

12S12, 12S13 Applications

**This Parts Book Covers the Following
Motors Manufactured by Gale Products**

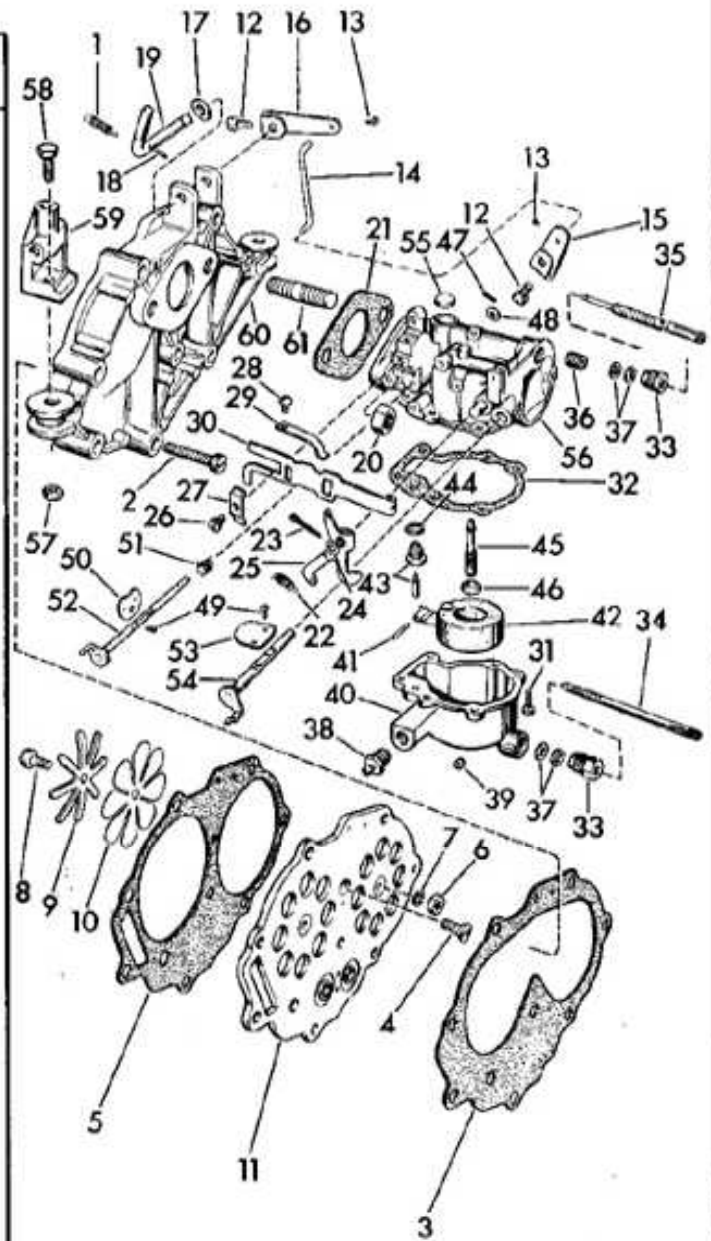
Montgomery Ward "Sea King"

GG-9016B	1956	12S12
GG-9016C	1957	12S13

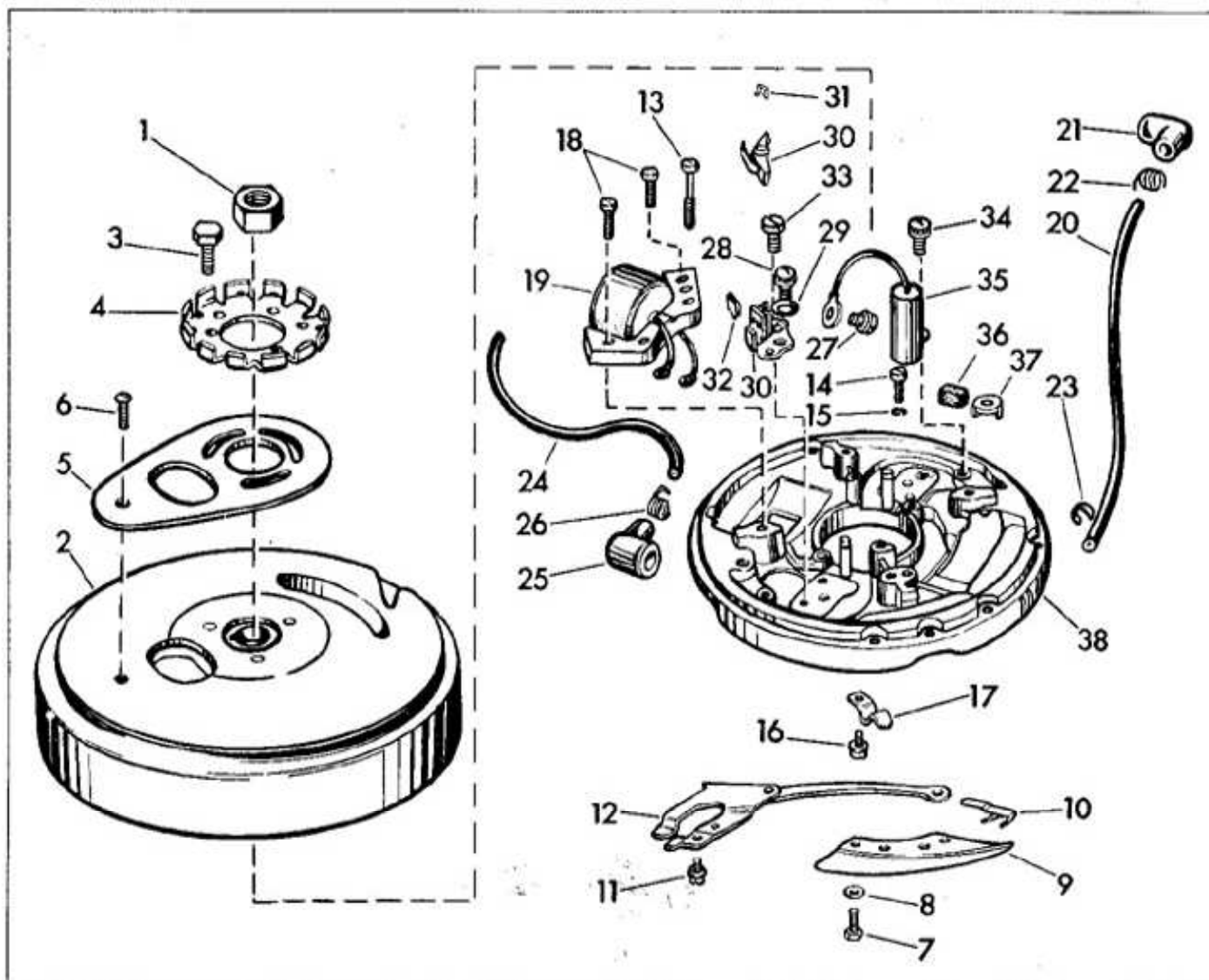
Gale Products "Buccaneer"

12S12B	1956	12S12
12S13B	1957	12S13

Ref. No.	Part No.	Description
1	203276	Spring - Cam Follower
2	130618	Screw - Manifold to Crankcase
3	552182	Gasket - Leaf Plate to Manifold
4	302104	Screw - Leaf Plate to Crankcase
5	552180	Gasket - Leaf Plate to Crankcase
6	591360	Leaf Plate Assy
7	85-64	Nut - Leaf to Leaf Plate Screw
8	71-1487	Washer - Lock
9	301858	Screw - Leaf Attaching
10	203234	Stop - Leaf
11	203246	Leaf - Carburetor
12	203267	Plate - Leaf
13	304572	Screw - Throttle Shaft and Cam Follower Arms
14	41-110	Pin - Retaining
15	552196	Link - Throttle Shaft Arm to Cam Follower Arm
16	376724	Arm - Throttle Shaft (Under Carburetor) (Incl. Item #12)
17	376728	Cam Follower and Screw Assy (Incl. Item #12)
18	303048	Washer - Cam Follower
19	41-163	Pin - Cotter
20	203274	Follower - Throttle Cam
21	7-46	Nut - Carburetor
22	203237	Gasket - Manifold to Carburetor Carburetor Assy
23	303529	Spring - Bell Crank Choke Lever
24	41-163	Pin - Cotter, Bell Crank
25	85-54	Washer - Bell Crank
26	303144	Crank - Choke Bell
27	131249	Screw - Choke Rod Bracket
28	303117	Bracket - Choke Rod
29	302430	Screw - Spring to Carburetor Body
30	303132	Spring - Choke Control Rod
31	303143	Rod - Choke Control
32	71-1589	Screw - Float Chamber to Carburetor Body
33	302994	Gasket - Float Chamber to Carburetor Body (Part of #56)
34	300179	Nut - High and Low Speed Valves
35	303159	Valve - Needle, High Speed
36	303945	Valve - Needle, Low Speed (Part of #56)
37	303947	Bushing
38	43-123	Packing - High and Low Speed Valves (Part of #56)
39	303492	Nipple - Float Chamber
40	303041	Screw - Float Drain
41	303493	Chamber - Float
42	300096	Pin - Hinge, Float Arm
43	375919	Float and Float Arm
44	376137	Float Valve and Seat Assy
45	303494	Washer - Float Valve Seat
46	303496	Nozzle - High Speed
47	302984	Gasket - Float Chamber to Carburetor Body Boss
48	303049	Pin - Cotter, Throttle Shaft
49	303048	Washer - Throttle Shaft

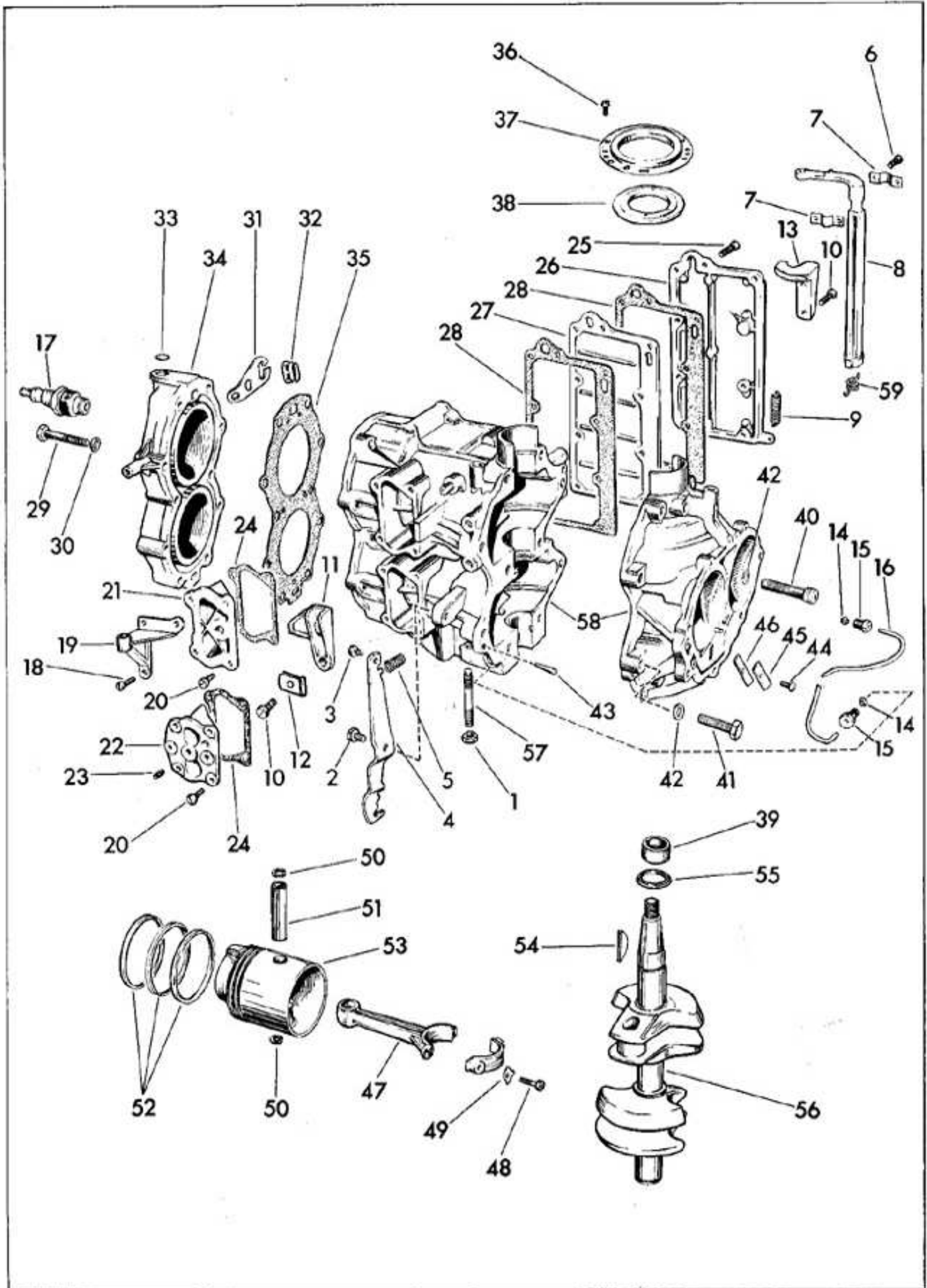


Ref. No.	Part No.	Description
49	303760	Screw - Throttle and Choke Valves
50	303495	Valve - Throttle
51	303765	Spring - Throttle Shaft
52	376133	Throttle Shaft and Lever Assy
53	303126	Valve - Choke
54	375993	Choke Shaft and Lever Assy
55	202310	Plug - Expansion
56	591334	Carburetor Body and Bell Crank Shaft Assy
57	15-254	Nut - Tank Bracket
58	302288	Screw - Gas Tank Support to Manifold
59	552200	Bracket - Gas Tank Support
60	277226	Manifold and Stud Assy
61	302822	Stud - Manifold to Carburetor



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	301988	Nut - Flywheel	19	580118	. . . . . Coil and Lamination Mounting
2	580214	Flywheel and Cover Assy	20*	591336	. . . . . High Tension Lead Assy - Upper
3	302468	Screw - Starter	21	510232	. . . . . Cover - Rubber, Spark Plug
4	202111	Ratchet - Starter	22	510231	. . . . . Terminal - Spring Lead
5	510292	Cover - Inspection Hole (Part of Item 2)	23	120783	. . . . . Marker
6	510293	Screw - Cover to Flywheel (Part of Item 2)	24*	591337	. . . . . High Tension Lead Assy - Lower
7	302750	Screw - Throttle Cam	25	510232	. . . . . Cover - Roller, Spark Plug
8	300154	Washer - Throttle Cam Screw	26	510231	. . . . . Terminal - Spring Lead
9	203277	Cam - Throttle Control	27	510194	. . . . . Screw - Breaker Terminal
10	303146	Clip - Spring Armature Plate Link	28	510278	. . . . . Screw - Breaker Mounting
11	510193	Screw - Shifter Lock Stop	29	510208	. . . . . Washer - Bow
12	375995	Link and Stop Assy	30	580148	. . . . . Breaker Assy
	580207	Armature Plate Assy	31	71-1052	. . . . . Clip - Spring
13	510191	. . . . . Screw - Armature Plate Mounting	32	510204	. . . . . Clip - Spring Breaker
14	510192	. . . . . Screw - Armature Plate Mounting	33	510185	. . . . . Screw - Breaker Eccentric
15	3-28	. . . . . Washer - Lock	34	510193	. . . . . Screw - Condenser Mounting
16	510193	. . . . . Screw - High Tension Lead Mounting	35	510173	. . . . . Condenser
17	510190	. . . . . Clamp - High Tension Lead	36	510189	. . . . . Wick - Oiler
18	510195	. . . . . Screw - Lamination Mounting	37	510188	. . . . . Clip - Oiler (PART OF ITEM 2)
			38	580210	. . . . . Armature Plate and Post Assy

*USE ON 12S12 MOTOR SERIES AND MOTOR SERIES PREVIOUS TO 12S12. FOR 12S13 AND 12S14 MOTOR SERIES, USE THE FOLLOWING:



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	7-46	Nut - Flange to Cylinder Stud . .	31	300455	Anchor - Ignition Lead
2	302592	Screw - Shift Lock to Cylinder .	32	300454	Grommet - Ignition Lead
3	203453	Bumper - Shift Lock	33	202310	Plug - Expansion, 1/2 in.
4	203245	Lock - Shift	34	591217	Cylinder Head and Core Plug Assy (Incl. #33)
5	302587	Spring - Shift Lock	35	552181	Gasket - Cylinder Head
*6	510193	Screw - Control Lever Bearing Clamp	36	304442	Screw - Armature Plate Support
7	303109	Clamp - Control Lever Bearing	37	303278	Support - Armature Plate
8	277315	Lever & Spring Assy (Incl. #59).	38	303277	Ring - Armature Plate Retaining
9	302827	Spring - High Tension Lead . .	39	510168	Cam - Magneto
10	51-47	Screw - Bracket	40	203249	Screw - Center, Crankcase to Cylinder (Part of Item 58) . . .
11	552222	Bracket - Shift Lock Guide . . .	41	25-242	Screw - Cylinder to Crankcase .
12	203285	Clip - Oil Line	42	15-212	Washer - Crankcase to Cylinder Screw (Part of Item 58)
13	552189	Bracket - Control Lever	43	300402	Pin - Taper (Part of Item 58) . .
14	11-61	Gland - Oil Line	44	19-191	Screw - Oil Drain Leaf Valve . .
15	41-105	Nut - Oil Line	45	203248	Plate - Leaf Valve Oil Drain . .
16	203288	Tubing - Oil Line	46	203235	Valve - Leaf, Crankcase Oil Drain
17	200322	Champion J6J Spark Plug	47	591333	Connecting Rod and Lockplate Assy
17	376290	Auto-Lite A3X Spark Plug	48	552183	Screw - Connecting Rod
18	43-110	Screw - Rear Bracket	49	552185	Lockplate - Connecting Rod . .
19	552202	Bracket - Gas Tank Support, Rear	50	120011	Ring - Spring, Piston Pin
20	43-259	Screw - Bypass Cover	51	552171	Pin - Piston
21	203253	Cover - Bypass, Upper	52	552172	Ring - Piston
22	552213	Cover - Bypass, Lower	53	591216	Piston and Dowel Pin Assy . . .
23	303125	Screw - Lower Bypass Cover Plug	54	120395	Key - Crankshaft
24	203259	Gasket - Bypass Cover to Cylinder	55	552173	Slinger - Oil
25	43-110	Screw - Exhaust Cover	56	552176	Crankshaft
26	552188	Cover - Exhaust	57	7-143	Stud - Flange to Cylinder, Long
27	203258	Plate - Baffle, Exhaust Cover .	58	591255	Cylinder and Crankcase Assy . .
28	203257	Gasket - Baffle Plate to Cylinder and Exhaust Cover	59	303725	Spring - Control Shaft to Throttle Gear
29	21-486	Screw - Cylinder Head			
30	15-212	Washer - Cylinder Head Screw .			

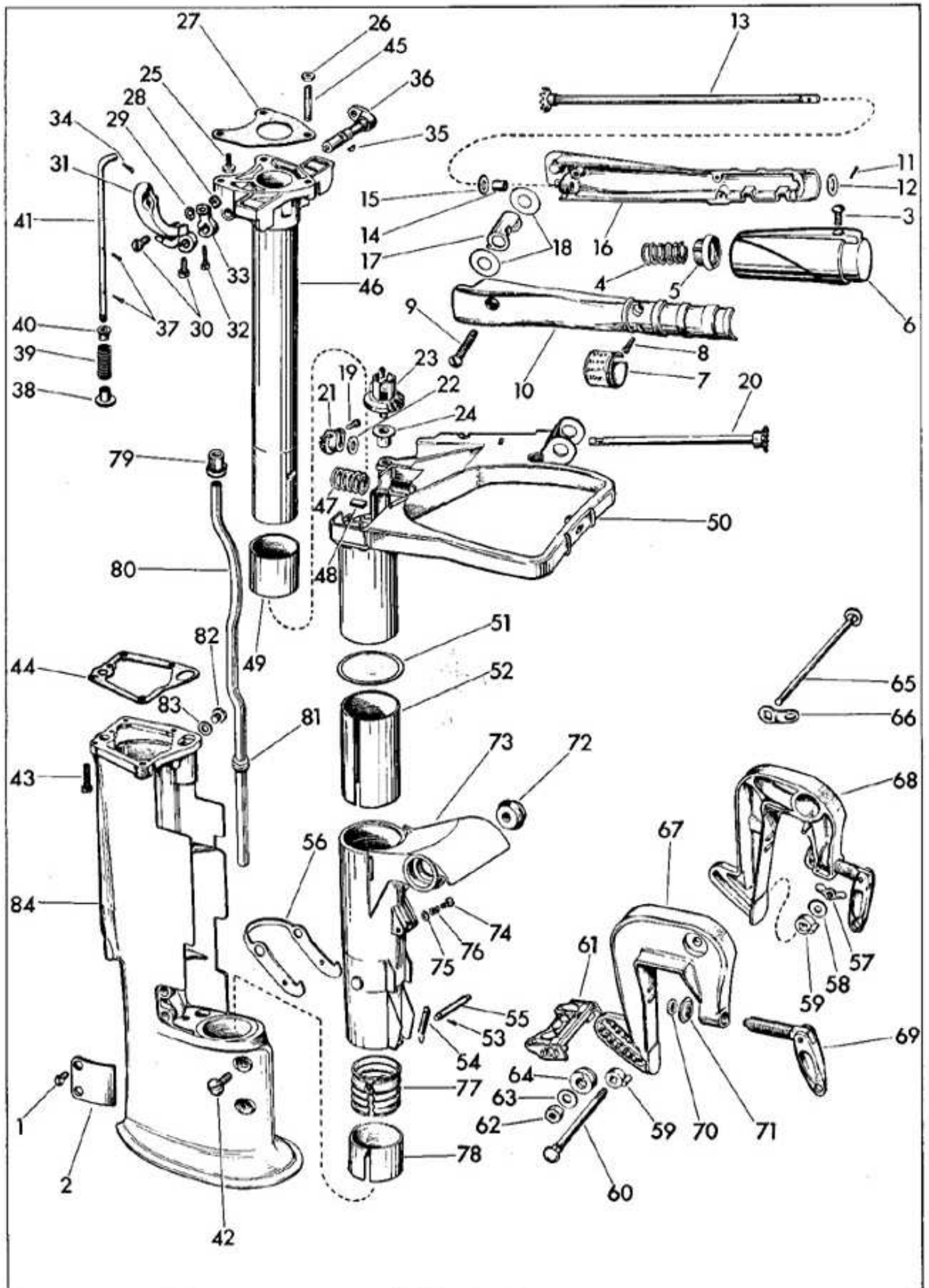
*USE ON 12S12 MOTOR SERIES AND MOTOR SERIES PREVIOUS TO 12S12. FOR 12S13 AND 12S14 MOTOR SERIES, USE THE FOLLOWING:

REF. NO. (6)

PART NO. 303737

MANIFOLD & BRACKET

Parts List



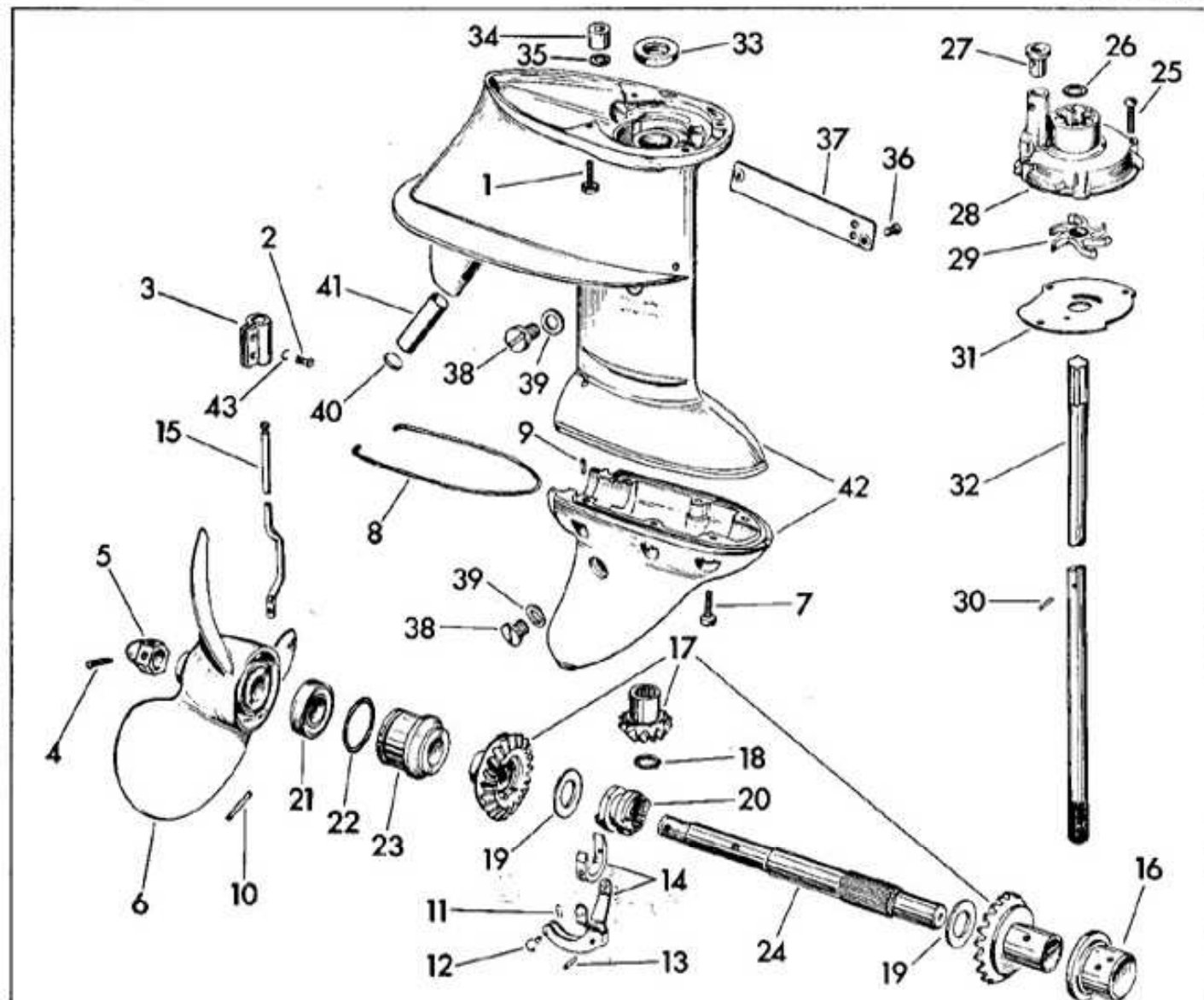
Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	303679	Screw - Exhaust Housing Cover Plate	44	303138	Gasket - Exhaust Tube
2	303135	Plate - Cover, Exhaust Housing	45	15-149	Stud - Flange to Powerhead, Short
3	302710	Screw - Twist Grip	46	375964	Flange and Drive Shaft Casing Assy
4	301656	Spring - Twist Grip	47	303077	Spring - Mounting, Powerhead to Lower Unit
5	303282	Block - Grip Friction	48	303076	Pad - Motor Mount
6	552209	Grip - Steering Handle	49	303075	Lining - Steering Bracket
7	203260	Plate - Throttle Control	50	375968	Steering Bracket and Bushing
8	133452	Screw - Steering Handle Halves	51	301892	Washer - Thrust, Swivel Bracket
9	303078	Screw - Steering Handle Halves	52	301893	Lining - Swivel Bracket
10	303093	Handle - Steering, Inner Half	53	301974	Pin - Cotter
11	300346	Pin - Groove, Gear and Shaft Assy	54	301898	Spring - Reverse Lock
12	303252	Washer - Steering Handle to Spring	55	301895	Rod - Reverse Lock
13	376691	Throttle Control Gear and Shaft Assy, Long	56	302518	Lever - Reverse Locking
†14	302717	Bushing - Steering Handle	57	41-59	Nut - Wing, Thrust Socket Bolt
†15	302712	Washer - Steering Handle	58	37-154	Washer - Thrust Socket Bolt
16	303094	Handle - Steering, Outer Half	59	301897	Plate - Lock, Stern Bracket
17	303096	Cover - Steering Handle Gears	60	303232	Bolt - Thrust Socket
18	303079	Washer - Steering Handle to Bracket	61	302519	Socket - Thrust
19	71-1352	Screw - Pinion	62	17-182	Nut - Tilting Shaft Bolt
*20	376689	Throttle Control Gear and Shaft Assy, Short	63	25-196	Washer - Tilting Shaft
21	303142	Pinion - Throttle Control	64	302051	Spring - Tilting Shaft
22	303107	Washer - Throttle Control Pinion Gear	65	301984	Bolt - Tilting Shaft
23	303141	Gear - Throttle Control	66	300364	Link - Safety Chain
24	303140	Bushing - Throttle Control	67	376034	Stern Bracket and Clamp Screw Assy - Starboard (Incl. Items 60, 69, 70, 71)
25	7-116	Screw - Flange to Cylinder, Short	68	375613	Stern Bracket and Clamp Screw Assy - Port (Incl. Items 69, 70, 71)
26	7-46	Nut - Flange to Powerhead	69	375742	Clamp Screw Assy
27	302232	Gasket - Flange to Powerhead	70	302420	Retainer - Swivel Plate
28	303189	Nut - Shift Handle Adj. Screw	71	41-48	Plate - Swivel Clamp Screw
29	51-137	Washer - Lock	72	301983	Washer - Conical, Tilting Shaft Swivel Bracket and Screw Assy
30	51-47	Screw - Gear Shift Handle Adjusting and Clamp	73	375635	Screw - Swivel Bracket
31	277223	Gear Shift Handle and Pin Assy	74	21-124	Washer - Swivel Bracket
32	43-110	Screw - Shift Handle Adjusting Lever Clamp	75	43-302	Spring - Swivel Bracket
33	203268	Lever - Shift Handle Adjusting	76	303562	Bushing - Rubber, Drive Shaft Casing
34	15-268	Pin - Cotter	77	301899	Spacer - Rubber Bushing
35	25-271	Key - Adjusting Lever to Shaft	78	301900	Grommet - Water Tube, Upper
36	375976	Shaft and Lever Assy	79	302497	Tube - Water
37	15-268	Pin - Cotter	80	303097	Grommet - Water Tube, Center Plug
38	301915	Sleeve - Reverse Lock	81	302498	Washer - Plug
39	301914	Spring - Shift Rod	82	27-283	Exhaust Housing and Screw Assy (Incl. Item 42)
40	301913	Sleeve - Shift Rod	83	27-284	Screw - Gear Shift Handle
41	303101	Rod - Shift, Upper	84	591258	Lockwasher
42	303136	Screw - Exhaust Housing Clamp	85	300258	
43	25-238	Screw - Powerhead Exhaust Housing	86	19-124	

*USE ON 12513 AND 12514 MOTOR SERIES ONLY. FOR 12512 MOTOR SERIES AND MOTOR SERIES PREVIOUS TO 12512, USE THE FOLLOWING:

REF. NO. (20)

PART NO. 376692

†ON 12514 SERIES, REF. NO. 15 DELETED. FOR REF. NO. 14, USE PART NO. 305100, BUSHING - STEERING HANDLE.



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	302510	Screw - Upper Gear Hsg. to Exhaust Hsg.	24*	302483	Shaft - Propeller
2	303927	Screw - Shift Rod Connector	25	302508	Screw - Impeller Hsg. to Upper Gear Hsg.
3	303794	Connector - Shift Rod	26	303067	"O" Ring - Drive Shaft to Crankshaft.
4	302381	Pin - Cotter	27	302497	Grommet - Water Tube, Lower
5	132477	Nut - Propeller	28	303070	Housing - Impeller
6*	277212	Propeller and Bushing	29	375038	Impeller - Water Pump
7	304070	Screw - Gear Housing	30	300771	Pin - Pump Impeller
8	302513	Seal - Upper to Lower Gear Case	31	303069	Plate - Impeller Housing
9	300611	Dowel - Front and Rear Bearing	32	303481	Shaft - Drive
10*	301923	Pin - Shear, Propeller	33	41-62	Seal - Drive Shaft
11	15-268	Pin - Cotter.	34	301878	Bushing - Shift Rod, Lower
12	302504	Pin - Yoke to Shift Rod	35	301877	"O" Ring - Lower Shift Rod Seal.
13	302501	Pin - Shift Lever Pivot	36	302509	Screw - Water Bypass Cover
14	376164	Cradle and Lever Assy	37	302505	Cover - Water Bypass
15	303098	Rod - Shift, Lower	38	27-283	Plug - Oil
16	302496	Bearing - Front	39	27-284	Washer - Oil Plug
17*	375844	Set of Gears (Incl. Item 18)	40	300314	Plug - Water Intake Screen
18	301883	Ring - Pinion Retaining	41	302757	Screen - Water Intake
19	301884	Washer - Thrust, Prop. Shaft	42*	375784	Housing - Gear, Upper and Lower (Incl. 7, 33, 34, 35, 38, 39)
20	375711	Clutch Dog Shifter Assy	43	302290	Lockwasher - Shift Rod Connecting Screw
21	302495	Seal - Propeller Shaft			
22	302493	"O" Ring - Gear Case Head			
23	375751	Gear Hsg. Head and Bearing Assy.			

32 *USE ON 12S12 MOTOR SERIES AND MOTOR SERIES PREVIOUS TO 12S12. FOR 12S13 USE THE FOLLOWING:

REF. NO. (6)

PART NO. 591925

REF. NO. (24)

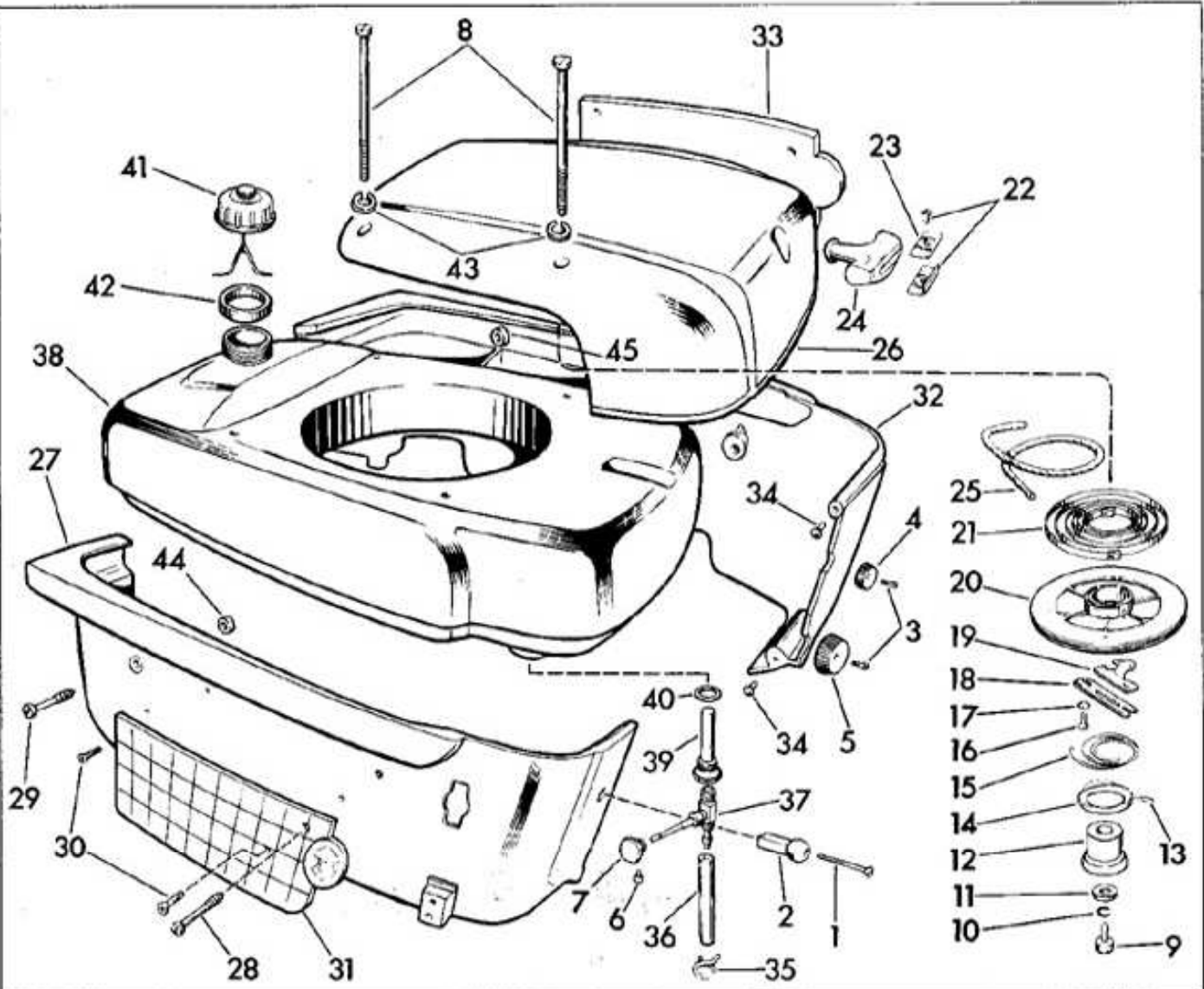
PART NO. 304255

(10)

203663

(42)

591989



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	552203	Screw - Choke Knob	24	551226	Handle - Starter
2	552204	Knob - Choke Control.	25	304096	Starter Rope
3	551517	Screw - Carburetor Knob	*26	591261	Starter Housing and Pin Assy
4	591279	Slow Speed Control Knob Assy	*27	591845	Shroud Assy - Starboard
5	591482	High Speed Control Knob Assy	28	552224	Screw - Shroud, Front
6	552461	Screw - Knob to Shut-Off Valve	29	552197	Screw - Shroud, Rear
7	202912	Knob - Shut-Off Valve	30	552223	Screw - Applique to Shroud
8	552194	Screw - Starter Housing and Gas Tank Support	31	552217	Applique - Starboard
*	591335	Starter Assy, Complete	*32	591844	Shroud Assy - Port (Also Includes items 28, 29, 30, 33)
9	17-180	Screw - Spindle to Starter Hsg.	33	552216	Applique - Port
10	13-51	Washer - Lock	34	203290	Bumper - Shroud
11	202356	Washer - Starter Spindle	35	552199	Clamp - Hose
12	276643	Starter Spindle and Pin Assy.	36	552201	Hose - Filter to Carburetor
13	202155	Spring - Equalizer	37	591262	Shut-Off Valve Assy
14	202114	Cup - Equalizer.	*38	591332	Fuel Tank Assy
15	302222	Spring - Friction	39	590919	Filter - Fuel
16	302104	Screw - Starter Pawl Retainer	40	171318	Gasket - Filter
17	71-1026	Washer - Lock	41	590774	Filler Cap Assy
18	202317	Retainer - Starter Pawl	42	551463	Gasket - Filler Cap
19	202470	Pawl - Starter	43	19-137	Washer - Lock
20	376376	Starter Pulley Assy	44	552703	Spacer - Shroud Cylinder Starboard
21	41-197	Starter Spring Assy	45	552702	Spacer - Shroud to Cylinder Head, Head, Port.
22	591214	Clamp and Screw - Rope			
23	551205	Clamp - Rope, Countersunk			

*IMPORTANT: Color of old parts must be specified when ordering new parts.

USE EXPLODED VIEW FOR 12S12B ONLY; FOR PART NO. VARIATIONS IN CUSTOMER MODELS SEE PAGE 34

TRIM GROUP

Parts List

REF. NO.	DESCRIPTION	1956 CUSTOMER MODEL & PART NUMBER				
		ATLAS	GOODYEAR	AMC	SPIEGEL	WARD
						GG-9016B
27	Shroud Assy - Starboard					591843
28	Screw - Shroud, Front					552198
29	Screw - Shroud, Rear					552226
31	Applique - Starboard					552219
32	Shroud Assy - Port					591842
33	Applique - Port					552218

REF. NO.	DESCRIPTION	1957 CUSTOMER MODEL & PART NUMBER			
		GALE	GOODYEAR	SPIEGEL	WARD
		12S13B 12S14B			GG-9016C GG-8978A
27	Starter Assy - Complete	592078			591335
	Shroud Assy - Starboard	592102			592104
28	Screw - Shroud, Front	552224			552198
29	Screw - Shroud, Rear	552197			552226
31	Applique - Starboard	552217			552851
32	Shroud Assy - Port	592101			592103
33	Applique - Port	552216			552850
38	Fuel Tank Assy	592130			592129