screw	.05
A-6000	Station Assembly	15.00
462-6701	Cable Bracket Screw Nut	.02
4911-6717	Clamp Screw Nut	.02
476-7225	Clamp Screw Washer	.05
486-7226	Cable Bracket Screw Washer	.02
501-8600	Cotter Pin	.02

REMOTE CONTROL INSTALLATION INSTRUCTIONS

For: 1953 7½ and 10 HP Motors

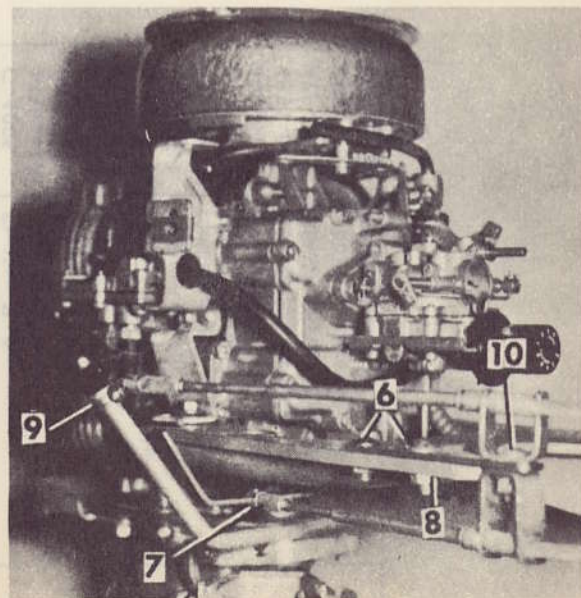
3845-4675

1. Remove both shrouds, the starter and center band assembly and the flywheel.
2. Disconnect the twist grip flexible shaft from the small gear by driving out the pin and remove the gear after lifting the stator plate. Loosen the friction plug to release the plate. Bend the flexible shaft out of its guide and slide it to the side.
3. (a) On 10 hp motors, remove the stator plate and tap a ¼-20 thread in the hole furthest forward of the two holes on the starboard side of the magneto. Install the special threaded stud and replace the magneto.
(b) On 7½ hp motors, install the special adaptor as shown on the illustration using the short flat head screw.



4. Install the Speed Control Rod, Bearing Washer and Set Collar as indicated. Place the free end of the link on the stator plate stud and attach with the arc lock.
5. Install the Lower Rod Guide using the manifold screw just above the U shaped bracket. Use the spacer and the long screw for the 7½ hp models and the thin washer only on the 10 hp models.
6. Hold the cable bracket assembly in place on the handle casting as shown at No. 6, with ⅛-inch clearance between the lower bracket and the end of the casting, then mark and drill two ¼-inch holes. Fasten the assembly in place with the shorter bracket on top using the oval head screws supplied.

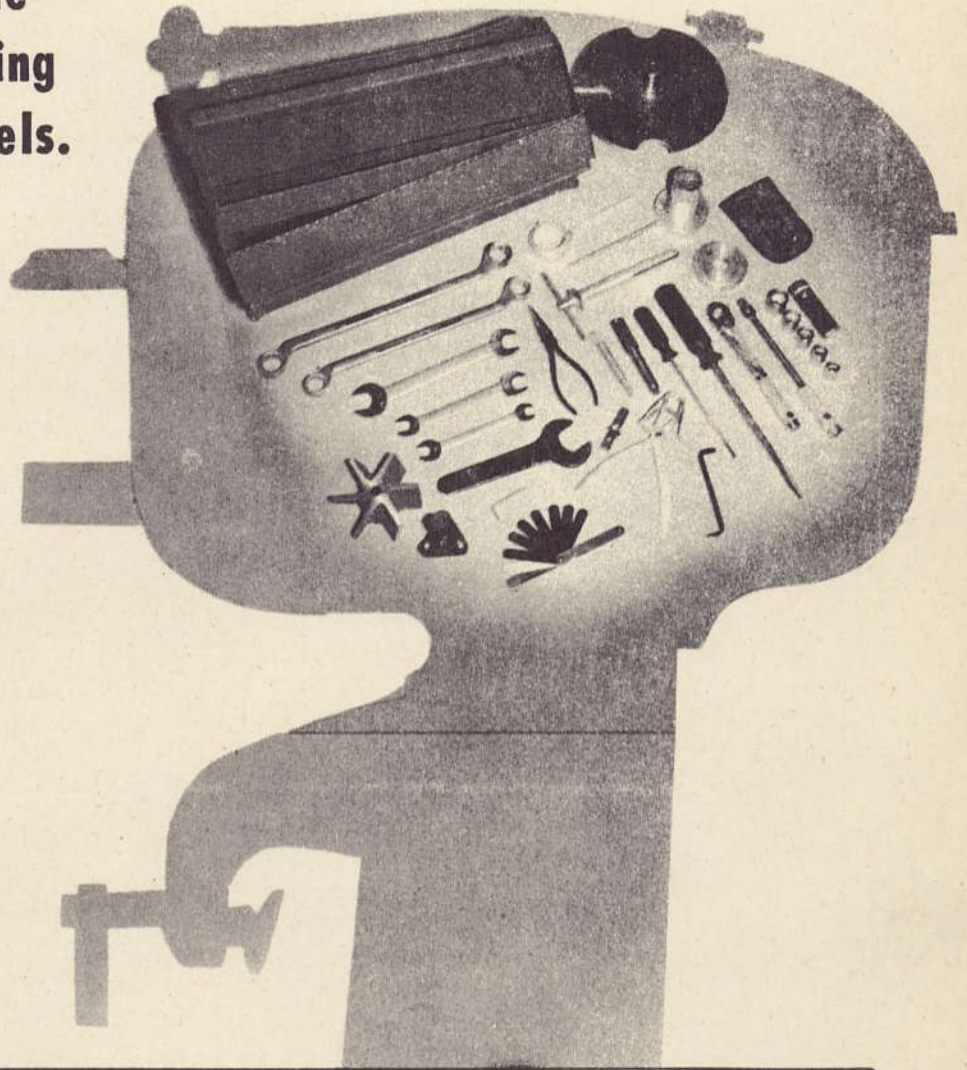
7. Rotate the cable from the inboard handle on the control station into the lower bracket. Drop the ball on the end of the cable into the socket on the Speed Control Lever clevis and screw the knurled sleeve against the clevis shoulder.
8. With the stator plate retarded to the "Stop" position and with the cable extended all the way, slide the collar end of the lever on the end of the Speed Control Rod. Tighten the set screw making sure the lever clears the cap screw holding the handle casting. If there is a tendency for the lever to slip on the rod when working the control handle, file a flat surface on the rod and tighten the set screw securely on the flat. Adjust the stator plate friction plug to a point where desirable drag is felt at the control station.
9. Remove the shift knob by tapping it off, or unscrew it if round. Slide the clamp and clevis assembly on the rod, replace the knob and tighten the clamp directly below the knob as shown. Rotate the second cable in the top bracket and fasten to the clevis on the shift handle as before.
10. Check to see that the two cable brackets line up the cable with their respective clevises. If not, rotate them into position and tighten the screw securely.
11. Replace the flywheel, starter and shrouds.



The heart of outboard sales is service!

And here's the complete set of tools for servicing all Scott-Atwater models.

It's a proven fact! Service builds sales! Here's the new, inexpensive dealer's tool kit that's really the thing for your service department. This one small kit provides all the tools necessary to service all Scott-Atwater models built since 1946 including the 1-30. It's a \$57.50 value but costs you only \$42.50 net. Order A52-617



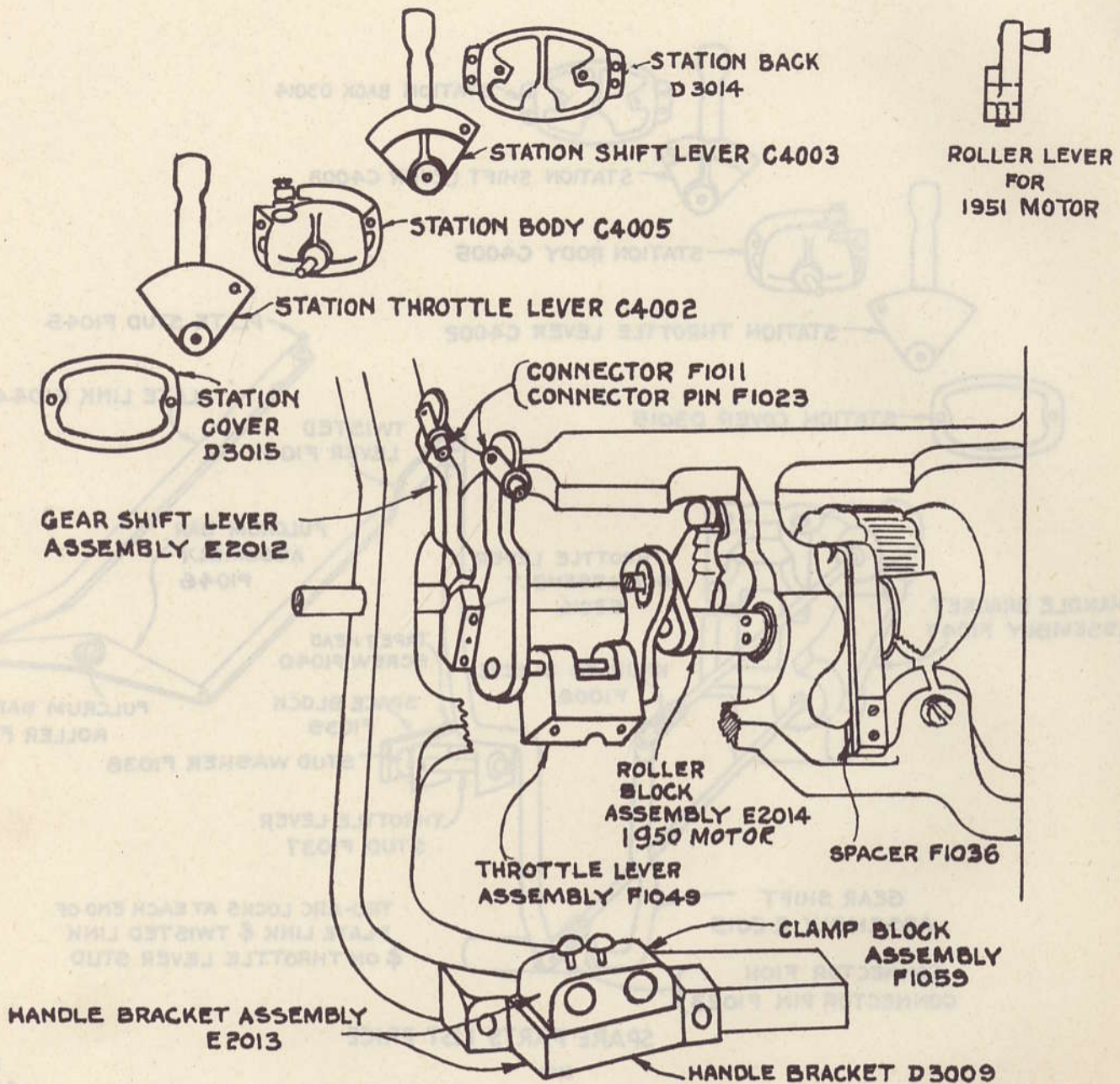
\$42 50

6" Needle Nose Pliers
8" Plastic Handle Screwdriver
6" Plastic Handle Screwdriver
6" Angle Screwdriver
7/16" Socket Wrench
1/2" Socket Wrench
9/16" Socket Wrench
5/8" Socket Wrench
3/4" Socket Wrench
7/16" x 1/2" Open End Wrench
9/16" x 5/8" Open End Wrench
3/4" x 7/8" Open End Wrench
7/8" x 13/16" Box End Wrench
1" x 15/16" Box End Wrench
13/16" Spark Plug Socket Wrench

10" Swivel Handle
8" Ratchet Handle
Large Tool Box
Flywheel Puller
Small Test Tank Propeller
16 H.P. Test Tank Propeller
Set Bristol Wrenches
Complete Lower Unit Tool Set - 16 H.P.
Starter Centering Pin
Piston Ring Expander Tool
Prop. Torque Wrench Adaptor
Piston Pin Remover thru 7½ H.P.
Piston Pin Remover 10 & 16 H.P.
1-1/4" Engineer's Wrench
9-Blade Thickness Feeler Gauge

Place your order for this kit (A52-617) directly with your distributor or their representative

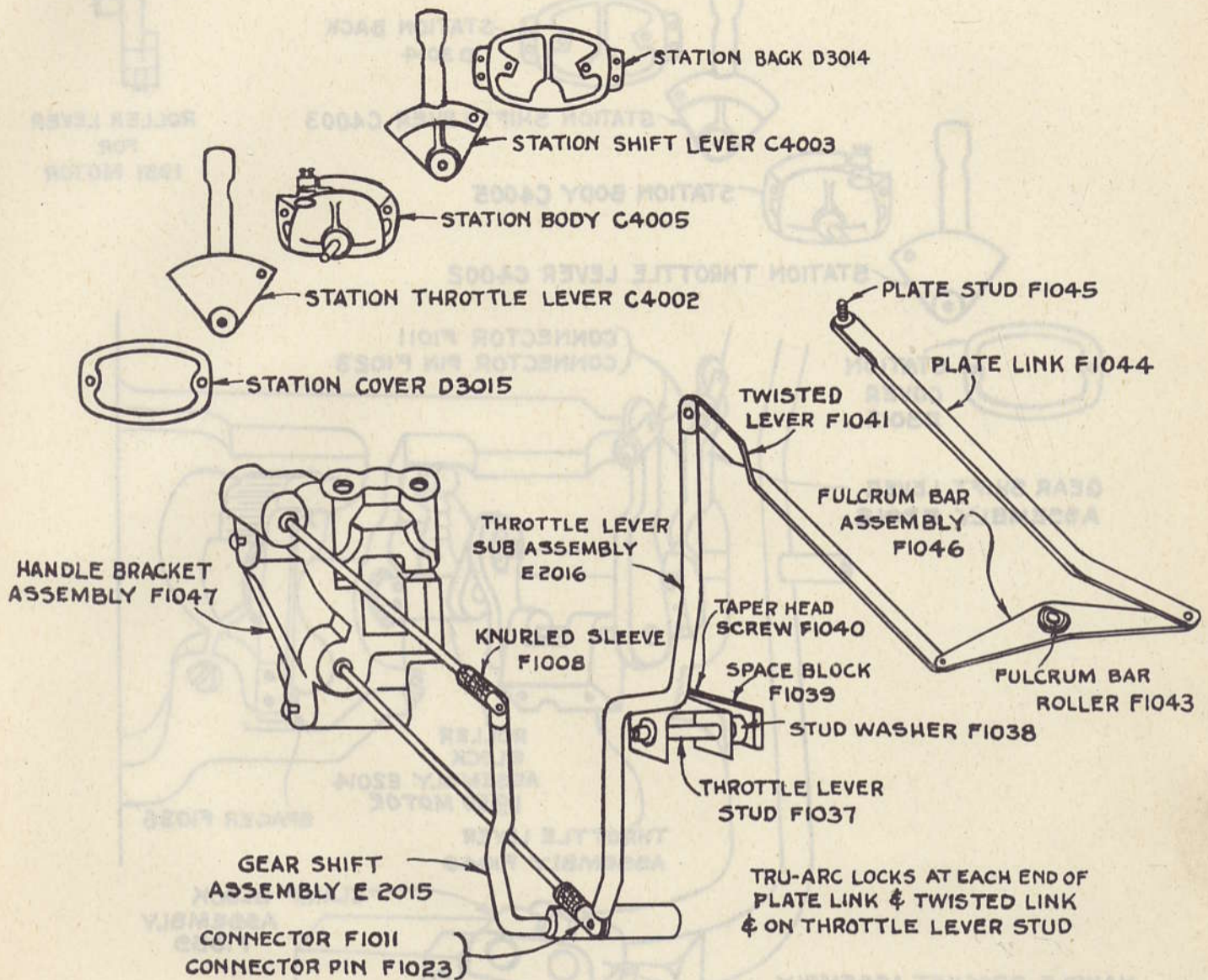
PARTS FOR 509-4675 REMOTE SHIFT AND SPEED CONTROL
SCOTT-ATWATER 16 HP MOTORS



SPARE PARTS LIST PRICE

		EACH		EACH
C4001	Station and Control Cable Assembly	\$31.20	E 2013	Handle Bracket Assembly
A6000	Station Assembly	15.00	D3009	Handle Bracket
D3014	Station Back	2.40	F1059	Clamp Block Assembly
C4003	Station Shift Lever	3.75	E 2012	Gear Shift Lever Assembly
C4005	Station Body	6.60	F1049	Throttle Lever Assembly
C4002	Station Throttle Lever	3.75	E 2014	Roller Block Assembly
D3015	Station Cover	2.10	F1036	Spacer
E 2017	Control Cable Assembly (10 ft.)	8.15	F1035	Template (Throttle Lever Assembly)
E 2008	Control Cable (10 ft.)	7.80	F1011	Connector and Pin (F1023)
F1008	Knurled Sleeve	.35		Misc. extra Screws
				Misc. extra nuts and washers

PARTS FOR 518-4675 REMOTE SHIFT AND SPEED CONTROL
SCOTT-ATWATER 7 1/2 AND 10 HP MOTORS

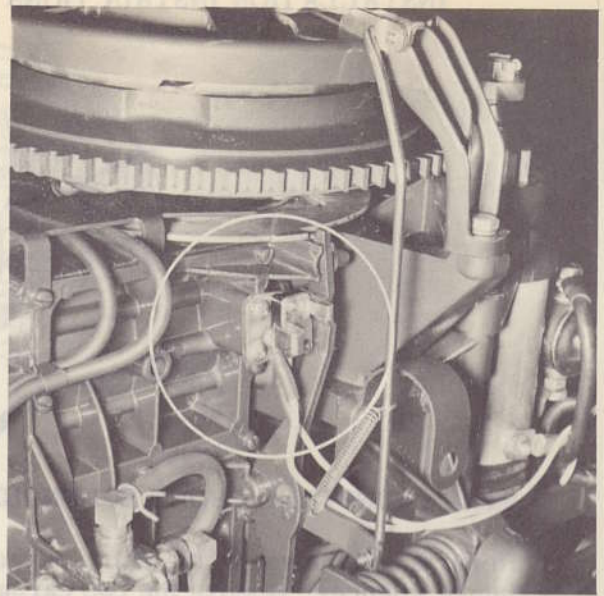


SPARE PARTS LIST PRICE

	EACH		EACH		
C4001	Station and Control Cable Assembly	\$31.20	F1047	Handle Bracket Assembly	\$3.60
A6000	Station Assembly	15.00	E2015	Gear Shift Lever Assembly	3.60
D3014	Station Back	2.40	D3013	Throttle Lever Assembly	9.60
C4003	Station Shift Lever	3.75	E2016	Throttle Lever Sub-Assembly	4.20
C4005	Station Body	6.60	F1051	Space Block Assembly	2.00
C4002	Station Throttle Lever	3.75	F1039	Space Block	.85
D3015	Station Cover	2.10	F1037	Throttle Lever Stud	.60
E2017	Control Cable Assembly (10 ft.)	8.15	F1038	Stud Washer	.25
E2008	Control Cable (10 ft.)	7.80	F1040	Taper-head Screw	.35
F1008	Knurled Sleeve	.35	F1041	Twisted Link	.70
	Misc. extra Screws	.10	F1046	Fulcrum Bar Assembly	2.40
	Misc. extra nuts and washers	.05	F1043	Fulcrum Bar Roller	.25
			F1044	Plate Link	.85
			F1045	Plate Stud	.60
			F1011	Connector and Pin (F1023)	.60
				Tru-Arc Locks	.10

STEP III - INSTALL LIMIT SWITCH (Continued)

If the shift limit beam on the motor does not have two small tapped holes, place shift handle in NEUTRAL position, set the limit switch in place on the powerhead and tighten the two mounting screws to a snug fitting only, as shown at right. The proper setting for the switch is reached (moving switch fore or aft) when you can hear the switch actuator "click" when shifting from Neutral to Forward or Reverse. At this point, tighten the two switch-mounting screws.



LIMIT SWITCH

STEP IV - PANEL ASSEMBLY

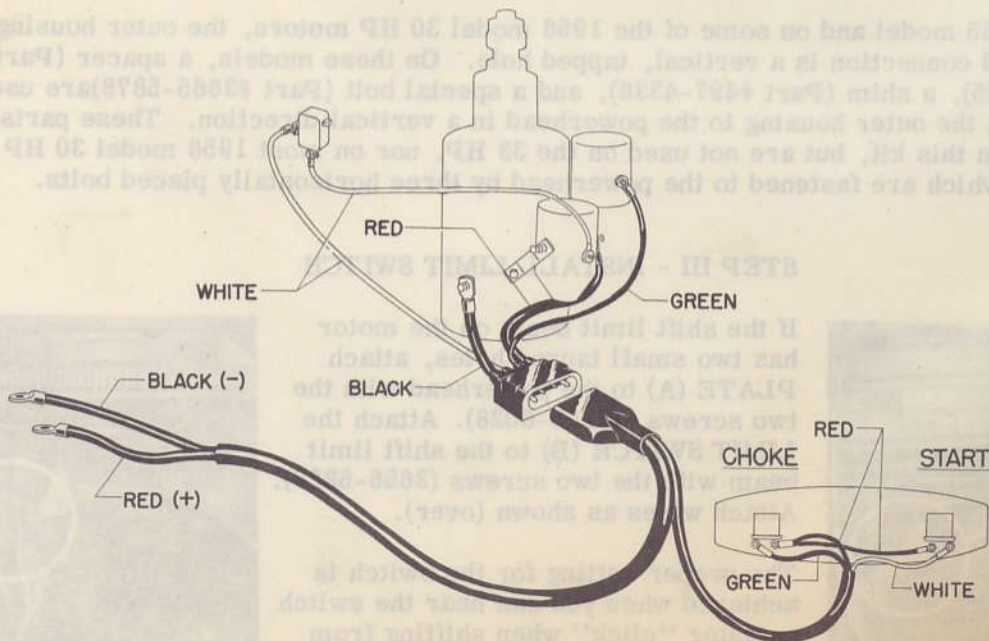
The START and CHOKE switches are identical. Remove the chrome nut from the front of the switch, set the switch in place on the panel - replace the chrome nut on the front, and tighten the locking nut at the back of the panel. It is advisable to have the terminals on the switches pointing down. This will lessen the moisture accumulation on the terminals.

STEP V - CONNECTOR ASSEMBLY

Attach the connector bracket to the handle, with the two screws and washers. Place the connector receptical and top plate on the bracket, and insert the four mounting screws.

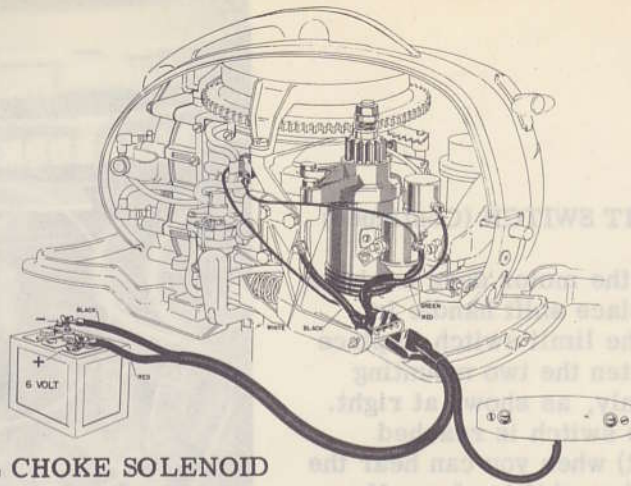
STEP VI - CONNECT HOOK-UP WIRES

The simple color-coded diagram below shows complete wiring arrangement. The only loose wire is the short WHITE lead connecting the bottom terminal on the limit switch to the outside terminal of the starter solenoid.



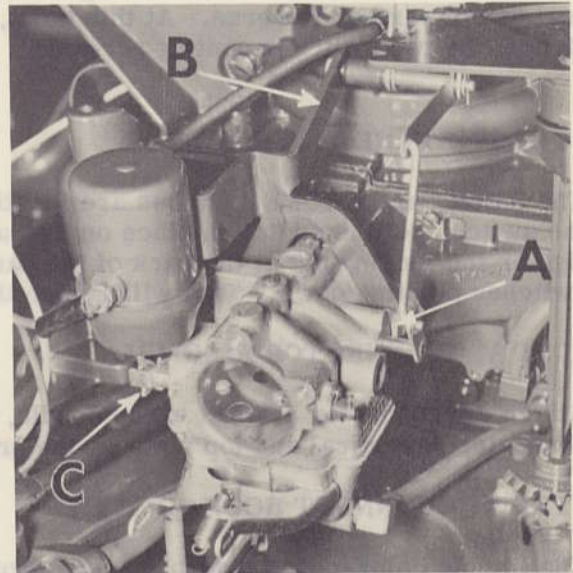
WIRING DIAGRAM

Refer to the parts catalog for individual part numbers and assemblies.



STEP I - INSTALL CHOKE SOLENOID

Remove both halves of the skirt, remove the intake silencer, remove the two carburetor stud nuts and washers and the nut and washer on the follower shaft. Place the solenoid bracket over the carburetor studs at the bottom (A) and on to the follower shaft at the top (B). Replace the stud and follower washers and nuts. Connect the solenoid shaft to the lever on the carburetor and lock in place with the hair pin cotter (C).



CHOKE SOLENOID

STEP II - INSTALL STARTER MOTOR

Bolt the electric starter motor in place. A clearance of approximately .025 must be maintained where the flywheel gear and the starter Bendix gear mesh, to allow proper backlash. This clearance is built in on the 1956 models, but a feeler gauge should be used and spacing washers inserted as required on the 1955 model.

On the 1955 model and on some of the 1956 model 30 HP motors, the outer housing to powerhead connection is a vertical, tapped hole. On these models, a spacer (Part #3665-4125), a shim (Part #497-4338), and a special bolt (Part #3665-5878) are used to connect the outer housing to the powerhead in a vertical direction. These parts are included in this kit, but are not used on the 33 HP, nor on most 1956 model 30 HP motors, which are fastened to the powerhead by three horizontally placed bolts.

STEP III - INSTALL LIMIT SWITCH

If the shift limit beam on the motor has two small tapped holes, attach PLATE (A) to the powerhead with the two screws, (3655-6028). Attach the LIMIT SWITCH (B) to the shift limit beam with the two screws (3655-5829). Attach wires as shown (over).

The proper setting for the switch is achieved when you can hear the switch actuator "click" when shifting from Neutral to Forward or Reverse.

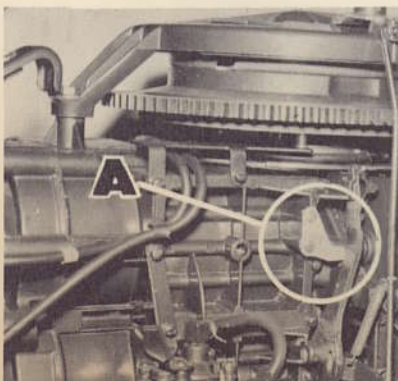
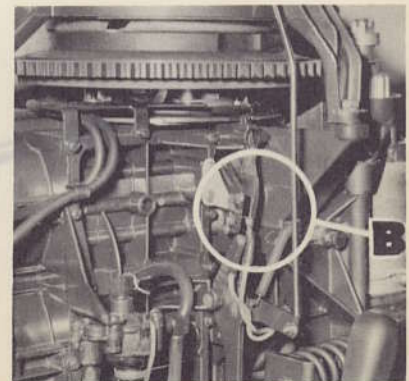


PLATE MOUNTING

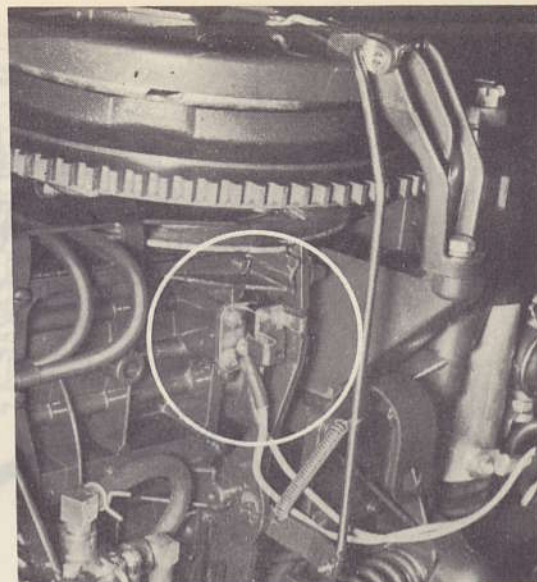
Should adjustment be necessary, bend plate (A) in the proper direction.



SWITCH MOUNTING

STEP III - INSTALL LIMIT SWITCH

Place shift handle in NEUTRAL position. Set the limit switch in place and tighten the two mounting screws to a snug fitting only. The proper setting for the switch is reached (moving switch fore or aft) when you can hear the switch actuator CLICK when shifting from Neutral to Forward or Reverse. At this point, tighten the two switch-mounting screws.



LIMIT SWITCH

STEP IV - PANEL ASSEMBLY

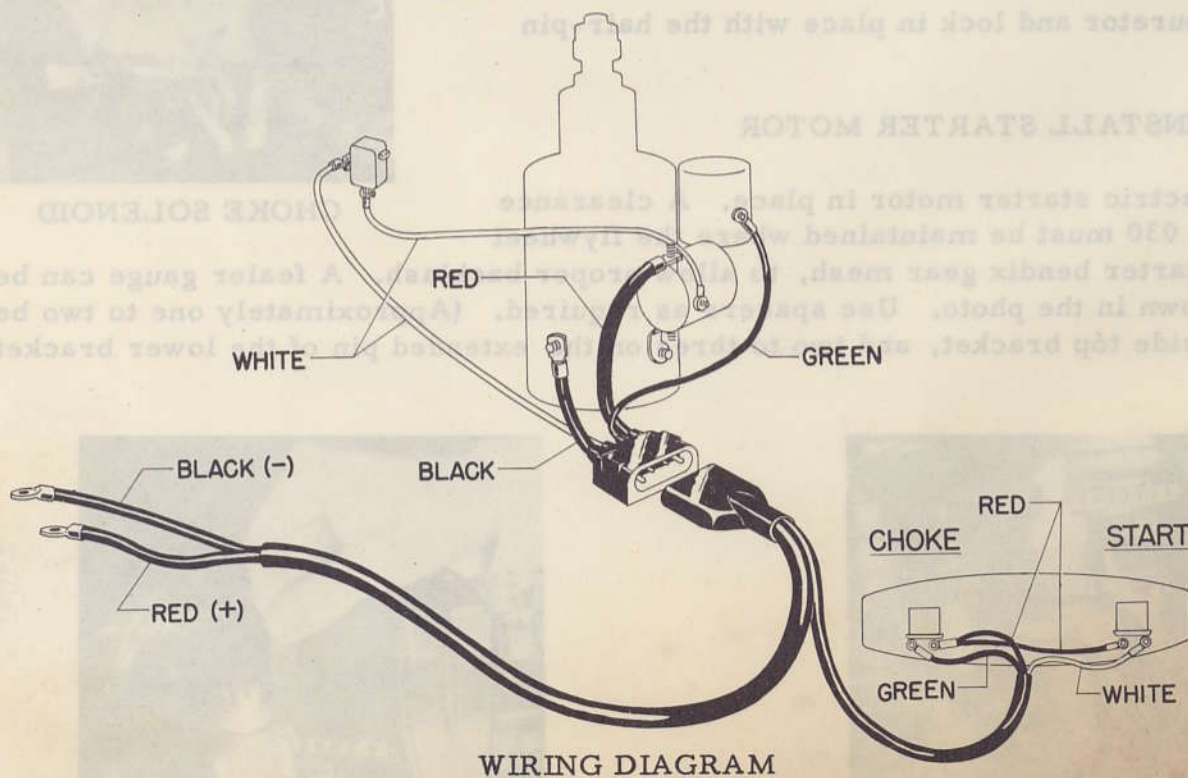
The START, and CHOKE switches are identical. Remove the chrome nut from the front of the switch, set the switch in place on the panel - replace the chrome nut on the front, and tighten the locking nut at the back of the panel. It is advisable to have the terminals on the switches pointing down. This will lessen the moisture accumulation on the terminals.

STEP V - CONNECTOR ASSEMBLY

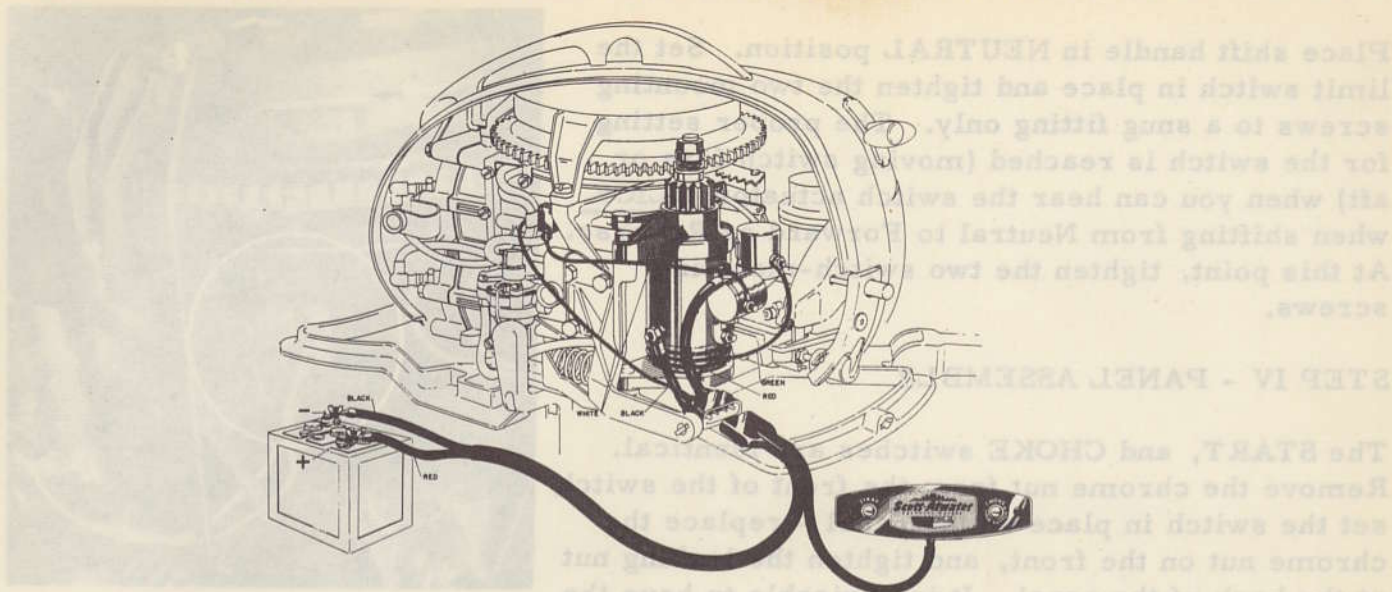
Attach the connector bracket to the handle, with the two screws and washers. Place the connector receptical and top plate on the bracket, and insert the four mounting screws.

STEP VI - CONNECT HOOK-UP WIRES

The simple color-coded diagram below shows complete wiring arrangement. The only loose wire is the short WHITE lead connecting the bottom terminal on the limit switch to the outside terminal of the starter solenoid.



Refer to the parts catalog for individual part numbers and assemblies.

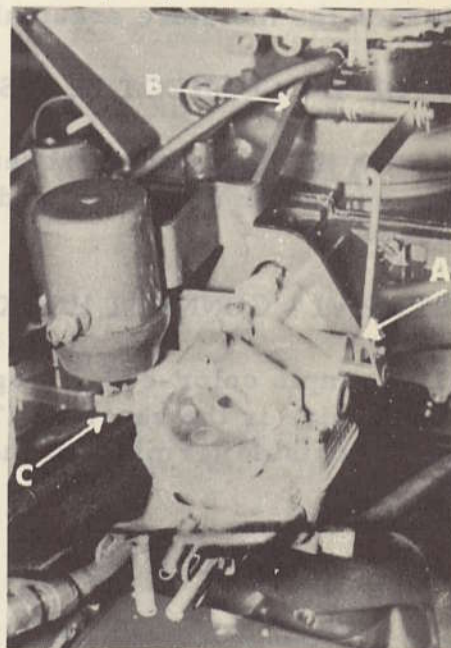


With the mounting brackets a fixed part of the starter, it is a simple process to install the complete Electric Starter Kit.

Remove both halves of the skirt.

STEP I - INSTALL CHOKE SOLENOID

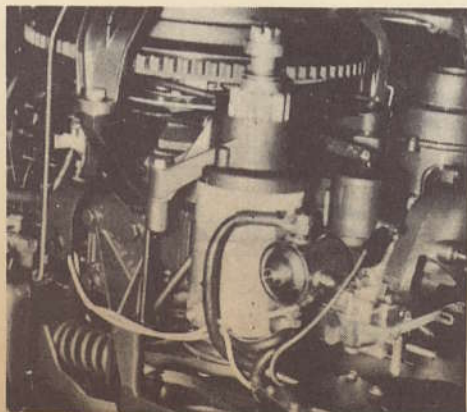
Remove the one screw at the top of the intake silencer, holding the silencer to the bracket. Remove the two carburetor stud nuts and washers, also the nut and washer on the follower shaft. Place the solenoid bracket over the carburetor studs at the bottom (A) and onto the follower shaft at the top (B) - replace the stud and follower washers and nuts. Connect the solenoid shaft to the lever on the carburetor and lock in place with the hair-pin cotter (C).



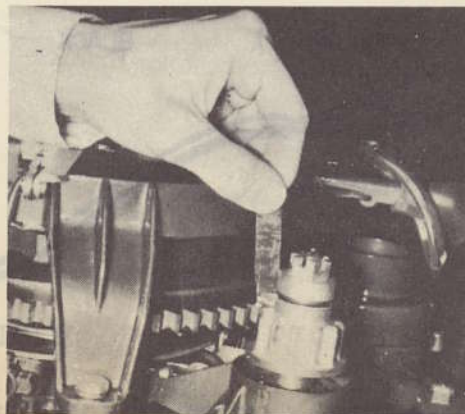
CHOKE SOLENOID

STEP II - INSTALL STARTER MOTOR

Bolt the electric starter motor in place. A clearance of .025 to .030 must be maintained where the flywheel gear and starter bendix gear mesh, to allow proper backlash. A feeler gauge can be used as shown in the photo. Use spacers as required. (Approximately one to two behind the inside top bracket, and two to three on the extended pin of the lower bracket.)



MOUNTING STARTER MOTOR



SPACING GEARS

REMOTE CONTROL CONVERSION '54 - '55

The 3945-4675 remote control kit for 16 and 30 HP models is completely interchangeable between the 1954 and 1955 models with no additional parts required.

The 3755-4675 remote control kit for 5, 7 1/2 and 10 HP models will fit the 1954 as well as the 1955 models.

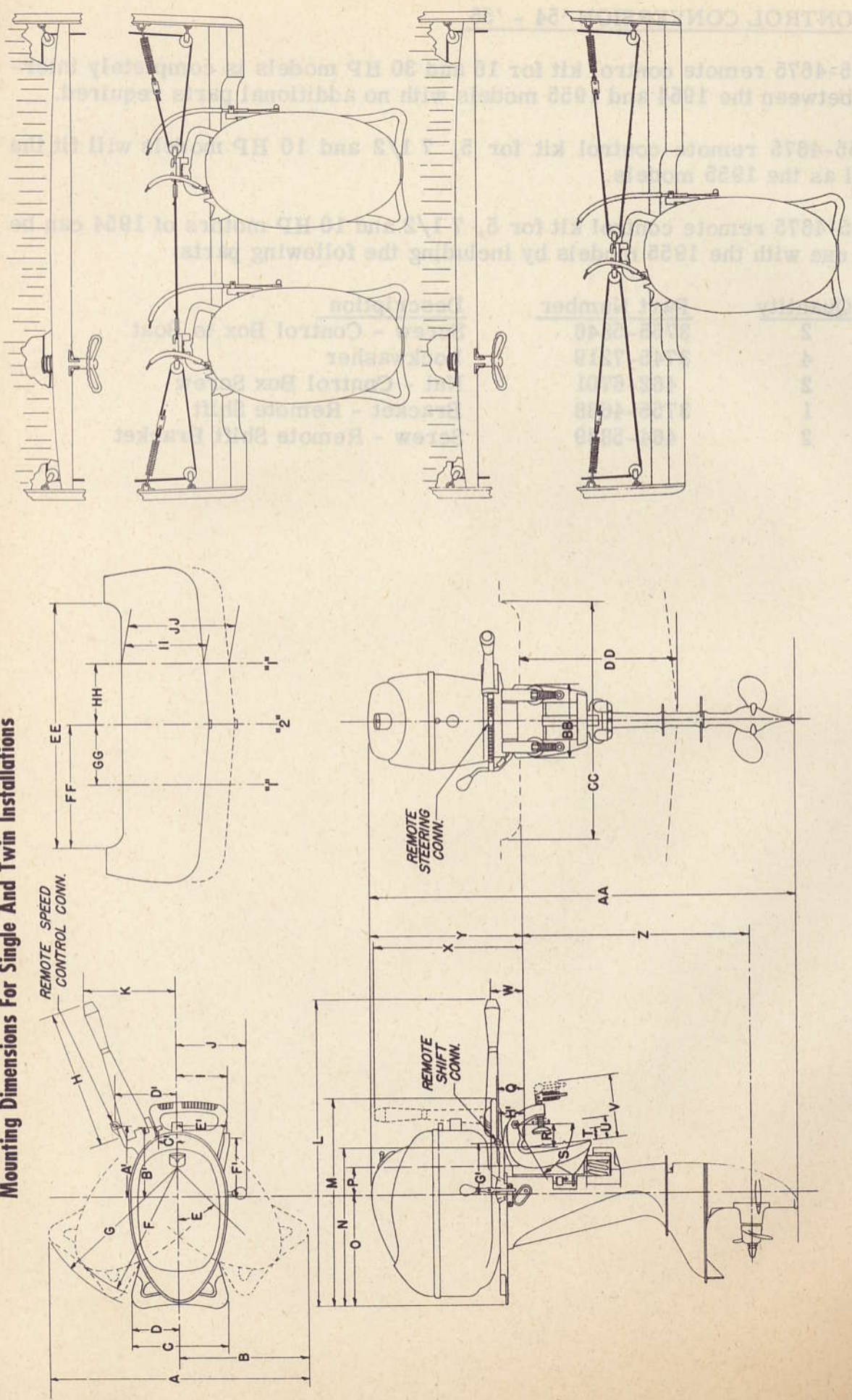
The 3745-4675 remote control kit for 5, 7 1/2 and 10 HP motors of 1954 can be adapted for use with the 1955 models by including the following parts:

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
2	3755-5846	Screw - Control Box to Boat
4	3745-7219	Lockwasher
2	462-6701	Nut - Control Box Screw
1	3755-4688	Bracket - Remote Shift
2	464-5839	Screw - Remote Shift Bracket

REMOTE CONTROLS - '56

The 3965-4675 and 3765-4675 remote controls are interchangeable with the '55 models. The only difference is in a new type spring clip (3965-4668) and a new type remote control cable (3965-4669). The spring clips and the remote control cable assembly are interchangeable. The component parts of the '55 and '56 remote cables are not interchangeable.

Mounting Dimensions For Single And Twin Installations



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ
3001, 3010, 3003	10	25-1/2	14-1/4	8-1/4	4-3/8	45°	14	13-1/2	11	4-1/2	7	5-1/2	28	18-1/4	15-1/2	10	3-1/2	2-1/2	2-1/4	66°	1-1/4	2-1/8	3-1/2	14	15	21	49	7	25-1/2	15	25-1/2	30	10-1/4	18	8	8	15	15	20	20	20	7-1/2	7	1-1/2	6	4	5	5	3			
3003 & 3015	16	28	16	8	4-1/2	45°	15	14-1/2	11	5-1/2	8	13	25-1/4	22	17	2-1/2	2-1/2	2-1/2	66°	1-1/4	2-1/8	3-1/2	14	15	21	49	7	25-1/2	15	25-1/2	30	10-1/4	18	8	8	15	15	20	20	20	7-1/2	7	1-1/2	6	4	5	5	3				
3003	18	32	18	8-1/2	4-1/2	45°	16	15-1/2	11	5-1/2	9	16	28	25	17	2-1/2	2-1/2	2-1/2	66°	1-1/4	2-1/8	3-1/2	14	15	21	49	7	25-1/2	15	25-1/2	30	10-1/4	18	8	8	15	15	20	20	20	7-1/2	7	1-1/2	6	4	5	5	3				
3003 & 3001	20	35	17-1/2	15-1/8	4-9/16	45°	17	16-1/2	11	5-1/2	10	18	31	29	21	3	4	4	60°	1-1/4	2-3/8	3-1/4	1	18	23	47	10-1/2	26	15	26	45	13	25-1/2	11	11	15	15	20	20	11	10	3°	3-1/2	7	7-3/4	7-3/4	3-1/2					
3001 & 3010-2	22	35	17-1/2	15-1/8	4-9/16	45°	17	16-1/2	11	5-1/2	10	18	31	29	21	3	4	4	60°	1-1/4	2-3/8	3-1/4	1	18	23	47	10-1/2	26	15	26	45	13	25-1/2	11	11	15	15	20	20	11	10	3°	3-1/2	7	7-3/4	7-3/4	3-1/2					

* - CENTER LINE OF MOTOR - TWIN INSTALLATION
 * - CENTER LINE OF MOTOR - SINGLE INSTALLATION
 * - VARIES WITH MOTOR TILT
 * - MEASURE ON OTHER SIDE OF CENTER LINE

REMOTE CONTROL CONVERSION '54 - '55

The 3945-4675 remote control kit for 16 and 30 HP models is completely interchangeable between the 1954 and 1955 models with no additional parts required.

The 3755-4675 remote control kit for 5, 7 1/2 and 10 HP models will fit the 1954 as well as the 1955 models.

The 3745-4675 remote control kit for 5, 7 1/2 and 10 HP motors of 1954 can be adapted for use with the 1955 models by including the following parts:

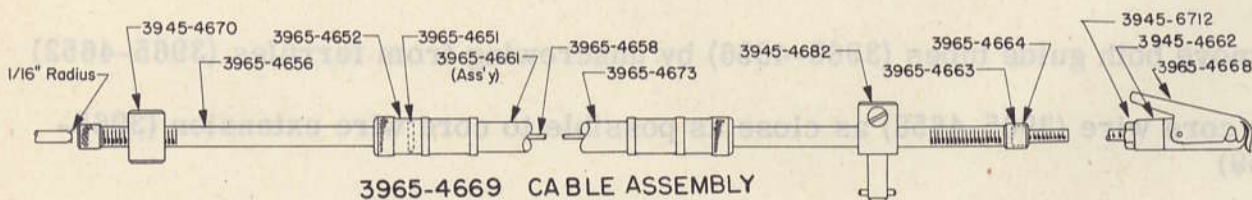
<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
2	3755-5846	Screw - Control Box to Boat
4	3745-7219	Lockwasher
2	462-6701	Nut - Control Box Screw
1	3755-4688	Bracket - Remote Shift
2	464-5839	Screw - Remote Shift Bracket

1. Insert new core wire into casing until it is flush with end of ferrule. See Figure 1
2. On the opposite end measure 4-15/16" of wire from the end of the ferrule and cut the core wire. Be certain that the core wire is flush with opposite ferrule when making measurement and cut. See Figure 1

Note: The 4-15/16" measurement is a revision of the dimension of 5-1/4" given in the bulk assembly instructions and the new measurement (4-15/16") should be used in repairing or assembling cables from bulk material.

3. Using the swaging tool (SK7418) swage both ends of the core wire. See Figure 2. Place new core wire extension (3965-4659) over swaged core wire. Note: If the unthreaded end of the extension (3965-4659) has a square end grind a radius of 1/16" as shown in Figure 4.
4. Again with the swaging tool place the core wire extension in the die so the unthreaded end of the extension is flush with the tool. Crimp firmly, open the tool and shift position of extension approximately 1/8" and crimp again. See Figure 3.
5. Repeat operation four to install core wire extension on opposite end of core wire.
6. Reinstall guide tubes (3965-4656) and reassemble cable into control box.
7. Reinstall nut, end bar and clip on core wire extension and reconnect to motor.

Figure 4



Part Number	Description	List Price
3965-4651	Ferrule Ring	.15
3965-4652	Ferrule	.35
3965-4656	Casing Extension Tube	.50
3965-4658	Core Wire (only)	.08 per ft.
3965-4659	Core Wire Extension	.50
3965-4661	Core Wire & Casing	.60 per ft.
3945-4662	End Bar	.45
3965-4663	Felt	.04
3965-4664	Felt Retainer	.15
3965-4668	End Bar Clip	.25
3945-4670	Trunion	.25
3965-4673	Casing (only)	.52 per ft.
3945-4682	Cable Clamp Assembly	1.75
3945-6712	Nut	.05

SUBJECT: Installation and Repair of Remote Control Cables

Two types of remote control cables have been used in production of remote control assemblies. One is black in color (part number 3945-4669) and the other is gold (part number 3965-4669).

In making an installation on a boat, using either type of cable, it is extremely important that all bends be of a gradual nature (6" minimum radius). A bend or curve of less than 6 inch radius, either in handling or installation, will almost invariably result in the core wire taking a permanent set or kink. The presence of a kink in the core wire builds up a great deal of friction and in extreme cases will make it impossible to operate the control assembly.

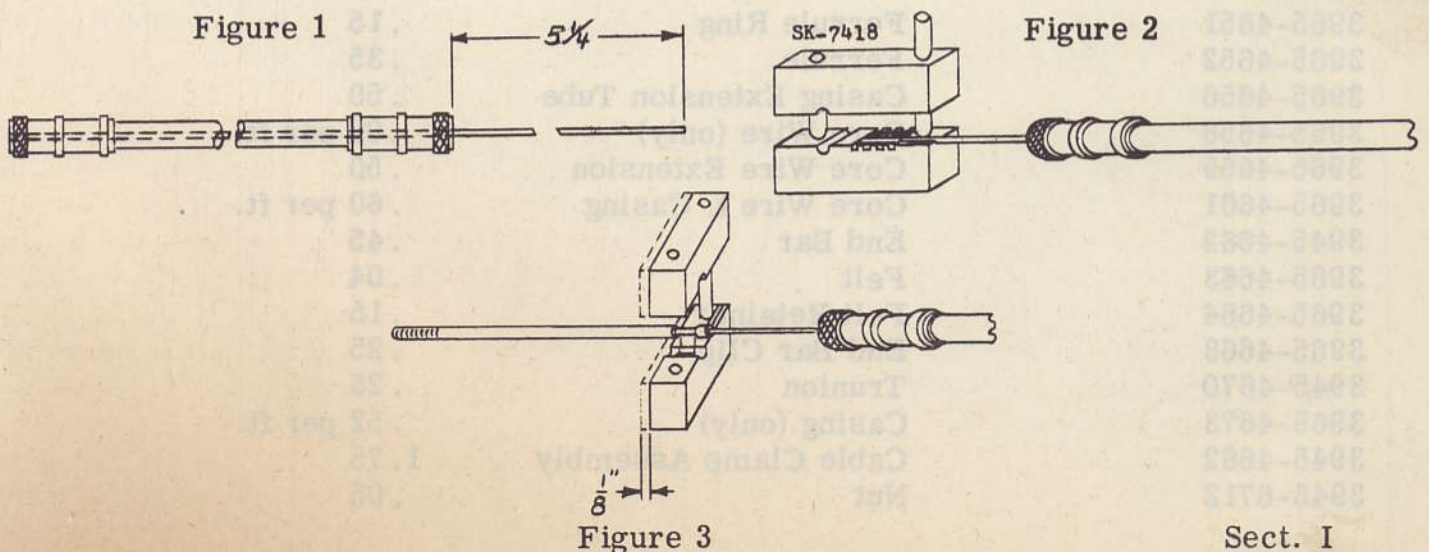
It is almost impossible to remove a kink in a core wire by reforming the cable assembly and in the case of a black cable it will be necessary to replace the entire cable assembly.

With the gold cable it is possible to remedy the condition by replacing the core wire as outlined below.

Disassembly
(See Figure 4)

1. Remove cable assembly from motor and control box.
2. Remove end bar (3945-4662) and nut (3945-6712) from cable.
3. Remove both guide tubes (3965-4656) by unscrewing from ferrules (3965-4652).
4. Cut core wire (3965-4658) as close as possible to core wire extension (3965-4659)
5. Remove core wire from casing. Save core wire for later usage for repair of a cable of shorter length if kinks are located so this is possible.

Reassembly



REMOTE SHIFT AND SPEED CONTROL - 3945-4675

16 HP and 30 HP

IMPORTANT - Read Complete Instructions Before Starting Installation.

INSTALLATION INSTRUCTIONS FOR REMOTE STEERING BRACKET - 3945-3630.

On the 16 HP attach the Bracket Support (3945-4687) to the forward carrying handle using two lockwashers (462-7203) and screws (461-5854). Attach the Remote Steering Bracket by inserting the hook-up bolt (3945-4672) into the slotted hole in the bracket support. On the 30 HP, the bracket locks directly into the slotted hole in the forward handle - turn one-quarter turn and release in a locked position.

INSTALLATION INSTRUCTIONS FOR ATTACHING REMOTE SHIFT AND SPEED CONTROL CABLES.

A. SHIFT CONTROL

Set shift handle on the motor to the NEUTRAL position. Set shift handle on the Remote Control Box (3945-4667) to the NEUTRAL position. Insert cable clamp (3945-4653) into the vertically positioned slotted hole on the side of the forward carrying handle (16 HP) or, the extended bracket (30 HP). Turn the cable, lining up the eye in the cable-end bar (3945-4662) with the pin on the shift handle. Slide the cable-end bar (3945-4662) over the pin on the shift handle and close the spring clip (3945-4668) over the bar. Check the shift for full travel. Tighten the clamp screw (509-5951) and locking nut (3945-6712) at the cable end bar.

B. SPEED CONTROL

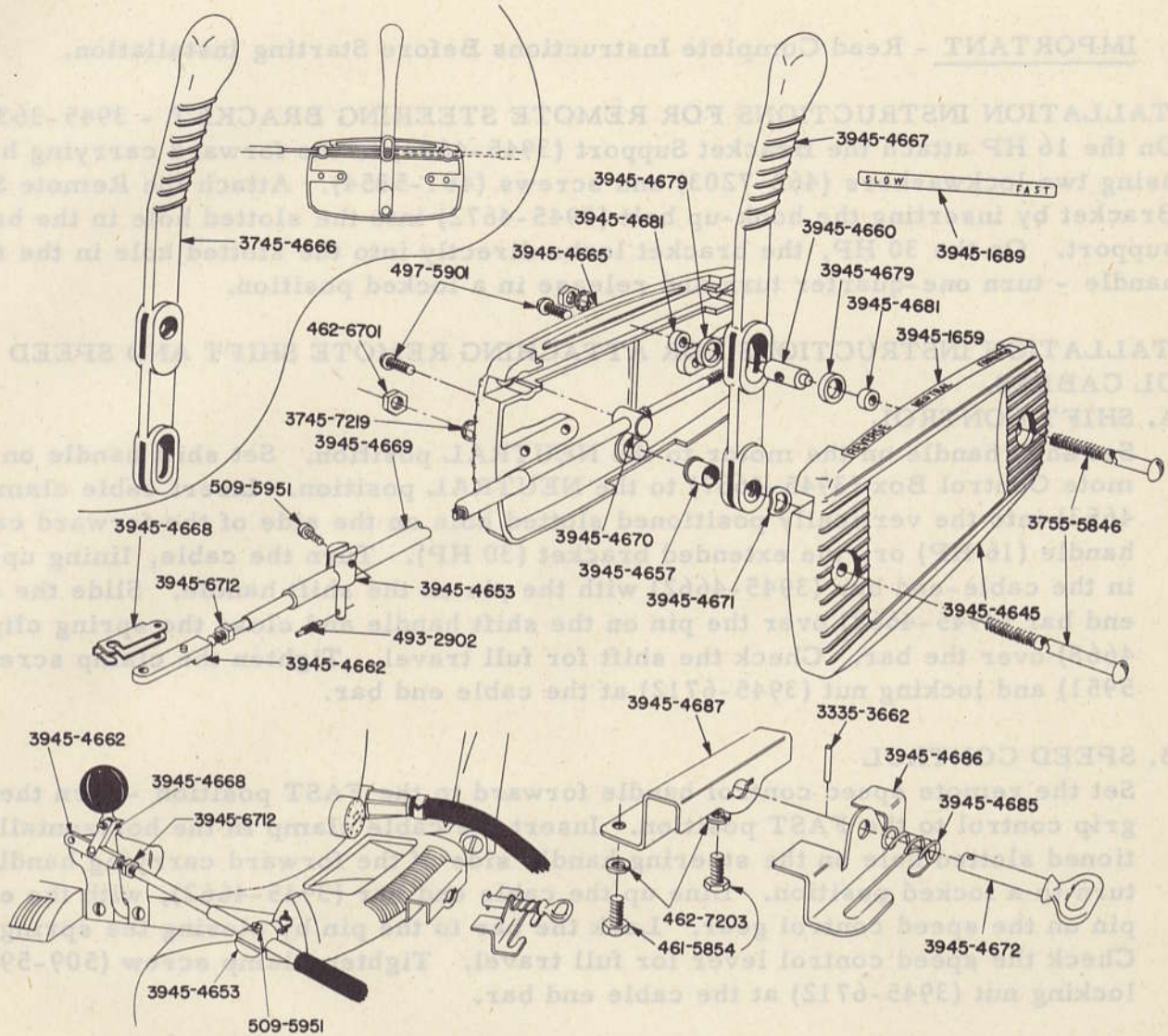
Set the remote speed control handle forward to the FAST position - turn the twist grip control to the FAST position. Insert the cable clamp in the horizontally positioned slotted hole on the steering handle side of the forward carrying handle and turn to a locked position. Line up the cable end bar (3945-4662), with the extended pin on the speed control gear. Lock the bar to the pin by closing the spring clip. Check the speed control lever for full travel. Tighten clamp screw (509-5951) and locking nut (3945-6712) at the cable end bar.

MOUNTING REMOTE CONTROL BOXES TO BOAT

The Control Boxes may be mounted separately or stacked together. The boxes and cables as shipped are prepared for left (PORT) side mounting to boat, but can be easily converted to right (STARBOARD) mounting. Simply remove the two side screws (497-5901) separating the halves of the box. Turn the cable and handle 180°, seat the pivot pin (3945-4670) into the opposite half of the box as indicated by dotted line in illustration. This will bring the cable out the opposite end. The handle may also be turned to face either direction simply by unscrewing the cable from the slider pin (3945-4660), turn the handle 180° and screw the cable into the slider pin. Replace the two halves of the box with the two screws (497-5901). Be sure all washers and spacers are in place as shown in illustration. Mount the boxes to the boat using the two screws (3755-5846), lockwashers (3745-7219) and nuts (462-6701).

You will note that one cable is one foot longer than the other. The longer cable is used to reach the control on the farthest side of the motor, depending upon which side of the boat the Control Boxes are mounted.

REMOTE CONTROL INSTALLATION INSTRUCTIONS
16 - 30 HP



Part Number	Description
3945-1659	Decal - Remote Shift
3945-1689	Decal - Speed Indicator
493-2902	Pin
3335-3662	Roll Pin
3945-4645	Remote Control Box
3945-4653	Clamp
3945-4657	Bushing
3945-4660	Pin
3945-4662	Cable-end Bar
3945-4665	Cover - Remote Control Box
3745-4666	Lever - Speed
3945-4667	Lever - Shift
3945-4668	Spring Clip
3945-4669	Remote Control Cable
3945-4670	Pivot Pin

Part Number	Description
3945-4671	Washer
3945-4672	Hook-up Bolt
3945-4679	Roller
3945-4681	Roller
3945-4685	Spring
3945-4686	Remote Steering Bracket
3945-4687	Bracket Support
3755-5846	Screw - Control box to Boat
461-5854	Screw
497-5901	Screw
509-5951	Screw
462-6701	Nut
3945-6712	Nut
462-7203	Lockwasher
3745-7219	Lockwasher

REMOTE CONTROL INSTALLATION INSTRUCTIONS

1954-1956 Models

IMPORTANT - Read Complete Instructions Before Starting Installation.

INSTALLATION INSTRUCTIONS FOR REMOTE STEERING BRACKET

Attach the remote steering bracket (3745-3630) to the motor by inserting the hook-up bolt (3945-4672) into the slotted hole on the front of the forward carrying handle - turn one-quarter of a turn and release in a locked position. On 1954 and 1955 model 16 HP motors, attach bracket support (3945-4687) to forward carrying handle, using two screws and lockwashers. Attach steering bracket by inserting hook-up bolt into slotted hole in the bracket support.

INSTALLATION INSTRUCTIONS FOR ATTACHING REMOTE SHIFT AND SPEED CONTROL CABLES.

A. SHIFT CONTROL

On the 5, 7-1/2, and 10 HP models, attach the remote shift control bracket (3755-4688), by first removing the shift detent. Tighten the bracket in place, and replace the shift detent.

Set shift handle on the motor to the NEUTRAL position. Set shift handle on the Remote Control Box to the NEUTRAL position. Insert cable clamp into the vertically positioned slotted hole on the side of the forward carrying handle or the extended bracket. Turn the cable, lining up the eye in the cable-end bar with the pin on the shift handle. Slide the cable-end bar over the pin on the shift handle and close the spring clip over the bar. Check the shift for full travel. Tighten the clamp screw (509-5951) and locking nut (3945-6712) at the cable end bar. The clamp (3945-4653) positions cable for full travel, and care should be taken to set it properly.

B. SPEED CONTROL

Set the remote speed control handle forward to the FAST position - turn the twist grip control to the FAST position. Insert the cable clamp in the horizontally positioned slotted hole on the steering handle side of the forward carrying handle and turn to a locked position. Line up the cable end bar with the extended pin on the speed control gear. Lock the bar to the pin by closing the spring clip. Check the speed control lever for full travel, and tighten clamp screw (509-5951) and locking nut (3945-6712) at the cable end bar, making certain that clamp (3945-4653) is properly positioned.

MOUNTING REMOTE CONTROL BOXES TO BOAT

The Control Boxes may be mounted separately or stacked together. The boxes and cables as shipped are prepared for left (PORT) side mounting to boat, but can be easily converted to right (STARBOARD) mounting. Simply remove the two side screws separating the halves of the box. Turn the cable and handle 180°, seat the pivot pin (3945-4670) into the opposite half of the box as indicated by dotted line in illustration. This will bring the cable out the opposite end. The handle may also be turned to face either direction simply by unscrewing the cable from the slider pin (3945-4660), turn the handle 180° and screw the cable into the slider pin. Replace the two halves of the box with the two screws (497-5901). Be sure all washers and spacers are in place as shown in illustration. Mount the boxes to the boat using the two screws (3755-5846), lockwashers (3745-7219) and nuts (462-6701).

Remote controls are available in pre-cut lengths (with cable end fittings and control boxes attached to the cables) or in bulk. Instructions for fitting bulk cable into end fittings are included with the bulk kit, and the cable ends are inserted into boxes as shown in parts diagrams. Cable end must be screwed all the way into slider pin (3945-4660).

All remote control boxes are identical, and the box as shown with handle #3945-4667 is used as the shift control for all models (1954-1956). It is also used as the speed control on 16, 30 and 33 HP models (1954-1956).

The same box, inverted, is used with handle #3745-4666 as speed control on 5, 7.5 and 10 HP models (1954-1956). In this instance, the cable end fitting will connect with slider pin in the lower end of the handle.

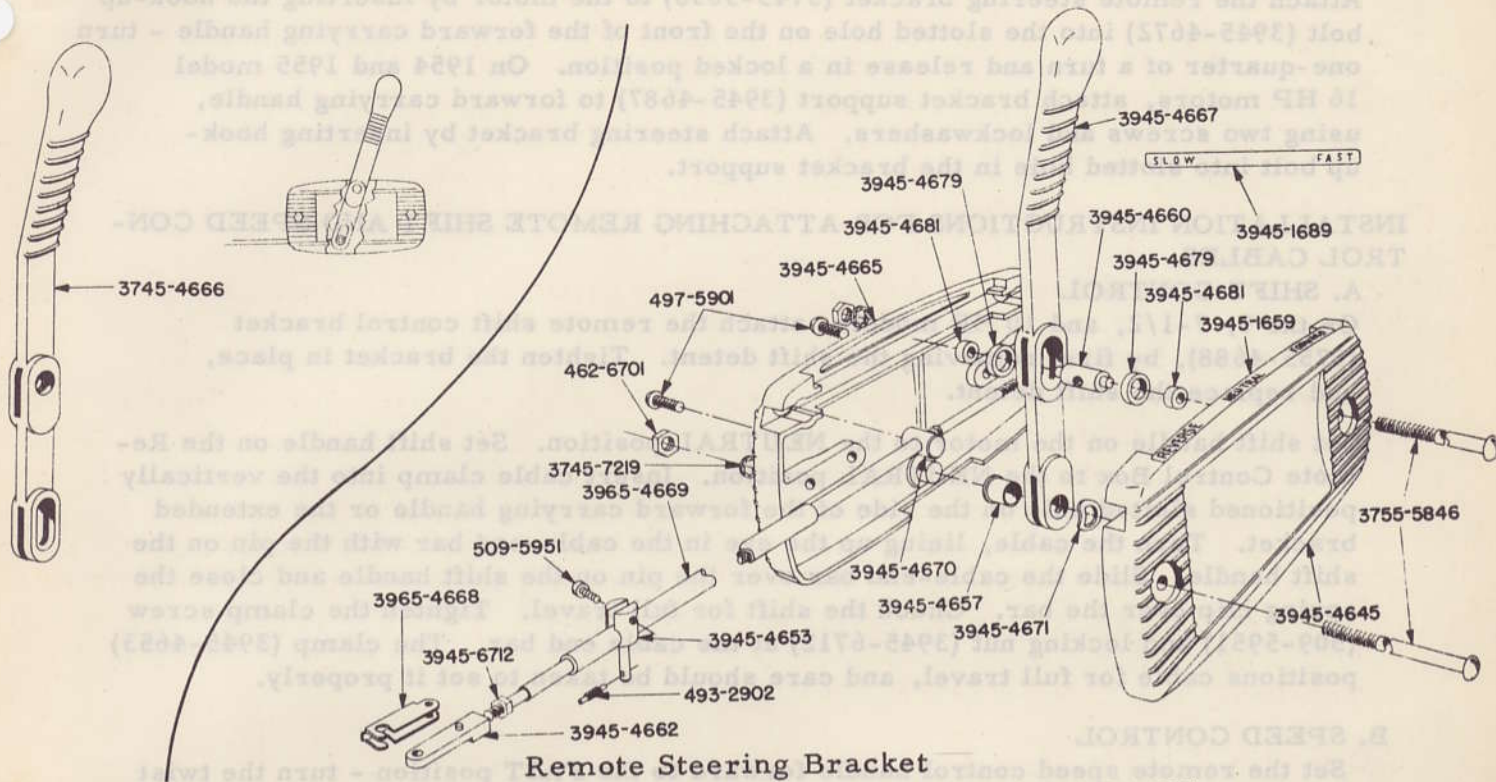
REMOTE CONTROL INSTALLATION INSTRUCTIONS

1954-1956 Models

Remote Shift - All Models

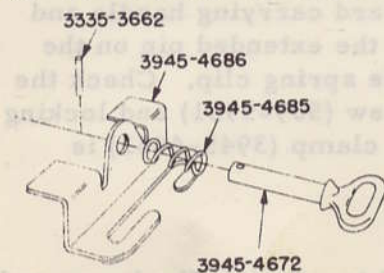
Remote Speed - 16 - 30 - 33 HP

Remote Speed - 5 - 7-1/2 - 10 HP

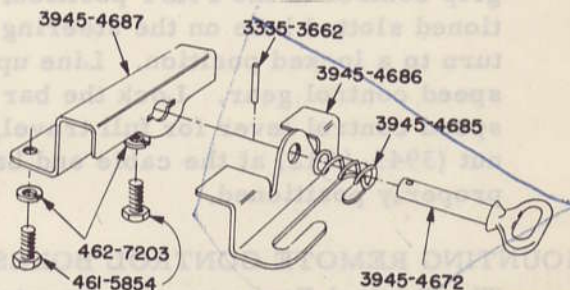


Remote Steering Bracket

5 - 7-1/2 - 10 - 16 (1956) - 30 - 33 HP



16 HP (1954-1955)



Part Number	Description
3945-1659	Decal - Remote Shift
3945-1689	Decal - Speed Indicator
493-2902	Pin
3335-3662	Roll Pin
3945-4645	Remote Control Box
3945-4653	Clamp
3945-4657	Bushing
3945-4660	Pin
3945-4662	Cable-end Bar
3945-4665	Cover - Remote Control Box
3745-4666	Lever - Speed
3945-4667	Lever - Shift
3965-4668	Spring Clip
3965-4669	Remote Control Cable
3945-4670	Pivot Pin

Part Number	Description
3945-4671	Washer
3945-4672	Hook-up Bolt
3945-4679	Roller
3945-4681	Roller
3945-4685	Spring
3945-4686	Remote Steering Bracket
3945-4687	Bracket Support
3755-4688	Bracket
3755-5846	Screw - Control box to Boat
461-5854	Screw
497-5901	Screw
509-5951	Screw
462-6701	Nut
3945-6712	Nut
462-7203	Lockwasher
3745-7219	Lockwasher

REMOTE SHIFT AND SPEED CONTROL - 3755-4675

5, 7-1/2 and 10 HP

IMPORTANT - Read Complete Instructions Before Starting Installation.

INSTALLATION INSTRUCTIONS FOR REMOTE STEERING BRACKET - 3745-3630

Attached the remote steering bracket (3745-3630) to the motor by inserting the hook-up bolt (3945-4672) into the slotted hole on the front of the forward carrying handle - turn one-quarter of a turn and release in a locked position.

INSTALLATION INSTRUCTIONS FOR ATTACHING REMOTE SHIFT AND SPEED CONTROL CABLES.

A. SHIFT CONTROL

Attach the Remote Shift Control Bracket (3755-4688) by first removing the two shift detent screws (480-5838) and removing the detent - tighten the bracket in place using the two lockwashers (3745-7219) and screws (464-5839). Replace shift detent.

Set the shift handle on the motor (3755-4330) to the NEUTRAL position.

Set the shift handle (3945-4667) on the Remote Control Box to the NEUTRAL position. Insert the cable clamp (3945-4653) into the slotted hole in the shift bracket (3755-4688) and turn, lining up the eye in the cable end bar to the pin and close the spring clip (3945-4668). Check the shift for full travel. Tighten the clamp screw (509-5951) and locking nut (3945-6712) at the cable-end bar.

B. SPEED CONTROL

Set the remote speed control handle forward to the FAST position - turn the twist grip control to the FAST position. Insert the cable clamp (3945-4653) into the horizontally located hole on the forward carrying handle FROM THE BOTTOM UPWARD and turn to a locked position. Line up the cable end bar (3945-4662) with the extended pin on the speed control gear. Attach the cable end bar to the pin and close the spring clip (3945-4668). Check the speed control for full travel. Tighten clamp screw (509-5951), and the locking nut (3945-6712) at the cable-end bar.

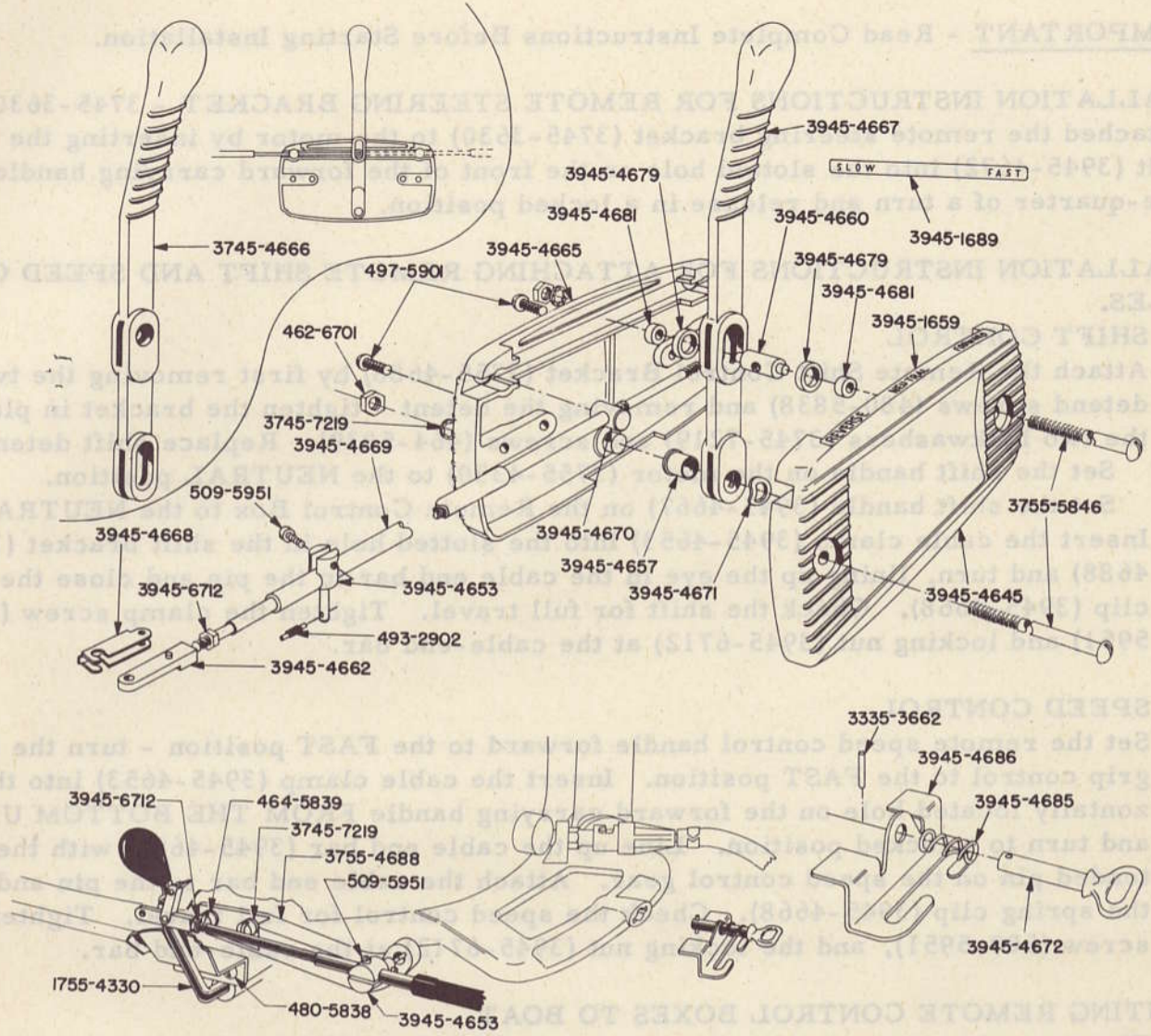
MOUNTING REMOTE CONTROL BOXES TO BOAT

The control boxes may be mounted separately or stacked together. The boxes and cables, as shipped, are prepared for left (PORT) end mounting to boat, but can be easily converted to right (STARBOARD) mounting. Simply remove the two side screws (497-5901) separating the halves of the box. Turn the cable and handle 180°, seat the pivot pin (3945-4670) into the opposite half of the box as indicated by dotted line in illustration. This will bring the cable out the opposite side. The handle may also be turned to face either direction, simply by unscrewing the cable from the slider pin (3945-4660). Turn the handle 180° and screw the cable into the slider pin. Replace the two halves of the box with the two screws (497-5901). Be sure all washers and spacers are in place as shown in illustration. Mount the boxes to the boat using the two screws (3755-5846), lockwashers (3745-7219), and nuts (462-6701).

You will note that one cable is one foot longer than the other. The longer cable is used to reach the control on the farthest side of the motor, depending upon which side of the boat the Control Boxes are mounted.

REMOTE CONTROL INSTALLATION INSTRUCTIONS

5 - 7½ - 10 HP

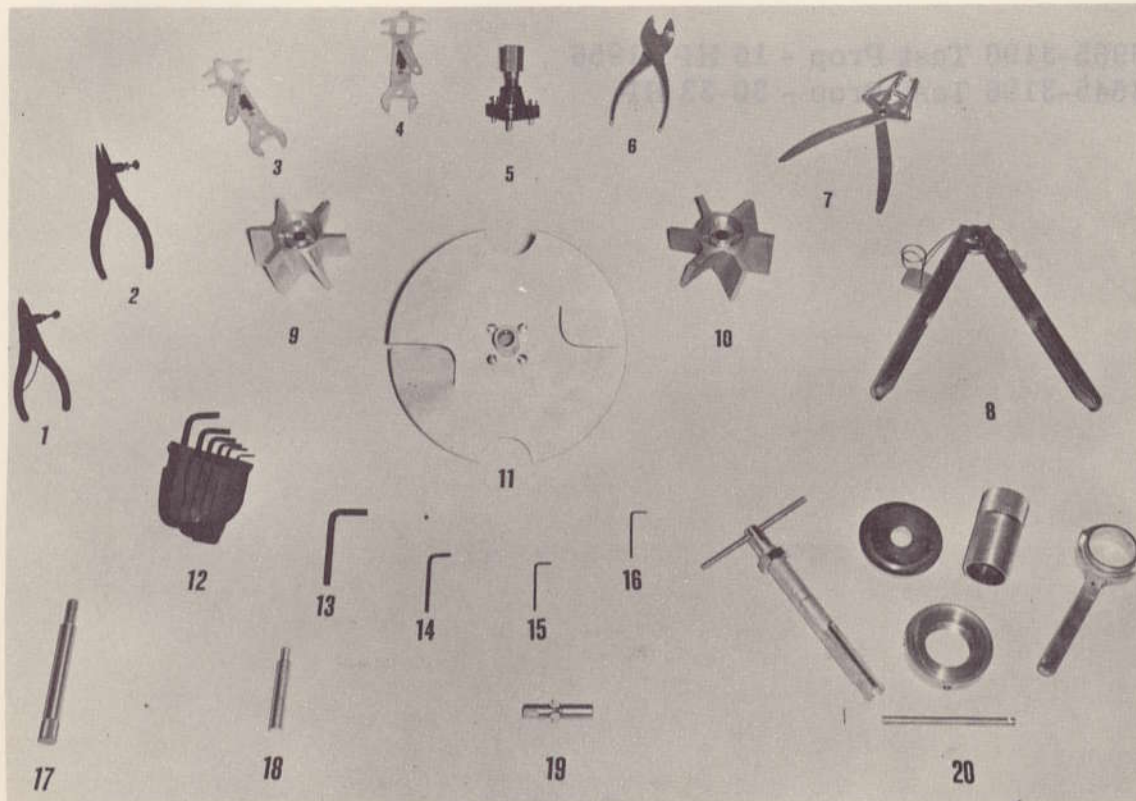


Part Number	Description
3945-1659	Decal - Remote Shift
3945-1689	Decal - Speed Indicator
493-2902	Pin
3335-3662	Roll Pin
3755-4330	Shift Handle
3945-4645	Remote Control Box
3945-4653	Clamp
3945-4657	Bushing
3945-4660	Pin
3945-4662	Cable-end Bar
3945-4665	Cover - Remote Control Box
3745-4666	Lever - Speed
3945-4667	Lever - Shift
3945-4668	Spring Clip
3945-4669	Remote Control Cable
3945-4670	Pivot Pin

Part Number	Description
3945-4671	Washer
3945-4672	Hook-up Bolt
3945-4679	Roller
3945-4681	Roller
3945-4685	Spring
3945-4686	Remote Steering Bracket
3755-4688	Bracket
480-5838	Screw - Detent
464-5839	Screw - Bracket
3755-5846	Screw - Control Box to Boat
497-5901	Screw
509-5951	Screw
462-6701	Nut
3945-6712	Nut - Cable-end Lock
3745-7219	Lockwasher

SPECIAL TOOLS

As in any profession, proper tools are a sign of good work done right. "A specific job, plus the right tool, equals efficiency." Below is a list of special tools available to you through your distributor. See Master Numerical Parts Price List for costs.



- | | |
|---|--|
| 1. #2 Tru-Arc Pliers | 11. 509-3196 Test Prop - 16 HP |
| 2. #4 Tru-Arc Pliers | 12. Bristol Wrench Set |
| 3. 480-8900 Handi Wrench Assembly | 13. 509-8907 Bristol Spline Wrench |
| 4. 491-8900 Handi Wrench Assembly | 14. 5011-8904 Bristol Spline Wrench |
| 5. SK-1680 Flywheel Puller | 15. #8 Bristol Wrench |
| 6. Corbin Hose Clamp Pliers | 16. 509-8909 Bristol Spline Wrench |
| 7. U-141 Piston Ring Expansion Tool | 17. SK-5175 Piston Pin Inserter 10-16 HP |
| 8. 3220-0 Ferrule Contracting Tool | 18. SK-6324 Piston Pin Inserter 3.5, 5, 7 1/2 HP |
| 9. SK-7108 - 5 HP, SK-7109 - 7.5 HP,
SK-7110 - 10 HP Test Prop L.H. | 19. A48-618 Torque Wrench Adaptor |
| 10. SK-7105 - 5 HP, SK-7106 - 7.5 HP,
SK-7107 - 10 HP Test Prop R.H. | 20. A50-635 Lower Unit Tool Set - 16 HP |

THROTTLE BUTTERFLY CONTROL KITS

These kits are used to hook up remote control of the throttle butterfly. It gives a simple, inexpensive means of controlling boat speed from the driver's cockpit. All racing motors use this type of control on the motor in conjunction with a crash-throttle that will automatically slow the motor down when the driver releases his grip on the handles. A simple throttle control lever, like B20-9262 listed in your Accessory Catalog, can also be used.

This type of control actuates only the throttle butterfly - the magneto position must be controlled separately by moving the speed control lever on the motor. Synchronized control of both spark and throttle is achieved by using the Remote Shift and Speed Control Kits listed in the Accessory Catalog.

Installation on Models to 10 HP

Remove the carburetor from the motor and eliminate the synchronous control mechanism. Remove the two screws that hold the carburetor knob stop under the carburetor bowl and install the cast bracket as shown in the diagram. File or grind off the end of the throttle shaft, remove the old lever, and remove the butterfly. Reverse the throttle shaft and replace the butterfly. Clamp the new swivel lever on the shaft so it is vertical when the throttle butterfly is half-way open.

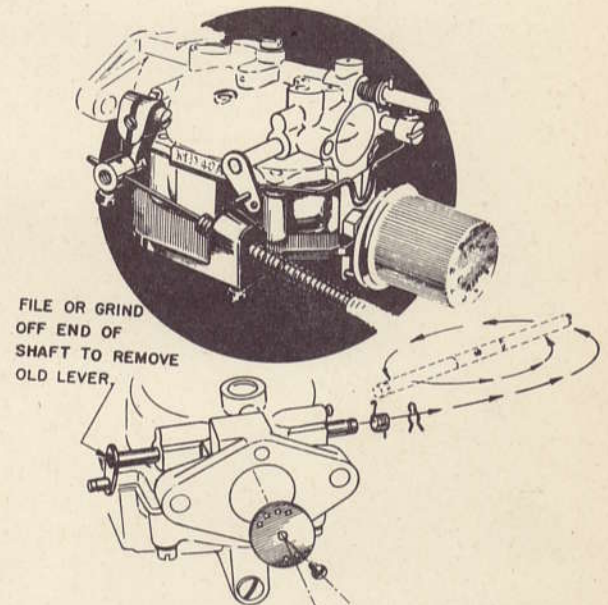
If this kit is used on the model 483 or 493, the bracket that holds the choke assembly will have to be removed and some other means devised for choking the motor.

Installation on 16 HP Model

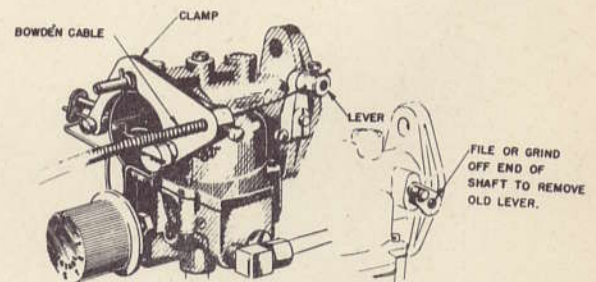
Install the cast bracket as shown, making sure the position of the large headed screw has not been changed so much that the choke wire will bind when the knob is pressed in. File or grind off the end of the shaft, remove the old lever and clamp the new swivel lever on so it is near vertical when the throttle is half open. The synchronous control mechanism must be eliminated.

Installation on the Boat

After mounting the desired type of lever on the boat, bring the Bowden cable back to the motor and clamp the casing in the bracket. Set the control lever at the slow position, then clamp the wire in the swivel lever with the butterfly in the closed position. The movable lever on the boat should be installed so that pushing it forward will increase speed, pulling it back will slow the motor down.



Throttle Butterfly Control for Motors to 10 HP
518-4680



Throttle Butterfly Control for 16 HP Motor
509-4680

Application of Major Scott-Atwater Accessories (Cont.)

ACCESSORY NUMBER	DESCRIPTION	FOR THIS MODEL				
		3765	3365	3865	3965	3665
3765-4675	Remote Control Kit	X	X	X		
3965-4675	Remote Control Kit				X	X
3745-8823	Stowaway Tank	X				
3345-8823	Stowaway Tank		X	X	X	X
3755-5814	Salt Water Flushing Kit	X	X	X	X	
3655-4150	Elect. Starter Kit					X
3965-4150	Elect. Starter Kit				X	
B3-40	Motor Case	X				
B3-75	Motor Case		X	X		
B4-750	Powerhead Cover	X	X	X		
B22-10	Powerhead Cover				X	X
B22-80	Powerhead Cover	X	X	X		

WIZARD (Continued)

Year	Model	Serial No.	FOB	Cash Value
1955	Wizard-Model WH-6	835971 thru 845970	\$189.50	
2 Cyl.; B&S 1 3/4" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; Prop. dia. & pitch 6 3/4" x 6 1/2"; 2 Bl; C. P. Gap .018; S. P. Gap .030; Safety Clutch; Wt. 40 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 25 pts; Run. time full tank 6 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.				
1955	Wizard-Model WM-7	826920 thru 830919 887979 thru 888004	\$259.50	
2 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10"; 3 Bl; C. P. Gap .020; S. P. Gap .035; Shear Pin 3/16" x 61/64 Bronze; Wt. 62 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.				
1955	Wizard-Model WN-7	84573 thru 851972	\$319.50	
2 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/2" x 10 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .035; Safety Clutch; Wt. 72 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.				
1956	Super 5			
2 Cyl.; B&S 1 3/4" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; 2 Bl; Wt. 42 lbs.; Fuel Cap. 34 pts.; Robot Rewind starter.				
1956	Super 10			
2 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 10 @ 4000 RPM; 3 Bl; Wt. 62 lbs.; Fuel Cap. 48 pts.; Robot Rewind starter.				
1956	Powermatic 12			
2 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 12 @ 4000 RPM; 2 Bl; Wt. 72 lbs.; Fuel Cap. 48 pts.; Robot Rewind starter.				
1956	Super Power 25			
4 Cyl.; B&S 2-7/64" x 2 1/4"; P. Disp. 29.78; HP 25 @ 2500 RPM; 2 Bl; Wt. 106 lbs.; Fuel Cap. 48 pts.; Robot Rewind or Electric starter.				

WIZARD
Western Auto Supply Co.
2107 Grand Ave., Kansas City 8, Missouri

Year	Model	Serial No.	FOB	Cash Value
1946	Standard Single WD-3		\$139.50	
1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 2 hrs; Water Cooled; Cord Starter.				
1946	Standard Twin WD-4		\$159.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .025; S. P. J8J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Cord Starter.				
1947-48	Deluxe Single WD-3S		\$139.50	
1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 2 hrs; Water Cooled; Automatic Rewind Starter.				
1947-48	Deluxe Twin WD-4S		\$159.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1949-50	Super Twin WF-4		\$169.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-5/8" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1950	Super-Ten WF-7		\$249.50	
2 Cyl; B&S 2-11/32" x 2-1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 11", 3 Bl; C. P. Gap .020; S. P. J8J, Gap .025; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1951	Super Twin WG-4		\$179.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 3/4 pts. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1951	Super Ten WG-7		\$269.50	
2 Cyl; B&S 2-11/32" x 2-1/8"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1952	Super Twin WG-4		\$189.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1952	Super Ten WG-7		\$279.50	
2 Cyl; B&S 2-11/32" x 2-3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1952	Powermatic, Super-Ten WH-7		\$319.50	
2 Cyl; B&S 2-11/32" x 2-1/8"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 8" x 9", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .040; Shear Pin 1" x 3/16" bronze; Wt. 70 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Gear Lub. Hypoid; Water cooled; Automatic Rewind Starter.				
1953	Super Twin WG-4		\$189.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1953	Super Ten WG-7		\$279.50	
2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1 1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1953	Powermatic Super-Ten WH-7		\$329.50	
2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 8" x 9", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .040; Shear pin 1" x 3/16" bronze; Wt. 70 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1 1/2 hrs; Gear Lub. Hypoid; Water cooled; Automatic Rewind Starter.				
1954	WG-4		\$184.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7 5/8" x 7"; 2 Bl; C.P. Gap .020; S. P. J-7-J; Gap .030; Shear Pin 1" x 3/16", steel; Wt. 49 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 7 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Waterproof gear lub.; Auto. rewind starter.				
1954	WJ-7	733088 to 744087	\$264.50	
2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 2 1/2" x 10"; 3 Bl; C. P. Gap .018; S. P. J-8-J Gap .035; Shear Pin 1" x 3/16", Steel; Wt. 62 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 24 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. EP-90; Auto. rewind starter.				
1954	WK-7	740088 to 748087	\$324.50	
2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 12 @ 4000 RPM; Prop. dia. & pitch 8" x 9"; 2 Bl C. P. Gap .018; S. P. J-7-J Gap .035; Shear Pin (none) Wt. 72 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 24 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. EP-90; Auto. rewind starter.				

WIZARD (Continued)

Year	Model	Serial No.	FOB	Cash Value
1955	Wizard-Model WH-6	835971 thru 845970	\$189.50	
2 Cyl; B&S 1 1/2" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/2"; 2 Bl; C. P. Gap .018; S. P. Gap .030; Safety Clutch; Wt. 40 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 25 pts; Run. time full tank 6 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.				
1955	Wizard-Model WM-7	826920 thru 830919 887979 thru 888004	\$259.50	
2 Cyl; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10"; 3 Bl; C. P. Gap .020; S. P. Gap .035; Shear Pin 3/16" x 61/64 Bronze; Wt. 62 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.				
1955	Wizard-Model WN-7	84573 thru 851972	\$319.50	
2 Cyl; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/2" x 10 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .035; Safety Clutch; Wt. 72 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.				

WIZARD
Western Auto Supply Co.
2107 Grand Ave., Kansas City 8, Missouri

Year	Model	Serial No.	FOB	Cash Value
1946	Standard Single WD-3		\$139.50	
1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 2 hrs; Water Cooled; Cord Starter.				
1946	Standard Twin WD-4		\$159.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .025; S. P. J8J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Cord Starter.				
1947-48	Deluxe Single WD-35		\$139.50	
1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 2 hrs; Water Cooled; Automatic Rewind Starter.				
1947-48	Deluxe Twin WD-45		\$159.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1949-50	Super Twin WF-4		\$169.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-5/8" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1950	Super-Ten WF-7		\$249.50	
2 Cyl; B&S 2-11/32" x 2-3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 11", 3 Bl; C. P. Gap .020; S. P. J8J, Gap .025; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1951	Super Twin WG-4		\$179.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 3/4 pts. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1951	Super Ten WG-7		\$269.50	
2 Cyl; B&S 2-11/32" x 2-1/8"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1952	Super Twin WG-4		\$189.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1952	Super Ten WG-7		\$279.50	
2 Cyl; B&S 2-11/32" x 2-3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1952	Powermatic, Super-Ten WH-7		\$319.50	
2 Cyl; B&S 2-11/32" x 2-1/8"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 8" x 9", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .040; Shear Pin 1" x 3/16" bronze; Wt. 70 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Gear Lub. Hypoid; Water cooled; Automatic Rewind Starter.				
1953	Super Twin WG-4		\$189.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1953	Super Ten WG-7		\$279.50	
2 Cyl; B&S 2-11/32" x 2 3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1 1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1953	Powermatic Super-Ten WH-7		\$329.50	
2 Cyl; B&S 2-11/32" x 2 3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 8" x 9", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .040; Shear pin 1" x 3/16" bronze; Wt. 70 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1 1/2 hrs; Gear Lub. Hypoid; Water cooled; Automatic Rewind Starter.				
1954	WG-4		\$184.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7"; 2 Bl; C.P. Gap .020; S. P. J-7-J; Gap .030; Shear Pin 1" x 3/16", steel; Wt. 49 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 7 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Waterproof gear lub.; Auto. rewind starter.				
1954	WJ-7	733088 to 744087	\$264.50	
2 Cyl; B&S 2-11/32" x 2 3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 2 1/2" x 10"; 3 Bl; C. P. Gap .018; S. P. J-8-J Gap .035; Shear Pin 1" x 3/16", Steel; Wt. 62 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 24 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. EP-90; Auto. rewind starter.				
1954	WK-7	740088 to 748087	\$324.50	
2 Cyl; B&S 2-11/32" x 2 3/4"; P. Disp. 18.34; HP 12 @ 4000 RPM; Prop. dia. & pitch 8" x 9"; 2 Bl; C. P. Gap .018; S. P. J-7-J Gap .035; Shear Pin (none) Wt. 72 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 24 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. EP-90; Auto. rewind starter.				

VOYAGER
Outboard Motor Brands, Inc.
P. O. Box 994, Minneapolis, Minn.

Year	Model	Serial No.	FOB	Cash Value
1950	1-VA Standard Single		\$132.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal. Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.				
1950	2-VA Deluxe Single		\$147.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 2/16" x 1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal.; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1950	4-VA Deluxe Lite Twin		\$195.00	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. 8-1/4" x 8-3/8", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1951	1-VA Standard Single		\$132.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7; S. P. Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Rope starter.				
1951	2-VA Deluxe Single		\$159.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7 Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Pull-O-Matic starter.				
1951	4-VA Deluxe Lite Twin		\$199.50	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-3/8", 3 Bl; C. P. Gap .018; S. P. Champion No. 7 Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Othd Grease; Water cooled; Pull-O-Matic starter.				
1952	1-VA Standard Single		\$132.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7; S. P. Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Rope starter.				
1952	2-VA Deluxe Single		\$159.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7 Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs, Gear lub. Othd. Grease; Water cooled; Pull-O-Matic starter.				
1952	4-VA Deluxe Lite Twin		\$199.50	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-3/8", 3 Bl; C. P. Gap .018; S. P. Champion No. 7 Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Pull-O-Matic starter.				
1953	V-2L Fisherman Spec.		\$127.50	
1 Cyl; B&S 2-1/16" x 1 1/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 42 approx.; Oil 3/4 pt.; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2 1/2 hrs; Gear lub. Outboard Motor Gear Lubr.; water cooled; Automatic rewind starter.				
1953-54	V-3L-GS Gear Shift		\$198.50	
2 Cyl; B&S 1 1/2" x 1 1/4"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 46 lbs. approx; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1 1/2 hrs; Gear lub. 1" or 2"; water cooled; Automatic rewind starter.				
1953	V-4L-GS Gear Shift		\$237.50	
2 Cyl; B&S 2 1/8" x 1 1/4"; P. Disp. 12.41; HP 8.5 @ 4300 RPM; Prop. dia. & pitch 8" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 56 lbs. approx; Oil 3/4 pt; SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 1/2 hrs; Gear lub 1" or 2". Water cooled; Automatic rewind starter.				
1953	V-6L-GS Gear Shift			
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 12.0 @ 4300 RPM; Prop. dia. & pitch 8" x 11 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear pin 3/16" x 1-1/16" Wt. 59 1/2 lbs; Oil 3/4 pt; SAE-30 per gal; Fuel cap. 6** gal; Run. time full tank 4 hrs; Gear lub. 1" or 2"; water cooled; automatic rewind starter.				
1954-55	V-2LL Fisherman Spec.		\$137.50	
1 Cyl; B&S 2-1/16" x 1 1/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. 1" or 2"; Automatic rewind starter.				
1954-55	V3-LL-GS		\$198.50	
2 Cyl; B&S 1 1/2" x 1 1/4"; P. Disp. 9.66; HP 5 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 46 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1" or 2"; Automatic rewind starter.				
1954-55	V4-LL-GS		\$209.50	
2 Cyl; B&S 1 1/2" x 1 1/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 12 pts. Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1" or 2"; Vo 5506 Automatic rewind starter.				

SILVERTROL
 Electric trolling motor
 Silver Creek Precision Corporation
 Silver Creek, N. Y.

Year	Model	Serial No.	FOB	Cash Value
1953	Silvertrol	S-25	\$74.50	
MPH Low-1.46 High-3.30; HP-High @ 1300 RPM, 27 amps, HP-Low @ 592 RPM, 11 amps; Prop. dia. & pitch 7-3/16" x 4 1/8"; 2 or 3 Bl; Shear pin 5/32", carbon steel; 6 lbs; Approx. Run. time 4-hr. at full speed, 2 days at normal speed on 6 volt-Auto Battery without recharging; Underwater cooling; Switch starting.				
1954-55	Silvertrol	S-25	\$74.50	
MPH Low-1.46 High 3.30; HP-High @ 1300 RPM, 27 amps, HP-Low @ 592 RPM, 11 amps; Prop. dia. & pitch 7-3/16" x 4 1/8"; 2 or 3 Bl; Shear Pin 5/32", carbon steel; 6 lbs; Approx. Run. time 4-hr. at full speed, 2 days at normal speed on 6 volt-Auto Battery without recharging; Underwater cooling; Switch starting.				
1956	Silvertrol	Model S-56		
M.P.H. Low 1.46—High 3.30; HP High @ 1300 R.P.M., 27 Amps, HP-Low @ 592 RPM., 11 Amps; Prop dia. and pitch 7-3/16" x 4-1/8"; 2 Blade. Shear Pin; Wt. 21 lbs; New Transom Bracket and Adjustment; Four position handle; Fresh or Salt water. Running Time—4 hours at full speed, 2 days fishing at low speed—6 Volts Auto Battery without recharging. Can run on 6-12 or 18 Volts. Two speeds on each voltage; Underwater Cooling.				
1956	Silvertrol	Model 26-S (same as 25-S)		
M.P.H Low 1.46—High 3.30; HP High @ 1300 R.P.M., 27 Amps, HP-Low @ 592 RPM., 11 Amps; Prop dia. and pitch 7-3/16" x 4 1/8"; 2 Blade. Shear Pin; Wt. 21 lbs; Approx. running time—4 hrs. at full speed; 2 days fishing at low speed, 6 Volts Auto Battery without recharging. Can run on 6-12 or 18 Volts. Two speed on each voltage; Underwater Cooling.				

SEA KING (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	Deluxe	60-9000	\$105.00	
1 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin 1/8" x 7/8" s/s Wt. 30 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4 pts.; Run. time full tank 1 1/4 hr.; Water Cooled; Gear lub. Outboard Grease; Rope Rewind starter.				
1956	Standard	60-9001	\$125.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin 3/16" x 15/16" alum; Wt. 45 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 6 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Outboard grease; Rope Rewind starter.				
1956	Deluxe	60-9002	\$169.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin None; Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind starter.				
1956	Standard	60-9016	\$233.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin Special Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind starter.				
1956	Deluxe	60-9021	\$285.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030 Shear Pin Special; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48* pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind starter.				
1956	Deluxe-Electric Start.	60-9024	\$365.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin Special; Wt. 66 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 16 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind starter.				
1956	25 HP	60-9022	\$375.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin 1/4" x 1 1/4" Brass; Wt. 119 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48* pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind & Electric starter.				
1956	25 HP Electric Starter	60-9023	\$455.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin 1/4" x 1 1/4" Brass; Wt. 129 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48* pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind & Electric starter.				

* Separate fuel system

SEA KING (Continued)

Year	Model	Serial No.*	FOB**	Cash Value
1953	Deluxe Single	9004	\$ 98.00	
2 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin 1/4" x 7/8", stainless; Wt. 29 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Outboard Gear Grease Lubr; Automatic Rewind starter.				
1953	Standard Twin	9014	\$131.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin 3/16" x 15/16", aluminum; Wt. 45 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Outboard Gear Grease Lubr; Automatic Rewind starter.				
1953	Deluxe Twin	9015	\$145.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin none; Wt. 46 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; SAE-90 Hypoid oil; Automatic Rewind starter.				
1953	Standard Twin	9017	\$204.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/4" varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin .211/206, Stainless steel; Wt. 66 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Outboard Gear grease Lubri; Automatic Rewind Starter.				
1953	Deluxe Twin	9018	\$232.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin special; Wt. 64 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 12 pts; Run. time full tank 3/4 hrs; Water cooled; SAE 90 Hypoid oil; Automatic Rewind.				
1954	Deluxe Single	9004	\$104.50	
1 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.32 HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin 1/4" x 3/8" stainless; Wt. 29 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Outboard Gear Grease Lubr; Automatic Rewind starter.				
1954	Standard Twin	9014	\$129.88	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl. C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin 3/16" x 15/16", aluminum; Wt. 45 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Outboard Gear Grease Lubr; Automatic Rewind starter.				
1954	Deluxe Twin	9015	\$159.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin none; Wt. 46 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 7 pts; Run time full tank 1 hr; Water cooled; SAE-90 Hypoid oil; Automatic Rewind starter.				
1954	Deluxe Twin	9016	\$249.50	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl.; C.P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin "Special"; Wt. 66 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 8 pts; Run time full tank 1 hr; Water cooled; SAE-90 Hypoid Oil; Automatic rewind starter.				
1955		GG 9001A	\$119.88	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955		GG 9001B	\$119.88	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955		GG 9004A	\$103.50	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 7/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955		GG 9004B	\$103.50	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 7/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955		GG 9013A	\$166.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None Used; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.				
1955		GG 9016A	\$242.50	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic Rewind starter.				
1955		GG 9019A	\$399.50	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter. * Bosun Fuel System				
1955		GG 9020A	\$495.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Electric & Automatic Rewind starter. * Bosun Fuel System				

* Montgomery Ward Model Numbers—Not Serial Numbers.
** List Price FOB Chicago Mail Order House.

Sk 5506
(Replace Sk 5405)

SEA KING (Continued)

Year	Model	Serial No.*	FOB**	Cash Value
1950	Standard Single	9003	\$ 49.50**	
1 Cyl; B&S 1-5/8" x 1-1/4"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1950	Standard Single	9009	\$ 77.50**	
1 Cyl; B&S 2-3/8" x 1-1/4"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J; Shear Pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 4 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1950	Deluxe Twin	9014	\$109.50**	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J7J Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1950	Deluxe Twin	9017	\$185.50**	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94 HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin .210" x 1-3/16" Stainless steel; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1951	Standard Single	9009	\$ 93.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Rope starter.				
1951	Deluxe Single	9004	\$101.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal. Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1951	Standard Twin	9014	\$134.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.				
1951	Deluxe Twin	9015	\$148.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time tank 1 hr; Water cooled; Gear lub. SAE-90 Hypoid oil; Automatic rewind starter.				
1951	Standard Twin	9017	\$214.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin .210" x 1-3/16", alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE-30 Hypoid oil; Automatic rewind starter.				
1951	Deluxe Twin	9018	\$237.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	Deluxe Single	9004	\$101.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal. Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1952	Deluxe Twin	9015	\$148.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE-90 Hypoid oil; Automatic rewind starter.				
1952	Deluxe Twin	9018	\$237.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				

* Montgomery Ward Model Numbers—Not Serial Numbers.

** List Price FOB Chicago Mail Order House.

SEA KING
 Montgomery Ward and Company
 West Chicago Avenue, Chicago, Illinois

Year	Model	Serial No.*	FOB	Cash Value
1936-41	Super Twin	8811		
2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.9; HP 8.5 @ 4000 RPM; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 15/16", Alum; Wt. 78 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Rope Starter.				
1938-46	Large Twin	8810-8816-8817		
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10.2; HP 5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4". 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 15/16", Alum; Wt. 78 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs. to 2 hrs. 30 min.; Water Cooled; Recoil Starter.				
1939-47	Midget Single	8809-8812-8822		
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.0; HP 1 @ 3750 RPM; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 5/32" x 3/4", Alum; Wt. 13 lbs; Oil 1/3 pt. SAE-30 per gal; Fuel cap. 1-3/4 pts; Run. time full tank 1 hr. 30 min. to 2 hrs; Water Cooled; Rope Starter.				
1940-41	Large Single	8821		
1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 2.9 @ 4000 RPM; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 31/32", Alum; Wt. 28 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Rope Starter.				
1940-42	Giant Twin	8818		
2 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 25.0; HP 15.2 @ 4000 RPM; S. P. Champion 6M or J-9, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 88 lbs; Oil 1-1/2 pt. SAE-30 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min. to 2 hrs; Water Cooled; Rope Starter.				
1941-47	Large Single	8814-9006		
1 Cyl; B&S 1-5/16" x 1-1/2"; P. Disp. 5.49; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/16" x 15/16", Alum; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs. to 2 hrs. 30 min.; Water Cooled; Rope Starter.				
1941-47	Large Twin	8826-79012		
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 15/16", Alum; Wt. 48 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. to 1 hr. 30 min.; Water Cooled; Recoil Starter.				
1946-48	Light Twin	9006		
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.3 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 15/16", Alum; Wt. 34 lbs; Oil 1/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Recoil Starter.				
1948	Standard Single	9003		
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 7/8", Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. Water Cooled; Rope Starter.				
1948	Standard Single	9007		
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1948	Deluxe Twin	9014		
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1948	Deluxe Twin	9017		
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 13/64" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1949	Standard Single	9003	\$ 62.50**	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x varying pitch, 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 1/8" x 7/8", Stainless Steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs; Water Cooled; Rope Starter.				
1949	Standard Single	9007	\$ 86.50**	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7". 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rope Starter.				
1949	Standard Single	9009	\$ 83.50**	
1 Cyl; P&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x varying pitch, 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 1/8" x 7/8", Stainless Steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.				
1949	Deluxe Twin	9014	\$126.50*	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x varying pitch, 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1949	Deluxe Twin	9017	\$199.50**	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4" x varying pitch, 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 13/64" x 1-3/16", Alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				

* Montgomery Ward Model Numbers—Not Serial Numbers.

** List Price FOB Chicago Mail Order House.

SEA FLYER
B. F. Goodrich Co.
Akron, Ohio

Year	Model	Serial No.	FOB	Cash Value
1952	45-050		\$117.50	
1 Cyl; P&S 2-1/2" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear Pin 1/4" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1952	45-060		\$161.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	45-070		\$258.00	
2 Cyl; B&S 2-3/4" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1953	Sea Flyer	G-2L	\$119.50*	
1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4200 RPM; Prop dia. & pitch 8" x 5 1/4"; 2 Bl; C. P. Gap .018; S. P. Champ. 7; Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 42 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. OM; Automatic rewind starter.				
1953	Sea Flyer	G-3LGS	\$179.95*	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Gap .035; Shear pin 3/16" x 1-1/16"; Brass; Wt. 46 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. 1** or 2**; Automatic rewind starter.				
1953	Sea Flyer	G-4L-GS	\$225.00*	
2 Cyl; B&S 2 1/8" x 1 3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 8" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. 7; Gap .030; Shear pin 3/16" x 1-1/16" Brass; Wt. 58 lbs; Oil 3/4 pt; SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1 or 2; Automatic rewind starter.				
1954	G-3LL-G.S.	45-O87	\$179.95	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S.P. Champ. J7J; Shear Pin 3/16" x 1-1/16"; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954	G-3LL	45-O89	\$159.50	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Shear Pin 3/16" x 1-1/16", alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954	G-4LL-G.S.	45-O91	\$219.95	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Shear Pin 3/16" x 1-1/16"; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954	G-6LL-G.S.	45-O92	\$335.00	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J; Shear Pin 3/16" x 1-1/16", brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				

No Motors Being Sold in 1955 or 1956

* Slightly higher in West
 ** (1) Champ. Lower Unit Oil (2) EP-90- oil or Equivalent

SEA BEE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	225-3606	3D13G	\$126.95	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/8" x 1/8" s/s; Wt. 30 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4 pts.; Run. time full tank 1 1/4 hr.; Water cooled; Gear lub. Outboard Gear Grease; Automatic Rewind starter.				
1956	225-3607	5512G	\$163.95	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/4" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 15/16" Alum.; Wt. 45 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 6 1/2 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Outboard Gear Grease; Automatic Rewind starter.				
1956	225-3608	5D12G	\$204.95	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin None; Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 7 1/4 pts.; Run. time full tank 1 hr.; water cooled; Gear lub. Hypoid; Automatic Rewind starter.				
1956	225-3609	12D13G	\$339.95	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin Special Type; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.				
1956	225-3610	22D11G	\$430.00	
2 Cyl; B&S 2 7/8" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/4" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/4" Naval Brass; Wt. 119 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.				
1956	225-3611	22DE11G	\$520.00	
2 Cyl; B&S 2 7/8" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/4" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/4" Naval Brass; Wt. 129 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Electric starter.				

SEA-BEE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1953	3D10G	Deluxe	\$117.50	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025 Shear Pin 1/4" x 7/8" stainless; Wt. 29 lbs; Oil 1/2 pt. SAE 30 per gal; Fuel cap. 4 pts., Run. time full tank 1 1/2 hrs; Water cooled; automatic rewind starter.				
1953	5S10G	Standard	154.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16" Wt. 45 lbs; Oil 1/2 pt. SAE 30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled, automatic rewind starter.				
1953	5D10G	Delux	\$169.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin none; Wt. 46 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled, Gear Lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1953	12S10G	Standard	\$234.95	
2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 2 Bl; C. P. Cap .030; S. P. Champion J6J, Gap .025; Shear pin .210" x 1-3/16"; Wt. 66 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; water cooled; automatic rewind starter.				
1953	12D10G	Deluxe	\$258.50	
2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin Spec; Wt. 64 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 3/4 hr; water cooled; Gear Lub. SAE 90 Hypoid oil; automatic rewind starter.				
1954	3D11G		\$121.95	Zone 1
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. lower unit lub. grease; Automatic rewind starter.				
1954	5S10G		\$159.95	Zone 1
2Cyl; B & S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; Automatic rewind starter.				
1954	5D10G	Deluxe	\$185.95	Zone 1
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic rewind starter.				
1954	12D11G		\$238.95	Zone 1
2 Cyl; B&S 2 1/8" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020 S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt. SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic rewind starter.				
1955	225-3574		\$121.95	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 7/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub Gear Grease; Automatic Rewind starter.				
1955	225-3602		\$161.95	
2 Cyl; B&S 7 1/2" x 7 1/4"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955	225-3603		\$188.95	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl. C. P. Gap .020; S. P. Gap .030; Shear Pin None Used; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter				
1955	225-3572		\$285.85	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.				
1955	225-3604		\$410.00	
2 Cyl; B&S 2 3/4" x 2 3/4"; P Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.				
* Bosun Fuel System				
1955	225-3605		\$505.00	
2 Cyl; B&S 2 3/4" x 2 3/4"; P Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hr; Water cooled; Gear lub. Hypoid Oil; Electric & Automatic Rewind starter.				
* Bosun Fuel System				

SEA-BEE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1950	025-3562 (1G5)		\$ 49.50 East 51.50 West	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 1/4" x 1/2", stainless steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1950	025-3566 (1G9)		\$ 84.50 East 86.50 West	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J; Shear Pin 1/4" x 1/2", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Rope Starter.				
1950	3564 (2G7)		\$124.50 East 126.50 West	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1950	3565 (2G8)		\$198.50 East 201.00 West	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. pitch 9-1/4" varying; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin .210" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1951	3D10G		\$117.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1951	5S10G		\$154.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.				
1951	5D10G		\$169.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1951	12S10G		\$236.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin .210" x 1-3/16", alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1951	12D10G		\$268.50	
2 Cyl; B&S 2-3/8" x 2-1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE-90 Hypoid oil; Automatic rewind starter.				
1952	025-3567		\$117.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 1/4" x 1/2", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1952	025-3569		\$169.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	025-3571		\$268.50	
2 Cyl; B&S 2-3/8" x 2-1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE-90 Hypoid oil; Automatic rewind starter.				

SEA-BEE
Goodyear Tire and Rubber Co.
Akron, Ohio

Year	Model	Serial No.	FOB	Cash Value
1946	135		\$ 82.50 List	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1946	256A		\$116.50 List	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 46 lbs; Oil 1/2 pts. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1947	1G1		\$ 84.00 List	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 34 min; Water Cooled; Rope Starter.				
1947	2G2		\$120.95 List	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 46 lbs; Oil 1/2 pts. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1947	1G4		\$ 89.95 List	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1947	2G3		\$129.50 List	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 48 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1948	1G5		\$ 59.75 List	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 7/8" Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1948	1G6		\$ 89.95 List	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1948	2G7		\$129.50 List	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1948	2G8		\$199.95 List	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 7/8" stainless steel; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1949	025-3562 (1G5)		\$ 64.50 East 66.50 West	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 21 lbs.; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1949	3563 (1G6)		\$ 98.50 East 100.50 West	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1949	3564 (2G7)		\$137.50 East 139.50 West	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr.; Water Cooled; Automatic Rewind Starter.				
1949	3565 (2G8)		\$215.00 East 217.50 West	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear pin .210" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				

SCOTT-ATWATER (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	Sportster	3065-1001	\$114.50	
1 Cyl; B&S 2 1/4" x 1 1/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 36 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 2 1/4 hr.; Water cooled; Gear lub. Outboard grease; Recoil starter.				
1956	5 HP Ball-A-Matic	3765-1001	\$214.50	
2 Cyl; B&S 2-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 45 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 28 pts.; Run. time full tank 5 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	7.5 HP Ball-A-Matic	3365-1001	\$239.50	
2 Cyl; B&S 2" x 1 1/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 49 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 6 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	10 HP Ball-A-Matic	3865-1001	\$314.50	
2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/4" x 9 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 58 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 5 1/4 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	16 HP Ball-A-Matic	3965-1001	\$357.50	
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 10"; 2 Bl; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/4 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	16 HP Elec. Ball-A-Matic	3965-3-1001	\$445.50	
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 10"; 2 Bl; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 84 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/4 hr.; Water cooled; Gear lub. SAE 90; Electric starter.				
1956	33HP Ball-A-Matic	3665-1001	\$469.50	
2 Cyl; B&S 3 3/4" x 2 3/4"; P. Disp. 42.18; HP 33 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Shear Pin 1/4" x 1-7/64 Brass; Wt. 115 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	33 HP Elec. Ball-A-Matic	3665-3-1001	\$559.50	
2 Cyl; B&S 3 3/4" x 2 3/4"; P. Disp. 42.18; HP 33 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Shear Pin 1/4" x 1-7/64 Brass; Wt. 130 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. SAE 90; Electric starter.				

SCOTT-ATWATER (Continued)

Year	Model	Serial No.	FOB	Cash Value
1953	3.6 Non-Shift	30351001		\$109.50
1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6" RH; 2 BL; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear Pin 5/32" x 3/8" Brass; Wt. 36 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts., run. time 2 1/4 hrs; Gear lub. Outbd. Grease; Water cooled; Recoil starter.				
1953	5.0 Shift	37351001		\$199.50
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7" RH; 2 BL; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear Pin 5/32" x 3/8" Brass; Wt. 46 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts., run. time 2 hrs.; Water cooled; Gear lub. Outbd. grease; Recoil starter.				
1953	7.5 Gold Pennant	33351001		\$229.50
2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. Dia. & pitch 8" x 7 1/4" RH; 2 BL; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear Pin 5/32" x 3/8" Brass; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gal; run. time 7 1/2 hrs.; Water cooled; Outbd. Grease; Recoil starter.				
1953	10.5 Gold Pennant	38351001		\$279.50
2 Cyl; B&S 2-11/16" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/2" x 10" RH; 2 BL; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear Pin 5/32" x 3/8" Brass; Wt. 59 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gal., run. time 4 1/2 hrs; Water cooled; Gear lub., Univ. Gear Lub. SAE-90 (EP); Recoil starter.				
1953	16.0 Shift	39351001		\$359.50
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9 1/4" RH; 3 BL; C. P. Gap .020; S. P. Champ. 5MJ, Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 88 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gal; run. time 2 3/4 hrs; Water cooled; Gear lub., Univ. Gear lub. SAE-90 (EP); Recoil starter.				
1954	3 HP Super Single	3045-1001		\$109.50
1 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 6.23; HP 3 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8" brass; Wt. 36 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 8 pts; Run. time full tank 2 1/4 hrs; Water cooled lub. outbd grease; Recoil starter.				
1954	5 HP Bail-a-matic	3745-1001		\$209.50
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8", brass; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 7 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1954	7.5 HP Bail-a-matic	3345-1001		\$229.50
2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.00; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7"; 2 BL; C. P. Gap .020; S. P. Champ H10J Gap .035; Shear Pin 5/32" x 3/8" brass; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 7 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1954	10 HP Bail-a-matic	3845-1001		\$289.50
2 Cyl; B&S 2-11/16" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/2" x 9"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8" brass; Wt. 58 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1954	16 HP Bail-a-matic	3945-1001		\$339.50
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 BL; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" brass; Wt. 79 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 2 3/4 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1955	3.6 HP Super Single	3055-1001		\$114.50
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 36 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 8 pts; Run. time full tank 2-1/4 hr; Water cooled; Gear lub. Outboard Grease; Recoil starter.				
1955	5.0 HP Bail-A-Matic	3755-1001		\$209.50
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 7 hr; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1955	7.5 HP Bail-A-Matic	3355-1001		\$235.50
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 7 hr; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1955	10.0 HP Bail-A-Matic	3855-1001		\$295.50
2 Cyl; B&S 2-11/16" x 2"; P. Disp. 14.82; HP 10.0 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 9-1/2"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 58 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1955	16.0 HP Bail-A-Matic	3955-1001		\$345.50
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16.0 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 BL; C. P. Gap .020; S. P. Champ 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 79 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 3/4 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1955	30.0 HP Bail-A-Matic	3655-1001		\$459.50
2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30.0 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 BL; C. P. Gap .020; S. P. Champ H10J Gap .035; Shear Pin 1/4" x 1-7/64" Brass; Wt. 115 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1955	30.0 HP Bail-A-Matic	3655-1001		\$549.50
2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30.0 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 BL; C. P. Gap .020 S. P. Champ H10J Gap .035; Shear Pin 1/4" x 1-7/64"; Wt. 130 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Electric starter.				

Sa 5506

(Replace Sa 5405)

SCOTT-ATWATER (Continued)

Year	Model	Serial No.	FOB	Cash Value
1950	500		\$ 99.50	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .032; Shear pin 5/32" x 3/8" Brass; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Recoil Starter.				
1950	501		\$149.50 154.50 West Coast	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .032; Shear pin 5/32" x 3/8" stainless steel; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Recoil Starter.				
1950	507		\$179.50 184.50 West Coast	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7, 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear pin 5/32" x 3/8" stainless steel; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Recoil Starter.				
1950	503		\$199.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear pin 5/32" x 3/8" stainless steel; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Recoil Starter.				
1950	509		\$349.50 355.50 West Coast	
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP-to be certified; Prop. dia. & pitch 9" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Gap .035; Shear pin 7/32" x 3/8" brass; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 40 pts.*; Run. time full tank 2-1/2 hrs; Water cooled; Recoil Starter. * Separate fuel tank				
1951	1-12 Non-Shift		\$129.50	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8" Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. .8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.				
1951	1-14 Shift		\$169.50	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champ H10J, Gap .035; Shear pin 5/32" x 5/8" Stainless Steel; Wt. 46 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.				
1951	1-16 Shift		\$199.50	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8" stainless steel; Wt. 47 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.				
1951	1-20 Shift		\$219.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champ H105, Gap .035; Shear pin 5/32" x 5/8", stainless steel; Wt. 56 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.				
1951	1-25 Shift		\$279.50	
2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 10", 2 Bl; C. P. Gap .020; S. P. Champ. HT10J, Gap .035; Shear pin 5/32" x 5/8", stainless steel; Wt. 64 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Gear lub. Universal Gear lub. SAE-90 (EP). Recoil starter.				
1951	1-30 Shift		\$359.50	
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Champ. 5MJ, Gap .035; Shear pin 7/32" x 5/8", brass; Wt. 88 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gals., separate tank; Run. time full tank 2-3/4 hrs; Gear lub. Universal Gear lub. SAE-90 (EP). Recoil starter.				
1952	1-12 Non-Shift	30251001	\$109.50	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion. H10J, Gap .035; Shear pin 5/32" x 5/8" Brass; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.				
1952	1-16 Shift	37251001	\$199.50	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8" Brass; Wt. 50 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.				
1952	1-20 Shift	33251001	\$219.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 59 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.				
1952	1-25 Shift	38251001	\$279.50	
2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 10", 2 Bl; C. P. Gap .020; S. P. Champ. HT10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 66 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Gear lub. Universal Gear lub. SAE-90 (EP). Recoil starter.				
1952	1-30 Shift	39251001	\$359.50	
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Champ. 5MJ, Gap .035; Shear pin 7/32" x 29/32", brass; Wt. 88 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gals., separate tank; Run. time full tank 2-3/4 hrs; Gear lub. Universal Gear lub. SAE-90 (EP). Recoil starter.				

Sa 5204
(Replace Sa 5005)

SCOTT-ATWATER
Scott-Atwater Mfg. Co., Inc.
 Minneapolis 13, Minn.

Year	Model	Serial No.	FOB	Cash Value
1946	461	461 Series	\$97.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 40 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.				
1946	467	* 467 Series	\$110.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1947	470	470 Series	\$101.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 40 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.				
1947	471	471 Series	\$110.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1947	473	473 Series	\$165.00	
2 cylinders with Bore and Stroke 2" x 1-3/4"; Piston Displacement 11.00 cu. in.; HP 7.5 @ 4200 RPM; Prop. dia. 8" with 7-1/2" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 51 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 1-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1948	480	480 Series	\$107.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 40 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.				
1948	481	481 Series	\$117.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1948	483	483 Series	\$165.00	
2 cylinders with Bore and Stroke 2" x 1-3/4"; Piston Displacement 11.00 cu. in.; HP 7.5 @ 4200 RPM; Prop. dia. 8" with 7-1/2" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 51 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 1-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1949	480	480 Series	\$119.50	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6. 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8"; Brass; Wt. 40 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Rope Starter.				
1949	481	481 Series	\$129.50	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6. 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8"; Brass; Wt. 43 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Recoil Starter.				
1949	483	483 Series	\$179.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.00; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2". 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8". Brass; Wt. 51 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Recoil Starter.				
1949	491 Shift	491 Series	\$149.50	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6". 2 Slip Clutch Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8". Stainless Steel; Wt. 45 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Recoil Starter.				
1949	497 Shift	497 Series	\$179.50	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2". 2 Slip Clutch Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8". Stainless Steel; Wt. 46 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Recoil Starter.				
1949	493 Shift	493 Series	\$199.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Slip Clutch Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8"; Stainless Steel; Wt. 53 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Recoil Starter.				

ROYAL (Continued)

Year	Model	Serial No.	FOB	Cash Value
1955	3D12A			
1 Cyl.; P. Disp. 5.32; B&S 2-1/8" x 1-1/2"; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6-1/4" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 7/8" Stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. 4 pts; Run. time full tank 1 1/2 hrs.; Water Cooled; Gear Lub.; Gear Grease; Automatic Rewind Starter.				
1955	5S11A			
2 Cyl.; P. Disp. 8.84; B&S 1-15/16" x 1 1/2"; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum.; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Gear Lub. Gear Grease; Automatic Rewind Starter.				
1955	5D11A			
2 Cyl.; P. Disp. 8.84; B&S 1-15/16" x 1 1/2"; HP 5.0 @ 4000 RPM; Prop. Dia. & Pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 1/2 pts; Run. time full tank 1 hr; Water Cooled; Gear Lube Hypoid Oil; Automatic Rewind Starter.				
1955	12D11A			
2 Cyl.; P. Disp. 17.89; B&S 2 1/4" x 2 1/4"; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin; Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. 16 pts.; Run. time full tank 1 hr; Water Cooled; Gear Lub. Hypoid Oil; Automatic Rewind Starter.				
1955	22D10A			
2 Cyl.; P. Disp. 32.6; B&S 2 3/4" x 2 3/4"; HP 22.0 @ 4000 RPM; Prop. Dia. & Pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. * pts; Run. time full tank 2 hr; Water cooled; Gear Lube Hypoid Oil; Automatic Rewind Starter. * Bosun Fuel System — 6 gal. capacity				
1955	22DE10A			
2 Cyl.; B&S 2 3/4" x 2 3/4"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. * pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Electric & Automatic Rewind starter.				
1955	3D11A			
1 Cyl.; P. Disp. 5.32; B&S 2 1/4" x 1 1/2"; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 7/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear Lube Gear Grease; Automatic Rewind starter.				
1956	3D13A			
1 Cyl.; B&S 2 1/8" x 1 1/2"; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/4" x 6 3/8"; 2 Bl; Shear Pin; Fuel Cap. 4 pts.; Run. time full tank 1 1/4 hr. Automatic Rewind Starter.				
1956	5D12A			
2 Cyl.; B&S 1-15/16" x 1 1/2"; HP 5 @ 4000 RPM; Prop. dia. 8"; 2 Bl; Spring overload Clutch; Fuel Cap. 7 pts.; Run. time full tank 1 hr.; Automatic rewind starter.				
1956	12D13A			
2 Cyl.; B&S 2 1/4" x 2 1/4"; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; Shear Pin; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Automatic Rewind Starter.				
1956	25D11A			
2 Cyl.; B&S 2 7/8" x 2 3/4"; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 10 1/2"; 3 Bl; Shear Pin; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Automatic rewind starter.				
1956	25DE11A			
2 Cyl.; B&S 2 7/8" x 2 3/4"; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 10 1/2"; 3 Bl; Shear Pin; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Automatic rewind starter.				

ROYAL

Distributed By:

Atlas Supply Co.—Newark N. J.
Standard Oil of New JerseyStandard Oil of Kentucky
Standard Oil of Indiana

Year	Model	Serial No.	FOB	Cash Value
1947	2A3		\$147.50 List	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4". 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 48 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Recoil Starter.				
1948	1A5		\$ 66.50 List	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 5/8", Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1948	2A3		\$136.00 List	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4". 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1948	2A8		\$215.00 List	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 7/32" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
(1949 Specifications Not Received).				
1952	3D10A			
1 Cyl; B&S 2-1/2" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1952	5D10A			
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	12D10A			
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1953	3 HP DeLuxe	3D10A	\$127.30	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin 1/4" x 3/8" stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 1/2 hrs; Gear Lub. grease; Water cooled; Automatic rewind starter.				
1953	5 HP DeLuxe	5D10A	\$175.70	
2 Cyl; B&S 1-5/16" x 1 1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin, none; Wt. 46 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap 6 1/2 pts; Run. time full tank 1 hr; Gear Lub. SAE 90 Hypoid oil; Water cooled; Automatic rewind starter.				
1953	12 HP DeLuxe	12D10A	\$281.70	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin Special; Wt. 64 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Gear Lub. SAE 90 Hypoid oil; Water cooled; Automatic rewind starter.				
1953	5 HP Standard	5S10A	\$149.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin 3/16" x 15/16" aluminum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 1/2 pts; Run. time full tank 1 hr; Gear Lub. grease; Water cooled; Automatic rewind starter.				
1953	12 HP Standard	12S10A	\$229.50	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/4"-varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin .210" x 3/16" aluminum; Wt. 66 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Gear Lub. grease; Water cooled; Automatic rewind starter.				
1954	3D11A		\$124.45	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/4" x 6 3/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. lower unit lub grease. Automatic rewind starter.				
1954	5S10A			
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Gap .030; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; Automatic rewind starter.				
1954	5D10A Deluxe		\$188.89	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid oil; Automatic rewind starter.				
1954	12D11A		\$283.89	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid oil; Automatic rewind starter.				

GEO. RILEY CO.
 4556 Floral Drive,
 Los Angeles 22, Calif.

Year	Model	Serial No.	FOB	Cash Value
1954	Riley 75	4001	\$1,050.00 \$1,195.00	
5 Cyl; B&S 3-3/16" x 3-3/16" P. Disp. 127; HP 75 @ 4500 RPM; Prop. dia. & pitch 15" x 14", 14" x 19" or 12" x 21"; 3 Bl; C. P. Gap .020; S. P. Champ. J-6 Gap .025; Shear Pin Automatic Torsion releasing clutch; Wt. 225 lbs.; Oil remote oil tank; SAE 30 per gal; Remote fuel tank (extra); Run. time 6 1/4 gals per hr. Water cooled; Gear lub. APG. 90 Lubriplate; Electric and rope starter.				
1955	Riley 75	4001	\$1,050.00 \$1,195.00	
5 Cyl; B&S 3-3/16" x 3-3/16"; P. Disp. 127; HP 75 @ 4500 RPM; Prop. dia. & pitch 15" x 14", 14" x 19", or 12" x 21"; 3 Bl; C. P. Gap .020; S. P. Champ. J6, Champ. J8 Gap .025; Shear Pin Automatic Torsion Releasing Clutch; Wt. 255 lbs.; Dry Sump-No Oil in Gas; 6 1/4 gals. per hr.; Water cooled; Gear lub. APG90 Lubriplate; Electric & Rope starter.				
1956	Riley 75	4001	\$1,397.50	
5 Cyl; B&S 3-3/16" x 3-3/16"; P. Disp. 127.0; HP 75 @ 4500 RPM; Prop. dia. & pitch 12-15 x 12-17; 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin—Automatic releasing clutch; Wt. 250 lbs.; Oil—5 qt. tank in cover; SAE 30; Remote Fuel Tank; Run. time—6 1/2 gal. per hr.; Water cooled; Gear Lub. APG 90 Lubriplate; 12 volt electric starter.				

OLIVER
The Oliver Corporation
108 S. McCamly St.
Battle Creek, Mich.

Year	Model	Serial No.	FOB	Cash Value
1955	"J" Challenger	55-J	\$210.00	
2 Cyl.; B&S 2" x 1½"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8" x 7"; 2 Bl; C. P. Gap .020; S. P. Champ. J8 Gap .030; Shear Pin 7/32" Brass; Wt. 48 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 28 pts; Water cooled; Gear lub. SAE 90 Hypoid; Rewind starter.				
1955	"K" Commander	55-K	\$347.50	
2 Cyl.; B&S 2½" x 2-1/32"; P. Disp. 19.94; HP 15.0 @ 4000 RPM; Prop. dia. & pitch 9¼" x 11½"; 2 Bl; C. P. Gap .020; S. P. Champ J7 Gap .030; Shear Pin 7/32" Brass; Wt. 68 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap 48 pts; Water cooled; Gear lub. SAE 90 Hypoid; Rewind starter.				
1956			\$215.00	
2 Cyl.; B&S 2" x 1½"; P. Disp. 9.42; HP 5½ @ 4500 RPM; Prop. dia. & Pitch 8" x 6½"; 2 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .028; Shear Pin 13/64" x 1-3/16"; Wt. 50 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 24 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. SAE 90 Hypoid.				
1956			\$360.00	
2 Cyl.; B&S 2½" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4500 RPM; Prop. dia. & pitch 9¼" x 11½"; 2 Bl; C. P. Gap .018; S. P. Champ. H8J Gap .028; Shear Pin 13/64" x 1-3/16"; Wt. 75 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2¾ hr.; Water cooled; Gear lub. SAE 90 Hypoid; Manual Recoil starter.				
1956	Elec-O-Matic		\$460.00	
2 Cyl.; B&S 2½" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4500 RPM; Prop. dia. & pitch 9¼" x 11½"; 2 Bl; C. P. Gap .018; S. P. Champ. H8J Gap .028; Shear Pin 13/64" x 1-3/16"; Wt. 87 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2¾ hr.; Water cooled; Gear lub. SAE 90 Hypoid; Electric starter.				

MUNCIE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1950	A1 Neptune		\$ 59.50	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts. Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1950	AA2 Neptune		\$123.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8" 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Recoil Starter.				
1950	AA4 Neptune		\$159.50	
2 Cyl; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8" 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Recoil Starter.				
1950	AA6 Neptune		\$179.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.2; HP 7 @ 4500 RPM; Prop. dia. & pitch 8" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.				
1950	AA10 Neptune		\$249.50	
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 10.5 @ 4500 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 64 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.				
1951	A1 Neptune		\$ 65.50	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts. Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1951	AA2 Neptune		\$135.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8" 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Recoil Starter.				
1951	AA4 Neptune		\$175.50	
2 Cyl; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8" 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Recoil Starter.				
1951	AA6 Neptune		\$197.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.2; HP 7 @ 4500 RPM; Prop. dia. & pitch 8" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.				
1951	AA10 Neptune		\$274.50	
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 10.5 @ 4500 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 64 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.				

(Motors Not Manufactured in 1952 or 1953)

(1954 A1 Neptune listed above)

1955	A1 Neptune		\$ 79.50	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5"; 2Bl; C. P. Gap .020; S.P. Gap .025; Shear Pin 5/32" x 1" Bronze; Wt. 17 lbs.; Oil 2/3 pt; SAE 30 per gal; Fuel cap. 2 pts.; Run. time full tank 1-1/3 hr; Water Cooled; Gear lub. Mobile Outboard Grease; Rope Starter.				
1956	A1 Neptune		\$ 79.50	
1 Cyl; B&S 1-9/16" x 1 1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5"; 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1" Bronze; Wt. 17 lbs.; Oil 2/3 pt.; SAE 30 per gal.; Fuel Cap. 2 pts. Run. time full tank 1-1/3 hr.; Water cooled; Gear lub. Mobile Outboard Grease; Rope starter.				

MUNCIE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1941	11A3 Neptune			\$ 82.50
2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 45 min; Water Cooled; Rope Starter.				
1941	11AA3 Neptune			\$ 90.50
2 Cyl; B&S 1-9/16" X 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" X 5-1/8", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 40 min; Water Cooled; Recoil Starter.				
1941	11B4 Muncie			\$ 79.85
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 45 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1941	11A6 Neptune			\$106.50
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1941	11AA6 Neptune			\$114.50
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pt; Run. time full tank 1 hr; Water Cooled; Recoil Starter.				
1941	11B6 Muncie			\$106.50
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1941	11A9 Neptune			\$141.75
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.				
1941	11AA9 Neptune			\$149.75
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.				
1941	11B9 Muncie			\$141.75
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.				
1941	11A16 Neptune			\$189.25
2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1941	11B16 Muncie			\$189.25
2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & Pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1945-46	15A1 Neptune			\$ 54.50
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1945-46	15B1 Muncie			\$ 50.51
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1945-46	15B2 Neptune			\$ 79.50
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1945-46	15A3 Neptune			\$106.50
2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 40 min; Water Cooled; Rope Starter.				
1945-46	15AA3 Neptune			\$116.50
2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 40 min; Water Cooled; Recoil Starter.				
1945-46	15B4 Muncie			\$138.00
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 45 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1945-46	15A6 Neptune			\$139.50
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1945-46	15AA6 Neptune			\$149.50
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.				

MUNCIE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1945-46	15A9 Neptune		\$187.50	
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.				
1945-46	15AA9 Neptune		\$198.50	
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.				
1947	17A1 Neptune		\$ 70.00	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1947	17A2 Neptune		\$103.00	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .033; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1947	17A3 Neptune		\$138.00	
2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 40 min; Water Cooled; Rope Starter.				
1948	A1 Neptune W/Shroud		\$ 70.00	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 22 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1948	B1 Neptune—WO/Shroud		\$ 66.00	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 22 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts. Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1948	A2 Neptune		\$103.00	
1 Cyl; B&S 2-1/10" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Rope Starter.				
1948	AA2 Neptune		\$123.00	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Recoil Starter.				
1948	AA4 Neptune		\$148.00	
2 Cyl; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Recoil Starter.				
1948	AA6 Neptune		\$180.00	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.2; HP 7 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 52 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.				
1948	AA10 Neptune		\$228.00	
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32"; Wt. 62 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.				
1949	A1 Neptune		\$ 49.50	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1949	A2 Neptune		\$ 69.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 28 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Rope Starter.				
1949	AA2 Neptune		\$ 89.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 43 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Recoil Starter.				
1949	AA4 Neptune		\$109.50	
2 Cyl; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Recoil Starter.				
1949	AA6 Neptune		\$149.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 7 @ 4500 RPM; Prop. dia. & pitch 8" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 59 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.				
1949	AA10 Neptune		\$169.50	
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 10.5 @ 4500 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32"; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.				

MUNCIE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1938	238 Neptune		\$ 57.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1938	138 Neptune		\$ 39.50	
1 Cyl; B&S 1-1/2" x 1-1/2"; P. Disp. 2.87; HP 1.2 @ 3000 RPM; Prop. dia. & pitch 6" x 5". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 16 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1939	1639 Neptune		\$164.50	
2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10". 3 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1939	939 Neptune		\$114.50	
2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.				
1939	539 Neptune		\$ 99.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 5 @ 3800 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 55 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1939	639 Neptune		\$ 94.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 3400 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt; SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1939	439 Neptune		\$ 74.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 45 lbs; Oil 2/3 pt; SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1939	239 Neptune		\$ 54.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt; SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1939	139 Neptune		\$ 35.50	
1 Cyl; B&S 1-1/2" x 1-1/2"; P. Disp. 2.87; HP 1.2 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1940	10A1 Neptune		\$ 35.50	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1940	10A2 Neptune		\$ 54.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1940	10A4 Neptune		\$ 74.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 45 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1940	10A6 Neptune		\$ 99.50	
2 Cyl; B & S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" X 7", 2B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1940	10A10 Neptune		\$124.50	
2 Cyl; B&S 2-1/4" X 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" X 9", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 63 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.				
1940	10A16 Neptune		\$164.50	
2 Cyl; B&S 2-1/2" X 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" X 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1941	11A1 Neptune		\$ 41.51	
1 Cyl; B&S 1-9/16" X 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" X 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" X 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1941	11B1 Muncie		\$ 38.95	
1 Cyl; B&S 1-9/16" X 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" X 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1941	11A2 Neptune		\$ 58.40	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1941	11AA2 Neptune		\$ 66.40	
1 Cyl; B&S 2-1/4" X 1-1/2"; P. Disp. 5.01; HP 2 @ 3400 RPM; Prop. dia. & pitch 7-1/2" X 5-1/8", 2B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 28 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Recoil Starter.				
1941	11B2 Muncie		\$ 58.40	
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				

MUNCIE
Muncie Gear Works, Inc.
Muncie, Indiana

Year	Model	Serial No.	FOB	Cash Value
1935	OB16 Neptune			
2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 14 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Rope Starter.				
1935	OB32 Neptune			
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4; Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16"; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1935	OB63 Neptune			
2 Cyl; P&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6; @ 3400 RPM. Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. Water Cooled; Rope Starter.				
1935	OB1 Neptune			
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1936	OB16 Neptune			
2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10" 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" X 1-3/16", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1936	OB64 Neptune			
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 3400 RPM; Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1936	OB34 Neptune			
2 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" X 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1936	OB11 Neptune			
1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1937	OB17A Neptune		\$149.50	
2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & Pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1937	OB65A Neptune		\$ 89.50	
2 Cyl; B&S; 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 6 @ 3400 RPM; Prop. dia. & pitch 8" X 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" X 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1937	OB35A Neptune		\$ 69.50	
2 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" X 7", 2B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" X 1-3/16", bronze; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.				
1937	OB12A Neptune		\$ 49.50	
1 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" X 5-1/8", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1937	OB14 Neptune		\$149.50	
2 Cyl; P&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-1/2", bronze; Wt. 95 lbs; Oil 1 pt. SAE-30 per gal; Fuel Cap 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1937	OB64 Neptune		\$ 89.50	
2 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 6 @ 3400 RPM; Prop. dia. & pitch 8" X 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156 dia. x 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1937	OB34 Neptune		\$ 69.50	
2 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" X 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" X 1-3/16", bronze; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1937	OB11 Neptune		\$ 49.50	
1 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" X 5-1/8". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" X 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.				
1938	1638 Neptune		\$169.50	
2 Cyl; B&S 2-1/2" X 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" X 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32". bronze; Wt. 95; Oil 1 pt. SAE-30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1938	938 Neptune		\$118.50	
Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 62 lbs; Oil 1 pt. SAE-30 per gal; 2 Cyl; B&S 2-1/4" X 2"; P. Disp. 15.9; HP 9 @ 4000 RPM; Prop. dia. & pitch 9" X 9", 3 B1; C. P. Fuel Cap. 8 pts; Run. time full tank 50 min; Water Cooled, Rope Starter.				
1938	638 Neptune		\$ 98.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02 HP 6 @ 3400 RPM; Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. Water Cooled; Rope Starter.				
1938	438 Neptune		\$ 78.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156 dia. x 1-3/16", brass; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				

MILBURN CUB

H. B. Milburn Co.

11861 S. Main St., Los Angeles 3, Calif.

Year	Model	Serial No.	FOB	Cash Value
1949			\$ 69.50	
1 Cyl; B&S 1-5/8" x 1-5/8"; Pist. Disp. 3.71; HP 2-1/2 @ 3750 RPM.; Prop. dia. & pitch 6-1/2" x 4-3/4"; 2 Bl.; C. P. Gap .012; S. P. Gap .018; Shear Pin 3/16" x 9/16" 17 St. Alloy; Wt. 25 lbs.; Oil 1 pt. SAE-40 per gal; Fuel cap. 5 pts.; Run. time full tank 1-1/2 hrs.; Gear Lubricant Mobile Grease Outboard; Air Cooled; Rope Starter.				

MERCURY (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	Mark 6		\$225.00	
2 Cyl; B&S 1 7/8" x 1 1/2" P. Disp. 7.2; HP 5.9 @ 4500 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ.; Shear Pin None—Propeller Clutch Wt. 42 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 26 pts.; Run. time full tank 3-4 hr.; Liquid cooled; Gear lub. K.A.M. Automatic Rewind starter.				
1956	Mark 25		\$395.00	
2 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP 20 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller clutch; Wt. 75 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time full tank 3-4 hr.; Liquid cooled; Gear lub. K.A.M. Automatic Rewind starter.				
1956	Mark 25E		\$484.95	
2 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP 20 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller clutch; Wt. 84 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time 3-4 hr.; Liquid cooled; Gear lub. K.A.M.; Electric starter.				
1956	Mark 30		\$479.50	
4 Cyl; B&S 2-7/64" x 2 1/8"; P. Disp. 29.7; HP 30 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller Clutch; Wt. 110 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Run. time full tank 2 1/2-3 1/2 hr.; Liquid cooled; Gear lub. K.A.M. Automatic Rewind starter.				
1956	Mark 30E		\$604.50	
4 Cyl; B&S 2-7/64" x 2 1/8"; P. Disp. 29.7; HP 30 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller clutch; Wt. 118 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/2-3 1/2 hr.; Liquid cooled; Gear lub. K.A.M.; Electric starter.				
1956	Mark 55		\$605.00	
4 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 39.6; HP 40 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ.; Shear Pin None—Propeller clutch; Wt. 111 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time full tank 2-2 1/2 hr.; Liquid cooled; Gear lub. K.A.M.; Automatic Rewind starter.				
1956	Mark 55E		\$730.00	
4 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 39.6; HP 40 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller Clutch; Wt. 126 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time full tank 2-2 1/2 hr.; Liquid cooled; Gear lub. K.A.M.; Electric starter.				
1956	Mark 20H	Class B	\$405.00	
2 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP varies with RPM; Prop. dia. & pitch sold separately; S. P. Champ. Shear Pin—Yes; Wt. 68 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Liquid cooled; Gear lub. K.A.M.; Automatic Rewind starter.				
1956	Mark 30H	Class C	\$540.00	
4 Cyl; B&S 2-7/64" x 2 1/8"; P. Disp. 29.7; HP varies with RPM; Prop. dia. & pitch sold separately; S. P. Champ. Shear Pin—Yes; Wt. 98 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Liquid cooled; Gear lub. K.A.M.; Automatic Rewind starter.				
1956	Mark 55H	Class D	\$640.00	
4 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 39.6; HP varies with RPM; Prop. dia. & pitch sold separately; S. P. Champ. Shear Pin—Yes; Wt. 102 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Liquid cooled; Gear lub. K.A.M. Automatic Rewind starter.				

MERCURY
Kiekhaefer Corporation
Fond du Lac, Wisconsin

Year	Model	Serial No.	FOB	Cash Value
1951-52		KF3		\$148.00
1 Cyl.; B&S 2" x 1 3/4"; P. Disp. 5.5; HP 3.5 @ 4000; Wt. 38 lbs.; Fuel Cap. 10 pts.; Water Cooled; Magnapull starter.				
1951-52		KF5		\$192.50
2 Cyl.; B&S 1 3/4" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4200 RPM; Wt. 40 lbs.; Fuel Cap. 10 pts.; Water Cooled; Magnapull starter.				
1951-52		KE4		\$216.50
2 Cyl.; B&S 2" x 1 3/4"; P. Disp. 11; HP 7.5 @ 4000; Prop. Dia. 7 1/2" 2 bl.; Wt. 54 lbs.; Fuel Cap. 12 pts.; Water Cooled; Magnapull starter.				
1951-52		KG4		\$291.50
2 Cyl.; B&S 2 7/64" x 2 1/8"; P. Disp. 14.89; HP 7.5+ depending on RPM; Wt. 57 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull starter.				
1951-52		KG7		\$384.50
2 Cyl.; B&S 2 7/16" x 2 1/8"; P. Disp. 19.8; HP 10+ depending on RPM; Wt. 63 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull starter.				
1951-52		KH7 Cruiser		\$400.00
2 Cyl.; B&S 2 7/16" x 2 1/8"; P. Disp. 19.8; HP 10+ depending on RPM; Wt. 78 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull starter.				
1951-52		KG9		\$599.00
4 Cyl.; B&S 2 7/16" x 2 1/8"; P. Disp. 39.6; HP 25+ depending on RPM; Wt. 122 lbs.; Fuel Cap. 10 1/2 gallon remote tank; Water Cooled; Automatic rewind starter.				
1953	1954	Specifications Not Released For Publication		
1955	Mark 5			\$187.50
2 Cyl.; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4200 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 40 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull starter.				
1955	Mark 6			\$214.50*
2 Cyl.; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5.9 @ 4500 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 42 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 56 pts; Remote Tank; Run. time full tank 4 hrs; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull starter.				
1955	Mark 7			\$224.00*
2 Cyl.; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4000 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller clutch; 54 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull starter.				
1955	Mark 20			\$343.50*
2 Cyl.; B&S 2-7/16" x 2-1/8"; P. Disp. 19.8; HP 16 @ 4000 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 73 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 1/2 hrs; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull Starter.				
1955	Mark 25			\$381.00*
2 Cyl.; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP 18 @ 4500 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller clutch; Wt. 75 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 1/2 hrs; liquid cooled; Gear lub. K.A.M.; Automatic Rewind Starter.				
1955	Mark 25 (Merc Elect)			\$381.00**
2 Cyl.; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP 18 @ 4500 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 85 lbs; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 1/2 hrs; liquid cooled; Gear lub. K.A.M.; Electric Starter & Automatic Rewind Starter.				
**Electric Starting Extra				
1955	Mark 55			\$569.00*
4 Cyl.; B&S 2-7/16" x 2-1/8"; P. Disp. 39.6; HP 40 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 110 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 hrs; liquid cooled; Gear lub. K.A.M.; Automatic Rewind Starter.				
1955	Mark 55 (Merc Elect)			\$569.50**
4 Cyl.; B&S 2-7/16" x 2-1/8"; P. Disp. 39.6; HP 40 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 120 lbs; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 hrs; liquid cooled; Gear lub. K.A.M.; Electric with Generator & Automatic Rewind Starter.				
**Electric Starting Extra				
1955	Mark 20 H			\$411.00§
2 Cyl.; B&S 2-7/16" x 2-1/8"; P. Disp. 19.8; HP varies with RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 65 lbs; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 51 pts; Remote Tank; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull Starter.				
§ Less Propeller				
1955	Mark 40 H			\$625.00§
4 Cyl.; B&S 2-7/16" x 2 1/8"; P. Disp. 39.6; HP Varies with RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 95 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; liquid cooled; Gear lub. K.A.M.; Automatic Rewind Starter.				
§ Less Propeller				
*All prices are for zone 1 delivery.				

MERCURY
Kiekhaefer Corporation
Cedarburg, Wisconsin

This information was not released for publication but has been collected from various available sources. Not to be considered official.

YEAR	MODEL	
1940	K-1	
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 2.5 @ 3800 RPM; Wt. 27 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.7 hrs.; Water Cooled; Rope Start.		
1940	K-2	
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 3 @ 4250 RPM; Wt. 28 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.8 hrs.; Water Cooled; Rope Start.		
1940	K-3	
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 3 @ 4250 RPM; Wt. 31 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.8 hrs.; Water Cooled; Rope Start.		
1940	K-4	
2 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 11; HP 6 @ 4250 RPM; Wt. 41 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.		
1940	K-5	
2 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 11; HP 6 @ 4250 RPM; Wt. 43 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.		
1941	KB-1	
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 2.9 @ 4000 RPM; Wt. 31 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.7 hrs.; Water Cooled; Rope Start.		
1941	KB-1A	
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 3.1 @ 4000 RPM; Wt. 32 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.7 hrs.; Water Cooled; Rope Start.		
1941	KB-2	
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Wt. 32 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.8 hrs.; Water Cooled; Rope Start.		
1941-42	KB-3	
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Wt. 36 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.8 hrs.; Water Cooled; Magnapull Starter.		
1941-42	KB-4	
2 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 11; HP 5.8 @ 4000 RPM; Wt. 42 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.		
1941	KB-5	
2 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 11; HP 6 @ 4000 RPM; Wt. 46 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Magnapull Starter.		
1946	KB-4-1	Serial Nos. 93176 to 94425, 95183 to 95317, 95983 to 95989
2 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 11; HP 5.8 @ 4000 RPM; Wt. 42 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.		
1946	KD-3	
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Wt. 32 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.7 hrs.; Water Cooled; Rope Start.		
1946	KD-4	
2 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 11; HP 6 @ 4000 RPM; Wt. 46 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.		
1947-48	KE-3	\$134.95
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 3.6 @ 4000 RPM; Prop. dia. 7 $\frac{1}{2}$ " 2 bl.; Wt. 36 lbs.; Fuel Cap. 10 pts.; Water Cooled; Magnapull Starter.		
1947-48-49-50	KE-4	\$189.50
2 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 11; HP 7.5 @ 4000 RPM; Prop. Dia. 7 $\frac{1}{2}$ " 2 bl.; Wt. 54 lbs.; Fuel Cap. 12 pts.; Water Cooled; Magnapull Starter.		
1947-48-49-50	KE-7	\$291.00
2 Cyl.; B & S 2-7/16x2-1/8"; P. Disp. 19.8; HP 10 @ 4000 RPM; Prop. Dia. 7 $\frac{1}{2}$ " 3 bl.; Wt. 59 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull Starter.		
1949-50	KF-3	\$142.00
1 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 5.5; HP 3.5 @ 4000 RPM; Wt. 38 lbs. Fuel Cap. 10 pts.; Water Cooled; Magnapull Starter.		
1949-50	KF-5	\$182.00
2 Cyl.; B & S 1 $\frac{3}{4}$ "x1 $\frac{1}{2}$ "; P. Disp. 7.2; HP 5 @ 4200 RPM; Wt. 37 lbs.; Fuel Cap. 10 pts.; Water Cooled; Magnapull Starter.		
1949-50	KF-7	\$311.00
2 Cyl.; B & S 2-7/16x2-1/8"; P. Disp. 19.8; HP 10 @ 4000 RPM; Wt. 59 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull Starter.		
1950	KG-4	\$233.85
2 Cyl.; B & S 2"x1 $\frac{3}{4}$ "; P. Disp. 11; HP 7.5 @ 4000 RPM; Prop. Dia. 7 $\frac{1}{2}$ " 2 bl.; Wt. 54 lbs.; Fuel Cap. 12 pts.; Water Cooled; Magnapull Starter.		
1950	KG-7	\$354.45
2 Cyl.; B & S 2-7/16x2-1/8"; P. Disp. 19.8; HP 10 @ 4000 RPM; Wt. 63 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull Starter.		
1950	KG-9	\$568.50
4 Cyl.; B & S 2-7/16x2-1/8"; P. Disp. 39.6; HP 25 @ 4000 RPM; Wt. 122 lbs.; Fuel Cap. 10 $\frac{1}{2}$ gal. remote tank; Water Cooled; Rope Starter.		

MARTIN (Continued)

Year	Model	Serial No.	FOB	Cash Value
1954	20	A 15000	\$129.75	
1 Cyl; B&S 1-9/16" x 1 1/4"; P. Disp. 2.88; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6 1/4" x 4 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J-6-J Gap .030; Shear Pin 1" x 5/32", brass; Wt. 30 lbs.; Oil 1/4 pt; SAE-40 per gal; Fuel Cap. 6 1/3 pts; Run. time full tank 2 1/2 hrs; Forced water cooled; Gear lub. gear grease; Depend-A-Pull starter.				
1954	45	BB 58000	\$179.75	
2 Cyl; B&S 1-9/16" x 1 1/2"; P. Disp. 5.76; HP 4 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. J-8-J Gap .030; Shear Pin 1" x 5/32", brass; Wt. 36 lbs.; Oil 1/4 pt; SAE-40 per gal; Fuel Cap. 6-1/3 pts; Run. time full tank 1 1/4 hrs; Forced water cooled; Gear lub. gear grease; Depend-A-Pull starter.				
1954	75	CC 117000	\$199.50	
2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11; HP 7 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Cap. .020; S. P. Champ. J-8-J Gap .030; Shear Pin (none) Wt. 47 lbs.; Oil 3/4 pt; SAE-40 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr; Forced water cooled; Gear lub. S.A.E.-40; Depend-A-Pull starter.				
1954	100	DB 19000	\$259.75	
2 Cyl; B&S 2-3/16" x 1 3/4"; P. Disp. 13.15; HP 10 @ 4300 RPM; Prop. dia. & pitch 8" x 9 1/4"; 2 Bl; C. P. Cap .020; S. P. Champ. J-6-J Gap .030; Shear Pin (none); Wt. 58 lbs.; Oil 1/2 pt; SAE-40 per gal; Fuel Cap. 10 pts; Run. time full tank 1 hr; Forced water cooled; Gear lub. S.A.E.-40; Depend-A-Pull starter.				
1954	200	EHD 9000	\$359.75	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 20 @ 5500 RPM; Prop. dia. & pitch 6 3/4" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. J-3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 70 lbs.; Oil 3/4 pt; SAE-40 per gal; Fuel Cap. 10 pts; Run. time full tank 2/3-1 hr; Forced water cooled; Gear lub. ED 90-Hyp. 90; Depend-A-Pull starter.				
1954	200	EHA 9000	\$399.75	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 20 @ 5500 RPM; Prop. dia. & pitch 6 3/4" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. J-3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 70 lbs.; Oil 3/4 pt; SAE-40 per gal; Fuel Cap. 10 pts; Run. time full tank 2/3-1 hr; Forced water cooled; Gear lub. EP 90-Hyp. 90; Depend-A-Pull starter.				

NO MOTORS BEING MANUFACTURED

MARTIN (Continued)

Year	Model	Serial No.	FOB	Cash Value
1951	20	5000 Series	\$114.75	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6-1/2" x 4-1/2", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear pin 1" x 5/32" brass; Wt. 29 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 2-1/2 hrs; Positive water rotor pump; Depend-a-Pull starter.				
1951	45 Synchro-Twist	15000 Series	\$169.75	
2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 4-1/2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear pin 1" x 5/32" brass; Wt. 35 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 1-1/4 hrs; Positive water rotor pump; Depend-a-Pull starter.				
1951	75 Synchro-Twist	25000 Series	\$209.75	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 8" x 8-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J8J; Gap .030; Shear pin 1" x 5/32" brass; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive water rotor pump; Depend-a-Pull starter.				
1951	Hi-Speed 60	25000 Series	\$275.00	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch selected, 2 Bl; C. P. Gap .020; S. P. Champion J8J, gap .030; Shear pin 1" x 5/32" steel; Wt. 43-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank varies; Forced water cooling; Gear lub. SAE-40; Depend-a-Pull starter.				
1951	100	55000	\$269.75	
2 Cyl; B&S 2-3/16" x 1-3/4"; P. Disp. 13.15; HP 10 @ 4300 RPM; Prop. dia. & pitch 8" x 9-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin none; Wt. 57 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 hr; Positive Water rotor pump; Depend-a-Pull starter. Gear lub. S.A.E.-40.				
1951	75 Twist-Shift			
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 8" x 8-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; No shear pin; Wt. 49 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive water rotor pump. Gear lub. SAE-40; Depend-a-Pull starter.				
1951	100 Twist-Shift			
2 Cyl; B&S 2-3/16" x 1-3/4"; P. Disp. 13.15; HP 10 @ 4300 RPM; Prop. dia. & pitch 8" x 9-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin none; Wt. 58 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 hr; Positive water rotor pump; Gear lub. SAE-40; Depend-a-Pull starter.				
1952	45 Synchro-Twist	15000 Series	\$179.75	
2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 4-1/2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear pin 1" x 5/32" brass; Wt. 35 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 1-1/4 hrs; Positive water rotor pump; Depend-a-Pull starter.				
1952	75 Aquamatic Twist-Shift		\$234.75	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 8" x 8-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; No shear pin; Wt. 49 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive water rotor pump. Gear lub. SAE-40; Depend-a-Pull starter.				
1952	100 Aquamatic Twist-Shift		\$289.75	
2 Cyl; B&S 2-3/16" x 1-3/4"; P. Disp. 13.15; HP 10 @ 4300 RPM; Prop. dia. & pitch 8" x 9-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin none; Wt. 58 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 hr; Positive water rotor pump; Gear lub. SAE-40; Depend-a-Pull starter.				
1953	20	5000 Series	\$114.75	
1 Cyl; B&S 1-9/16" x 1 1/2"; P. Disp. 2.88; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6 1/2" x 4 1/2", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .035; Shear pin 1" x 5/32" brass; Wt. 30 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3pts; Run. time full tank 2 1/2 hrs; Positive water rotor pump; Depend-a-Pull starter.				
1953	45 Synchro-Twist	15000 Series	\$179.75	
2 Cyl; B&S 1-9/16" x 1 1/2"; P. Disp. 5.76; HP 4 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .035; Shear pin 1" x 5/32" brass; Wt. 35 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 1 1/4 hrs; Positive water rotor pump; Depend-a-Pull starter.				
1953	75 Aquamatic Twist-Shift		\$234.75	
2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 8" x 8 1/4", 2 Bl; C. P. Gap .020; S. P. Gap .035; No shear pin; Wt. 49 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive water rotor pump. Gear lub. SAE-40; Depend-a-Pull starter.				

MARTIN
Martin Motors
Div. National Pressure Cooker Co.
Eau Claire, Wisconsin

Year	Model	Serial No.	FOB	Cash Value
1948	20	5000 Series	\$105.00	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.88; HP 2-1/3 at 4300 RPM; Prop. dia. & pitch 6-1/2" x 4-1/4", 2 B1; C. P. Gap .020"; S. P. Champion JHJ, Gap .030; Shear Pin 1" x 5/32", brass; Wt. 29-1/2 lbs; Oil 1/2 pt.* SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 2 hr. 30 min; Positive Displacement water cooled; Depend-a-pull starter.				
1947-48	40	15000 Series	\$145.45	
2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 4-1/2" at 4300 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 B1; C. P. Gap .020"; S. P. Champion JHJ, Gap .030; Shear Pin 1" x 5/32", brass; Wt. 35-1/2 lbs. Oil 1/2 pt.* SAE-40 per gal; Fuel cap. 7 pts; Run. time 1 hr. 15 min; Positive Displacement water cooled; Depend-a-pull starter.				
1946-47-48	60	25000 Series	\$184.45	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.00; HP 7.2 at 4000 RPM; Prop. dia. & pitch 8" x 8", 2 B1; C. P. Gap .020"; S. P. Champion JHJ, Gap .030; Shear Pin 1" x 5/32", brass; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 1 gal; Run. time 1 hr; Positive Displacement water cooled; Depend-a-pull starter.				
1949	20	5000 Series	\$119.45	
1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.88; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6-1/2" x 4-1/4", 2 B1.; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32", Brass; Wt. 30 lbs.; Oil 3/4 pt. Break-in, 1/2 pt. Normal, 3/4 pt. Severe SAE-40 per gal. Fuel cap. 6-1/3 pts; Run. time full tank 2-1/2 hrs; Positive Water Rotor Pump; Depend-a-Pull Starter.				
1949	40	15000 Series	\$150.45	
2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 4-1/2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6" 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 36 lbs.; Oil 3/4 pt. Break-in, 1/2 pt. normal, 3/4 pt. Severe SAE-40 per gal; Fuel cap. 6-1/3 pts.; Run. time full tank 1-1/4 hrs; Positive Water Rotor Pump; Depend-a-pull starter.				
1949	60	25000 Series	\$189.45	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.2 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/4, 2 B1.; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32", Brass; Wt. 44 lbs.; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8pts.; Run. time full tank 1 hr.; Positive Water Rotor Pump; Depend-a-pull starter.				
1950	20	5000 Series	\$ 99.50	
1 Cyl; B&S 1-9/16" x 1-1/4"; P. Disp. 2.88; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6-1/2" x 4-1/4", 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 30 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 2-1/2 hrs; Positive Water Rotor Pump; Depend-a-Pull Starter.				
1950	40	15000 Series	\$150.45	
2 Cyl; B&S 1-9/16" x 1-1/4"; P. Disp. 5.76; HP 4-1/2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 36 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 1-1/4 hrs; Positive Water Rotor Pump; Depend-a-Pull Starter.				
1950	60	25000 Series	\$189.45	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.2 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/4, 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive Water Rotor Pump; Depend-a-Pull Starter.				
1950	Hi-Speed "60"	25000 Series	\$275.00	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.2 @ 4000 RPM; Prop. dia. & pitch selected, 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Steel; Wt. 43-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank varies; Forced Water Cooling; Selected Starter.				
1950	"66"	25000 Series	\$199.45	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.2 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/4", 2 B1; C. P. Gap .020; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr.; Positive Water Rotor Pump; Depend-a-Pull Starter.				
1950	"100"	55000	\$269.50	
2 Cyl; B&S 2-3/16" x 1-3/4"; P. Disp. 13.15; HP 10 @ 4800 RPM; Prop. dia. & pitch 8" x 9-1/4", 2 B1; C. P. Gap .020; S. P. Gap .030; Shear P.n, none; Wt. 57 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 hr; Positive Water Rotor Pump; Depend-a-Pull Starter.				

MAJESTIC (Continued)

Year	Model	Serial No.	FOB	Cash Value
1954-55	M-2LL Fisherman Spec.			\$137.50
2 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954-55	M-3 LL G.S.			\$198.50
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. JSJ, Gap .030 Shear Pin 3/16" x 1-1/16", alum. Wt. 46 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954-55	M-4 LL G.S.			\$209.50
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 12 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954-55	M-6 LL G.S.			\$325.00
2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J, Gap .030; Shear Pin 3/16" x 1-1/16", brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48** pts; Run. time full tank 4 hrs.; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1955	3MM-GS Power Shift			\$219.50
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum.; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1 or 2; Pull-O-M starter.				
1955	4MM-GS Power Shift			\$245.00
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum.; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1 or 2; Pull-O-M starter.				
1955	6MM-GS Power Shift			\$342.50
2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1 or 2; Pull-O-M starter.				
1955	6MS-GS Power Shift Midship Control			\$375.00
2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1 or 2; Pull-O-M starter.				
1955	4MM-HR, Class JU, Hot-Rod			\$295.00
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP @ RPM; Prop. dia. & pitch 5" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 36 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1 or 2; Rope starter.				
1955	6MM-HR, Class BU, Hot-Rod			\$397.50
2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP @ RPM; Prop. dia. & pitch 7" x 13 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 46 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1 or 2; Rope starter.				
1956	M-2N Fisherman Special			\$174.50
1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. 7; Gap .030; Shear Pin 3/16" x 1-1/16" Alum.; Wt. 42 lbs.; Oil 1/2 pt; SAE * per gal.; Fuel Cap. 10 pts.; Run. time full tank 2 1/2 hr.; Water cooled; Gear lub. OM; Automatic Rewind starter. OM—Outboard Motor Waterproof Gear Lub.				
1956	M-3N-GS Gear Shift			\$220.00
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 6 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum. Wt. 46 lbs.; Oil 1/2 pt; SAE * per gal.; Fuel Cap. 10 pts. Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. 1* or 2* Automatic Rewind starter.				
1956	M-4N-GS Gear Shift			\$235.00
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7.8 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Gap .030; Shear Pin 3/16" x 1-1/16" Alum.; Wt. 47 lbs.; Oil 1/2 pt; SAE * per gal.; Fuel Cap. 48** pts.; Run. time full tank 4 hrs.; water cooled; Gear lub. *2*; Automatic Rewind starter.				
1956	M-6N-GS Gear Shift			\$335.00
2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE * per gal.; Fuel Cap. 48** pts.; Run. time full tank 4 hrs.; water cooled; Gear lub. 2*; Automatic Rewind starter.				

1* Use Champion Lower Unit Oil, 2* Extreme Pressure Outb. Gear Oil EP-90.

** 6 Gal. Separate Day Cruiser Tank.

MAJESTIC
 Outboard Motor Brands, Inc.
 P. O. Box 994, Minneapolis, Minn.

Year	Model	Serial No.	FOB	Cash Value
1950	1-MBB Standard Single		\$132.50	
1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run time full tank 2 1/2 hrs; Water Cooled; Rope Starter.				
1950	2-MB Deluxe Single		\$147.50	
1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run time full tank 2 1/2 hrs; Water Cooled; Automatic Rewind Starter.				
1951	1-MBB Standard Single		\$132.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, S. P. Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Run. time full tank 2-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Rope starter.				
1951	2-MB Deluxe Single		\$159.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Pull-O-Matic starter.				
1951	4-MB Deluxe Lite Twin		\$199.50	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Pull-O-Matic starter.				
1952	1-MBB Standard Single		\$132.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, S. P. Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Run. time full tank 2-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Rope starter.				
1952	2-MB Deluxe Single		\$159.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Pull-O-Matic starter.				
1952	4-MB Deluxe Lite Twin		\$199.50	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Pull-O-Matic starter.				
1953	M-2L Fisherman Spec.		\$127.50	
1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 42 lbs. approx; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2 1/2 hrs; Gear lub. Outboard Motor Gear Lubr.; Water cooled; Automatic rewind starter.				
1953	M-3L-GS Gear Shift		\$198.50	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5.0 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear Pin 3/16" x 1-1/16"; Wt. 56 lbs. approx; oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1 1/2 hrs; Gear lub. 1* or 2*; water cooled; automatic rewind starter.				
1953	M-4L-GS Gear Shift		\$237.50	
2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.41; HP 8.5 @ 4300 RPM; Prop. dia. & pitch 8" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 56 lbs. approx; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 1/2 hrs; Gear lub. 1* or 2*; water cooled, Automatic rewind starter.				
1953	M-6L-GS Gear Shift			
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 12.0 @ 4300 RPM; Prop. dia. & pitch 8" x 11 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear Pin 3/16" x 1-1/16"; Wt. 59 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 6** gal; Run. time full tank 4 hrs; Gear lub. 1* or 2*; water cooled; Automatic rewind starter.				
1954	M-2LL Fisherman Spec.		\$137.50	
1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954	M-3 LL G.S.		\$198.50	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. JSJ, Gap .030 Shear Pin 3/16" x 1-1/16", alum; Wt. 46 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954	M-4 LL G.S.		\$209.50	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 12 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.				
1954	M-6 LL G.S.		\$325.00	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. JSJ, Gap .030; Shear Pin 3/16" x 1-1/16", brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48** pts; Run. time full tank 4 hrs.; Water cooled; Gear lub. 1* or 2*.; Automatic rewind starter.				

1* Use Champion Lower Unit Oil, 2* Extreme Pressure Outb. Gear Oil EP-90.
 ** 6 Gal. Separate Day Cruiser Tank.

LAUSON—(Continued)
The Lauson Company
A Division of the Hart-Carter Co.
New Holstein, Wis.

Year	Model	Serial No.	FOB	Cash Value
1955-56	S-393		\$142.50	
1 Cyl; B&S 2 1/4" x 1 1/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7 1/4" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" Alum; Wt. 44 lbs.; Oil 2 pt*; SAE 30 per gal; Fuel Cap. 5 pts; Run. time full tank 3 hrs; Air cooled; Gear lub.; Automatic Rewind starter. * Crankcase (Do not mix gas and oil)				
1955-56	T653		\$197.50	
2 Cyl; B&S 2 1/4" x 1 1/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" Alum; Wt. 57 lbs.; Oil 2 pts*; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Gear lub.; Automatic Rewind starter. * Crankcase (Do not mix gas and oil)				
1955-56	T653N**		\$223.85	
2 Cyl; B&S 2 1/4" x 1 1/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" Alum; Wt. 57 lbs.; Oil 2 pts*; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Gear lub.; Automatic Rewind starter. * Crankcase (Do not mix gas and oil) ** With Forward-Neutral				
1955	T653R**		\$257.50	
2 Cyl; B&S 2 1/4" x 1 1/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" Alum; Wt. 64 lbs.; Oil 2 pts*; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Gear lub.; Automatic Rewind starter. * Crankcase (Do not mix gas and oil) ** With Forward-Neutral & Reverse				

LAUSON
 The Lauson Company
 A Division of the Hart-Carter Co.
 New Holstein, Wis.

Year	Model	Serial No.	FOB	Cash Value
1940-47	Sport King OB-410		\$117.20	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.1; HP 2.5 @ 3000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 39 lbs; SAE-20; Fuel cap. 5 pts; Run. time full tank 3 hrs. 30 min; Air Cooled; Cord Starter.				
1948	Sport King Single S-300		\$124.95	
1 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 6.29; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 44 lbs; SAE-20; Fuel cap. 5 pts; Run. time full tank 3 hrs; Air Cooled; Auto-Rewind.				
1948	Sport King Twin T-600		\$174.95	
2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 12.58; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 57 lbs; SAE-20; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air Cooled; Auto-Rewind.				
1949	Sport King Single S-300		\$129.50	
1 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 6.29; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 44 lbs; SAE-20; Fuel cap. 5 pts; Run. time full tank 3 hrs; Air Cooled; Auto-Rewind.				
1949	Sport King Twin T-600		\$179.50	
2 Cyl; B&S 2-1/2" x 1-7/8"; P. Disp. 12.58; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 57 lbs; SAE-20; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air Cooled; Auto-Rewind.				
1950	Sport King Single S350		\$129.50	
1 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" alum; Wt. 44 lbs; SAE-30; Fuel cap. 5 pts; run. time full tank 3 hrs; Air Cooled; Auto-rewind starter.				
1950	Sport King Twin T-650		\$179.50	
2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" alum; Wt. 57 lbs; SAE-30; Fuel cap. 10 pts; run. time full tank 3 hrs; Air Cooled; Auto-Rewind Starter.				
1951	Sport King Twin T651		\$197.50	
2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1" alum; Wt. 57 lbs; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Auto-rewind starter.				
1951	Sport King Twin T651R		\$257.50	
2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1" alum; Wt. 64 lbs; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Auto-rewind starter; Reverse gear.				
1952	Sport King Single S351		\$142.50	
1 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" alum; Wt. 44 lbs; SAE-30; Fuel cap. 5 pts; run. time full tank 3 hrs; Air Cooled; Auto-rewind starter.				
1952	Sport King Twin T651		\$197.50	
2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1" alum; Wt. 57 lbs; SAE-30; Fuel cap. 10 pts. Run. time full tank 3 hrs; Air Cooled; Auto-rewind starter.				
1952	Sport King Twin T651R		\$257.50	
2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1" alum; Wt. 64 lbs; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Auto-rewind starter; Reverse gear.				
1953	S-353		\$142.50	
1 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6" 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 44 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 5 pts; Run. time full tank 3 hrs; Air cooled; Automatic Rewind starter; *Crank case (do not mix oil and Gasoline)				
1953	T-653		\$197.50	
2 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 57 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Automatic rewind starter; *Crank case (do not mix oil and Gasoline)				
1953	T653R		\$257.50	
2 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 64 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Automatic rewind starter; *Crank case (do not mix oil and Gasoline) 1 Equip. with transmission type shift—forward, neutral, reverse at any speed.				
1954	S-353		\$142.50	
1 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C.P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 44 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 5 pts; Run. time full tank 3 hrs; Air cooled; Automatic Rewind starter; *Crank case (do not mix oil and Gasoline) 1 Equip. with transmission type shift—forward, neutral, reverse at any speed.				
1954	T-653		\$197.50	
2 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 57 lbs; Oil 2 pts.*; SAE-30; Fuel Cap. 10 pts; Run. time full tank 3 hours; Air cooled; Automatic rewind starter; *Crank case (do not mix oil and gasoline)				
1954	T653R		\$257.50	
2 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 64 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Automatic rewind starter; *Crank case (do no mix oil and gasoline) 1 Equip. with transmission type shift—forward, neutral, reverse at any speed.				

JOHNSON (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	JW-12	1328373	\$146.00	
2 Cyl; P&S 1-9/16 x 1 1/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 13/16" s/s; Wt. 32 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4.88 pts. Run. time full tank 1 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	JWL-12	1370800	\$153.50	
2 Cyl; B&S 1-9/16 x 1 1/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 13/16" s/s; Wt. 32 1/2 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4.88 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	CD-13	1344230	\$216.00	
2 Cyl; B&S 1-15/16" x 1 1/4"; P. Disp. 8.84; HP 5 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 7/8" s/s; Wt. 51 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	CDL-13	1361415	\$223.50	
2 Cyl; B&S 1-15/16" x 1 1/4"; P. Disp. 8.84; HP 5 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 7/8" s/s; Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	AD-10	1363950	\$241.00	
2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 7/8" s/s; Wt. 56 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 3 1/2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	ADL-10	1376150	\$248.50	
2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 7/8" s/s; Wt. 57 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 3 1/2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	QD-17	1329163	\$321.00	
2 Cyl; B&S 2 3/8" x 1 7/8"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" Brass; Wt. 70 1/2 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	QDL-17	1364950	\$331.00	
2 Cyl; B&S 2 3/8" x 1 7/8"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" Brass; Wt. 72 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	FD-10	1334215	\$362.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" s/s; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	FDL-10	1379250	\$372.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" s/s; Wt. 76 1/2 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	FDE-10	1351230	\$452.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin ; Wt. 88 1/2 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank hr.; cooled; Gear lub.; Auto. Rewind & Electric starter.				
1956	FDEL-10	1393400	\$462.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" s/s; Wt. 90 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/2 hrs.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter.				
1956	RDL-18	1368025	\$472.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 114 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	RD-18	1330648	\$462.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 112 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.				
1956	RDE-18	1331990	\$552.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 126 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter.				
1956	RDEL-18	1366725	\$567.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 128 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter.				
1956	RJE-18	1368925	\$582.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 128 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter.				
1956	RJEL-18	1384650	\$597.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 130 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter.				

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JOHNSON (Continued)

Year	Model	Serial No.	FOB	Cash Value
1953	JW-10 (JWL)	983984	\$145.00	
2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.2764; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 5 3/4"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin no. 302230, stainless steel; Wt. 31 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 4.88 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1953	TN-28 (TNL)	980884	\$187.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin part no. 302333, monel; Wt. 44 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 7 pts; Run. time full tank 1 1/4 hrs; water cooled; gear lub. Mobilube GX-90; Ready-Pull starter.				
1953	QD-14 (QDL)	996584	\$275.00	
2 Cyl; B&S 2-3/8" x 1 1/2"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin part no. 301923, monel; Wt. 60 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 40 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter. (Equipped with separate fuel tank)				
1953	RD-14, 15 (RDL)	983284	\$390.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin part no. 302566, Brass; Wt. 98 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 40 pts; Run. time full tank 2 hrs; water cooled; gear lub. Mobilube GX-90; Ready-Pull starter. (Equipped with separate fuel tank)				
1954	JW-10 (JWL)	1075711	\$145.00	
2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 5 3/4"; 3 Bl; C. P. Gap .020; S. P. Auto Lite-A3X; Gap .030; Shear Pin part No. 302230; Stainless Steel; Wt. 32 lbs. Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 4.88 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	CD-10 (CDL)	1082412	\$210.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champion J-6-J Gap .030; Shear Pin Part No. 302333, Monel; Wt. 47 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 32 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	CD-11 (CDL)	1128338	\$210.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Auto-Lite-A3X or Champ. J-6-J Gap .030; Shear Pin Part No. 302333; Wt. 47 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	QD-15 (QDL)	1083887	\$297.50	
2 Cyl; B&S 2-3/8" x 1 1/2"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 301923, Monel; Wt. 63 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 48 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	RD-15 (RDL)	1078711	\$410.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X Gap .030; Shear Pin Part No. 302566, Brass; Wt. 99 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	RD-15A (RDL)	1105062	\$410.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 302566, brass; Wt. 99 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	RD-16 (RDL)	1124413	\$410.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 302566, brass; Wt. 99 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	RDE-16 (RDL)	1116337	\$498.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Auto-Lite A3X Gap .030; Shear Pin Part No. 302566, brass; Wt. 116 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 48 pts; Run. time full tank 2 hr; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	RD-16A (RDL)		\$410.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 302566, brass; Wt. 99 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1954	RDE-16A (RDL)		\$498.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 302333, Monel; Wt. 47 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 32 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1955	Sea Horse "3" SW-N (SWL-11)	1202587	\$145.00	
2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.28; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 5 3/4"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Autolite A3X; Gap .030; Shear Pin 1/2" x 13/16"; Stain; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4.88 Integral pts; Run. time full tank 1 hr; Water cooled; Gear lub. GX Mobilube 90; Automatic Rewind starter.				
1955	Sea Horse "5 1/2" CD-12 (CDL-12)	1195493	\$210.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champ J6J or Autolite A3X; Gap .030; Shear Pin 3/16" x 1/2" Stain; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Remote; Run. time full tank 4 hrs.; Water cooled; Gear lub. GX 90; Automatic Rewind starter.				
1955	Sea Horse "10" QD-16 (QDL-16)	1194168	\$310.00	
2 Cyl; B&S 2-3/8" x 1-3/8"; P. Disp. 16.6; HP 10.0 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Autolite A3X; Gap .030; Shear Pin 3/16" x 13/16" Brass; Wt. 67 1/2 lbs; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Remote; Run. time full tank 3 hrs.; Water cooled; Gear lub. GX 90; Automatic Rewind starter.				
1955	Sea Horse "25" RD-17 (RDL-17)	1209618	\$430.00	
2 Cyl; B&S 2-3/8" x 2-3/8"; P. Disp. 35.7; HP 25.0 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Autolite A3X; Gap .030; Shear Pin 1/4" x 1-1/8" Brass; Wt. 114 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs.; Water Cooled; Gear lub. GX 90; Automatic Rewind starter.				
	Electric Starting			
1955	Sea Horse "25" RDE-17 (RDEL-17)	1199643	\$525.00	
2 Cyl; B&S 2-3/8" x 2-3/8"; P. Disp. 35.7; HP 25.0 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12 1/2"; 3 Bl; C. P. Gap .023; S. P. Champ J6J or AutoLite A3X; Gap .030; Shear Pin 1/4" x 1-1/8" Brass; Wt. 128 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs.; Water cooled; Gear lub. GX 90; Electric Plus Automatic Rewind starter.				

JOHNSON (Continued)

Year	Model	Serial No.	FOB	Cash Value
1950	HD-25 (HDL)	787474 - 866101	\$125.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 4.8 pts; run. time full tank 1-1/2 hrs; Water Cooled; Ready-Pull Starter.				
1950	TN-25, 26 (TNL)	786915 - 869479	\$170.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Drive Pin Part No. 302333; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Ready-Pull Starter.				
1950	QD-10, 11 (QDL)*	786921 - 864533	\$285.00	
2 Cyl; B&S 2-3/8" x 1-1/2"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin Part No. 301923; Wt. 56 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 40 pts; run. time full tank 4 hrs; Water Cooled; Ready-Pull Starter. * Equipped with separate "Mile Master Fuel Tank."				
1950	SD-20 (SDL)*	788374 - 866309	\$340.00	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .020; S. P. Champion 5MJ Gap .030; Shear Pin Part No. 45-300079; Wt. 85-1/2 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 40 pts; run. time full tank 2-1/2 hrs; Water Cooled; Ready-Pull Starter. * Equipped with separate "Mile Master Fuel Tank".				
1950	PO-15 (POL)	787024 - 869639	\$395.00	
2 Cyl; B&S 2-3/8" x 2.52"; P. Disp. 22.92; HP 22 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .020; S. P. Champion R7 Gap .020 (not adjustable); Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 20 pts; run. time full tank 1 hr; Water Cooled; Rope Starter.				
1951	HD-26 (HDL)	875015 - 860400	\$137.50	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-3/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 4.9 pts; run. time full tank 1-1/2 hrs; Water cooled; Ready-Pull starter. Gear lub. Mobilube GX-90.				
1951	TN-27 (TNL)	871440 - 921579	\$187.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Drive Pin Part No. 302333; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.				
1951	QD-12 (QDL)	876115 - 923779	\$295.00	
2 Cyl; B&S 2-3/8" x 1-7/8"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 301923; Wt. 56 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 40 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter. (Equipped with separate fuel tank.)				
1951	RD-10, 11 (RDL)	894227 - 922679	\$390.00	
2 Cyl; B&S 2-7/8" x 2-3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 302566; Wt. approx. 95 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 40 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter. (Equipped with separate fuel tank.)				
1952	JW-10 (JWL)	949258	\$145.00	
2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 5-3/4"; 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin Part No. 302230 Stainless Steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel Cap. 7 pts; Run. time 1-1/2 hrs; Gear lub. Mobilube GX-90; Water cooled; Ready-Pull starter.				
1952	TN-27, 28 (TNL)	926305	\$187.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 302333; Monel; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gearlub. Mobilube GX-90; Ready-Pull starter.				
1952	*QD-13 (QDL)	927530	\$295.00	
2 Cyl; B&S 2-3/8" x 1-7/8"; P. Disp. 16.6 HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 301923; Monel; Wt. 56 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 40 pts.; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.* (Equipped with separate fuel tank.)				
1952	*RD-12, 13 (RDL)	926405	\$390.00	
2 Cyl; B&S 2-3/8" x 2-3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 302566; Brass; Wt. approx. 97 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 40 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube. GX-90; Ready-Pull starter.* (Equipped with separate tank.)				

JOHNSON (Continued)

Year	Model	Serial No.	FOB	Cash Value
1946	TD-20 (TDL-20)	491055 - 537995	\$154.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min.; Water Cooled; Ready-Pull Starter. (TDL-\$159.00)				
1946	KD-15 (KDL-15)	488297 - 522161	\$250.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2", 2 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 15-102; Wt. 70-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (KDL-\$255.00)				
1946	SD-15 (SDL-15)	504966 - 544041	\$308.00	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 92-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (SDL-\$313.00)				
1946	PO-15 (POL-15)	478122 - 521628	\$350.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12", 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter. (POL-\$360.00)				
1947	HD-25 (HDL-25)	532889 - 617685	\$120.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Ready-Pull Starter. (HDL-\$125.00)				
1947	TD-20 (TDL-20)	536490 - 612209	\$160.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Ready-Pull Starter. (TDL-\$165.00)				
1947	KD-15 (KDL-15)	521292 - 608441	\$250.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2", 2 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 15-102; Wt. 70-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (KDL-\$255.00)				
1947	SD-15 (SDL-15)	529071 - 607080	\$310.00	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 92-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (SDL-\$315.00)				
1947	PO-15 (POL-15)	521555 - 609075	\$350.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12", 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter. (POL-\$360.00)				
1948	HD-25 (HDL-25)	617500 - 698924	\$120.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Ready-Pull Starter. (HDL-\$127.50)				
1948	TD-20 (TDL-20)	610154 - 706840	\$160.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min.; Water Cooled; Ready-Pull Starter. (TDL-\$167.50)				
1948	KD-15 (KDL-15)	608390 - 685411	\$250.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2", 2 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 15-102; Wt. 70-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (KDL-\$257.50)				
1948	SD-15 (SDL-15)	606907 - 703563	\$310.00	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 92-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (SDL-\$317.50)				
1948	PO-15 (POL-15)	584462 - 676932	\$350.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter. (POL-\$365.00)				
1949	HD-25 (HDL)	698925	\$130.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 4.8 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Ready-Pull Starter.				
1949	TD-20 (TDL)	706841	\$170.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Ready-Pull Starter.				
1949	QD-10 (QDL)	703813	\$300.00	
2 Cyl; B&S 2-3/8" x 1-7/8"; P. Disp. 16.6; HP 10.0 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 3 Bl; C. P. Gap .030; S. P. Champion J6J; Shear Pin Part No. 301923; Wt. 56 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 40 pts; Run. time full tank 4 hrs; Equipped with Separate Mile-Master Fuel Tank; Water Cooled; Ready-Pull Starter.				
1949	SD-20 (SDL)	706313	\$350.00	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 85-1/2 lbs.; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 40 pts; Run. time full tank 2-1/2 hrs; Equipped with Separate Mile-Master Fuel Tank; Water Cooled; Ready-Pull Starter.				
1949	PO-15 (POL)	711013	\$395.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 20 pts; Run. time full tank 1 hr.; Water Cooled; Rope Starter.				

JOHNSON (Continued)

Year	Model	Serial No.	FOB	Cash Value
1941	KD-15	397901 - 439206	\$195.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 15-102; Wt. 71 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1941	SD-10	397901 - 439206	\$255.00	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 45-300,079; Wt. 89 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1941	PO-15	397901 - 439206	\$280.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1942	MS-20	439207 - 460782	\$ 62.00	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 4-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 24 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pt; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1942	MD-20	439207 - 460782	\$ 70.00	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 4-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 26 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pt. Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1942	HS-20	439207 - 460782	\$ 97.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 27 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pt; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1942	HD-20	439207 - 460782	\$105.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 29 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1942	TD-15	439207 - 460782	\$132.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 42-300,592; Wt. 40 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Ready-pull Starter.				
1942	TS-15	439207 - 460782	\$140.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 42-300,592; Wt. 42 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1942	KS-15	439207 - 460782	\$205.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1942	KD-15	439207 - 460782	\$215.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5 M; Shear Pin Part No. 15-102; Wt. 71 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1942	SD-10	439207 - 460782	\$280.00	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 13"; 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 89 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1942	PO-15	439207 - 460782	\$310.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1943		460783 - 491736		
1944	No motors Manufactured for civilian use during 1943 and 1944.			
1945	HD-20 (HDL-20)	(not produced)	\$105.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08 HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8J; Wt. 31 lbs; Shear Pin Part No. 43-72; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Ready-Pull Starter (HDL-\$110.00)				
1945	TD-15 (TDL-15)	473319 - 478662	\$140.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min.; Water Cooled; Ready-Pull Starter. (TDL-\$145.00)				
1945	KD-15 (KDL-15)	473962 - 483860	\$215.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 15-102; Wt. 70-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (KDL-\$220.00)				
1945	SD-10 (SDL-10)	(not produced)	\$280.00	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; H. P. 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10"; 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 92-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (SDL-\$285.00)				
1945	PO-15 (POL-15)	470552 - 478106	\$310.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No 19-102; Wt. 115-3/4 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter. (POL-\$320.00)				
1946	HD-20 (HDL-20)	489360 - 533253	\$115.50	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Ready-Pull Starter. (HDL-\$120.50)				

JOHNSON (Continued)

Year	Model	Serial No.	FOB	Cash Value
1939	KA-39	315167 - 355971	\$177.50	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9"; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1939	PO-39	315167 - 355971	\$269.50	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x Different Types, 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1940	MS-15	355972 - 397900	\$ 49.50	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.04; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 19 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 1.8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1940	MD-15	355972 - 397900	\$ 62.50	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.04; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 24 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 2.3 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Ready-Pull Starter.				
1940	HS-10.15	355972 - 397900	\$ 79.50	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 21-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.25 pts; Run. time full tank 1.1 hr; Water Cooled; Rope Starter.				
1940	HA-10.15	355972 - 397900	\$ 86.50	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 26 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.25 pts; Run. time full tank 1.1 hr; Water Cooled; Ready-Pull Starter.				
1940	HD-10.15	355972 - 397900	\$ 94.50	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 28 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.25 pts; Run. time full tank 1.1 hr; Water Cooled; Ready-Pull Starter.				
1940	LT-10	355972 - 397900	\$109.50	
2 Cyl; B&S 1-15/16" x 1-3/8"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 33-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 5.2 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1940	AT-10	355972 - 397900	\$117.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 5.2 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1940	DT-10	355972 - 397900	\$129.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 42-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6.5 pts; Run. time full tank 1.2 hr; Water Cooled; Ready-Pull Starter.				
1940	KA-10	355972 - 397900	\$177.50	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9"; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1940	SD-10	355972 - 397900	\$244.50	
2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10"; 3 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 43-300,079; Wt. 88 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1940	PO-10	355972 - 397900	\$269.50	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1941	MS-20	397901 - 439206	\$ 55.00	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 4-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 24 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1941	MD-20	397901 - 439206	\$ 62.00	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 4-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 26 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Ready-Pull Starter.				
1941	HS-20	397901 - 439206	\$ 87.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 27 lbs; 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1941	HD-20	397901 - 439206	\$ 94.00	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 29 lbs; 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1.1 hr; Ready-Pull Starter.				
1941	TS-15	397901 - 439206	\$118.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 42-300,592; Wt. 40 lbs; 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1941	TD-15	397901 - 439206	\$125.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 42-300,592; Wt. 42 lbs; 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1.1 hrs; Water Cooled; Ready-Pull Starter.				
1941	KS-15	397901 - 439206	\$185.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 15-102; Wt. 64 lbs; 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Rope Starter.				

JOHNSON (Continued)

Year	Model	Serial No.	FOB	Cash Value
1937	110	252676 - 283888	\$ 75.00	
1 Cyl; B&S 2" x 1-1/2"; P. Disp. 4.71; HP 1.7 @ 3300 RPM; Prop. dia. & pitch 7-3/8" x 4-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 31-54; Wt. 24-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 4 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1937	AA-37	252676 - 283888	\$175.00	
2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.5 @ 4000 RPM; Prop. dia. & pitch 9-1/8" x 6", 3 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 25-286; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1937	KA-37	252676 - 283888	\$212.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.3 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9", 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel Cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1937	PO-37	252676 - 283888	\$315.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22 @ 4000 RPM; Prop. dia. 12" x Different Types; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel Cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1938	MS-38	283889 - 315166	\$ 49.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.04; HP 1.1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 17 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 1.8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1938	MD-38	283889 - 315166	\$ 62.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.04; HP 1.1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 21 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 2.3 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1938	LS-38	283889 - 315166	\$ 77.50	
1 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 4.14; HP 2.1 @ 4000 RPM; Prop. dia. & pitch 8" x 4-3/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 30-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 2-5/8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1938	DS-38	283889 - 315166	\$ 94.50	
1 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 4.14; HP 2.1 @ 4000 RPM; Prop. dia. & pitch 8" x 4-3/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1938	LT-38	283889 - 315166	\$109.50	
2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.2 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 37-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1938	DT-38	283889 - 315166	\$129.50	
2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.2 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 39-1/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1938	KA-38	283889 - 315166	\$177.50	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.3 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9", 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1938	PO-38	283889 - 315166	\$269.50	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 2.2 @ 4000 RPM; Prop. dia. & pitch 12" x Different Types 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1938	210	283889 - 315166	\$ 89.50	
1 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.4; HP 3.3 @ 3300 RPM; Prop. dia. & pitch 7-5/8" x 5-1/2"; 3 Bl; C. P. Gap .030; S. P. Champion C-7; Shear Pin Part No. 31-54; Wt. 39 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1939	MS-39	315167 - 355971	\$ 49.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.04; HP 1.1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 17 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 1.8 pts; Run. time full tank 1 hr; Water Cooled; Reverse Starter.				
1939	MD-39	315167 - 355971	\$ 62.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.04; HP 1.1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 21 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 2.3 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Ready-Pull Starter.				
1939	HS-39	315167 - 355971	\$ 79.50	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 21-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.5 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter				
1939	HA-39	315167 - 355971	\$ 86.50	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 26 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.5 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1939	HD-39	315167 - 355971	\$ 94.50	
2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 28 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.75 pts; Run. time full tank 1.1 hr. Water Cooled; Ready-Pull Starter.				
1939	LT-39	315167 - 355971	\$109.50	
2 Cyl; B&S 1-5/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 33-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5.25 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1939	AT-39	315167 - 355971	\$117.50	
2 Cyl; B&S 1-5/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1.2 hrs; Water Cooled; Ready-Pull Starter.				
1939	DT-39	315167 - 355971	\$129.50	
2 Cyl; B&S 1-5/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 42 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6.5 pts; Run. time full tank 1.2 hrs; Water Cooled; Ready-Pull Starter.				

(SUNING) NO31HOJ

JOHNSON

Johnson Motors

2600 Pershing Road, Waukegan, Illinois

Year	Model	Serial No.	FOB	Cash Value
1935	J-75	219372 - 232156	\$ 87.50	
1 Cyl; B&S 2" x 1-1/2"; P. Disp. 4.71; HP 1.4 @ 3000 RPM; Prop. dia. & pitch 8" x 8"; 2 B1; C. P. Gap .020; S. P. Champion C-7; Shear Pin 31" x 54"; Wt. 29-1/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1935	F-75	219372 - 232156	\$115.00	
2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 3.3 @ 3000 RPM; Prop. dia. & pitch 8" x 9"; 2 B1; C. P. Gap .020; S. P. Champion C-7; Shear Pin 31" x 54"; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 19 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1935	300	219372 - 232156	\$130.00	
2 Cyl; B&S 1-7/8" x 1-3/8"; P. Disp. 7.59; HP 3.7 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/4"; 2 B1; C. P. Gap .020; S. P. Champion J-6; Shear Pin 31" x 54"; Wt. 37 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1935	A-75	219372 - 232156	\$145.00	
2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.5 @ 4000 RPM; Prop. dia. & pitch 9-1/8" x 6"; 3 B1; C. P. Gap .020; S. P. Champion 5-M; Shear Pin 25" x 280"; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 34 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1935	K-75	219372 - 232156	\$165.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.3 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9"; 3 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 15" x 102"; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1935	P-75	219372 - 232156	\$255.00	
2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 19" x 102"; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1935	OK-75	219372 - 232156	\$150.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.93; HP 8.1 @ 2800 RPM; Prop. dia. & pitch 10-1/4" x 13"; 2 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 33" x 54"; Wt. 70 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1936	A-80	232157 - 252675	\$145.00	
2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.5 @ 4000 RPM; Prop. dia. & pitch 9-1/8" x 6"; 3 B1; C. P. Gap .020; S. P. Champion 5-M; Shear Pin 25" x 286"; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1936	K-80	232157 - 252675	\$165.00	
2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.3 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9"; 3 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 15" x 102"; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1936	J-80	232157 - 252675	\$ 90.00	
1 Cyl; B&S 2" x 1-1/2"; P. Disp. 4.71; HP 1.7 @ 3300 RPM; Prop. dia. & pitch 8" x 6-1/4"; 2 B1; C. P. Gap .020; S. P. Champion C-7; Shear Pin 31" x 54"; Wt. 28-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1936	P-80	232157 - 252675	\$255.00	
1 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 19" x 102"; Wt. 108 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 34 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1936	100	232157 - 252675	\$ 62.50	
1 Cyl; B&S 2" x 1-1/2"; P. Disp. 4.71; HP 1.7 @ 3300 RPM; Prop. dia. & pitch 7-3/8" x 4-1/2"; 2 B1; C. P. Gap .020; S. P. Champion J8-J; Shear Pin 31" x 54"; Wt. 24-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1936	200	232157 - 252675	\$ 82.50	
2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 3.3 @ 3300 RPM; Prop. dia. & pitch 7-5/8" x 5-1/2"; 3 B1; C. P. Gap .020; S. P. Champion C7; Shear Pin 31" x 54"; Wt. 38-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1936	300	232157 - 252675	\$125.00	
2 Cyl; B&S 1-7/8" x 1-3/8"; P. Disp. 7.59; HP 3.7 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/4"; 2 B1; C. P. Gap .020; S. P. Champion J6; Shear Pin 31" x 54"; Wt. 37 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6.5 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.				
1937	LS-37	252676 - 283888	\$ 92.50	
1 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 4.14; HP 2.1 @ 4000 RPM; Prop. dia. & pitch 8" x 4-3/4"; 2 B1; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 33 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 2-5/8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1937	DS-37	252676 - 283888	\$107.50	
1 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 4.14; HP 2.1 @ 4000 RPM; Prop. dia. & pitch 8" x 4-3/4"; 2 B1; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 39 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 4 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1937	LT-37	252676 - 283888	\$125.00	
2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.2 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 B1; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 40 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1937	DT-37	252676 - 283888	\$150.00	
2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.2 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 B1; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.				
1937	210	252676 - 283888	\$105.00	
2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.4; HP 3.3 @ 3000 RPM; Prop. dia. & pitch 7-5/8" x 5-1/2"; 2 B1; C. P. Gap .030; S. P. Champion C7; Shear Pin Part No. 31-54; Wt. 38-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				

HIAWATHA (Continued)

Year	Model	Serial No.	FOB	Cash Value
1954	3D11H		\$112.50	
1 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub. lower unit lub. grease. Automatic rewind starter.				
1954	5S10H		\$144.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; automatic rewind starter.				
1954	5D10H		\$174.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid oil; Automatic rewind starter.				
1954	12D11H		\$264.50	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid oil; Automatic rewind starter.				
1955	55 OM1-25-7959A		\$112.50	
1 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 3/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955	OM1-25-7982A		\$264.50	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr. Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.				
1956	7960A	4065		
1 Cyl; B&S 2 1/8" x 1 3/4"; P. Disp. 6.23; HP 3.6 @ 42-4500 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. H10J Gap .035; Shear Pin 5/32" x 59/64" Brass; Wt. 36 lbs.; Oil 1/2 pt; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 2 1/4 hr.; Rotor water pump cooled; Gear lub. SAE 90; Recoil starter.				
1956	7970A	4765		
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 42-4500 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. H10J Gap .035; Shear Pin 5/32" x 59/64" Brass; Wt. 45 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 28 pts.; Run. time full tank 5 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl starter.				
1956	7985A	4365		
2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.0; HP 7.5 @ 42-4500 RPM; Prop. dia. & pitch 8" x 7"; 2 Bl; C. P. Gap .020; S. P. H10J Gap .035; Shear Pin 5/32" x 59/64" Brass; Wt. 49 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 6 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl starter.				
1956	7995A	4965		
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 42-4500 RPM; Prop. dia. & pitch 9" x 10"; 2 Bl; C. P. Gap .020; S. P. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 3/4 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl starter.				
1956	8005A	4665		
2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 42-4500 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. H10J, J6J Gap .030; Shear Pin 1/2" x 1-7/64" Brass; Wt. 115 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl starter.				
1956	8006A	4665-3		
2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 42-4500 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. H10J, J6J Gap .030; Shear Pin 1/2" x 1-7/64" Brass; Wt. 130 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl Electric starter.				

HIAWATHA (Continued)

Year	Model	Serial No.	FOB	Cash Value
1950	1H5		\$ 59.50	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .020; S. P. Champion J9J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel Cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1950	1H9	25-7958	\$ 84.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .020; S. P. Champion J9J; Shear Pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel Cap. 4 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Rope Starter.				
1950	2H7		\$117.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/4" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 7 pts; Run. time full tank 1 hr.; Water Cooled; Automatic Rewind Starter.				
1950	2H8		\$199.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin .210" x 1-3/16", stainless steel; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal.; Fuel Cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1951	3S10H		\$ 89.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Rope starter.				
1951	3D10H		\$109.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1951	5S10H		\$129.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.				
1951	5D10H		\$164.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1951	12S10H		\$219.50	
2 Cyl; B&S; 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin .210" x 1-3/16", alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal.; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1951	12D10H		\$269.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	250M1-25-7973-A		\$164.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, None; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	250-M1-25-7981-A		\$269.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE 30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1953	350M1-25-7959A	3D10H	\$104.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin 1/8" x 7/8" stainless; Wt. 29 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 4 pts; Run time full tank 1 1/2 hrs; Water cooled; Gear lub. grease; Automatic rewind starter.				
1953	350M1-25-7973A	5D10H	\$149.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin none; Wt. 46 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 6 1/2 pts; Run time full tank 1 hr; Water cooled; Gear lub. 90 hypoid; Automatic rewind starter.				
1953	350M1-25-7981A	12D10H	\$239.50	
2 Cyl; B&S 2-3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin Special; Wt. 64 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap 12 pts; Run time full tank 3/4 hr; Water cooled; Gear lub. 90 Hypoid; Automatic rewind starter.				

HIAWATHA
Gamble Skogmo, Inc.
 15 North Eighth St., Minneapolis, Minnesota

Year	Model	Serial No.	FOB	Cash Value
1941	121		\$ 49.95	
1 Cyl; B&S 1-15/16" x 1-35/64"; P. Disp. 4.56; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Commercial J-10, Gap .025; Shear Pin 3/16" x 15/16", Alum; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1941	122		\$ 62.95	
1 Cyl; B&S 1-15/16" x 1-35/64"; P. Disp. 4.56; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Commercial J-10, Gap .025; Shear Pin 3/16" x 15/16", Alum; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Automatic Rewind Starter.				
1941	251		\$ 89.95	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Commercial J-10, Gap .025; Shear Pin 3/16" x 15/16", Alum; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1941	252		\$109.95	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Commercial J-10, Gap .025; Shear Pin 3/16" x 15/16", Alum; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water cooled; Automatic Rewind Starter.				
1946	131		\$ 87.50	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.84; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1946	252A		\$124.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 46 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1947	25-7955		\$ 87.50	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1947	25-7956		\$ 97.50	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1947	25-7970		\$124.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 46 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1947	25-7971		\$134.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 48 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled Automatic Rewind Starter.				
1948	1H5		\$ 63.50	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 5/8", Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1948	1H6		\$ 93.50	
1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1948	2H7		\$127.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1948	2H8		\$215.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 7/32" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1949	1H5		\$ 69.50	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 5/8", Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1949	2H7		\$139.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1949	2H8		\$219.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 7/32" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				

FLAMBEAU (Continued)

Year	Model	Serial No.	FOB	Cash Value
1955-56	174050	010000		\$169.50
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 8 1/2"; 2 Bi; C. P. Gap .020; S. P. Gap .025; Shear Pin Multiple Disc Clutch; Wt. 35 lbs.; Oil 2/3 pt; SAE 40 per gal; Fuel Cap. 7 pts Run. time full tank 1 hr; Water cooled; Gear lub. Texaco Grease; Automatic Rewind starter.				
1955-56	125520	010000		\$123.50
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bi; C. P. Gap .020; S. P. Gap .025; Shear Pin Multiple Disc Clutch; Wt. 29 lbs.; Oil 2/3 pt; SAE 40 per gal; Fuel Cap. 7 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Texaco Grease; Automatic Rewind starter.				

FLAMBEAU
Metal Products Corporation
245 E. Keefe Ave., Milwaukee 12, Wis.

Year	Model	Serial No.	FOB	Cash Value
1947-1948	2.5-46-1	1 to	\$ 95.00	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 26 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1947-1948	2.5-46-1	1 to	\$108.50	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Automatic Rewind Cable Starter.				
1947-1948	5-46-1	1 to	\$150.00	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 32 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1947-1948	5-46-1	1 to	\$163.50	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Cable Starter.				
1949	2.5-46-1	1 to	\$105.00	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 26 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1949	2.5-46-1	1 to	\$118.50	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Automatic Rewind Cable Starter.				
1949	174050	05000 to	\$154.00	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 32 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1949	174050	05000 to	\$167.50	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Cable Starter.				
1950	2.5-46-1	1 to	\$ 98.50	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter. Multi. disc clutch.				
1950	174050	010000 to	\$129.50	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter. Multi. disc clutch.				
1951	2.5-46-1	1 to	\$108.95	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.				
1951	174050	010000 to	\$142.50	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.				
1952	174520	1 to	\$116.50	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.				
1952	174050	010000 to	\$152.50	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.				
1953	174520	1 to	\$118.50	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.				
1953	174050	010000 to	\$161.50	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.				
1954	174050	1 to	\$123.50	
1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub Texaco grease; Automatic rewind starter; Multi. disc clutch.				
1954	174520	010000 to	\$129.50	
2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Texaco Grease; Automatic rewind starter; Multi. disc. clutch. Equip. with transmission type shift—forward neutral, reverse at any speed.				

FIRESTONE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	10A114	133-6-1965	\$349.95	
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ, M80CF Gap .035; Shear Pin 7/32" x 15/16" Brass; Wt. 68 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank hr.; Water cooled; Gear lub. SAE 90; Semi-Automatic Recoil starter.				
1956	10A115	133-6-1665	\$449.95	
2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; Champ, H10J Gap .035; Shear Pin 1/4" x 1 1/8" Brass; Wt. 115 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank hr.; Water cooled; Gear lub. SAE 90; Semi-Automatic Recoil starter.				
1956	10A116	133-6-1665-3	\$539.95	
2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ, H10J Gap .035; Shear Pin 1/4" x 1 1/8" Brass; Wt. 120 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank hr.; Water cooled; Gear lub. SAE 90; Electric starter.				

FIRESTONE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1953	10-A-71		\$109.95-E	
1953	10-A-71		\$109.95-C	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1953	10-A-73		\$179.95-E	
1953	10-A-73		\$184.95-C	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.				
1953	10-A-103		\$219.95-E	
1953	10-A-103		\$224.95-C	
2 Cyl.; B&S 2" x 1 1/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H-10J; Gap .035; Shear Pin 5/32" x 5/8" brass; Wt. 50 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 50 pts., Run time full tank 8 hrs. Water cooled; Self-winding Automatic Type.				
1953	10-A-104		\$269.95-E	
1953	10-A-104		\$274.95-C	
2 Cyl; B&S 2.172" x 2"; P. Disp. 14.69; HP 10 @ 4200 RPM; Prop. dia & pitch 8 1/2" x 10"; 2 Bl; C. P. Gap .020; S. P. Champion HT10J; Gap .035; Shear Pin 5/32" x 5/8", Brass; Wt. 59 lbs; Oil 1/2 Pt; SAE-30 per gal; Fuel Cap. 50 pts. Run time full tank 5 1/2 hrs; Water cooled; Self-winding Automatic Type.				
1954-55	10-A-71	133-4-1045	\$109.95-E	
			\$109.95-C	
1 Cyl; B&S 2 1/4" x 1 1/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 1/2", brass; Wt. 43 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 2 1/4 hrs; water cooled; Gear lub. Texaco outbd. Gear grease; auto. recoil starter.				
1954-55	10-A-102	133-4-1745	\$199.95-E	
			\$204.95-C	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ H10J; Gap .035; Shear Pin 5/32" x 1/2" brass; Wt. 46 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 28 pts; Run. time full tank 5 1/2 hrs; water cooled; Gear lub. Texaco outbd Gear grease; Auto. recoil starter.				
1954-55	10-A-103	133-4-1345	\$219.95-E	
			\$224.95-C	
2 Cyl; B&S 2" x 1 1/4"; P. Disp. 11; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 1/2", brass; Wt. 50 lbs.; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 48 pts; Run. time full tank 8 hrs.; water cooled; Gear lub. Texaco outbd. gear grease; Auto. recoil starter.				
1954-55	10-A-104	133-4-1845	\$269.95-E	
			\$274.95-C	
2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/2" x 10"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 1/2", brass; Wt. 59 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 48 pts; Run. time full tank 5 1/2 hrs; water cooled; Gear lub. EP-90 outbd. gear oil; Auto. recoil starter.				
1954-55	10-A-105	133-4-1945	\$329.95-E	
			\$334.95-C	
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 7/32" x 1/2", brass; Wt. 88 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 48 pts; Water cooled; Gear lub. EP-90 outbd. gear lub. Auto. recoil starter.				
1956	10A111	133-6-1065	\$114.95	
1 Cyl; B&S 2 1/4" x 1-43/64"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 40 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 2 1/4 hr.; Water cooled; Gear lub. Outboard gear grease; Semi-Automatic Recoil starter.				
1956	10A112	133-6-1765	\$199.95	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 42 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 28 pts.; Run. time full tank 5 1/2 hr.; Water cooled; Gear lub. SAE 90; Semi-Automatic Recoil starter.				
1956	10A113	133-6-1865	\$299.95	
2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/2" x 10"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 59 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 5 1/2 hr.; Water cooled; Gear lub. SAE 90; Semi-Automatic Recoil starter.				

FIRESTONE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1950	10-A-71		\$ 89.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1950	10-A-72		\$139.95	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 4.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1950	10-A-73		\$169.95	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.				
1950	10-A-74		\$189.95	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1950	10-A-75		\$249.95	
2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch—not available at time of publication; C. P. Gap .020; S. P. Champion HT-10J; Gap .035; Shear pin 5/32" x 7/8", stainless steel; Wt. 75 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hr; Water Cooled; Automatic Recoil Starter.				
1951	10-A-71		\$109.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1951	10-A-73		\$179.95	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.				
1951	10-A-74		\$199.95	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1951	10-A-75		\$259.95	
2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch—not available at time of publication; C. P. Gap .020; S. P. Champion HT-10J; Gap .035; Shear pin 5/32" x 7/8", stainless steel; Wt. 75 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hr; Water Cooled; Automatic Recoil Starter.				
1952	10-A-71		\$109.95-E	
1952	10-A-71		\$109.95-C	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1952	10-A-73		\$179.95-E	
1952	10-A-73		\$184.95-C	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.				
1952	10-A-74		\$199.95-E	
1952	10-A-74		\$204.95-C	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0 HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032 Shear pin 5/32" x 7/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1952	10-A-75		\$259.95-F	
1952	10-A-75		\$264.95-C	
2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8" x 10"; 2 Bl; C. P. Gap .020; S. P. Champion HT-10J; Gap .035; Shear pin 5/32" x 7/8", stainless steel; Wt. 75 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hr; Water Cooled; Automatic Recoil Starter.				

E-East C-Coast

FIRESTONE
Firestone Tire and Rubber Company
Akron, Ohio

Year	Model	Serial No.	FOB	Cash Value
1946	133-6-460	460 Series	\$ 91.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6-1/2" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 35 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 7 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.				
1945	133-6-462	462 Series	\$ 91.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6-1/2" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 35 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 7 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.				
1946	133-6-463	463 Series	\$ 91.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 37 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 7 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.				
1946	133-6-454	464 Series	\$103.00	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 7 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1947	133-7-475	476 Series	\$ 99.50	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 37 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.				
1947	133-7-477	477 Series	\$112.50	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1947	133-7-479	479 Series	\$164.50	
2 cylinders with Bore and Stroke 2" x 1-3/4"; Piston Displacement 11.00 cu. in.; HP 7.5 @ 4200 RPM; Prop. dia. 8" with 7-1/2" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 52 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 1-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1948	133-8-486	486 Series	\$104.95	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 37 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.				
1948	133-8-487	487 Series	\$119.95	
1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1948	133-8-489	489 Series	\$169.95	
2 cylinders with Bore and Stroke 2" x 1-3/4"; Piston Displacement 11.00 cu. in.; HP 7.5 @ 4200 RPM; Prop. dia. 8" with 7-1/2" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 52 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 1-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.				
1949	10-A-1	133-9-486	\$ 99.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Rope Starter.				
1949	10-A-2	133-9-489	\$109.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1949	10-A-51	133-9-4911	\$139.95 \$143.50 (Coast)	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 4.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1949	10-A-52	133-9-4912	\$169.95	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.				
1949	10-A-53	133-9-4913	\$189.95 \$192.50 (Coast)	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.				

FAGEOL "44"
Fageol Products Company
Kent, Ohio

Year	Model	Serial No.	FOB	Cash Value
1956	"44"		\$695.00	
4 Cyl; B&S 2½" x 2½"; P. Disp. 44; HP 35 @ 5700 RPM; Prop. dia. & pitch 10" x 11"; 3 Bl; C. P. Gap .020-.025; S. P. J-6; Shear Pin ¼" x 1⅝" Brass; Wt. 175 lbs.; Oil None; SAE 20-30; Fuel Cap. 51 pts.; Run. time full tank 2½ hr.; Water cooled; Gear lub. Hypoid 90; Electric starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	Duck Twin	3020	\$146.00	
2 Cyl; B&S 1-9/16" x 1 1/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" s/s; Wt. 32 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 6 pts.; Run. time full tank 1 1/2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.				
1956	Sportwin	10012	\$321.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 72 lbs.; Oil 1 qt.-5 gal.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 4 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.				
1956	Fastwin	15016	\$362.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 75 lbs.; Oil 1 qt.-5 gal. SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.				
1956	Fastwin-Electric	15918	\$452.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 88 lbs.; Oil 1 qt.-5 gal. SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Electric starter.				
1956	Big Twin	25022	\$462.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" s/s; Wt. 113 lbs.; 1 qt.-5 gal.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Simplex Rewinding Rope starter.				
1956	Big Twin-Electric	25924	\$552.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" s/s Wt. 127 lbs.; Oil 1 qt.-5 gal.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Electric starter.				
1956	Lark	25526	\$582.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" s/s Wt. 130 lbs.; Oil 1 qt.-5 gal.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Electric starter.				
1956	Fisherman	5512	\$216.00	
2 Cyl; B&S 1-5/16" x 1 1/2"; P. Disp. 8.84; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 51 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 4 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.				
1956	Fleetwin	7520	\$241.00	
2 Cyl; B&S 2 1/8" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 8" x 8 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 56 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 3 1/2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1955	Lightwin	3014	\$145.00	
2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/4" LH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 13/16" Stain; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/2-1 3/4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Lightwin 5" Longer	3015	\$152.50	
2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/4" LH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 13/16" Stain; Wt. 34 3/4 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/2-1 3/4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Duck Twin	3016	\$145.00	
2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/4" LH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 13/16" Stain; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/2-1 3/4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Fleetwin	7518	\$235.00	
2 Cyl; B&S 2 1/8" x 1 3/4"; P. Disp. 12.4; HP 7 1/2 @ 4000 RPM; Prop. dia. & pitch 8 x 8 1/4" RH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 7/8" Monel; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 3 1/2-4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Fleetwin 5" Longer	7519	\$242.00	
2 Cyl; B&S 2 1/8" x 1 3/4"; P. Disp. 12.4; HP 7 1/2 @ 4000 RPM; Prop. dia. & pitch 8 x 8 1/4" RH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 7/8" Monel; Wt. 53 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 3 1/2-4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Fastwin	15014	\$347.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1-3/16" C. D. Stain; Wt. 75 lbs.; Oil 1 Qt; SAE 30 - 5 Gal.; Fuel Cap. 48 pts; Run. time full tank 2 3/4-3 1/2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Fastwin 5" Longer	15015	\$357.00	
2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1-3/16" C. D. Stain; Wt. 78 1/2 lbs.; Oil 1 Qt; SAE 30 per 5 Gal.; Fuel Cap. 48 pts; Run. time full tank 2 3/4-3 1/2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Big Twin	25018	\$430.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7 HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/4" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Naval Bronze; Wt. 113 lbs.; Oil 1 Qt; SAE 30 per 5 gal; Fuel Cap. 48 pts; Run. time full tank 1 3/4-2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Big Twin 5" Longer	25019	\$445.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7 HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/4" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Naval Bronze; Wt. 126 lbs.; Oil 1 Qt; SAE 30 per 5 gal; Fuel Cap. 48 pts; Run. time full tank 1 3/4-2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Big Twin Electric Starter	25920	\$525.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7 HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/4" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Naval Bronze; Wt. 129 lbs.; Oil 1 Qt; SAE 30 per 5 gal; Fuel Cap. 48 pts; Run. time full tank 1 3/4-2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Big Twin Electric Starter 5" Longer	25921	\$540.00	
2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7 HP 15 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/4" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Naval Bronze; Wt. 142 lbs.; Oil 1 Qt; SAE 30 per 5 gal; Fuel Cap. 48 pts; Run. time full tank 1 3/4-2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.				
1955	Lightwin	3018	\$146.00	
2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" s/s; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal.; Fuel Cap. 6 pts.; Run. time full tank 1 1/4 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1953	Lightwin	3012	\$145.00	
1953	Lightwin—5" Lgr.	3013	\$145.00	
2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.27 cu. in.; HP 3 @ 4000 to 4500 RPM; Prop dia & pitch 6 1/2" x 5 3/4"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin 1/8" x 13/16"; stainless Steel; Wt. 32 lbs; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 5 1/2 pts; Run time full tank 1 1/2 to 1 3/4 hrs; Centric. Matric cooling; GX 90 Hypoid gear lubr.; Simplex starter.				
1953	Fleetwin	7512	\$210.00	
1953	Fleetwin—5" Lgr.	7513	\$210.00	
2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4 Cu. Inches; HP 7 1/2 @ 4000 to 4500 RPM; Prop dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; **Shear pin 3/16" x 27/32"; HH Brass; Wt 47 lbs; Oil 1/2 pt; SAE 30 per gal. Fuel Cap 8 pts; Run time full tank 1-1/3 hrs to 1 1/2 hrs; Centri-Matic cooling; GX 90 Hypoid gear lubr.; Simplex starter.				
1953	Super Fastwin	15012	\$325.00	
1953	Super Fastwin—5" Lgr.	15013	\$325.00	
2 Cyl; B&S 2-3/8" x 2 3/4"; P. Disp. 19.94; HP 15 @ 4000 to 5000 RPM; Prop dia & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champion J6J. Gap .030; **Shear pin 3/16" x 1-3/16" Naval Brass SAE-73; Wt. 67 lbs; Oil 1/2 pt; SAE 30 per gal. Fuel Cap 48 pts; Run time full tank 2 3/4 to 3 1/4 hrs; Centri-Matic cooling; GX 90 Hypoid; Gear lubr.; Simplex starter.				
1953	Big Twin	25012	\$390.00	
1953	Big Twin—5" Lgr.	25013	\$390.00	
2 Cyl; B&S 2-7/8" x 2 3/4"; P. Disp. 35.7 Cu. Inches; HP 25 @ 4000 to 5000 RPM; Prop dia & pitch 10-3/8" x 12 1/2"; 3 Bl.; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin 1/4" x 1-1/8" Naval Bronze Non-leaded; Wt. 98 lbs; Oil 1/2 pt; SAE 30 per gal. Fuel Cap 48 pts; Run time full tank 1 1/2 to 2 hrs; Centri-Matic cooling; GX 90 Hypoid. gear lubr.; Simplex starter. ** Shear Pins Have Groove Cut in Pin to .198-.208				
1954	Lightwin	3012	\$145.00	
2 Cyl; B&S 1-9/16" x 1 1/4"; P. Disp. 5.27; HP 3 @ 4500 RPM; Prop. dia. & pitch 6 1/4" x 5 5/8"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Auto-Lite A3X Gap .030; Shear Pin 1/8" x 13/16" stainless steel; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Lightwin 5" lgr.	3013	\$152.50	
2 Cyl; B&S 1-9/16" x 1 3/4"; P. Disp. 5.27; HP 3 @ 4500 RPM; Prop. dia. & pitch 6 1/4" x 5 5/8"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/8" x 13/16" stainless steel; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Fleetwin	7514	\$235.00	
2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4500 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1/8" Monel rod; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Fleetwin 5" lgr.	7515	\$242.50	
2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4500 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X Gap .030; Shear Pin 3/16" x 1/8" Monel rod; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Fleetwin	7516	\$235.00	
2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4500 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1/8" Monel rod; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Fleetwin 5" lgr.	7517	\$242.50	
2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4500 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1/8" Monel rod; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Super Fastwin	15012	\$335.00	
2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 19.94; HP 15 @ 4500 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1-3/16" Naval brass; Wt. 67 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 3 1/4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Super Fastwin 5" lgr.	15013	\$345.00	
2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 19.94; HP 15 @ 4500 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1-3/16" Naval brass; Wt. 67 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 3 1/4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Big Twin	25012	\$410.00	
2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/4" x 1 1/8" Naval bronze, non leaded; Wt. 98 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Big Twin 5" lgr.	25013	\$425.00	
2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/4" x 1 1/8" Naval bronze, non leaded; Wt. 98 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.				
1954	Big Twin Electric	25916	\$498.00	
2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/4" x 1 1/8" Naval bronze, non leaded; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex & electric starter.				
1954	Big Twin Elec. 5" lgr.	25917	\$513.00	
2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/4" x 1 1/8" Naval bronze, non leaded; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex & electric starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1949	Speedfour	7031	\$485.00	
		7032—5" Longer	\$500.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 Wedgeless Bl; C. P. Gap .020; S. P. Champion M5-J; S. P. Gap .025; Shear pin 1/4" x 1-1/2"; Mang; Wt. 150 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 29.2 pts; Centrifugal; Cord Starter.				
1949	Big Four	8015	\$645.00	
1 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 Bl; C. P. Gap .020; S. P. Champion R7-64C; S. P. Gap .025; Shear pin 1/4" x 1-1/2"; Mang; Wt. 178 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 29.2 pts; Centrifugal; Cord Starter.				
1950	Sportsman	4425	\$ 75.00	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.1; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; Gap .025; Shear pin 3/16" x 27/32" HH Brass; Wt. 30 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/4 hrs; 2 stage centrifugal; Simplex Starter.				
1950	Sportwin	4423	\$135.00	
		4424—5" Longer	\$142.50	
2 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 6.2; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 4-3/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Shear pin 3/16" x 27/32" HH Brass; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel Cap. 6 1/2 pts; Run. time full tank 1-1/3 hrs; 2 stage centrifugal; Simplex Starter.				
1950	Fleetwin	4434	\$190.00	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.4; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Drive pin .208" x .198" x 27/32" HH Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/3 hrs; Centri-Matic; Simplex Starter.				
1950	Fastwin	4438	\$300.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 14 @ 4000 RPM; Prop. dia. & pitch 8-1/2" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Drive pin .208" x .198" x 1-3/16" Monel; Wt. 65 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel Cap. 48 pts; Run. time full tank 3 to 3-1/2 hrs; Centri-Matic; Simplex Starter.				
1950	Speeditwin	6039	\$395.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Bl; C. P. Gap .020; S. P. Champion M5-J; S. P. Gap .025; Shear pin 1/4" x 1-1/2" HH Brass; Wt. 115 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel Cap. 20 pts; Centrifugal; Cord Starter.				
1950	Speedfour	7031	\$485.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 Bl; C. P. Gap .020; S. P. Champion M5-J; S. P. Gap .025; Shear pin 1/4" x 1-1/2" mang.; Wt. 150 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 26 pts; Centrifugal; Cord Starter.				
1950	Big Four	8015	\$645.00	
4 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 59.4; HP 50 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 Bl; C. P. Gap .020; S. P. Champion R7-64C; S. P. Gap .025; Shear pin 1/4" x 1-1/2" mang.; Wt. 178 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel Cap. 29.2 pts; Centrifugal; Cord Starter.				
1951	Sportsman	4425	\$ 85.00	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.1; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; Gap .030; Shear pin 3/16" x 27/32" HH brass; Wt. 30 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-3/4 hrs; 2 stage centrifugal; Simplex starter; Gear lub. Mobiloil.				
1951	Sportwin	4423	\$150.00	
2 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 6.2; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 4-3/4"; 2 Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; Gap .030; Shear pin 3/16" x 27/32" HH brass; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1-3/4 hrs; 2 stage centrifugal; Simplex starter; Gear lub. Mobiloil.				
1951	Fleetwin	4443	\$210.00	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.4; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Drive pin .208" x .198" x 27/32" HH Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/3 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.				
1951	Fastwin	4441	\$315.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 14 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Drive pin .208" x .198" x 1-3/16" Monel; Wt. 65 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 48 pts; Run. time full tank 3 to 3-1/2 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.				
1951	Big Twin	2001	\$390.00	
2 Cyl; B&S 2-7/8" x 2-3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin 1/4" x 1-1/8"—No. 73 Non-leaded Naval Brass; Wt. 95 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 48 pts; Run. time full tank 2-1/4 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.				
1952	Big Twin	2003	\$394.50	
		2004-5" longer	\$414.50	
2 Cyl; B&S 2-7/8" x 2-3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin 1/4" x 1-1/8"—No. 73 Non-leaded Naval Brass; Wt. 98 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 48 pts.; Run. time full tank 2-1/4 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.				
1952	Lightwin	3012	\$145.00	
		3013-5" longer	\$152.50	
2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2 x 5-3/4"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 13/16" Stainless Steel; Wt. 30 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 5-1/2 pts; Run. time full tank 1 to 1-1/2 hrs; Centri-Matic pump; Simplex starter; Gear Lub. Mobilube GX-90.				
1952	Fleetwin	4447	\$210.00	
		4448-5" longer	\$225.00	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.4; HP 7.5 @ 4000 RPM; prop dia. & pitch 8" x 8"; 2 Bl C. P. Gap .020; S. P. Champion J6J; Gap .030; Drive pin .208" x .198" x 27/32" HH Brass; Wt. 47 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/3 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.				
1952	Fastwin	4441	\$315.00	
		4442-5" longer	\$330.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 14 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Drive pin .208" x .198" x 1-3/16" HH Brass; Wt. 66 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 48 pts; Run. time full tank 3 to 3-1/2 hrs; Centri-Matic pump; Simplex starter; Gear Lub. Mobilube GX-90.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1946-47	Ranger	4407	\$ 74.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 22 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Simplex Starter.				
1947	Sportsman	4414	\$ 86.50	
4415—5" longer \$ 91.50				
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 27/32", Alum. Rod; Wt. 33 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-3/4 hrs. to 2 hrs; Water Cooled; Cord Starter.				
1947	Sportsman	4416	\$ 94.50	
4417—5" longer \$ 99.50				
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 27/32", Alum. Rod; Wt. 33 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Simplex Starter.				
1947	Sportwin	4418	\$122.50	
4419—5" longer \$127.50				
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 27/32", Alum. Rod; Wt. 45 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Cord Starter.				
1947	Sportwin	4421	\$122.50	
4422—5" longer \$127.50				
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 27/32", Alum. Rod; Wt. 45 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter.				
1948	Sportsman	4425	\$ 99.50	
1 Cyl; B&S 1-5/18" x 1-1/2"; P. Disp. 3.1; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Bl; C. P. Gap .020; S. P. Champion H10-ComJ, Gap .025; Shear Pin 3/16" x 27/32", HH Brass; Wt. 30 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-3/4 to 2 hrs; Two Stage Centrifugal; Simplex Starter.				
1948	Sportwin	4423	\$139.50	
2 Cyl; B&S 1-5/18" x 1-1/2"; P. Disp. 6.22; HP 3.3 @ 3500 RPM; Prop. dia. & pitch 6-7/8" x 4-3/4"; 2 Bl; C. P. Gap .020; S. P. Champion H10-ComJ, Gap .025; Shear Pin 3/16" x 27/32", HH Brass; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1-3/4 to 2-1/2 hrs; Two Stage Centrifugal; Simplex Starter.				
1948	Zephyr	4404	\$177.50	
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H10-ComJ, Gap .025; Shear Pin 3/16" x 15/16", HH Brass; Wt. 49 lbs; Oil .5 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 to 1-1/4 hrs; Two Stage Centrifugal; Simplex Starter.				
1948	Lightfour	4389	\$260.00	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15.0; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Bl; C. P. Gap .020; S. P. Champion M5J, Gap .025; Shear Pin 3/16" x 1-1/8", HH Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 1-1/4 gal; Run. time full tank 3/4 to 1-1/4 hrs; Two Stage Centrifugal; Simplex Starter.				
1948	Speeditwin	6039	\$350.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30.00; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Bl; C. P. Gap .020; S. P. Champion M5J, Gap .025; Shear Pin 1/4" x 1-1/2", HH Brass; Wt. 116 lbs; Oil 1.5 pt. SAE-40 per gal; Fuel cap. 2-1/2 gal; Centrifugal; Cord Starter.				
1948	Speedfour	7031	\$435.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50.0; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 13"; 3 Bl; C. P. Gap .020; S. P. Champion M5J, Gap .025; Shear Pin 1/4" x 1-1/2", HH Brass; Wt. 150 lbs; Oil 1.5 pt. SAE-40 per gal; Fuel cap. 3.65 gal; Centrifugal; Cord Starter.				
1949	Sportsman	4425	\$ 98.50	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.1; HP 1-1/2 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 5-1/2", 2 Weedless Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; S. P. Gap .025; Shear pin 3/16" x 27/32", H.H. Brass; Wt. 30 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-3/4 to 2 hrs; 2 stage centrifugal; Simplex Starter.				
1949	Sportwin	4423	\$149.50	
4424—5" Longer \$157.00				
2 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 6.2; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 4-3/4", 2 Weedless Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; S. P. Gap .025; Shear pin 3/16" x 27/32" H.H. Brass; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run time full tank 1-3/4 to 2-1/4 hrs; 2 stage centrifugal; Simplex Starter.				
1949	Zephyr	4404	\$182.50	
4405—5" Longer \$193.75				
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; S. P. Gap .025; Shear pin 3/16" x 27/32" H.H. Brass; Wt. 49 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 to 1-1/4 hrs; Centrifugal; Simplex Starter.				
1949	Zephyr	4429	\$187.50	
4431—5" Longer \$198.75				
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; S. P. Gap .025; Shear pin 3/16" x 27/32" H. H. Brass; Wt. 51 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 to 1-1/4 hrs; Centrifugal; Simplex Starter.				
1949	Lightfour	4389	\$265.00	
4391—5" Longer \$276.25				
4392—15" Longer \$295.00				
4393—H.D. \$295.00				
4394—H.D. 5" Longer \$306.25				
4395—H.D. 15" Longer \$325.00				
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless Bl; C. P. Gap .020; S. P. Champion M5-J; S. P. Gap .025; Shear pin 1/4" x 1-1/8" H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 to 1-1/4 hrs; 2 stage centrifugal; Simplex Starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1942	Lightfour	4373 H. D.	\$217.50	
		4374—15" longer	\$265.00	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless Blades; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 63 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1943	Lightfour	4375—15" longer	\$255.00	
		4376—15" longer	\$255.00	
		4377—15" longer	\$255.00	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless Blades; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 63 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1945	Zephyr	4378	\$158.75	
		4379—5" longer	\$166.25	
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion J10 Com. J, Gap .025; Shear Pin 3/16" x 15/16"; H. H. Brass; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-3/4 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1945	Zephyr	4381	\$167.75	
		4382—5" longer	\$174.20	
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion J10 Com. J, Gap .025; Shear Pin 3/16" x 15/16"; H. H. Brass; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-3/4 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1945	Lightfour	4398—5" longer H. D.	\$297.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1945-47	Lightfour	4383	\$225.50	
		4384—5" longer	\$232.50	
		4385—15" longer	\$245.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1945-47	Lightfour	4386	\$255.50	
		4387—5" longer H. D.	\$262.50	
1945-47	Lightfour	4388—15" longer H. D.	\$275.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1945-47	Lightfour	4389	\$260.00	
		4391—5" longer	\$267.50	
		4392—15" longer	\$280.00	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1945-47	Lightfour	4393	\$290.00	
		4394—5" longer H. D.	\$297.50	
		4395—15" longer H. D.	\$310.00	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1946	Sportsman	4409	\$ 82.75	
		4411—5" longer	\$ 86.75	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16"; 118-23 Alum; Wt. 28 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Cord Starter.				
1946	Sportsman	4412	\$ 90.75	
		4413—5" longer	\$ 95.75	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16"; 118-23 Alum; Wt. 28 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Simplex Starter.				
1946	Big Four	8014	\$575.00	
4 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 60; HP 50 @ 5000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 L. H. B1; C. P. Gap .020; S. P. Champion R7-61C, Gap .025; Shear Pin 1/2" x 1-1/2"; Mang. Screw Stock; Wt. 188 lbs; Oil 1-1/2 pts SAE-40 per gal; Fuel cap. 29.2 pts; Water Cooled Cord Starter.				
1946-47	Zephyr	4402	\$169.50	
		4403—5" longer	\$178.00	
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.7 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion J-10-Com. J, Gap .025; Shear Pin 3/16" x 15/16"; H. H. Brass; Wt. 52 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1946-47	Zephyr	4404	\$177.50	
		4405—5" longer	\$185.00	
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.7 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion J-10-Com. J, Gap .025; Shear Pin 3/16" x 15/16"; H. H. Brass; Wt. 52 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1946-47	Ranger	4406	\$ 74.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5"; 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4"; No. 3 Sh. Alum. Rod; Wt. 18 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Cord Starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1939-47	Speeditwin	6041	\$341.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 110 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.				
1939-47	Speedifour	7031	\$335.00	
1939-47	Speedifour	7032—5" longer	\$345.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 13", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.				
1939-47	Speedifour	7033	\$385.00	
1939-47	Speedifour	7034—5" longer	\$395.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 13", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Electric Starter.				
1940	Sportsman	4348	\$ 66.50	
		4349—5" longer	\$ 71.50	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 118-23 Alum; Wt. 23-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Simplex Starter.				
1940	Sportwin	4353	\$ 82.50	
		4354—5" longer	\$ 87.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum; Wt. 33-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Cord Starter.				
1940	Sportwin	4355	\$ 89.50	
		4356—5" longer	\$ 94.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum; Wt. 33-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter.				
1940-41	Weedless Lightwin	4341	\$125.00	
2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 15; HP 5 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 2 semi Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 66 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 9 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Cord Starter.				
1940-42	Zephyr	4359	\$122.50	
		4361—5" longer	\$130.00	
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2", 2 Weedless B1; C. P. Gap .020; S. P. Champion J-10 Com. J, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-3/4 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1940-42	Zephyr	4362	\$129.50	
		4363—5" longer	\$137.00	
4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2", 2 Weedless B1; C. P. Gap .020; S. P. Champion J-10 Com. J, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-3/4 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1940-42	Sportfour	9035	\$245.00	
		9036—5" longer	\$255.00	
4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 17.6 @ 4000 RPM; Prop. dia. & pitch 9-3/4" x 10-1/4", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 104 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Cord Starter.				
1940-42	Sportfour	9037	\$255.00	
		9038—5" longer	\$265.00	
4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 17.6 @ 4000 RPM; Prop. dia. & pitch 9-3/4" x 10-1/4", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 104 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Simplex Starter.				
1941	Speeditwin Racing	6043	\$395.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 30.6 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/2" x 1-1/2", Mang. Screw Stock; Wt. 110 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.				
1941-42	Sportsman	4364	\$ 62.50	
		4365—5" longer	\$ 67.50	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 118-23 Alum; Wt. 26 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Cord Starter.				
1941-42	Sportsman	4366	\$ 69.50	
		4367—5" longer	\$ 74.50	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 118-23 Alum; Wt. 26 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Simplex Starter.				
1941-42	Sportwin	4368	\$ 85.50	
		4369—5" longer	\$ 90.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts. Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Cord Starter.				
1941-42	Sportwin	4371	\$ 92.50	
		4372—5" longer	\$ 97.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1939	Sportwin	4305 4306—5" longer	\$ 89.50 \$ 94.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum.; Wt. 35 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter.				
1939	Fisherman	4309 4311—5" longer	\$115.00 \$122.50	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5.4 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H.H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1939	Weedless Fisherman	4312	\$135.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5.4 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H.H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1939	Lightfour	4316—5" longer	\$184.50	
1939	Lightfour	4317—15" longer	\$197.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H.H. Brass; Wt. 60 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1939	Lightfour	4318—5" longer—H. D.	\$207.50	
1939	Lightfour	4319—5" longer—H. D.	\$214.50	
1939	Lightfour	4321—15" longer—H. D.	\$227.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H.H. Brass; Wt. 60 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1939	Lightfour	4322	\$187.50	
		4323—5" longer	\$194.50	
		4324—15" longer	\$207.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H.H. Brass; Wt. 60 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1939	Lightfour	4325—5" longer—H. D.	\$217.50	
1939	Lightfour	4326—5" longer—H. D.	\$224.50	
1939	Lightfour	4327—15" longer—H. D.	\$237.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H.H. Brass; Wt. 60 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1939	Sportfour	9031	\$245.00	
1939	Sportfour	9032—5" longer	\$255.00	
4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 9-3/4" x 9-3/4", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H.H. Brass; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Cord Starter.				
1939	Sportfour	9033	\$295.00	
1939	Sportfour	9034—5" longer	\$305.00	
4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 9-3/4" x 9-3/4", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H.H. Brass; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Electric Starter.				
1939-40	Speeditwin Racing	6042	\$395.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 30.6 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/2" x 1-1/2", Mang. Screw Stock; Wt. 110 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.				
1939-41	4-60		\$495.00	
4 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 50; HP @ 5500 RPM; Prop. dia. & pitch 10-1/2" x 18", 2 L. H. Blades; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/2" x 1-1/2", Mang. Screw Stock; Wt. 134 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.				
1939-41	Midget Racing	4328	\$135.00	
2 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 7.42; HP high speed @ 5000 RPM; Prop. dia. & pitch 6-3/4" x 8-1/2", 2 L. H. B1; C. P. Gap .020; S. P. Champion R-2S, Gap .025; Shear Pin 3/16" x 15/16", H.H. Brass; Wt. 35 lbs; Oil 1-1/2 pts. SAE-60 per gal; Fuel cap. 4 pts; Water Cooled; Cord Starter.				
1939-42	Mate	4263	\$29.94 \$ 34.50	
1 Cyl; B&S 1-1/8" x 1"; P. Disp. 1; HP .5 @ 4000 RPM; Prop. dia. & pitch 5-1/2" x 4-3/4", 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 1/8" x 11/16", No. 3 Sh. Alum. Rod; Wt. 10 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1 pt; Run. time full tank 1 hr. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1939-42	Lightfour	4315	\$177.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 60 lbs. Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1939-42	Ranger	4334	\$ 54.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", Sh. Alum. Rod; Wt. 16 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Simplex Starter.				
1939-47	Speeditwin	6039	\$310.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 110 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1937	Fisherman	4227 4228—5" longer	\$115.00 \$122.50	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.4 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1937	Lightfour	4231 4232—5" longer 4233—15" longer 4234—5" longer—H. D. 4235—5" longer—H. D. 4236—15" longer—H. D.	\$175.00 \$182.50 \$195.00 \$205.00 \$212.50 \$225.00	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1937	Lightfour	4237 4238—5" longer 4239—15" longer	\$185.00 \$192.50 \$205.00	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9". 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1937	Lightfour	4241—5" longer—H. D. 4242—5" longer—H. D. 4243—15" longer—H. D.	\$215.00 \$222.50 \$235.00	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9". 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1937	Midget Racing	4244	\$125.00	
2 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 7.42; HP high speed @ 5000 RPM; Prop. dia. & pitch 6-3/4" x 8-1/2", L. H. B1; C. P. Gap .020; S. P. Champion R-2S, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 35 lbs; Oil 1-1/2 pts. SAE-60 per gal; Fuel cap. 4 pts; Water Cooled; Cord Starter.				
1937	Weedless Fisherman	4251	\$130.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.4 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1937	Speeditwin Racing	6033	\$395.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 30.6 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 93 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.				
1937	Speedifour	7022 7023—5" longer	\$335.00 \$345.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 13", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.				
1937	4-60	8004	\$495.00	
4 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 50; HP @ 5500 RPM; Prop. dia. & pitch 10-1/2" x 18", 2 L. H. B1; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/2" x 1-1/2", Mang. Screw Stock; Wt. 134 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.				
1937	Speedifour	7024-7025—5" longer		
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 14", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Electric Starter.				
1937	Sportfour	9022	\$295.00	
4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 90 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Cord Starter.				
1937	Sportfour	9023—5" longer	\$305.00	
1937	Sportfour	9024	\$295.00	
1937	Sportfour	9025—5" longer	\$305.00	
4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 90 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Electric Starter.				
1938	Ranger	4252	\$ 47.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 16 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Cord Starter.				
1938	Sportwin	4258 4259—5" longer	\$ 92.50 \$ 97.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion J1-15, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 35 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter.				
1938	Fisherman	4267 4268—5" longer	\$115.00 \$122.50	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1938	Fisherman	4269—Weedless	\$135.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				

EVINRUDE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1936	Fisherman	4152	\$120.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.4 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 46 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. and 15 min.; Water Cooled; Cord Starter.				
1936	Lightwin	4153	\$115.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 42 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. and 15 min.; Water Cooled; Cord Starter.				
1936	Sportwin	4156	\$ 77.00	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 2.5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J1-15; Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 32 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. to 1 hr. and 15 min.; Water Cooled; Cord Starter.				
1936	Handitwin	4158	\$65.00	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 2.5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 5/16" x 15/16", H. H. Brass; Wt. 29-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr.; Water Cooled; Cord Starter.				
1936	Service Twin	4161	\$ 95.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 5/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr.; Water Cooled; Cord Starter.				
1936	Lightwin	4165	\$145.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 Bl; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 49-1/2 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr.; Water Cooled; Cord Starter.				
1936	Lightwin	4168	\$160.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 Bl; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr.; Water Cooled; Simplex Starter.				
1936	Imperial	4178	\$167.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.				
1936	Imperial	4181	\$182.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Simplex Starter.				
1936	Speeditwin	6018	\$245.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.				
1936	Speeditwin	6021	\$295.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Electric Starter.				
1936	Speediquad	7015	\$325.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.				
1936	Speediquad	7017	\$375.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Electric Starter.				
1936	Reversing Service Twin		\$100.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 5/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr.; Water Cooled; Cord Starter.				
1937	Sportwin	4209	\$ 82.50	
4211—5" longer				
\$ 87.50				
2 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 6.6; HP 2.5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Semi-Weedless Bl; C. P. Gap .020; S. P. Champion J1-15, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 35 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min.; Water Cooled; Cord Starter.				
1937	Lightwin	4221	\$125.00	
4222—5" longer				
\$132.50				
4223—15" longer				
\$145.00				
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 13/16" x 15/16", H. H. Brass; Wt. 44 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min.; Water Cooled; Cord Starter.				
1937	Lightwin	4224—H. D.	\$155.00	
4225—5" longer—H. D.				
\$162.50				
4226—15" longer—H. D.				
\$175.00				
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 41 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min.; Water Cooled; Cord Starter.				

EVINRUDE
Evinrude Motors
 5720 N. 27th St., Milwaukee 9, Wis.

Year	Model	Serial No.	FOB	Cash Value
1935	Sportsman	4091	\$ 55.00	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3.75; HP 1.5 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J-1-15, Gap .025; Shear Pin 3/16" x 15/16", No. 3 St. Alum. Rod; Wt. 24-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3 pts; Run. time full tank 1 hr. to 1 hr. 15 min.; Water Cooled; Cord Starter.				
1935	Fisherman	4093	\$ 95.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4 @ 3250 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.				
1935	Lightwin	4097	\$115.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.6 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8" Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 44 lbs; Oil 1/3 pt. SAE-40; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.				
1935	Lightwin	4102	\$145.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 Bl; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 49-1/2 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr.; Water Cooled; Cord Starter.				
1935	Lightwin	4104	\$160.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 Bl; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr.; Water Cooled; Simplex Starter.				
1935	Imperial	4111	\$167.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.				
1935	Imperial	4113	\$182.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Simplex Starter.				
1935	Weedless Fisherman	4121	\$105.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4 @ 3250 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.				
1935	Reversing Fisherman	4122	\$100.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4 @ 3250 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.				
1935	Speeditwin	6011	\$245.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.				
1935	Speeditwin	6013	\$295.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Electric Starter.				
1935	Speediquad	7008	\$325.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.				
1935	Speediquad	7011	\$375.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Electric Starter.				
1935-36	Sportfour Imperial		\$235.00	
4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/16", H. H. Brass; Wt. 120 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr; Water Cooled; Cord Starter.				
1935-36	Sportfour Imperial		\$285.00	
4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/16", H. H. Brass; Wt. 120 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr; Water Cooled; Electric Starter.				
1936	Ace	4145	\$ 45.00	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3.75; HP 1.4 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 5/16" x 15/16", H. H. Brass; Wt. 22-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min.; Water Cooled; Cord Starter.				
1936	Sportsman	4145	\$ 55.00	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3.75; HP 1.5 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J-1-15, Gap .025; Shear Pin 3/16" x 15/16", No. 3 St. Alum. Rod; Wt. 24-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3 pts; Run. time full tank 1 hr. to 1 hr. and 15 min.; Water Cooled; Cord Starter.				
1936	Fisherman	4148	\$110.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.4 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 46 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. and 15 min.; Water Cooled; Cord Starter.				

ELTO (Continued)

Year	Model	Serial No.	FOB	Cash Value
1937	Speeditwin 6029		\$310.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min.; Water Cooled; Cord Starter.				
1938	Pal 4253		\$ 37.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5"; 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 14 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1-3/4 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1938	Ace 4256		\$ 47.50	
1938	Ace 4257—5" longer		\$ 52.50	
1 Cyl; B&S 1-1/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.8 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", No. 3 Sh. Alum. Rod; Wt. 23 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter.				
1938	Handitwin 4261		\$ 67.50	
1938	Handitwin 4262—5" longer		\$ 72.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 2.8 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 29-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1938	Speeditwin 6034		\$260.00	
1938	Speeditwin 6035—5" longer		\$270.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/2", Mang. Metal; Wt. 105 lbs; Oil 1-1/2 pts SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Cord Starter.				
1938	Speeditwin 6036		\$310.00	
1938	Speeditwin 6037—5" longer		\$320.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/2" Mang. Metal; Wt. 105 lbs; Oil 1-1/2 pts; SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Electric Starter.				
1939	Ace 4301		\$ 47.50	
1939	Ace 4302—5" longer		\$ 52.50	
1 Cyl; B&S 1-1/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.8 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", No. 3 Sh. Alum. Rod; Wt. 23 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter.				
1939	Handitwin 4307		\$ 67.50	
1939	Handitwin 4308—5" longer		\$ 72.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 2500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 32 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts. Run time full tank 45 min. to 1 hr. 15 min. Water Cooled; Cord Starter.				
1939	Ace 4329		\$ 47.50	
1939	Ace 4331—5" longer		\$ 52.50	
1 Cyl; B&S 1-1/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.8 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", Sh. Alum. Rod; Wt. 23 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter.				
1939-41	Cub 4264		\$ 29.50	
1 Cyl; B&S 1-1/8" x 1"; P. Disp. 1; HP .5 @ 4000 RPM; Prop. dia. & pitch 5-1/2" x 4-3/4", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion J-4, Gap .025; Shear Pin 1/8" x 11/16", No. 3 Sh. Alum. Rod; Wt. 8-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1 pt; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1939-41	Pal 4266		\$ 37.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 14 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1-3/4 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1939-41	Fleetwin 4335		\$167.50	
1939-41	Fleetwin 4336—5" longer		\$175.00	
2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 15; HP 8.5 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 66 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 9 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Cord Starter.				
1939-41	Lightwin 4337		\$ 97.50	
1939-41	Lightwin 4338—5" longer		\$135.00	
1939-41	Lightwin 4339—15" longer		\$147.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 40 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1940-41	Ace 4351		\$ 47.50	
1940-41	Ace 4352—5" longer		\$ 52.50	
1 Cyl; B&S 1-1/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.8 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", No. 3 Sh. Alum. Rod; Wt. 21 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter.				
1940-41	Handitwin 4357		\$ 67.50	
1940-41	Handitwin 4358—5" longer		\$ 72.50	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 2500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 32 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1949	Sportster 4432		\$149.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Shear Pin 3/16" x 15/16", Alum.; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 to 1-1/4 hrs; 2 stage centrifugal; Simplex Starter.				
1949	Speedster 5101		\$245.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4" x 8-3/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Shear pin 13/64" x 1-3/16"; Wt. 65 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 12 pts; Run. time full tank 1 to 1-1/4 hrs; 2 stage centrifugal; Simplex Starter.				

ELTO
Evinrude Motors
5720 N. 27th St., Milwaukee 9, Wis.

Year	Model	Serial No.	FOB	Cash Value
1935	Fisherman 4092		\$ 95.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4 @ 3250 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 B1; C. P. Gap .020; S. P. Champion M-6 Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1935	Lightwin 4099		\$115.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.6 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/15" x 1-1/8", H. H. Brass; Wt. 40 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1935	Lightwin 4106		\$145.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 B1; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 49-1/2 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr; Water Cooled; Cord Starter.				
1935	Lightwin 4108		\$160.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 B1; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 49-1/2 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr; Water Cooled; Simplex Starter.				
1935	Imperial 4115		\$167.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 B1; C. P. Gap .020; S. P. Champion M-5J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1935	Imperial 4117		\$182.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 B1; C. P. Gap .020; S. P. Champion M-5J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.				
1935	Speeditwin 6015		\$245.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 B1; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.				
1935	Speediquad 7013		\$325.00	
4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pts SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.				
1937	Pal 4203		\$ 37.50	
1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP .9 @ 3500 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 14 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1-3/4 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.				
1937	Ace 4205		\$ 45.00	
1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.4 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", No. 3 Sh. Alum. Rod; Wt. 22-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter.				
1937	Handitwin 4212		\$ 65.50	
1937	Handitwin 4213—5" longer		\$ 70.00	
2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 2.5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 29-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter				
1937	Service Twin 4214		\$ 97.50	
1937	Service Twin 4215—5" longer		\$105.00	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Cord Starter.				
1937	Service Twin 4216		\$ 95.00	
1937	Service Twin 4217—5" longer		\$102.50	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Cord Starter.				
1937	Service Twin 4218		\$102.50	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Cord Starter.				
1937	Handifour 4219		\$157.50	
4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.				
1937	Service Twin 4229		\$112.50	
2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Cord Starter.				
1937	Speeditwin 6026		\$250.00	
1937	Speeditwin 6027—5" longer		\$260.00	
2 Cyl. B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts; SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Cord Starter.				
1937	Speeditwin 6028		\$300.00	
2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min.; Water Cooled; Cord Starter.				

ELGIN—(Continued)

Year	Model	Serial No.	FOB	Cash Value
1955-56	571.5890		\$279.95	
2 Cyl; B&S 2 $\frac{3}{8}$ " x 2"; P. Disp. 17.72; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 8 $\frac{1}{2}$ " x 8"; 3 Bl; C. P. Gap .020; S. P. Champ. H8J Gap .035; Shear Pin 3/16" x 1-1/32" stain.; Wt. 60 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1955-56	571.5940		\$379.95	
2 Cyl; B&S 3" x 2-2/3"; P. Disp. 37.71; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 11 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. Champ. H8J Gap .035; Shear Pin $\frac{1}{4}$ " x 1-1/16" stain.; Wt. 114 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 1 $\frac{1}{4}$ hrs; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1955	571.58711		\$129.95	
2 Cyl; B&S 2 $\frac{1}{8}$ " x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 7 $\frac{1}{4}$ " x 8"; Bl; C. P. Gap .020; S. P. Champ J11J Gap .050; Shear Pin 5/32" x 1" Naval Brass; Wt. 47 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1956	571.5950		\$184.95	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 7 $\frac{1}{4}$ " x 7"; 2 Bl; C. P. Gap .020; S. P. H10J Gap .035; Shear Pin 5/32" x 31/32" s/s Wt. 57 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal.; Fuel Cap. 36 pts.; Run. time full tank 5 hr.; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1956	571.5970		\$199.95	
2 Cyl; B&S 2 $\frac{1}{8}$ " x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. H8J Gap .035; Shear Pin 5/32" x 31/32" s/s; Wt. 57 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 36 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1956	571.5960		\$449.95	
2 Cyl; B&S 3" x 2-2/3"; P. Disp. 37.71; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 11 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. H8J Gap .035; Shear Pin $\frac{1}{4}$ " x 1-1/16" s/s; Wt. 118 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 $\frac{1}{4}$ hr.; Water cooled; Gear lub. Elgin Waterproof; Electric starter.				

ELGIN—(Continued)

Year	Model	Serial No.	FOB*	Cash Value
1953	571.58202	202-1 up	\$88.00	
1 Cyl; B&S 1¾" x 1-9/16"; P. Disp. 3.76; HP 2.0 @ 4000 RPM; Prop dia. & pitch 6-½" x 4"; 2 BL; C. P. Gap .020; S. P. Champ J12J; Gap .050; Shear pin 5/32" x 1¼", brass; Wt. 27 lbs; Oil ½ pt. SAE-30 per gal; Fuel cap 5 pts; Run. time full tank 2 hrs; Gear Lub. Elgin; Air cooled; Rope rewind starter.				
1953	571.58562	562-1 up	\$143.00	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5.0 @ 4000 RPM; Prop dia. & pitch 7½" x 7"; 2 BL; C. P. Gap .020; S. P. Champ J12J; Gap .050; Shear pin 5/32" x 1-1/16", steel; Wt. 48½ lbs; Oil ½ pt. SAE-30-40 per gal; Fuel cap 8 pts; Run. time full tank 1 hr; Gear Lub. Elgin; Water cooled; Automatic Rewind Starter.				
1953	571.58761	761-1 up	\$165.00	
2 Cyl; B&S 2-1/8" x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop dia. & pitch 7½" x 8"; 2 BL; C. P. Gap .020; S. P. Champ J11J; Gap .050; Shear pin 5/32" x 1-1/16", steel; Wt. 50½ lbs; Oil ½ pt. SAE-30-40 per gal; Fuel cap 11 pts; Run. time full tank 1 hr; Gear Lub. Elgin; water cooled, Automatic rewind starter.				
1953	571.58823	823-1 up	\$310.00	
1953	571.58824	824-1 up	\$310.00	
2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.0; HP 16.0 @ 4000 RPM; Prop dia. & pitch 9" x 11"; 2 BL; C. P. Gap .020; S. P. Champ J12J; Gap .050; Shear pin 7/32" x 1-1/8", bronze; Wt. 92 lbs; Oil ½ pt. SAE-30-40 per gal; Fuel Cap 5.7 gals; Run time full tank 2-1/3 hrs; Gear lub. Elgin; water cooled; Automatic rewind starter.				
1953	571.58844	844-1 up	\$320.00	
2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.0; HP 16.0 @ 4000 RPM; Prop dia. & pitch 9" x 11"; 2 BL; C. P. Gap .020; S. P. Champ J12J; Gap .050; Shear pin 7/32" x 1-1/8", bronze; Wt. 95 lbs; Oil ½ pt. SAE-30-40 per gal; Fuel Cap 5.7 gals; Run. time full tank 2-1/3 hrs; Gear lub. Elgin; water cooled; Automatic rewind starter.				
1954	571.58211		\$ 92.50	
1 Cyl; B&S 1¾" x 1-9/16"; P. Disp. 3.76; HP 2 @ 4000 RPM; Prop. dia. & pitch 6.5 x 4.0; 2 Bl; C. P. Cap .020; S. P. Champ. J11J; Shear Pin 5/32" x 1-3/16" naval bronze; Wt. 28¾ lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 5 pts; Run. time full tank 2 hrs; Air cooled; Gear lub. Elgin waterproof; Auto. rewind starter.				
1954	571.58571		\$154.50	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5 @ 4000 RPM; Prop. dia. & pitch 7.5 x 6.75; 2 Bl; C. P. Cap .020; S. P. Champ. J12J; Shear Pin 5/32" x 1" stainless steel; Wt. 51 lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 8.3 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Auto. rewind starter.				
1954	571.58651			
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000 RPM; Prop. dia. & pitch 7.5" x 7.5"; 2 Bl; C. P. Gap .020; S. P. Champ. J12J; Shear Pin 5/32" x 1-3/16" naval bronze; Wt. 41½ lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 10.5 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Rope starter.				
1954	571.58652			
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000 RPM; Prop. dia. & pitch 7.5" x 7.5"; 2 Bl; C. P. Gap .020; S. P. Champ. J12J; Shear Pin 5/32" x 1-5/16" naval bronze; Wt. 41½ lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 10.5 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Rope starter.				
1954	571.58771		\$184.50	
2 Cyl; B&S 2¼" x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 7.5" x 8"; 2 Bl; C. P. Gap .020; S. P. Champ. J11J; Shear Pin 5/32" x 1", stainless steel; Wt. 52 lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Auto. rewind starter.				
1954	571.58772			
2 Cyl; B&S 2¼" x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 7.5" x 8"; 2 Bl; C. P. Gap .020; S. P. Champ. J11J; Shear Pin 5/32" x 1", stainless steel; Wt. 52 lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Auto. rewind starter.				
1954	571.58851		\$249.50	
2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.0; HP 16 @ 4000 RPM; Prop. dia. & pitch 9.0" x 11.0"; 2 Bl; C. P. Gap .020; S. P. Champ. J12J; Shear Pin 7/32" x 1-1/32", naval bronze; Wt. 90 lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 46 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Elgin waterproof; Auto. rewind starter.				
1955	571.58901		\$254.95	
2 Cyl; B&S 2¾" x 2"; P. Disp. 17.72; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 8½" x 8"; 3 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 3/16" x 1-1/32" stain.; Wt. 59 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1955	571.59401		\$364.95	
2 Cyl; B&S 3" x 2-2/3"; P. Disp. 37.71; HP 25 @ 4000 RPM; Prop. dia. & pitch 10¾" x 11½"; 3 Bl; C. P. Gap .020; S. P. Champ. H9J Gap .035; Shear Pin ¼" x 1-1/16" stain.; Wt. 110 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 1¾ hrs; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1955	571.58711		\$129.95	
Cyl; B&S 2½" x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 7½" x 8"; Bl; C. P. Gap .020; S. P. Champ J11J Gap .050; Shear Pin 5/32" x 1" Naval Brass; Wt. 47 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				

ELGIN—(Continued)

Year	Model	Serial No.	FOB*	Cash Value
1950	571-58301	301-1 up	\$ 55.00*	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1-1/4 @ 4000; Prop. dia. & pitch 6-1/2" x 5", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .040; Shear Pin 5/32" x 1/8" Alum; Wt. 19-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 3-1/2 hrs; Air Cooled; Rope Starter.				
1950	571-58401	401-1 up	\$ 75.00*	
1 Cyl; B&S 2" x 1-9/16"; P. Disp. 4.9; HP 2-1/2 @ 4000; Prop. dia. & pitch 7-1/2" x 4-1/2", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1-3/16" bronze; Wt. 29-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.				
1950	571-58531	531-1 up	\$ 94.50*	
2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 5 @ 4000; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1-3/16" bronze; Wt. 37 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1950	571-58551	551-1 up	\$119.50*	
2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 5 @ 4000; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1" Steel, slip clutch; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rewind Starter.				
* Chicago Mail Order Price				
1950	571-58741	741-1 up	\$140.00*	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 7-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1" Steel, slip clutch; Wt. 49 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 11 pts; Run. time full tank 1 hr; Water Cooled; Rewind Starter.				
1950	571-58821	821-1 up	\$277.00*	
2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24; HP 16 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 10", 3 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 7/32" x 1-1/32" Bronze, cushion drive; Wt. 90 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 46 pts; Run. time full tank 2 hrs. 20 min; Water Cooled; Rewind Starter.				
1951	571-58301		\$64.50	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1-1/4 @ 4000; Prop. dia. & pitch 6-1/2" x 5", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .040; Shear pin 5/32" x 7/8" alum; Wt. 19-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 3-1/2 hrs; Air cooled; Rope starter.				
1951	571-58401		\$87.50	
1 Cyl; B&S 2" x 1-9/16"; P. Disp. 4.9; HP 2-1/2 @ 4000; Prop. dia. & pitch 7-1/2" x 4-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1-3/16" bronze; Wt. 29-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 2-1/2 hrs; Water cooled; Rope starter.				
1951	571-58561	561-1 up	\$138.00	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5 @ 4000; Prop. dia. & pitch 7-1/2" x 6-3/4", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1" steel; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Rewind rope starter.				
1951	571-58641	641-1 up	\$110.00	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000; Prop. dia. & pitch 7-1/2" x 6-3/4", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1-3/16" steel; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Rope starter.				
1951	571-58751	751-1 up	\$159.50	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 7-1/2 @ 4000; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 3/32" x 1" steel; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 11 pts; Run. time full tank 1 hr; Water cooled; Rewind rope starter.				
1951	571-58821		\$299.00	
2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.0; HP 16 @ 4000; Prop. dia. & pitch 9-1/2" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 7/32" x 1-1/32" brass; Wt. 192 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 gals.; Run. time full tank 2-1/3 hrs; Water cooled; Rope rewind starter.				
1951	571-58841		\$310.00	
2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.00; HP 16 @ 4000; Prop. dia. & pitch 9-1/2" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 7/32" x 1-1/32" brass; Wt. 195 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 gals.; Run. time full tank 2-1/3 hrs; Water cooled; Rope rewind starter. (6" longer drive shaft.)				
1952	571-58201		\$ 88.00	
1 Cyl; B&S 1-3/4" x 19/16"; P. Disp. 3.76; HP 2.0 @ 4000; Prop. dia. & pitch 6-1/2" x 4" LH, 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1-3/16" Brass; Wt. 27 lbs; Oil 1/2 pt. SAE 30 or 40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Gear Lub. Elgin Waterproof; Air cooled; Rope starter.				
1952	571-58561		\$141.00	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5 @ 4000; Prop. dia. & pitch 7-1/2" x 6-3/4", LH, 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1" steel; Wt. 47-3/4 lbs; Oil 1/2 pt. SAE-30 or 40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Gear Lub. Soc. Vac-U-W. Water cooled; Rewind rope starter.				
1952	571-58751		\$166.00	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 7-1/2 @ 4000; Prop. dia. & pitch 7-1/2" x 8" LH, 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1" steel; Wt. 48-1/4 lbs; Oil 1/2 pt. SAE-30 or 40 per gal; Fuel cap. 11 pts; Run. time full tank 1 hr; Gear Lub. Elgin Waterproof; Water cooled; Rewind rope starter.				
1952	571-58822		\$310.00	
2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.00; HP 16 @ 4000; Prop. dia. & pitch 9-1/2" x 9-1/2" RH, 3 Bl; C. P. Gap .015; S. P. Allstate A4-85, Gap .035; Shear pin 7/32" x 1-1/32" bronze; Wt. 92 lbs; Oil 1/2 pt. SAE-30 or 40 per gal; Fuel cap. 5 gals.; Run. time full tank 2 hrs; Gear Lub. Soc. Vac-U-W; Water cooled; Rope rewind starter.				

* Chicago Mail Order Price.

EI 5204
(Replace EI 5005)

EI 5204
(Replace EI 5005)

WATERWITCH (Continued)

Year	Model	Serial No.	FOB	Cash Value
1941	571.24	T24001 - T30103	\$ 73.95	
2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.3; HP 5-3/4 @ 3400 RPM; Prop. dia. & pitch 9" x 7"; 2 Bl; C. P. Gap .020; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 57-3/4 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Auto-wind Starter.				
1942	571.15	S90001 - S92355	\$ 73.95	
1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 3-1/2 @ 3600 RPM; Prop. dia. & pitch 8-1/2" x 7"; 2 Bl; C. P. Gap .020; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 47-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Auto-wind Starter.				
1942	571.36	AC18001 - AC20724	\$ 28.50	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 4"; 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .025; Shear Pin 5/32" x 7/8", Alum; Wt. 22 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Rope Starter.				
1942-45	571.44	S65201 - S69979	\$ 45.95	
1 Cyl; B&S 2" x 1-7/8"; P. Disp. 5.9; HP 3 @ 3600 RPM; Prop. dia. & pitch 8-1/4" x 5"; 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 5 pts; Water Cooled; Rope Starter.				
1945	571.44W	S70001 - S7E000	\$ 45.95	
1 Cyl; B&S 2" x 1-7/8"; P. Disp. 5.9; HP 3 @ 3600 RPM; Prop. dia. & pitch 8-1/4" x 5"; 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 5 pts; Water Cooled; Rope Starter.				
1946	571.5E301	1E000	\$ 56.50	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43 HP 1-1/4 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 5"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .040; Shear Pin 5/32" x 7/8", Alum; Wt. 19-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 3-1/2 hrs; Air Cooled; Rope Starter.				
1946	571.5E401	19000	\$ 76.50	
1 Cyl; B&S 2" x 1-9/16"; P. Disp. 4.9; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 4-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 29-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.				
1946	571.5E501	21000	\$107.95	
2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 3-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 33-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.				
1946	571.5E601	22000	\$124.95	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 37-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10-1/2 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.				
1947	571.5E511	221000	\$113.95	
2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 3-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 37-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Water Cooled; Rewind Starter.				
1947	571.5E521	121000	\$120.95	
2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 3-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 43-1/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rewind Starter.				
1947	571.5E611	222000	\$129.95	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 41-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 11 pts; Water Cooled; Rewind Starter.				
1947	571.5E621	122000	\$134.95	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6 HP 5-1/2" @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 46-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 11 pts; Water Cooled; Rewind Starter.				
1948	571.5E701	23000	\$ 94.50	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 37-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10-1/2 pts; Water Cooled; Rope Starter.				
1948	571.5E721	123000	\$136.95	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 46-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 11 pts; Run. time full tank 1-1/4 hrs.; Water Cooled; Rewind Starter.				
1949	571.5E731	126000	\$140.00	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 7 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 8"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 46-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 11 pts; Run. time full tank 1 hr; Water Cooled; Rewind Starter.				
1949	571.5E541	125000	\$125.00	
2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Water Cooled; Rewind Starter.				

ELGIN—WATERWITCH
Sears, Roebuck and Company
Homan and Arthington Aves., Chicago, Illinois

Year	Model	Serial No.	FOB	Cash Value
WATERWITCH				
1936-37	MB-10	1001 - 7933	\$ 39.95	
1 Cyl; B&S 2-1/2" x 1-7/8"; P. Disp. 7.4; HP 2-1/2 @ 3000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.				
1936	ME-20	T501 - T2391	\$ 59.50	
2 Cyl; B&S 2-1/2" x 1-7/8"; P. Disp. 14.8; HP 4 @ 2700 RPM; Prop. dia. & pitch 8" x 8", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 53 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.				
1937	571.10	S10001 - S28026	\$ 39.95	
1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 2-1/2 @ 2400 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.				
1937	571.20	T3001 - T8270	\$ 63.95	
2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.8; HP 4 @ 2700 RPM; Prop. dia. & pitch 8" x 8", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 53 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.				
1938	571.21	T9001 - T11005	\$ 66.95	
2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.8; HP @ 3200 RPM; Prop. dia. & pitch 8" x 8", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 62 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.				
1938	571.30	SA1001 - SA6000	\$ 27.95	
1 Cyl; B&S 1-7/16" x 1-9/32"; P. Disp. 2.04; HP 3/4 @ 3200 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .025; Shear Pin 5/32" x 7/8", Alum; Wt. 19 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 4-3/4 pts; Water Cooled; Rope Starter.				
1939	571.11	S30001 - S36103	\$ 43.95	
1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 2-1/2 @ 3000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.				
1939	571.22	T12001 - T17002	\$ 67.95	
2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.8; HP 4-3/4 @ 3000 RPM; Prop. dia. & pitch 8-1/4" x 7", 3 Bl; C. P. Gap .015; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 63 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.				
1939	571.31 571.32	AC1001 - AC7017	\$ 23.95	
1 Cyl; B&S 1-1/2" x 1-9/32"; P. Disp. 2.26; HP 3/4 @ 3200 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Cross Ct. C-13, Gap .030; Shear Pin 5/32" x 7/8", Alum; Wt. 19 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Rope Starter.				
1940	571.33	AC8001 - AC11565	\$ 23.95	
1 Cyl; B&S 1-1/2" x 1-9/32"; P. Disp. 2.26; HP 3/4 @ 3600 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .030; Shear Pin 5/32" x 7/8", Alum; Wt. 20-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Rope Starter.				
1940	571.34 571.34A	DAC25001 - DAC28905	\$ 28.50	
1 Cyl; B&S 1-1/2" x 1-9/32"; P. Disp. 2.26; HP 3/4 @ 3600 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .030; Shear Pin 5/32" x 63/64", Alum; Wt. 25-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Autowind Starter.				
1940	571.40	S50001 - S56103	\$ 38.50	
1 Cyl; B&S 2" x 1-7/8"; P. Disp. 5.9; HP 2-3/4 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .015; S. P. Champion J-8, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 32 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 4-3/4 pts; Water Cooled; Rope Starter.				
1940	571.12	S37001 - S44106	\$ 47.95	
1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 3-1/2 @ 3600 RPM; Prop. dia. & pitch 8-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Autowind Starter.				
1940	571.23	T1E001 - T23003	\$ 68.95	
2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.9; HP 5-3/4 @ 3400 RPM; Prop. dia. & pitch 9" x 8", 2 Bl; C. P. Gap .015; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 57-3/4 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Autowind Starter.				
1941	571.50	T100001 - T100600	\$129.95	
2 Cyl; B&S 2-3/8" x 2-1/8"; P. Disp. 18.8; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 12", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .025; Shear Pin 3/16" x 1-3/16", brass; Wt. 73 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Auto-wind Starter.				
1941	571.35	AC13001 - AC17442	\$ 24.95	
1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .025; Shear Pin 5/32" x 7/8", Alum; Wt. 20-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Auto-wind Starter.				
1941	571.41 571.42 571.43	S57001 - S65104	\$ 39.95	
1 Cyl; B&S 2" x 1-7/8"; P. Disp. 5.9; HP 3 @ 3600 RPM; Prop. dia. & pitch 8-1/4" x 5", 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 5 pts; Water Cooled; Rope Starter.				
1941	571.13 571.14	S45001 - S52603	\$ 53.45	
1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 3-1/2 @ 3600 RPM; Prop. dia. & pitch 8-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 44 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Auto-wind Starter.				

DRAGONFLY (Air Outboard)

Robertson-Hedges, Inc.

629 West 39th St.

Kansas City 11, Mo.

Year	Model	Serial No.	FOB	Cash Value
1955	Dragonfly-Model 47 Troller		\$119.50	
1 Cyl; B&S 2" x 1½"; HP 2.05 @ 4000 RPM; Prop. dia. 18"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 28 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 2 pts; Run. time full tank 1½ hrs; Air cooled; Gear lub. None; Automatic Rewind starter.				
1955	Dragonfly-Model 47 Cruiser		\$179.50	
1 Cyl; B&S 2" x 1½"; HP 2.05 @ 4000 RPM; Prop. dia. & pitch 28" x 8"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 38 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 2 pts; Run. time full tank 1½ hrs; Air cooled; Gear lub. None; Automatic Rewind starter.				
1955	Dragonfly-Model 80 Cruiser		\$219.50	
1 Cyl; B&S 2¼" x 2"; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 30" x 10"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 54 lbs.; Oil ¾ pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1½ hrs; Air cooled Gear lub. None; Automatic Recoil starter.				
1956	Model 47 Troller		\$119.50	
1 Cyl; B&S 2" x 1½"; HP 2.05 @ 4000 RPM; Prop. dia. 18"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 28 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 2 pts.; Run. time full tank 1½ hr.; Air cooled; Gear lub. None; Automatic Rewind starter.				
1956	Model 47 Cruiser		\$179.50	
1 Cyl; B&S 2" x 1½"; HP 2.05 @ 4000 RPM; Prop. dia. & pitch 29" x 8"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 38 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 2 pts.; Run. time full tank 1½ hr.; Air cooled; Gear lub. None; Automatic Rewind starter.				
1956	Model 80 Cruiser		\$219.50	
1 Cyl; B&S 2¼" x 2"; HP 4 @ 4000 RPM; Prop. dia. & pitch 31" x 10"; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 54 lbs.; Oil ¾ pt.; SAE 30 per gal.; Fuel Cap. 4 pts.; Run time full tank 1½ hr.; Air cooled; Gear lub. None; Automatic Recoil starter.				

CORSAIR
Corsair Outboard Motor Co.
Minneapolis 13, Minnesota

Year	Model	Serial No.	FOB	Cash Value
1953	2735	27351001		\$199.50
2 Cyl; B&S 1-11/64" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. Dia. & Pitch 7 1/2" x 7" R.H.; 2 Bl; C. P. Gap .020; S. P. Champ.H10J, Gap .035; Shear pin 5/32" x 7/8", Brass; Wt. 47 lbs.; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run time full tank 2 hrs.; Water cooled; Gear lub. Otbd.grease; Recoil starter.				
1953	2335	23351001		\$231.30
2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. Dia. & Pitch 8" x 7 1/2" R.H.; 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear Pin 5/32" x 7/8", Brass; Wt. 49 lbs.; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 6 gal; Run time full tank 7 1/2 hrs.; Water cooled; Gear lub. Otbd. grease; Recoil starter.				
1953	2835	28351001		\$283.80
2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. Dia. & Pitch 8-1/8" x 10" R.H.; 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 7/8", Brass; Wt. 57 lbs.; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 6 gal.; Run time full tank 4 1/2 hrs.; Water cooled; Gear lub. Univ. Gear Lub. JAE 90 (EP); recoil starter.				
1954	5 HP Corsair	2745-1001		
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" brass; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 7 hrs; Water cooled; Gear lub. outbd. grease; Recoil starter.				
1954	7.5 HP Corsair	2345-1001		
2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.00; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035 Shear Pin 5/32" x 7/8", brass; Wt. 50 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 7 hrs; Water cooled; Gear lub. outbd. grease; Recoil starter.				
1954	10 HP Corsair	2845-1001		
2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.00; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/4" x 9 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" brass; Wt. 59 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.				
1954	16 HP Corsair	2945-1001		
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" brass; Wt. 85 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 3/4 hrs; Water cooled; Gear lub. Universal SAE-90; Recoil starter.				
(1955 Models same as 1954)				
1956	5 HP	2765-1001		
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C.P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 42 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 28 pts.; Run. time full tank 5 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	7.5 HP	2365-1001		
2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.00; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 50 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 6 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	16 HP	2965-1001		
2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 85 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 3/4 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	30 HP	2665-1001		
2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Shear Pin 1/4" x 1-7/64" Brass; Wt. 115 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.				
1956	30 HP Electric	2665-3-1001		
2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Shear Pin 1/4" x 1-7/64" Brass; Wt. 130 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. SAE 90; Electric starter.				

CORSAIR
 Corsair Outboard Motor Co.
 Minneapolis 13, Minnesota

Year	Model	Serial No.	FOB	Cash Value
1948	4820	4820 Series	\$104.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8", Brass; Wt. 36 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 8 pts; Run. time full tank 2-1/4 Hrs.; Water Cooled; Rope Starter.				
1948	4821	4821 Series	\$119.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8", Brass; Wt. 42 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 8 pts.; Run. time full tank 2-1/4 hrs.; Water Cooled; Recoil Starter.				
1948	4823	4823 Series	\$169.95	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0 HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 5/8", Brass; Wt. 53 lbs; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Recoil Starter.				
1949	4921	4921 Series	\$139.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 5/8", stainless steel; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Recoil Starter.				
1949	4927	4927 Series	\$169.95	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 5/8", stainless steel; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Recoil Starter.				
1949	4923	4923 Series	\$189.95	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32", stainless steel; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts.; Run. time full tank 1-1/4 hrs.; Water Cooled; Recoil Starter.				
1950	5020		\$ 89.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear Pin 5/32" x 5/8" Brass; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1950	5021		\$139.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear pin 5/32" x 5/8" stainless steel; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1950	5027		\$169.95	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear Pin 5/32" x 5/8" stainless steel; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Automatic Recoil Starter.				
1950	5023		\$189.95	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear pin 5/32" x 5/8", stainless steel; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.				
1951	5020		\$129.50	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champ H10J, Gap .035; Shear pin 5/32" x 5/8" Brass; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Gear lub. Othd grease; Recoil starter.				
1951	5021		\$169.50	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champ H10J, Gap .035; Shear pin 5/32" x 5/8" Steel; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.				
1951	5027		\$199.50	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8" stainless steel; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.				
1951	5023		\$219.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champ H10J, Gap .035; Shear pin 5/32" x 5/8", stainless steel; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.				
1951	5028		\$279.50	
2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 10", 2 Bl; C. P. Gap .020; S. P. Champ HT10J, Gap .035; Shear pin 5/32" x 5/8", stainless steel; Wt. 61 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Gear lub. Universal Gear lub. SAE-90 (EP); Recoil starter.				
1952	5027	27251001	\$189.50	
2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 47 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.				
1952	5023	23251001	\$209.50	
2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.				
1952	5028	28251001	\$269.50	
2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 10", 2 Bl; C. P. Gap .020; S. P. Champ. HT10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 61 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Gear lub. Universal Gear lub. SAE-90 (EP); Recoil starter.				

CHRIS-CRAFT
Chris-Craft Outboard Motors
2000 Beverly Ave., S.W., Grand Rapids 9, Mich.

Year	Model	Serial No.	FOB	Cash Value
1949	J			\$185.00
2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin Part No. 59101 Monel; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 10-1/2 pts.; Run. time full tank 1-1/4 hrs; Water cooled; Rewinding Cable Starter.				
1950	K-Commander			\$315.00
2 Cyl; B&S 2-1/2" x 2-1/32"; P. Disp. 19.94; HP 10 @ 4000 RPM; Prop. dia. & pitch 8-3/4" varying 9 or 10-1/2", 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin Part No. 59101 Monel; Wt. 63 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 16 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rewinding Cable Starter.				
1950	J-Challenger			\$185.00
2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin Part No. 59101 Monel; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 10-1/2 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rewinding Cable Starter.				
1951	J-Challenger			\$199.00
2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear pin 27/32" x 5/32" monel; Wt. 47 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 10-1/2 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Gear lub. Othd. Grease; Rewind rope starter.				
1951	K-Commander			\$375.00
2 Cyl; B&S 2-1/2" x 2-1/32"; P. Disp. 19.94; HP 10 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin 1-1/32" x 3/16" monel; Wt. 72 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 16 pts; Run. time full tank 1-1/2 hrs; Water cooled; Gear lub. Othd. Grease; Rewind rope starter.				
1952	J-Challenger			\$199.00
2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear pin 27/32" x 5/32" monel; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 10-1/2 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Gear lub. Othd. Grease; Rewind rope starter.				
1952	K-Commander			\$375.00
2 Cyl; B&S 2-1/2" x 2-1/32"; P. Disp. 19.94; HP 10 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin 1-1/32" x 3/16" monel; Wt. 72 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 16 pts; Run. time full tank 1-1/2 hrs; Water cooled; Gear lub. Othd. Grease; Rewind rope starter.				
1953	J-Challenger			\$199.00
2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J-8; Gap .028; Shear pin 27/32" x 5/32" S/S; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 10 1/2 pts; Run. time full tank 1 3/4 hrs; water cooled; Gear lub. outbd. grease; Rewind rope starter.				
1953	K-Commander			\$375.00
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 10 @ 4000 RPM; Prop. dia. & pitch 8 3/4" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J-7; Gap .028; Shear pin 1-1/32" x 3/16" S/S; Wt. 82 lbs; Oil 3/4 pt. SAE-30 per gal.; Fuel cap. 16 pts; Run. time full tank 1 1/2 hrs; water cooled; Gear lub. outbd. grease; Rewind rope starter.				

CHAMPION (Continued)

Year	Model	Serial No.	FOB	Cash Value
1954	4M-HR Midget		\$295.00	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; Prop. dia. & pitch 5" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 36 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.				
1954	5M-HR Class AU-Hot Rod		\$395.00	
2 Cyl; B&S 2-11/64" x 2-1/32"; P. Disp. 11.96; Prop. dia. & pitch 6 3/4" x 10 3/4"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 44 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.				
1954	6M-HR Class BU Hot Rod		\$397.50	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; Prop. dia. & pitch 7" x 11"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 46 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.				
1955	3MM-GS Power Shift		\$219.50	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; water cooled; Gear lub. 1* or 2*; Pull-O-M starter.				
1955	4MM-GS Power Shift		\$245.00	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; water cooled; Gear lub. 1* or 2*; Pull-O-M starter.				
1955	6MM-GS Power Shift		\$342.50	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RMP; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Pull-O-M starter.				
1955	6MS-GS Power Shift Mid-Ship Control		\$375.00	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Pull-O-M starter.				
1955	4MM-HR, Class JU, Hot Rod		\$295.00	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; Prop. dia. & pitch 5" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 36 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.				
1955	6MM-HR, Class BU, Hot Rod		\$397.50	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; Prop. dia. & pitch 7" x 13 1/2"; 2 Bl; C. P. Gap .018; Gap .018; S. P. Champ J3 Gap .035; Shear Pin 3/16" x 1-1/16" Brass Wt. 46 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.				
1956	2N Guide Four		\$174.50	
1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. 7 Gap .030; Shear Pin 3/16" x 1-1/16" alum.; Wt. 42 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 10 pts.; Run. time full tank 2 1/2" hr.; Water cooled; Gear lub. OM; Pull-O-Matic starter. * Any Nationally advertised high grade outboard motor oil. OM Outboard Motor Waterproof Gear Lubricant				
1956	3N-5 Guide Six		\$220.00	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 6.0 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" alum.; Wt. 46 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 10 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter.				
1956	4N-D Deluxe		\$264.00	
2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7.8 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ J7J Gap .030; Shear Pin 3/16" x 1-1/16" alum.; Wt. 46 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 28 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter. * Any nationally advertised high grade outboard motor oil.				
1956	6N-D Deluxe**		\$365.00	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 48 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter. * Any nationally advertised high grade outboard motor oil. ** 6 gallon separate day cruising tank.				
1956	6N-MS Mid-Ship**		\$355.00	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 48 pts.; Run. time full tank 4 hrs.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter. * Any nationally advertised high grade outboard motor oil. ** 6 gallon separate day cruiser tank.				
1956	6N-HR Hot Rod		\$425.00	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; Class B; Prop. dia. & pitch 7" x 13 1/2"; 2 Bl; C. P. Gap .018 S. P. Champ. R7 Gap .025; Sheer Pin 3/16" x 1-1/16" Brass; Wt. 46 lbs.; Oil 1 pt.; SAE * per gal.; Fuel Cap. 16 pts.; Run. time full tank 3/4 hr.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter. * Any nationally advertised high grade outboard motor oil.				

1* Use Champion Lower Unit Oil. 2* Extreme Pressure outboard gear oil EP-90.
** Featherweight 15

CHAMPION (Continued)

Year	Model	Serial No.*	FOB	Cash Value
1953	2M Guide Model		\$147.50	
1 Cyl.; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2"; 2 Bl.; C. P. Gap .018; S. P. Champion 7; Gap .030; Shear pin 3/16" x 1-1/16", aluminum; Wt. 42 lbs; Oil 1/2 pt; SAE-30; per gal; Fuel Cap 10 pts; Run. time full tank 2 1/2 hrs; Gear lub. Outbd. Motor Gear Lub.; Water cooled; Pull-O-Matic starter.				
1953	3M-GS Gear Shift		\$219.50	
2 Cyl; B&S 1-7/8" x 1 3/4"; P. Disp. 9.66; HP 5.0 @ 4300; RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear pin 3/16" x 1-1/16", Brass; Wt. 44 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 28 pts; Run. time full tank 3 hrs; Gear lub. 1* or 2*; Water cooled; Pull-O-Matic starter.				
1953	4M-GS Gear Shift		\$245.00	
2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear Pin 3/16" x 1-1/16". Brass; Wt. 44 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 28 pts; Run. time full tank 3 hrs; Gear lub. 1*; Water cooled; Pull-O-Matic starter.				
1953	4M-HD Hydro-drive		\$295.00	
2 Cyl; B&S 1-7/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear pin 3/16" x 1-1/16", brass; Wt. 45 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 28 pts; Run time full tank 3 hrs; Gear lub. 1*; water cooled; Pull-O-Matic starter.				
1953	6M-GS Gear Shift**		\$347.50	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 15.0 @ 4300 RPM; Prop. dia & pitch 8" x 11 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 6 gal; Run time full tank 4 hrs; Gear lub. 1* or 2*; water cooled. Pull-O-Matic starter.				
1953	6M-HD Hydro-Drive**		\$397.50	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 15.0 @ 4300 RPM; Prop. dia & pitch 8" x 11 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear pin 3/16" x 1-1/16", Brass; Wt. 55 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 48 pts; Run time full tank 4 hrs; Gear lub. 1*; water cooled; Pull-O-Matic starter.				
1953	4M-HR Class JU Hot-Rod		\$295.00	
2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 5" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J3; Gap .035; Shear Pin 3/16" x 1-1/16"; Brass; Wt. 36 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 28 pts; Run time full tank 3 hrs; Gear lub. 1* or 2*; water cooled; Rope starter.				
1953	5M-HR Class AU Hot-Rod		\$395.00	
2 Cyl; B&S 2-11/64" x 2-1/32"; P. Disp. 14.96; HP @ RPM To Be Certified; Prop. dia & pitch 6 3/4" x 10 3/4"; 2 Bl; C. P. Gap .018; S. P. Champion J3; Gap .035; Shear pin 3/16" x 1-1/16" brass; Wt. 44 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 6 gal; Run time full tank 4 hrs; Gear lub. 1* or 2*; water cooled; Rope starter.				
1953	6M-HR Class BU Hot-Rod		\$397.50	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 15.0 @ 4300 RPM; Prop. dia. & pitch 7" x 11"; 2 Bl; C. P. Gap .018; S. P. Champion J3; Gap .035; Shear Pin 3/16" x 1-1/16", brass; Wt. 46 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 6 gal; Run time full tank 4 hrs; Gear lub. 1* or 2*; water cooled; Rope starter.				
1954	2MM		\$147.50	
1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 2 1/2 hrs.; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.				
1954	3M-GS		\$219.50	
2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 5.0 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.				
1954	4M-GS		\$245.00	
2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.				
1954	4M-HD		\$295.00	
2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.				
1954	6M-GS		\$347.50	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 14 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16", brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.				
1954	6M-HD		\$397.50	
2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16", brass; Wt. 55 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.				
1954	4M-HR Class JU Hot Rod		\$295.00	
2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; Prop. dia. & pitch 5" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J3, Gap .035; Shear Pin 3/16" x 1-1/16", brass; Wt. 36 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.				

1* Use Champion Lower Unit Oil 2* Extreme Pressure outboard gear oil EP-90
 **Featherweight 15

CHAMPION (Continued)

Year	Model	Serial No.*	FOB	Cash Value
1951	1L Guide Model		\$132.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7; S. P. Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Rope starter.				
1951	2K Deluxe Single		\$159.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water Cooled; Pull-O-Matic starter.				
1951	2L-HD Hydro-Drive Single		\$194.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear Pin 3/16" x 1-1/16" brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Champ. Lower Unit Oil; Water Cooled; Pull-O-Matic starter.				
1951	4K Deluxe Twin		\$199.50	
2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/2" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Othd Grease; Water Cooled; Pull-O-Matic starter.				
1951	4L Deluxe Twin		\$220.00	
2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 9-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.				
1951	4L-HD Hydro-Drive Twin		\$245.00	
2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 52 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear Lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.				
1951	4L-5 1X Hot Rod Special		\$275.00	
2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7" x 9", 2 Bl; C. P. Gap .018; S. P. Champion H16A, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 50 lbs; Oil 2 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear Lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.				
1952	1L Guide Model		\$132.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, S. P. Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Rope starter.				
1952	2K Deluxe Single		\$159.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Pull-O-Matic starter.				
1952	2L-HD Super Deluxe Hydro-Drive Single		\$194.50	
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear Pin 3/16" x 1-1/16" brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.				
1952	4L Deluxe Twin		\$220.00	
2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 9-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.				
1952	4L-HD Super Deluxe Hydro-Drive Twin		\$245.00	
2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 52 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear Lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.				
1952	4L-5 1X Hot Rod Special		\$275.00	
2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7" x 9", 2 Bl; C. P. Gap .018; S. P. Champion H16A, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 50 lbs; Oil 2 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear Lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.				

CHAMPION (Continued)

Year	Model	Serial No.	FOB	Cash Value
1942	3H Electra Twin			\$149.95
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 7.00 @ 3900 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 45 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Pull-O-Matic Starter.				
1946-47	1J Std. Single			\$127.00
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.				
1946-47	2J Deluxe Single			\$139.50
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 37-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1948	1K Std. Single			\$127.20
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.				
1948	2K Deluxe Single			\$139.70
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 39-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1948	4K Deluxe Lite Twin			\$188.30
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8" x 10"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 49-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1949	1K Std. Single			\$134.70
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.				
1949	2K Deluxe Single			\$149.70
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1949	4K Deluxe Lite Twin			\$198.30
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8" x 10"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 49-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1949	4KS Hot Rod Special			\$250.00
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 10"; 2 Bl; C. P. Gap .018; S. P. Champion H-17 A, Gap .030; Shear pin 3/16" x 1/16" bronze; Wt. 50 lbs; Oil 2 pt. SAE-30 per gal. Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1950	1L Guide Model			\$132.50
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear Pin 3/16" x 1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal. Fuel Cap 10 pts.; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.				
1950	2K Deluxe Single			\$147.50
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal. Fuel Cap. 10 pts.; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1950	2L-HD Hydro-Drive Single			\$172.50
1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7-1/4" x 6-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" bronze; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 10 pts.; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1950	4K Deluxe Twin			\$195.00
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts.; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic Starter.				
1950	4L-HD Hydro-Drive Twin			\$220.00
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 7-1/4" x 9 1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" brass; Wt. 52 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts.; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic.				
1950	4L-S Hot Rod Special			\$250.00
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 10"; 2 Bl; C. P. Gap .018; S. P. Champion H-17 A, Gap .030; Shear pin 3/16" x 1/16" bronze; Wt. 50 lbs; Oil 2 pt. SAE-30 per gal. Fuel Cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Pull-O-Matic.				

CHAMPION (Continued)

Year	Model	Serial No	FOB	Cash Value
1939	D2D Deluxe Lite Twin		\$ 74.95	
2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 4.4 @ 3800 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 38 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.				
1939	D3D Deluxe Senior Twin		\$115.00	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 6.6 @ 4000 RPM; Prop. dia. & pitch 9" x 6". 3 Bl; C. P. Gap .015; S. P. Champion J1-15, Gap .027; Shear Pin 3/16" x 1", Brass; Wt. 48 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.				
1940	S1F Kingfisher Single		\$ 39.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 31-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.				
1940	D1F Challenger Single		\$ 52.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 33 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.				
1940	S2F Fish Hawk Lite Twin		\$ 74.95	
2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 3.4 @ 3800 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 43 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.				
1940	D2F Play Boy Lite Twin		\$ 89.95	
2 Cyl; B&S 2-1/8" x 1-9/16"; P. Disp. 11.08; HP 5.5 @ 3800 RPM; Prop. dia. & pitch 8-1/4" x 7-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1940	B1F Blue Streak Single		\$ 39.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 31-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.				
1941	S1G Kingfisher Single		\$ 44.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.0 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 32-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water cooled; Rope Starter.				
1941	D1G Challenger Single		\$ 54.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.0 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 32-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water cooled; Pull-O-Matic Starter.				
1941	S4G400 Std. Single		\$ 54.95	
1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.95; HP 3.6 @ 3900 RPM; Prop. dia. & pitch 8-1/2" x 7". 2 Bl; C. P. Gap .015; S. P. Champion H-9 Com, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 35 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.				
1941	D4G400 Deluxe Single		\$ 62.95	
1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.95; HP 3.6 @ 3900 RPM; Prop. dia. & pitch 8-1/2" x 7". 2 Bl; C. P. Gap .015; S. P. Champion H-9 Com, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 35 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Pull-O-Matic Starter.				
1941	2G Viking Twin		\$ 84.95	
2 Cyl; B&S 2-1/8" x 1-9/16"; P. Disp. 11.08; HP 5.3 @ 3800 RPM; Prop. dia. & pitch 8-1/4" x 7-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 54 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1941	3G Electra Twin		\$ 99.95	
2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 6.1 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9". 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 45 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Pull-O-Matic Starter.				
1941	M1G Ensign Single		\$ 44.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.0 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 32-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.				
1941	M4G Commodore Single		\$ 54.95	
1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.95; HP 3.6 @ 3900 RPM; Prop. dia. & pitch 8-1/2" x 7". 2 Bl; C. P. Gap .015; S. P. Champion H9 Com, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 35 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.				
1941	M2G Admiral Twin		\$ 84.95	
2 Cyl; B&S 2-1/8" x 1-9/16"; P. Disp. 11.08; HP 5.3 @ 3800 RPM; Prop. dia. & pitch 8-1/4" x 7-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 54 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				
1942	1H Super Single		\$ 62.95	
1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.0 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 35 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.				
1942	2H Viking Twin		\$109.95	
2 Cyl; B&S 2-1/8" x 1-9/16"; P. Disp. 11.08; HP 5.8 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 7-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 54 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.				

CHAMPION
Champion Outboard Motors Company
1433 Stinson Blvd., N. E., Minneapolis 13, Minn.

Year	Model	Serial No.	FOB	Cash Value
1935	A Std. Single			\$ 49.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.			
1936	1B Std. Single			\$ 49.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.			
1936	2B Lite Twin			\$ 69.95
	2 Cyl; I&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 4.4 @ 3800 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 38 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rope Starter.			
1936	3B Senior Twin			\$ 89.95
	2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 7.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 3/16" x 1", Brass; Wt. 48 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.			
1937	S1C Std. Single			\$ 49.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 2.9 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.			
1937	D1C Deluxe Single			\$ 59.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 32 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Rope Starter.			
1937	S2C Std. Lite Twin			\$ 69.95
	2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 3.4 @ 3400 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rope Starter.			
1937	D2C Deluxe Lite Twin			\$ 79.95
	2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 4.4 @ 3800 RPM; Prop. dia. & pitch 7-3/8" x 6"; 3 Bl; C. P. Gap .018; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 38 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.			
1937	D3C Deluxe Senior Twin			\$ 99.95
	2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 6.6 @ 4000 RPM; Prop. dia. & pitch 7-3/8" x 6"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 3/16" x 1", Brass; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.			
1937	R1C Red Flash Single			\$ 49.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 32 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Rope Starter.			
1938	S1D Std. Single			\$ 49.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23 HP 2.9 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 1/2 Pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.			
1938	D1D Deluxe Single			\$ 59.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 32 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Rope Starter.			
1938	S2D Std. Lite Twin			\$ 79.95
	2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 3.4 @ 3400 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rope Starter.			
1938	D2D Deluxe Lite Twin			\$ 89.95
	2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 4.4 @ 3800 RPM; Prop. dia. & pitch 7-3/8" x 6"; 3 Bl; C. P. Gap .018; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 38 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.			
1938	D3D Deluxe Senior Twin			\$115.00
	2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 6.6 @ 4000 RPM; Prop. dia. & pitch 9" x 6"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 3/16" x 1", Brass; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.			
1939	S1E Std. Single			\$ 39.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 2.9 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.			
1939	D1E Deluxe Single			\$ 52.95
	1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 33 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.			

BUCCANEER (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	22D11B Deluxe		\$430.00	
2 Cyl; B&S 2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 12 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin $\frac{1}{4}$ " x 1 $\frac{1}{8}$ " Naval Brass; Wt. 120 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid Oil; Rope starter.				
1956	22DE11B Deluxe Electric		\$520.00	
2 Cyl; B&S 2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 12 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin $\frac{1}{4}$ " x 1 $\frac{1}{8}$ " Naval Brass; Wt. 146 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid Oil; Electric starter.				
1956	22D13B		\$430.00	
2 Cyl; B&S 2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 12 $\frac{1}{2}$ "; 3Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin $\frac{1}{4}$ " x 1 $\frac{1}{8}$ " Naval Brass; Wt. 119 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.				
1956	22DE13B		\$520.00	
2 Cyl; B&S 2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7 HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 12 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin $\frac{1}{4}$ " x 1 $\frac{1}{8}$ " Naval Brass; Wt. 129 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Electric starter.				

BUCCANEER (Continued)

Gale Products
Galesburg, Ill.

Year	Model	Serial No.	FOB	Cash Value
1955	3D11B		\$123.50	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 3/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 4 pts; Run. time full tank 1 1/2 hrs; water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955	3D12B		\$123.50	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 3/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955	5S11B		\$162.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 7 pts; Run. time full tank 1 hr; water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955	5S12B		\$162.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM. Prop. dia. & pitch 7 1/2" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 7 pts; Run. time full tank 1 hr; water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955	5D11B		\$191.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None Used; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 1/2 pts; Run. time full tank 1 hr; water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.				
1955	12D11B		\$291.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 12.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.				
1955	22D10B		\$410.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 1/2" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/2" Brass; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hrs; water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter. * Bosun Fuel System, 6 gal. cap.				
1955	22DE10B		\$505.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 1/2" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/2" Brass; Wt. 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. 48* pts.; run. time full tank 2 hrs.; water cooled; gear lub. Hypoid oil; electric and automatic rewind starter. * Bosun Fuel System, 6 gal. cap.				
1956	3D13B Deluxe		\$127.00	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin 1/8" x 3/8" s/s; Wt. 32 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4 pts. Run. time full tank 1 hr.; Water cooled; Gear lub. Reg. Outboard gear grease; Rope starter.				
1956	5S12B Standard		\$164.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin 3/16" x 15/16" alum.; Water cooled; Gear lub. Reg. Outboard gear grease; Rope starter.				
1956	5D12B Deluxe		\$205.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030 Shear Pin Propeller pin; Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 7.2 pt.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid Oil; Rope starter.				
1956	5D13B		\$205.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.				
1956	12S12B Standard		\$302.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin 3/16" x 1-3/16" Naval Brass; Wt. 66 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 16 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid Oil; Rope starter.				
1956	12D13B Deluxe		\$340.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030, Shear Pin 3/16" x 1-3/16" Naval Brass; Wt. 79 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3+ hr.; Water cooled; Gear lub. Hypoid Oil; Rope starter.				
1956	12D14B		\$340.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.				
1956	12DE13B Deluxe Electric		\$430.00	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin 3/16" x 1-3/16" Naval Brass; Wt. 90 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3+ hr.; Water cooled; Gear Lub. Hypoid oil; Electric starter.				

BUCCANEER
Gale Products
Galesburg, Ill.

Year	Model	Serial No.	FOB	Cash Value
1951	3S108		\$105.00	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Rope starter.				
1951	3D108		\$118.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1951	5S108		\$156.75	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.				
1951	5D108		\$171.75	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1951	12S108		\$246.75	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin .218" x 1-3/16", alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1951	12D108		\$280.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	3D108		\$118.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2" -varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1952	5D108		\$171.75	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	12D108		\$280.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1953	3D108		\$118.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2" -varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .030; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1953	5D108		\$171.75	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .030; Shear pin, none; Wt. 46 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1953	12D108		\$260.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .030; Shear pin, special; Wt. 64 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1953	5S108		\$156.75	
2 Cyl; B&S 1 15/16" x 1 1/2"; P. Dis. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J; Gap .030; Shear pin 3/16" x 15/16"; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 6 1/2 pts; Run. time full tank 1 hr; water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1953	12S108		\$236.00	
2 Cyl.; B&S 2 3/8" x 2 1/4"; P. Dis. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/4" varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J; Gap .030; Wt. 66 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap 12 pts; Run. time full tank 3/4 hr; water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1954	3D11B		\$123.50	
1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 3/8"; 2 Bl; C. P. Gap .020; S. P. Champ J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub. lower unit lub grease; Automatic rewind starter.				
1954	5S108		\$161.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Gap .030; Wt. 45 lbs.; Oil 1/2 pt. SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; Automatic rewind starter.				
1954	5D108 Deluxe		\$188.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic rewind starter.				
1954	12D11B		\$282.50	
2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic rewind starter.				

BROOKLURE (Continued)

Year	Model	Serial No.	FOB	Cash Value
1956	3D13		\$127.00	
1 Cyl; B&S 2 $\frac{1}{8}$ " x 1 $\frac{1}{2}$ "; P. Disp. 5.32; HP 3; Prop. dia. & pitch 6 $\frac{3}{8}$ " x 6 $\frac{3}{8}$ "; 2 Bl; Wt. 30 lbs.; Oil SAE 30 per gal.; Fuel Cap. 4 pts.; Run. time full tank 1 $\frac{1}{4}$ hr.				
1956	5S12S		\$164.00	
2 Cyl; B&S 1-5/16" x 1 $\frac{1}{2}$ "; P. Disp. 8.84; HP 5; Prop. dia. & pitch 7 $\frac{1}{2}$ " x 7 $\frac{1}{4}$ "; 2 Bl; Wt. 45 lbs.; Oil SAE 30 per gal.; Fuel Cap. 6 $\frac{1}{2}$ pts.; Run. time full tank 1 hr.				
1956	5D12		\$205.00	
2 Cyl; B&S 1-5/16" x 1 $\frac{1}{2}$ "; P. Disp. 8.84; HP 5; Prop. dia. & pitch 8" x 7 $\frac{1}{4}$ "; 2 Bl; Wt. 52 lbs.; Oil SAE 30 per gal.; Fuel Cap. 7 pts.; Run. time full tank 1 hr.				
1956	12D13		\$340.00	
2 Cyl; B&S 2 $\frac{1}{4}$ " x 2 $\frac{1}{4}$ "; P. Disp. 17.89; HP 12; Prop. dia. & pitch 9" x 11"; 3 Bl; Wt. 75 lbs.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.				
1956	22D11		\$430.00	
2 Cyl; B&S 2 $\frac{7}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25; Prop. dia. & pitch 10 $\frac{3}{8}$ " x 12 $\frac{1}{4}$ "; 3 Bl; Wt. 119 lbs.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.				
1956	22DE11		\$520.00	
2 Cyl; B&S 2 $\frac{7}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25; Prop. dia. & pitch 10 $\frac{3}{8}$ " x 12 $\frac{1}{2}$ "; Bl; Wt. 129 lbs.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.				

BROOKLURE (Continued)

Spiegel, Inc.

1061 West 35th St., Chicago, Ill.

Year	Model	Serial No.	FOB	Cash Value
1953	3D105 DeLuxe		\$102.50	
1 Cyl; B&S 2 3/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin 3/8" x 7/8" stainless; Wt. 29 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Automatic rewind starter.				
1953	5S105 Standard		\$136.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. Dia. & pitch 8" x 7 1/4"; 2 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin 3/16" x 15/16" stainless; Wt. 45 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.				
1953	5D105 DeLuxe		\$148.00	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin None; Wt. 46 1/2 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 7 pts; Run. time full tank 1 hr; Water cooled; Gear Lub. 90 Hypoid; Automatic rewind starter.				
1953	12S105 Standard		\$214.00	
2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 2 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin 210" x 1 3/16"; Wt. 66 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 12 pts; Run. time full tank 3/4 hr; Water cooled; Automatic rewind starter.				
1953	12D105 DeLuxe		\$237.00	
2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin Special; Wt. 64 1/2 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 12 pts; Run. time full tank 3/4 hr; water cooled; Gear Lub. 90 Hypoid; Automatic rewind starter.				
1954	3D115		\$104.50	
1 Cyl; B&S 2 3/8" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-3/8" x 6 1/4"; 2 B1; C. P. Gap .020; S.P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. lower unit lub. grease; Automatic rewind starter.				
1954	5S105		\$149.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; Hp 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; Automatic rewind starter.				
1954	5D105 DeLuxe		\$159.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic rewind starter.				
1954	12D115		\$249.50	
2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic rewind starter.				
1955	300 Dix		\$104.50	
1 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 1/4"; 2 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.				
1955	500 Dix		\$149.50	
2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.				
1955	1200 Dix		\$249.50	
2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 17.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.				
1955	2200		\$399.50	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Gear lub. Hypoid Oil; Automatic Rewind starter.				
1955	2200 Dix		\$495.00	
2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Electric & Automatic Rewind starter.				

BROOKLURE
Spiegel, Inc.
 1061 West 35th St., Chicago, Ill.

Year	Model	Serial No.	FOB	Cash Value
1950	"150"	230-50-1	\$ 49.50	
1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin 1/8" x 7/8", stainless steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.				
1950	"300"	230-50-3	\$ 79.95	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin 1/8" x 7/8", stainless steel; Wt 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.				
1950	"500"	230-50-5	\$112.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.				
1950	"1200"	230-50-12	\$185.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin .210" x 1-3/16" alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water Cooled; Automatic Rewind Starter.				
1951	.35105		\$ 94.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Rope starter.				
1951	3D105		\$102.50	
1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1951	55105		\$134.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.				
1951	5D105		\$148.50	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1951	125105		\$212.50	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin .210" x 1-3/16", alum; Wt. 64 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1951	12D105		\$232.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	230-51-3D		\$ 99.50	
1 Cyl; B&S 2-1/2" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.				
1952	230-51-5D		\$145.00	
2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				
1952	230-51-12D		\$232.00	
2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, special; Wt. 64-1/2 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.				

BENDIX
Marine Division, Bendix Aviation Corp.
South Bend, Indiana

Year	Model	Serial No	FOB	Cash Value
1936	ECLIPSE - SB	70000	\$ 59.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01; HP 2 at 3000 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 23 lbs; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min; Air Cooled; Manual Starter.				
1937	ECLIPSE - SB	70002	\$ 59.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01; HP 2 at 3000 RPM; Prop. dia. & pitch 7-1/2" x 5"; 2 B1; Wt. 23 lbs; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min; Air Cooled; Manual Starter.				
1937	ECLIPSE - SM	70001	\$ 71.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01 HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 27 lbs; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min; Air Cooled; Manual Starter.				
1938	ECLIPSE - SM	70001	\$ 71.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01; HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5"; 2 B1; Wt. 27 lbs; Fuel cap. 3-1/2 pts. Run. time full tank 1 hr. 15 min; Air Cooled; Manual Starter.				
1938	ECLIPSE - SMD	70003	\$ 79.50	
1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01; HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 27 lbs; Fuel cap. 4-1/2 pts; Run. time full tank 1 hr. 30 min; Air Cooled; Manual Starter.				
1938	ECLIPSE - TMD	70410	\$129.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 10.02; HP 4-1/2 at 4000 RPM; Prop. dia. & pitch 8-1/4" x 6", 2 B1; Wt. 41 lbs; Fuel cap. 7-1/2 pts; Run. time full tank 1 hr; Air Cooled; Manual Starter.				
1939	ECLIPSE - SM	70001	\$ 71.50	
1 Cyl; B&S 2-1/16" x 1-1/2" Disp. 5.01; HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 27 lbs; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min.; Air Cooled; Manual Starter.				
1939	ECLIPSE - SMD	70612	\$ 79.50	
1 Cyl; B&S; 2-1/16" x 1-1/2"; Disp. 5.01; HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 27 lbs; Fuel cap. 4-1/2 pts; Run. time full tank 1 hr. 30 min; Air Cooled; Manual Starter.				
1939	ECLIPSE - TMD	70613	\$129.50	
2 Cyl; B&S 2-1/16" x 1-1/2"; Disp; 10.02; HP 4-1/2 at 4000 RPM; Prop. dia. & pitch 8-1/4" x 6", 2 B1; Wt. 41 lbs; Fuel cap. 7-1/2 pts; Run. time full tank 1 hr; Air Cooled; Manual Starter.				

ECLIPSE—BENDIX AVIATION CORP.

MODEL LEGEND:

SB—Single Cylinder, Battery Ignition
SM—Single Cylinder, Magneto Ignition
SMD—Single Cylinder, Magneto Ignition, De Luxe
TMD—Twin Cylinder, Magneto Ignition, De Luxe

NOTES: Production ceased in 1940. Service can be obtained from Pozgay Welding Works, Jamaica, Long Island, New York.

AIRBOATS, INC. (Air Outboard)
Box 2255
St. Louis, Mo.

Year	Model	Serial No.	FOB	Cash Value
1954-55	Airboy Mod. 1-2554	226363	\$179.50	
1 Cyl; B&S 2" x 1 1/2"; P. Disp. 4.7; HP 2 @ 3600 RPM; Prop. dia. 28"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J; Shear Pin None; Wt. 39 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 3 pts; Run. time full tank 1 1/2 hrs; Air cooled; Gear lub. None; Automatic Rewind starter.				
1954-55	Airboy Mod. 1-3554	4189	\$215.00	
1 Cyl; B&S 2 1/4" x 2"; P. Disp. 8.0; HP 3.5 @ 3750 RPM; Prop. dia. 28"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J; Shear Pin None; Wt. 39 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Air cooled; Gear lub. None; Automatic Rewind starter.				
1956	Airboy Mod. 20		\$179.50	
1 Cyl; B&S 2" x 1 1/2"; P. Disp. 4.7; HP 2 @ 3600 RPM; Prop. dia. 26"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J Gap .030; Shear Pin None; Wt. 38 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 3 pts.; Run. time full tank 1 hr.; Air cooled; Gear lub. None; Automatic Rewind starter.				
1956	Airboy Mod. 40		\$215.00	
1 Cyl; B&S 2 1/4" x 2"; P. Disp. 8.0; HP 3.5 @ 3750 RPM; Prop. dia. 26"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J Gap .030; Shear Pin None; Wt. 54 lbs.; Oil 1/4 pt.; SAE 30 per gal.; Fuel Cap. 4 pts.; Run. time full tank 1 hr.; Air cooled; Gear lub. None; Automatic Rewind starter.				

OUTBOARD MOTOR SPECIFICATIONS

FROM 1935

Explanation of Abbreviations

H.D.	—	Heavy duty
Cyl.	—	Cylinder
B&S	—	Bore and stroke
P.Disp.	—	Piston displacement
HP	—	Horsepower
RPM	—	Revolutions per minute
Prop. dia.	—	Propeller diameter
BL	—	Blades
C.P.	—	Contact point
S.P.	—	Spark plug
HH	—	Half hard
Wt.	—	Weight
Lbs.	—	Pounds
Pt.	—	Pint
SAE	—	Society Automotive Engineers
Gal.	—	Gallon
Cap.	—	Capacity
Run.	—	Running
Hr.	—	Hour
Min.	—	Minutes

Reprint from:

THE BOATING INDUSTRY

— A Trade Paper —

ST. JOSEPH, MICHIGAN

TORQUE METER READINGS

INCH POUNDS

<u>MODEL</u>	<u>FLYWHEEL NUT</u>	<u>CYL. HEAD BOLTS</u>	<u>ROD CAP SCREWS</u>	<u>CRANKCASE SCREWS</u>	<u>MAIN BEARING SCREWS</u>	<u>SPARK PLUG</u>
3.6 H.P.	468-528	60-84	70-80			240-260
5 H.P.	468-528	60-84	70-80			240-260
7.5 H.P.	468-528	96-144	70-80			240-260
10 H.P.	468-528	60-84	70-80			240-260
16 H.P.	468-528	96-144	120	60-84		260-280
30.33.40	888-1008	150-200	160	95-145	250-300	240-260

TORQUE READINGS FOR STANDARD SCREWS

<u>SCREW SIZE</u>	<u>TIGHTENING</u>	<u>TORQUE INCH POUNDS</u>
8		
10		25-35
12		40-50
1/4		60-80
5/16		120-140
3/8		220-240
7/16		340-360

TORQUE METER READINGS

INCH POUNDS

Model Usage	Drive Shaft Assy. No.	Dia.	Assy. Length	Lower D/S Number	Length	Upper D/S Number	D/S Spring Number	D/S Sleeve Number	D/S Sub-Assy. No.	Length
39L5-2	39L5-2-2901	.563	30 27/32	(Firestone)						
462	L62-2900	7/16	25 11/32	(Firestone)						
L911	L911-2900	1/2	25 5/16	(Firestone)						
L913	L913-2900	1/2	26 7/16	(Firestone)						
236,1136	236-2901	.623	31 9/16							
233	233-2901	1/2	32 53/64							
237	237-2901	1/2	31 3/4							
238	238-2901	1/2	32 1/2							
239,1139	239-2901	.563	32 31/32							

TORQUE READINGS FOR STANDARD SCREWS

SCREW SIZE	TIGHTENING TORQUE
8	
10	32-32
12	40-50
1/4	60-80
5/16	150-140
3/8	320-340
7/16	340-360

DRIVE SHAFT USAGE AND DIMENSIONS

Model Usage	Drive Shaft Assy. No.	Dia.	Assy. Length	Lower D/S Number	Length	Upper D/S Number	Length	D/S Spring Number	Length	D/S Sleeve Number	Length	D/S Sub-Asy. No.	Length
L61	L63-2900	1/2	25 1/2	(Consists of L63-2901 shaft and L63-5103 cam)	"	"	"	"	"	"	"	"	"
L67	"	"	"	"	"	"	"	"	"	"	"	"	"
L70	"	"	"	"	"	"	"	"	"	"	"	"	"
L71	"	"	"	"	"	"	"	"	"	"	"	"	"
L73	L65-2900	1/2	26 9/16	(Consists of L65-2901 shaft and L63-5103 cam)	"	"	"	"	"	"	"	"	"
L80, L81, 500, 510													
3025, 3035, 3015													
3055, 3065													
L83	L80-2900	1/2	25 1/2	(Consists of L63-2901 shaft and L80-5103 cam)	"	"	"	"	"	"	"	"	"
L91, L97	L83-2900	1/2	26 9/16	(Consists of L65-2901 shaft and L80-5103 cam)	"	"	"	"	"	"	"	"	"
L93	L91-2900	1/2	25 7/16										
501, 507, 511, 517	L93-2900	1/2	26 19/32										
503, 513	501-2900	1/2	25 7/16	501-2901	6	501-2903	10 21/32	501-2907	10	501-2901	13 5/16	501-2906	16
509, 519	503-2900	1/2	26 19/32	501-2901	6	503-2903	11 13/16	501-2907	10	501-2901	13 5/16	503-2906	16
518	509-2900	.633	21 3/8	509-2901	10 3/16	509-2903	6	519-2907	9 15/16	509-2901	12 1/2	509-2906	16
3325	508-2900	1/2	26 9/16	508-2901	9 53/64	508-2903	7 61/64	501-2907	10	501-2901	13 5/16	508-2906	16
3725	None	1/2	26 9/16	3325-2901	9 53/64	None		3325-2907	16.28	3325-2901	16 15/16	None	None
3825	None	1/2	26 9/16	3725-2901	8 57/64	None		3325-2907	16.28	3325-2901	16 15/16	None	None
3925	3825-2900	.563	26 45/64	3925-2901	9 53/64	None		3825-2907	16.28	3825-2901	16 5/16	3925-2906	21 3/4
3335	3925-2900	.563	26 17/32										
3735	3335-2901	1/2	26 17/32										
3835	3735-2901	1/2	25 17/32										
3935	3835-2901	1/2	26 7/32										
3345, 3355, 3365, 3375	3935-2901	.563	21 27/32										
3745, 3775	3345-2901	1/2	27 53/64										
3845, 3855, 3865, 3875	3745-2901	1/2	26 3/4										
3945, 3955	3745-2901	1/2	26 3/4										
3655, 3665, 3675, 536	3845-2901	1/2	27 1/2										
3965, 3975	3845-2901	.563	21 27/32										
508-2	3645-2901	.623	29 9/16	508-2901	9 53/64	508-2-2903	13 61/64	501-2907	10	501-2901	13 5/16	508-2-2906	16
509-2	3645-2901	.623	29 9/16	508-2901	9 53/64	508-2-2903	13 61/64	501-2907	10	501-2901	13 5/16	508-2-2906	16
3655-2,	3665-2	.623	31 9/16	509-2901	10 3/16	509-2-2903	12	519-2907	9 15/16	509-2901	12 1/2	509-2-2906	16
3835-2	3835-2	1/2	32 7/32										
3845-2	3845-2	1/2	32 7/32										
3925-2	3845-2-2901	1/2	33 1/2										
3935-2	509-2-2900	.586	30 27/32										
509-1	3935-2-2901	.563	30 27/32										
509-1	509-1-2900	33/64	33/64	509-1-2901	8 1/8	509-1-2903	15					509-1-2906	16
3935-1	3935-1-2901	.563	33/64	509-1-2901	8 1/8	3935-1-2903	15 1/32					3935-1-2906	16 1/32

PARTS IDENTIFICATION SPECIFICATIONS (continued)

MODEL	DRIVESHAFT NUMBER	DRIVESHAFT LENGTH	BREAKER POINT		CONDENSER		P.S.I. COMPRESSION
			PART NO.	MFG. NO.	PART NO.	MFG. NO.	
3375	3345-2901	27 53/64	1355-134	FG-1573C	5010-115	FG-471B	70-85
3875	3845-2901	27 1/2	3845-113	X7467	3745-115	X 9182	100-115
3975	3965-2901	27 31/32	509-113	X7345	463-115	X 5463	90-105
3675	3645-2901	29 9/16	3665-134	FG-2546	3675-115	FG-2727	105-120

PARTS IDENTIFICATION SPECIFICATIONS (continued)

MODEL	DRIVESHAFT NUMBER	DRIVESHAFT LENGTH	PART NO.	BREAKER POINT		PART NO.	CONDENSER		P.S.I. COMPRESSION
				MFG. NO.			MFG. NO.		
3935	3935-2901	24 27/32 ± .010	509-113	X 7345		463-115	X 5463		
3045	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C		5010-115	FG-471B		
3745	3745-2901	26 3/4	3845-113	X 7467		3745-115	X 9182		
3345	3345-2901	27 53/64	1355-134	FG-1573C		5010-115	FG-471B		
3845	3845-2901	27 1/2	3845-113	X 7467		3745-115	X 9182		
3945	3945-2901	24 27/32 ± .010	509-113	X 7345		3745-115	X 9182		
3055	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C		5010-115	FG-471B	65-85	
3755	3745-2901	26 3/4	3845-113	X 7467		3745-115	X 9182	70-85	
3355	3345-2901	27 53/64	1355-134	FG-1573C		5010-115	FG-471B	65-85	
3855	3845-2901	27 1/2	3845-113	X 7467		3745-115	X 9182	100-115	
3955	3945-2901	24 27/32 ± .010	509-113	X 7345		3745-115	X 9182	90-105	
3655	3645-2901	29 9/16	3655-134	FG 2331		3655-115	FG-2111	100-115	
3065	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C		5010-115	FG-471B	65-85	
3765	3745-2901	26 3/4	3845-113	X 7467		3745-115	X 9182	70-85	
3365	3345-2901	27 53/64	1355-134	FG-1573C		5010-115	FG-471B	65-85	
3865	3845-2901	27 1/2	3845-113	X 7467		3745-115	X 9182	100-115	
3965	3965-2901	27 31/32	509-113	X 7345		463-115	X 5463	90-105	
3665	3645-2901	29 9/16	3665-134	FG-2546		3655-115	FG-2111	100-115	
3075	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C		5010-115	FG-471B	65-85	
3775	3745-2901	26 3/4	3845-113	X 7467		3745-115	X 9182	70-85	

PARTS IDENTIFICATION SPECIFICATIONS (continued)

MODEL	DRIVESHAFT NUMBER	DRIVESHAFT LENGTH	PART NO.	BREAKER POINT MFG. NO.	PART NO.	CONDENSER		P. S. I. COMPRESSION
						MFG. NO.	MFG. NO.	
518	508-2900	26 9/16 ± .010	513-113(late)	X 7500	463-115	X 5463		
5180					463-115	X 5463		
509	509-2901,3,4,7	24.0 ± .010	503-113	X 7120	463-115	X 5463		
510	480-2900	25 1/2 ± 1/32	503-113	X 7120	463-115	X 5463		
511	501-2900	25 7/16 ± .010	513-113	X 7500	463-115	X 5463		
517	501-2900	25 7/16 ± .010	503-113(early)	X 7120	463-115	X 5463		
517	501-2900	25 7/16 ± .010	513-113(late)	X 7500	463-115	X 5463		
513	503-2900	26 19/32 ± .010	503-113(early)	X 7120	463-115	X 5463		
513	503-2900	26 19/32 ± .010	513-113(late)	X 7500	463-115	X 5463		
519	509-2901,6	24.0 ± .010	503-113	X 7120	463-115	X 5463		
3925	3925-2901,6	23 7/32 ± .020	509-113	X 7345	463-115	X 5463		
3025	480-2900	25 1/2 ± 1/32	513-113	X 7500	463-115	X 5463		
3725	3725-2901	25 35/64 ± .020	513-113	X 7500	463-115	X 5463		
	3325-2904,7	25 35/64 ± .040	513-113	X 7500	463-115	X 5463		
3325	3325-2901,4,7	25 31/64 ± .020	1355-134	FG-1573C	5010-115	FG-471B		
	3325-2901,4,7	25 31/64 ± .040	1355-134	FG-1573C	5010-115	FG-471B		
3825	508-2901	26 9/16 ± .010	513-113	X 7500	463-115	X 5463		
3035	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C	5010-115	FG-471B		
3735	3735-2901	25 17/32	513-113	X 7500	463-115	X 5463		
3335	3335-2901	26 45/64	1355-134	FG-1573C	5010-115	FG-471B		
3835	3835-2901	26 7/32	513-113	X 7500	463-115	X 5463		

PARTS IDENTIFICATION SPECIFICATIONS

MODEL	DRIVESHAFT NUMBER	DRIVESHAFT LENGTH	PART NO.		MFG. NO.	CONDENSER PART NO.	CONDENSER MFG. NO.	P.S.I. COMPRESSION
			PART NO.	BREAKER POINT				
461	463-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
467	463-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
467	463-2900	25 1/2 ± 1/32	470-113(Eis)	24-820	470-115	X 5463		
470	463-2900	25 1/2 ± 1/32	476-134 Phelon	F-307	476-115 Phelon	FR-216		
470	463-2900	25 1/2 ± 1/32	470-113 (Eis)	24-820	470-115(Eis)	FR-216		
471	463-2900	25 1/2 ± 1/32	470-113(Eis)	24-820	470-115(Eis)	FR-216		
473	465-2900	26 9/16 - 1/32	463-113	X 5460-F	463-115	X 5463		
480	480-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
481	480-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
483	483-2900	26 9/16 ± 1/32	463-113	X 5460-F	463-115	X 5463		
491	491-2900	25 7/16 ± .010	463-113	X 5460-F	463-115	X 5463		
497	491-2900	25 7/16 ± .010	463-113	X 5460-F	463-115	X 5463		
493	493-2900	26 19/32 ± .010	463-113	X 5460-F	463-115	X 5463		
500	480-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
501	501-2900	25 7/16 ± .010	503-113	X 7120	463-115	X 5463		
507	501-2900	25 7/16 ± .010	463-113(early)	X 5460-F	463-115	X 5463		
507	501-2900	25 7/16 ± .010	503-113(late)	X 7120	463-115	X 5463		
503	503-2900	26 19/32 ± .010	503-113	X 7120	463-115	X 5463		
518	503-2900	26 19/32 ± .010	503-113(early)	X 7120	463-115	X 5463		

CRANKSHAFT SIZE CHART

MODEL	PART NO.	TOP JOURNAL	CENTER JOURNAL	BOTTOM JOURNAL	CRANK PIN.
461,467,470,471					
480,481,491,500					
501,510,511,3025					
3035,3045,3055					
3065,3075	463-1851	.7505-.7495	none	.7818-.7808	.6301-.6296
473,483,493,503					
513	465-1851	.7505-.7495	.7600-.7590	.7705-.7695	.6301-.6296
497,507,517	497-1851	.8750-.8745	.8755-.8745	.7500-.7495	.6872-.6867
518	508-1851	.8750-.8745	.8750-.8745	.8750-.8745	.7503-.7498
509,519,3925 Early	509-1851	1.000-.9996	.9977-.9973	1.000-.9996	.7497-.7493
3725	3725-1851	.8750-.8745	.8755-.8745	.7500-.7495	.6872-.6867
3325	3325-1851	.7500-.7495	.7595-.7590	.7700-.7695	.6301-.6296
3825	3825-1851	.8750-.8745	.8750-.8745	.8750-.8745	.7498-.7493
3925 Late,3935 Early	3925-1851	1.000-.9996	1.000-.9996	1.000-.9996	.7497-.7493
3735,3745,3755					
3765,3775	3735-1851	.8750-.8745	.8750-.8745	.7500-.7495	.6301-.6296
3335,3345,3355					
3365,3375	3335-1851	.7505-.7495	.7660-.7590	.7705-.7695	.6301-.6296
3835,3845,3855					
3865,3875	3835-1851	.8750-.8745	.8750-.8745	.8750-.8745	.7498-.7493
3935 Late	3935-1851	1.000-.9996	1.000-.9995	1.000-.9996	.7498-.7493
3945,3955,3965					
3975	3945-1851	1.000-.9996	1.000-.9995	1.000-.9995	.7498-.7493
3655,3665	3645-1851	1.125-.1.1245	1.125-.1.1245	1.125-.1.1245	1.187-.1.1870
3675	3675-1851	1.125-.1.1245	1.125-.1.1245	1.125-.1.1245	1.1875-.1.1870

CLEARANCE SPECIFICATIONS (continued)

MODEL	AT SKIRT		CRANKSHAFT		CONNECTING ROD		DRIVESHAFT		GEAR HOUSING		PROP ON SHAFT
	CYL. & PISTON	UPPER	CENTER	LOWER	PIN END	UPPER	LOWER	CAP	SHAFT		
3765	.002-.0035	Roller	.004-.0055	Roller	.001-.00025	.001-.00025	.001-.00025	.001-.0025	.001-.0025	.001-.005	
3365	.0021-.0036	.0005-.0025	.001-.003	.0005-.0025	.001-.00025	Roller	.001-.0025	.001-.0025	.001-.005		
3865	.0015-.003	Roller	.004-.0055	Roller	.001-.0003	Roller	Ball	.001-.005			
3965	.004-.0055	Roller	Roller	Roller	.001-.0003	Roller	Ball	.0035-.006	.001-.0055		
3665	.005-.0065	Roller	Roller	Roller	.0002-.0008 Interference	.0025-.004	Roller	.0015-.004	.0027-.0051		
3075	.002-.0035	.0005-.0025	none	.0005-.0025	.001-.00025	.001-.0025	.001-.0025	.001-.0025	.0015-.0045		
3775	.002-.0035	Roller	.004-.0055	Roller	.001-.00025	.001-.0025	.001-.0025	.001-.005			
3375	.0021-.0036	.0005-.0025	.001-.003	.0005-.0025	.001-.00025	Roller	.001-.0025	.001-.005			
3875	.0015-.003	Roller	.004-.0055	Roller	.001-.0003	Roller	Ball	.001-.005			
3975	.004-.0055	Roller	Roller	Roller	.001-.0003	Roller	Ball	.0035-.006	.001-.0055		
3675	.005-.0065	Roller	Roller	Roller	.0002-.00085 Interference	.0025-.004	Roller	.0015-.004	.0027-.0051		

CLEARANCE SPECIFICATIONS

MODEL	AT SKIRT		CRANKSHAFT		CONNECTING ROD		DRIVESHAFT		GEAR HOUSING		PROP ON SHAFT
	CYL. & PISTON	UPPER	CENTER	LOWER	PIN END	UPPER	LOWER	CAP	SHAFT		
461 & 467	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
470 & 471	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
473	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
480 & 481	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
483	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
491	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	Roller	001-0025	001-0025	0015-0045	
497	002-0035	Roller	001-003	Roller	001-00025	001-0025	Roller	001-0025	001-0025	0015-0045	
493	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	Roller	001-0025	001-0025	0015-0045	
500	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
501	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	Roller	001-0025	001-0025	0015-0045	
507	002-0035	Roller	001-003	Roller	001-00025	001-0025	Roller	001-0025	001-0025	0015-0045	
503	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	Roller	001-0025	001-0025	0015-0045	
518 & 5180	0015-003	Roller	0015-0035	Roller	001-0003	Roller	Roller	Roller	Roller	0015-0045	
509	004-0055	Roller	Roller	Roller	Needle	Roller	Roller	Roller	Roller	0015-0045	
510	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
511	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	Roller	Roller	Roller	0015-0045	
517	002-0035	Roller	001-003	Roller	001-00025	Roller	Roller	Roller	Roller	0015-0045	
513	0021-0036	0005-0025	001-003	0005-0025	001-00025	Roller	Roller	Roller	Roller	0015-0045	
519 & 3925	004-0055	Roller	Roller	Roller	Needle	Roller	Roller	Roller	Roller	0015-0045	
3025	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	

CLEARANCE SPECIFICATIONS (continued)

MODEL	AT SKIRT CYL. & PISTON		CRANKSHAFT CENTER		CONNECTING ROD PIN END		DRIVESHAFT UPPER		LOWER	GEAR HOUSING CAP		PROP ON SHAFT
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER		UPPER	LOWER	
3725	002-.0035		001-.003	Roller	001-.00025	Roller	Roller					
3325	0021-.0036		0015-.003	001-.0025	001-.00025	Roller	001-.0025	Roller				
3825	0015-.003		0015-.0035	Roller	001-.0003	Roller	Roller					0015-0045
3035	002-.0035		none	0005-.0025	001-.00025	001-.0025	001-.0025	Roller				
3735	002-.0035		0015-.003	Roller	001-.00025	Roller	001-.0025	Roller				
3335	0021-.0036		001-.003	0005-.0025	001-.00025	001-.0025	001-.0025	Roller				
3835	0015-.003		004-.0055	Roller	001-.0003	Roller	Roller	Roller				
3935	004-.0055		Roller	Roller	001-.0003	Roller	Roller	Roller				
3045	002-.0035		none	0005-.0025	001-.00025	001-.0025	001-.0025	Roller				0015-0045
3745	002-.0035		0015-.003	Roller	001-.00025	Roller	001-.0025	Roller				
3345	0021-.0036		001-.003	0005-.0025	001-.00025	Roller	001-.0025	Roller				
3845	0015-.003		004-.0055	Roller	001-.0003	Roller	Roller	Roller	Ball			004-0095
3945	004-.0055		Roller	Roller	001-.0003	Roller	Roller	Roller	Ball			
3055	002-.0035		none	0005-.0025	001-.00025	001-.0025	001-.0025	Roller				0015-0045
3755	002-.0035		004-.0055	Roller	001-.00025	Roller	001-.0025	Roller				
3355	0021-.0036		001-.003	0005-.0025	001-.00025	Roller	001-.0025	Roller				
3855	0015-.003		004-.0055	Roller	001-.0003	Roller	Roller	Roller	Ball			
3955	004-.0055		Roller	Roller	001-.0003	Roller	Roller	Roller	Ball			001-0045
3655	005-.0065		Roller	Roller	0002-.0008 Interference	0025-.004	Roller	Roller	Roller			0015-004 0027-0051
3065	002-.0035		0005-.0025	none	001-.00025	001-.0025	001-.0025	Roller				0015-0045

CLEARANCE SPECIFICATIONS (continued)

MODEL	AT SKIRT CYL. & PISTON	CRANKSHAFT UPPER - CENTER - LOWER	CONNECTING ROD PIN END	DRIVESHAFT UPPER	GEAR HOUSING LOWER	CAP	PROP ON SHAFT
3725	002-.0035	Roller	001-003	Roller	001-00025	Roller	
3325	0021-.0036	001-0025	0015-003	001-0025	001-00025	001-0025	Roller
3825	0015-.003	Roller	0015-.0035	Roller	001-0003	Roller	Roller
3035	002-.0035	0005-0025	none	0005-.0025	001-00025	001-0025	001-0025
3735	002-.0035	Roller	0015-003	Roller	001-00025	001-0025	Roller
3335	0021-.0036	0005-0025	001-003	0005-.0025	001-00025	001-0025	Roller
3835	0015-003	Roller	004-0055	Roller	001-0003	Roller	Roller
3935	004-.0055	Roller	Roller	Roller	001-0003	Roller	Roller
3045	002-.0035	0005-0025	none	0005-.0025	001-00025	001-0025	001-0025
3745	002-.0035	Roller	0015-003	Roller	001-00025	001-0025	001-0025
3345	0021-.0036	0005-0025	001-003	0005-.0025	001-00025	Roller	001-0025
3845	0015-.003	Roller	004-.0055	Roller	001-0003	Roller	Ball
3945	004-.0055	Roller	Roller	Roller	001-0003	Roller	Ball
3055	002-.0035	0005-0025	none	0005-.0025	001-00025	001-0025	001-0025
3755	002-.0035	Roller	004-.0055	Roller	001-00025	001-0025	001-0025
3355	0021-.0036	0005-0025	001-003	0005-.0025	001-00025	Roller	001-0025
3855	0015-.003	Roller	004-0055	Roller	001-0003	Roller	Ball
3955	004-.0055	Roller	Roller	Roller	001-0003	Roller	Ball
3655	005-.0065	Roller	Roller	Roller	0002-0008	0025-004	Roller
3065	002-.0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025

Interference

CLEARANCE SPECIFICATIONS

MODEL	AT SKIRT CYL. & PISTON	UPPER	CRANKSHAFT CENTER	LOWER	CONNECTING ROD PIN END	UPPER	DRIVESHAFT UPPER	LOWER	GEAR HOUSING CAP	PROP ON SHAFT
461 & 467	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
470 & 471	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
473	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
480 & 481	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
483	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
491	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
497	002-.0035	Roller	001-.003	Roller	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
493	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
500	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
501	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
507	002-.0035	Roller	001-.003	Roller	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
503	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
518 & 5180	0015-.003	Roller	0015-.0035	Roller	001-.0003	Roller	Roller	Roller	001-.002	0015-.0045
509	004-.0055	Roller	Roller	Roller	Needle	Roller	Roller	Roller	001-.002	0015-.0045
510	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
511	002-.0035	0005-.0025	none	0005-.0025	001-.00025	Roller	Roller	Roller	001-.002	0015-.0045
517	002-.0035	Roller	001-.003	Roller	001-.00025	Roller	Roller	Roller	001-.002	0015-.0045
513	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	Roller	Roller	Roller	001-.002	0015-.0045
519 & 3925	004-.0055	Roller	Roller	Roller	Needle	Roller	Roller	Ball	001-.002	0015-.0045
3025	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045

SCOTT-ATWATER SPECIFICATIONS (continued)

MODEL	YEAR	NO. CYLS.	BORE & STROKE	H.P.	R.P.M.	SPARK PLUG
						Champion
3835	1953	2	2 11/64 x 2	10 0	4200	HT-10J
3935	1953	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3045	1954	1	2 1/8 x 1 3/4	3.6	4000	H-10J
3745	1954	2	1 11/16 x 1 43/64	5.0	4200	H-10J
3345	1954	2	2 x 1 3/4	7.5	4200	H-10J
3845	1954	2	2 11/64 x 2	10.0	4200	HT-10J
3945	1954	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3055	1955	1	2 1/8 x 1 3/4	3 6	4000	H-10J
3755	1955	2	1 11/16 x 1 43/64	5.0	4200	H-10J
3355	1955	2	2 x 1 3/4	7.5	4200	H-10J
3855	1955	2	2 11/64 x 2	10.0	4200	HT-10J
3955	1955	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3655	1955	2	3 1/16 x 2 3/4	30 0	4200	J6J
3065	1956	1	2 1/8 x 1 3/4	3.6	4000	H-10J
3765	1956	2	1 11/16 x 1 43/64	5.0	4200	H-10J
3365	1956	2	2 x 1 3/4	7.5	4200	H-10J
3865	1956	2	2 11/64 x 2	10 0	4200	HT-10J
3965	1956	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3665	1956	2	3 1/8 x 2 3/4	33 0	4200	J6J
3075	1957	1	2 1/8 x 1 3/4	3 6	4000	H-10J
3775	1957	2	1 11/16 x 1 43/64	5.0	4200	H-10J
3375	1957	2	2 x 1 3/4	7.5	4200	H-10J
3875	1957	2	2 11/64 x 2	10.0	4200	HT-10J
3975	1957	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3675	1957	2	3 1/8 x 2 3/4	40 0	4800	J6J
3675-5 (Royal Scott)	1957	2	3 1/8 x 2 3/4	40.0	4800	J6J

SCOTT-ATWATER SPECIFICATIONS

MODEL	YEAR	NO. CYLS.	BORE & STROKE	H.P.	R.P.M.	SPARK PLUG
461 & 467	1946	1	2 1/8 x 1 3/4	3.5	4000	Champion H-10J
470 & 471	1947	1	2 1/8 x 1 3/4	3.5	4000	H-10J
473	1947	2	2 x 1 3/4	7.5	4200	H-10J
480 & 481	1948	1	2 1/8 x 1 3/4	3.6	4000	H-10J
483	1948	2	2 x 1 3/4	7.5	4200	H-10J
491	1949	1	2 1/8 x 1 3/4	4.0	4200	H-10J
497	1949	2	1 11/16x1 43/64	5.0	4200	H-10J
493	1949	2	2 x 1 3/4	7.5	4200	H-10J
500	1950	1	2 1/8 x 1 3/4	3.6	4000	H-10J
501	1950	1	2 1/8 x 1 3/4	4.0	4200	H-10J
507	1950	2	1 11/16x1 43/64	5.0	4200	H-10J
503	1950	2	2 x 1 3/4	7.5	4200	H-10J
518 (1-25MPH)	1950	2	2 1/8 x 2	10.0	4200	H-10J
509 (1-30MPH)	1950	2	2 11/32x 2 5/16	16.0	4200	H-10J
510 (1-12MPH)	1951	1	2 1/8 x 1 3/4	3.6	4000	H-10J
511 (1-14MPH)	1951	1	2 1/8 x 1 3/4	4.0	4200	H-10J
517 (1-16MPH)	1951	2	1 11/16x1 43/64	5.0	4200	H-10J
513 (1-20MPH)	1951	2	2 x 1 3/4	7.5	4200	H-10J
5180 (1-25MPH)	1950	2	2 1/8 x 2	10.0	4200	H-10J
519 (1-30MPH)	1951	2	2 11/32x 2 5/16	16.0	4200	5MJ
3025	1952	1	2 1/8 x 1 3/4	3.6	4000	H-10J
3725 (1-16 Shift)	1952	2	1 11/16x1 43/64	5.0	4200	H-10J
3325 (1-20Shift)	1952	2	2 x 1 3/4	7.5	4200	H-10J
3825 (1-25 Shift)	1952	2	2 1/8 x 2	10.0	4200	HT-10J
3925 (1-30 Shift)	1952	2	2 11/32x 2 5/16	16.0	4200	H-10J
3035 (1-12)	1953	1	2 1/8 x 1 3/4	3.6	4000	H-10J
3735	1953	2	1 11/16x1 43/64	5.0	4200	H-10J
3335	1953	2	2 x 1 3/4	7.5	4200	H-10J

WEST BEND
West Bend Aluminum Co.
West Bend, Wisc.

Year	Model	Serial No.	FOB	Cash Value
1955	160211		\$125.00	
1 Cyl; B&S 1 $\frac{3}{4}$ " x 1-9/16"; P. Disp. 3.90; HP 2.0; Prop. dia. & pitch 6 $\frac{1}{2}$ " x 4"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J; Shear Pin None; Wt. 39 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. 5 pts; Run. time full tank 2 hrs; Air cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1955	160571		\$185.00	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.60; HP 5.0 @ RPM; Prop. dia. & pitch 7 $\frac{1}{2}$ " x 6 $\frac{3}{4}$ "; 2 Bl; C. P. Gap .020; S. P. Champ; Shear Pin 5/32" x 1" stain; Wt. 56 $\frac{1}{2}$ lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 8.3 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin Waterproof Automatic Rewind starter.				
1955	160772		\$215.00	
2 Cyl; B&S 2 $\frac{1}{8}$ " x 1-11/16"; P. Disp. 11.97; HP 7.5; Prop. dia. & pitch 7 $\frac{1}{2}$ " x 8"; 2 Bl; C. P. Gap .020; S. P. Champ; Shear Pin 5/32" x 1" stain; Wt. 57 $\frac{1}{2}$ lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.				
1956	160211		\$125.00	
1 Cyl; B&S 1 $\frac{3}{4}$ " x 1-9/16"; P. Disp. 3.90; HP 2 @ 4000 RPM; Prop. dia. & pitch 6 $\frac{1}{2}$ " x 4"; 2 Bl; C. P. Gap .020; S. P. J11J Gap .035; Wt. 29 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 7 pts.; Run. time full tank 2 hr.; Air cooled; Gear lub. Under Water Grease; Automatic Rewind starter.				
1956	160501		\$220.00	
2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.60; HP 5 $\frac{1}{2}$ @ 4000 RPM; Prop. dia. & pitch 7 $\frac{1}{2}$ " x 7"; 2 Bl; C. P. Gap .020; S. P. 119J Gap .035; Shear Pin 5/32" x 1"; Wt. 54 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 36 pts.; Run. time full tank 4 $\frac{1}{4}$ hr.; Water cooled; Gear lub. Under Water Grease; Automatic Rewind starter.				
1956	160701		\$235.00	
2 Cyl; B&S 2 $\frac{1}{8}$ " x 1-11/16"; P. Disp. 11.97; HP 7 $\frac{1}{2}$ @ 4000 RPM; Prop. dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. H8J Gap .035; Shear Pin 5/32" x 1"; Wt. 54 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 36 pts.; Run. time full tank 3 $\frac{1}{4}$ hr.; Water cooled; Gear lub. Under Water Grease; Automatic Rewind starter.				
1956	160902		\$340.00	
2 Cyl; B&S 2 $\frac{3}{8}$ " x 2"; P. Disp. 17.74; HP 12 @ 4000 RPM; Prop. dia. & pitch 8 $\frac{1}{2}$ " x 8"; 3 Bl; C. P. Gap .020; S. P. H8J Gap .035 Shear Pin 3/16" x 1 $\frac{1}{4}$ " Brass; Wt. 60 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. Under Water Grease; Automatic Rewind starter.				
1956	1609403		\$450.00	
2 Cyl; B&S 3" x 2-2/3"; P. Disp. 37.71; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{3}{4}$ " x 11 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. H8J Gap .035; Shear Pin $\frac{1}{4}$ " x 1 $\frac{3}{8}$ "; Wt. 118 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 $\frac{1}{2}$ hr.; Water cooled; Gear lub. Under Water Grease; Automatic Rewind or Electric starter.				