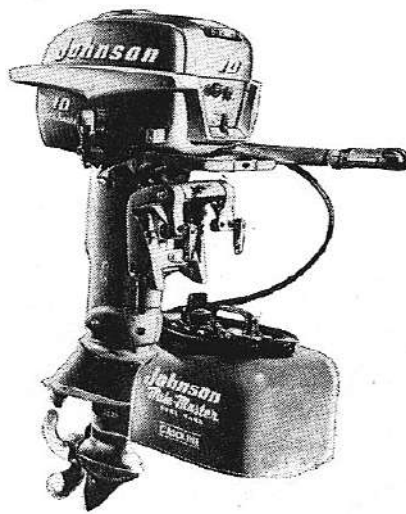


PARTS CATALOG

FOR

Models QD-16 and QDL-16



SEA-HORSE 10

JOHNSON MOTORS

Waukegan, Illinois, U. S. A.

Be Sure to Specify Model and Serial Number of Motor When Ordering Parts

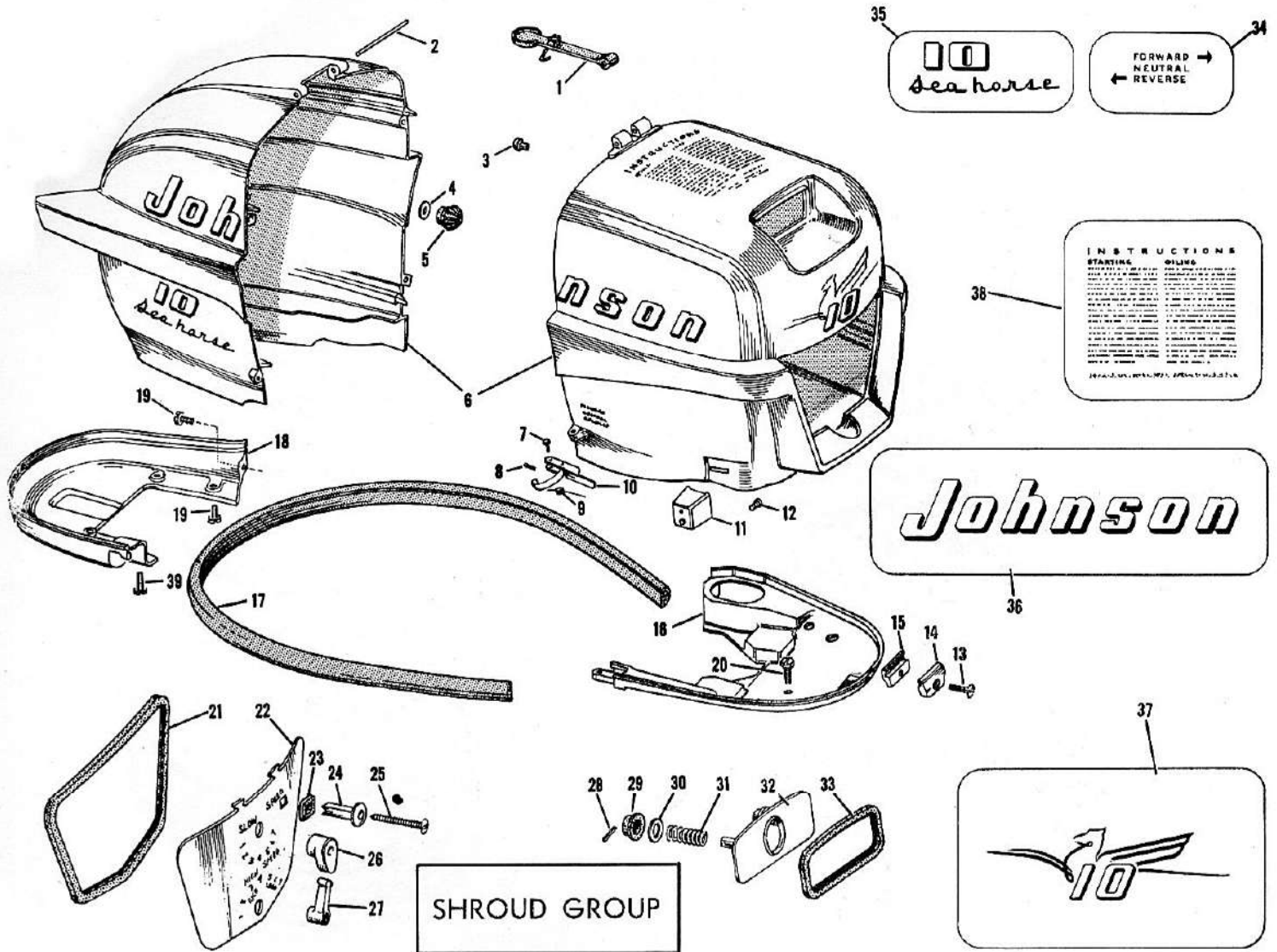


PHOTO AND PART NUMBERS

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	376432	Clip & Strap Assembly	23	303796	Grommet
2	303536	Hinge Pin	24	303718	Choke Knob
3	203290	Bumper	25	302761	Screw
4	303565	Washer	26	303847	Adjusting Lever - Slow Speed
5	303564	Bumper	27	303521	Adjusting Lever - High Speed
6	376403	Shroud & Transfer Assy.	28	41-163	Cotter Pin
7	303522	Pin	29	303535	Grommet
8	303590	Cotter Pin	30	202065	Washer
9	303519	Spring	31	303518	Spring
10	376129	Clamp & Lever Assembly	32	303528	Cover
11	303538	Boss	33	303529	Grommet
12	19-189	Screw	34	303824	Transfer - Gear Shift
13	304022	Screw	35	303826	Transfer - Sea Horse - 10 - Port & Star
14	304021	Clamp - Outer	36	304073	Transfer - Johnson - Port & Star
15	304020	Clamp - Inner	37	303827	Transfer - Sea Horse - 10 - Front
16	304004	Motor Cover - Lower - Front	38	303825	Transfer - Starting & Oiling Instructions
17	304014	Seal	39	304013	Screw
18	304005	Motor Cover - Lower - Rear			
19	304012	Screw			
20	304015	Screw			
21	303537	Grommet			
22	303534	Panel			

Order All Parts from Nearest Service Station or Dealer

MAGNETO GROUP

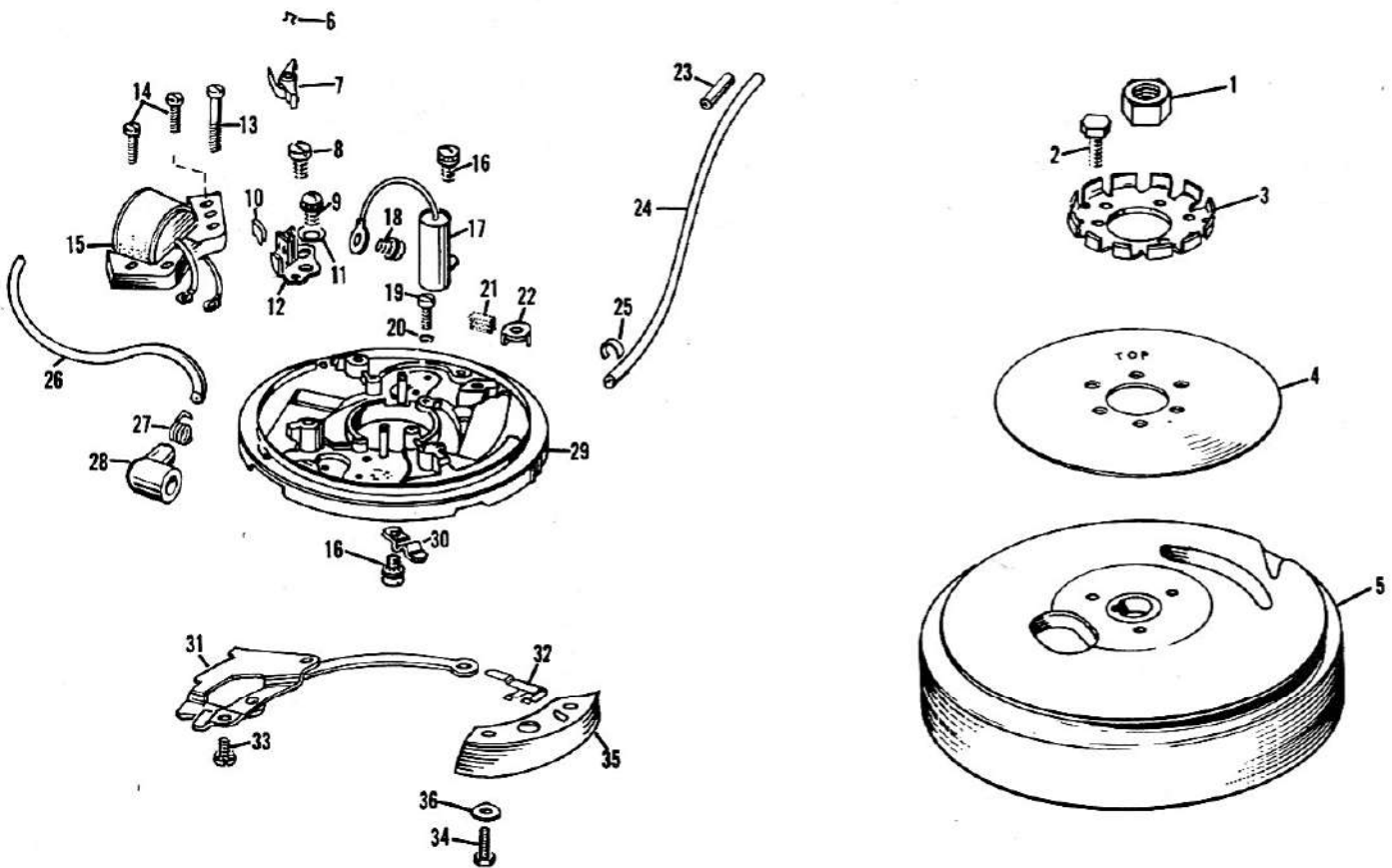


PHOTO AND PART NUMBERS

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	301988	Nut	19	510192	Screw
2	303289	Screw	20	3-28	Lockwasher
3	202111	Ratchet	21	510189	Oiler Wick
4	303249	Cover	22	510188	Oiler Clip
5	580155	Flywheel Assembly	23	510233	Insulating Sleeve
6	71-1052	Spring Clip	24	510234	High Tension Lead - Upper
7	580123	Breaker Arm Assembly (580148 Breaker Assembly Complete)	25	71-1239	Marker
8	510185	Eccentric Screw	26	510235	High Tension Lead - Lower
9	15-249	Screw	27	510231	Spring Terminal
10	510204	Clip	28	510232	Rubber Cover
11	510208	Bow Washer	29	580168	Armature Plate, Sleeve and Post Assembly (580153 Armature Plate Assembly Complete)
12	580122	Breaker Base Assembly (580148 Breaker Assembly Complete)	30	510218	Clamp
13	510191	Screw	31	376313	Link and Stop Assembly
14	510195	Screw	32	303146	Spring Clip
15	580118	Coil and Lamination Assembly	33	510193	Screw
16	510193	Screw	34	302750	Screw
17	510173	Condenser	35	203277	Cam
18	510194	Screw	36	300154	Washer

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STARTER GROUP

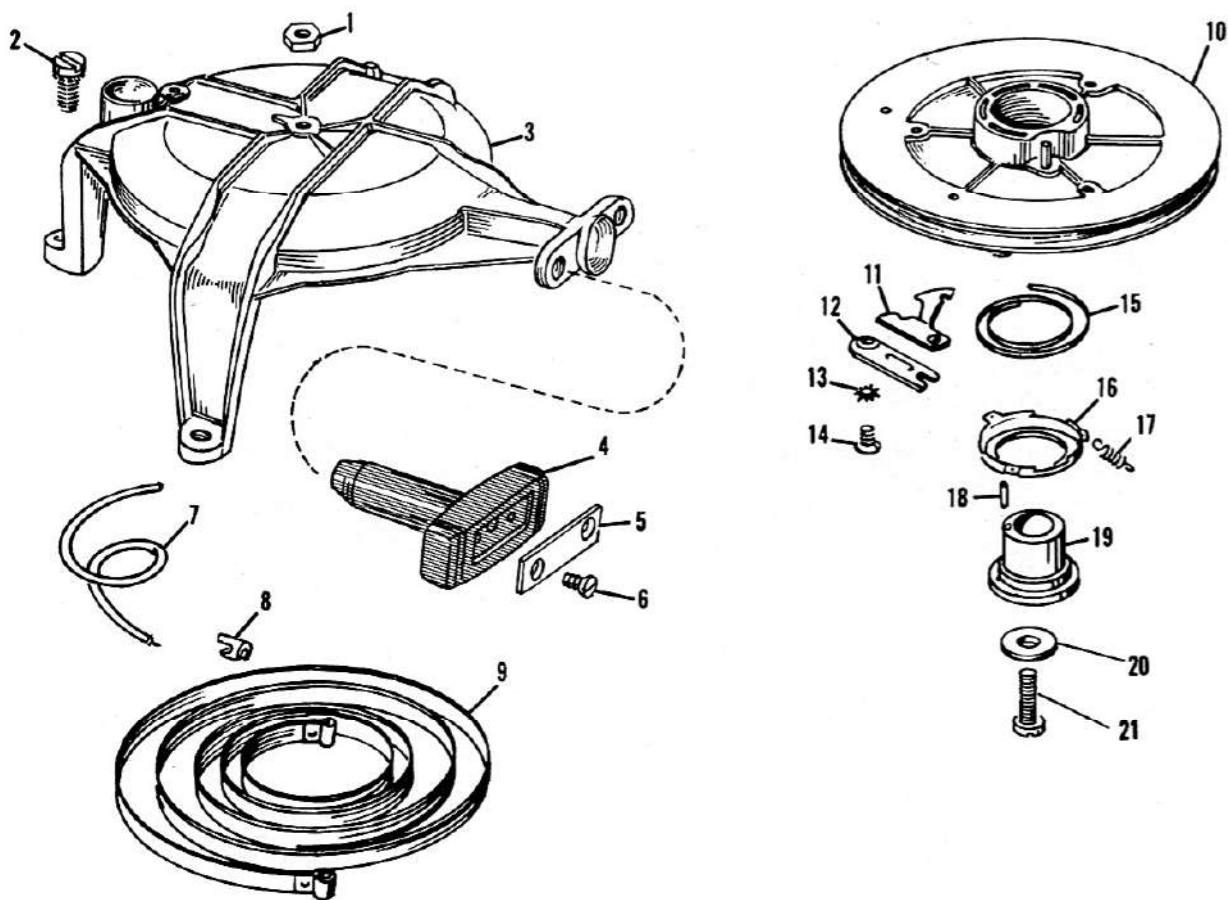


PHOTO AND PART NUMBERS

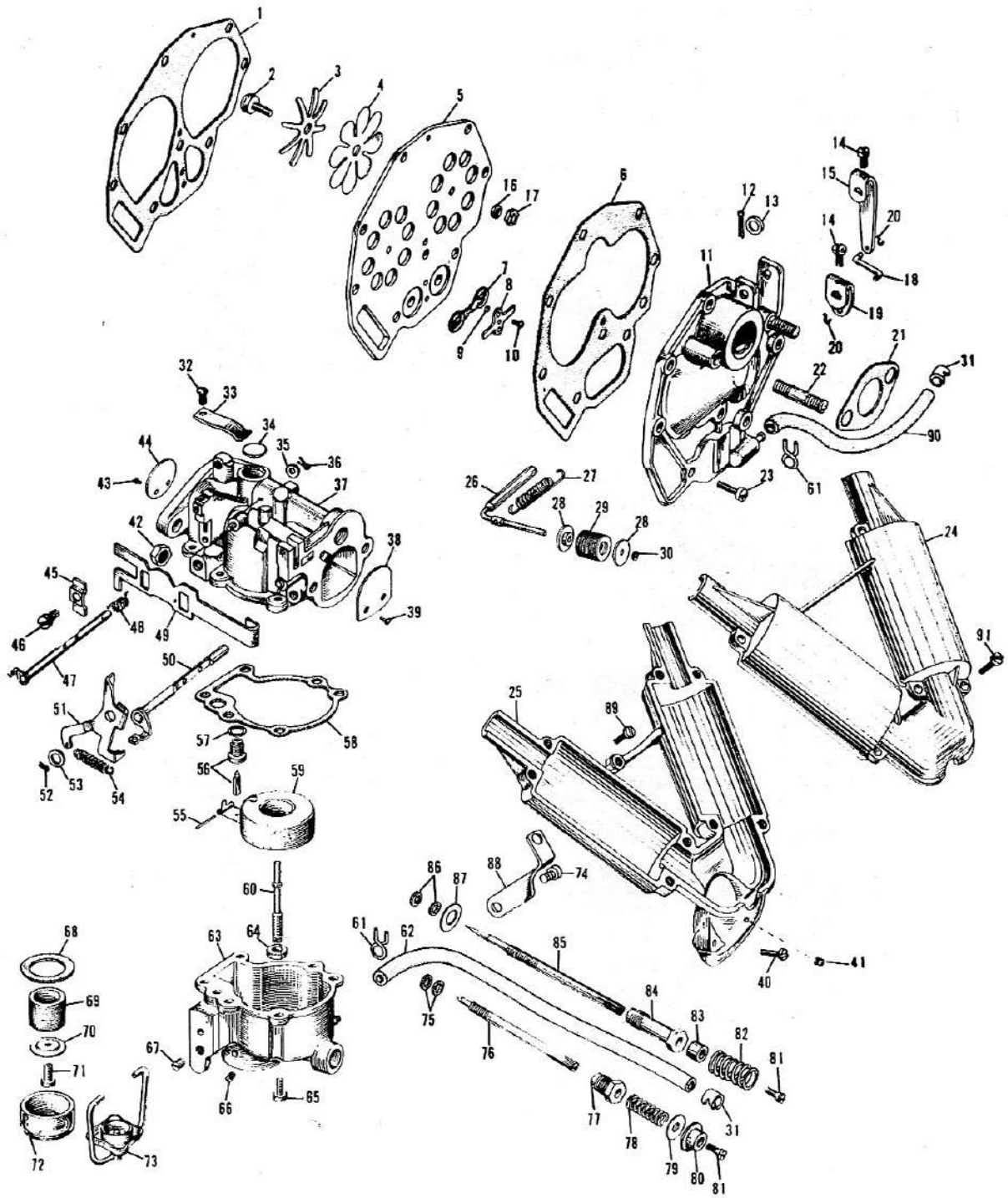
Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	302103	Nut	11	202470	Starter Pawl
2	303288	Screw	12	202317	Retainer
3	376339	Starter Housing & Pin Assembly	13	71-1026	Lockwasher
	(376251)	Starter Assembly Complete)	14	302104	Screw
4	376132	Handle	15	302222	Friction Spring
5	303516	Clamp Plate	16	202114	Equalizer Cup
6	41-205	Screw	17	202155	Spring
7	*304096	Starter Rope	18	202156	Pin
8	41-314	Anchor	19	276643	Spindle & Pin Assembly
9	41-197	Starter Spring	20	202356	Washer
10	*376376	Starter Pulley Assembly	21	51-223	Screw

*Model QD and QDL-16 Motors built prior to Serial No. 1225643 order like part:

Photo No.	Part No.	Name of Part
7	42-137	Starter Rope
10	590646	Starter Pulley Assembly

Order All Parts from Nearest Service Station or Dealer

CARBURETOR AND LEAF VALVE GROUP



Order All Parts from Nearest Service Station or Dealer

PHOTO AND PART NUMBERS FOR
CARBURETOR AND LEAF VALVE GROUP

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	303484	Gasket	47	376153	Throttle Shaft and Lever Assembly
2	301858	Screw	48	303765	Spring
3	302047	Leaf Stop	49	303143	Choke Rod
4	301965	Leaf	50	375993	Choke Shaft and Lever Assembly
5	303483	Leaf Plate	51	303144	Bellcrank
6	303486	Gasket	52	41-163	Cotter Pin
	(376260 Leaf	Plate Assembly)	53	85-54	Washer
7	302042	Check Valve	54	302747	Spring
8	302048	Spring	55	300096	Hinge Pin
9	302046	Spacer	56	375985	Float Valve and Seat Assembly
10	19-191	Screw	57	301996	Gasket
11	376114	Manifold, Nipple and Stud Assembly	58	302994	Gasket
12	41-163	Cotter Pin	59	375919	Float and Arm Assembly
13	303048	Washer	60	303618	Nozzle
14	302346	Screw	61	302647	Clamp
15	303540	Arm	62	203286	Hose
16	71-1487	Lockwasher	63	376404	Float Chamber & Nipple Assembly
17	85-64	Nut	64	302984	Gasket
18	303539	Link	65	71-1589	Screw
19	303491	Arm	66	303041	Screw
20	41-110	Pin	67	303125	Screw Plug
21	303531	Gasket	68	303122	Gasket
22	302822	Stud	69	303133	Filter Element
23	43-110	Screw	70	303134	Retainer
24	203352	Air Silencer - Upper Half	71	132509	Screw
25	203353	Air Silence - Lower Half	72	303121	Filter Bowl
26	303541	Cam Follower	73	376231	Filter Yoke Assembly
27	203276	Spring	74	43-147	Screw
28	303279	Bushing	75	43-123	Packing
29	203362	Roller	76	303159	Needle Valve - High Speed
30	203363	Retainer	77	300179	Nut
31	301822	Clamp	78	303518	Spring
32	302430	Screw	79	202065	Washer
33	303132	Spring	80	303535	Grommet
34	202310	Expansion Plug	81	551517	Screw
35	303048	Washer	82	303548	Spring
36	303049	Cotter Pin	83	303532	Sleeve
37	376253	Carb. Body, Bell- crank Shaft and Plug Assembly	84	303291	Nut
	(376120 Carburetor Assembly Complete)		85	303758	Needle Valve - Slow Speed
38	303126	Choke Valve	86	43-123	Packing
39	303760	Screw	87	203355	Washer
40	132346	Screw	88	303544	Bracket
41	203652	Button Plug	89	43-156	Screw
42	7-46	Nut	90	203287	Hose
43	303760	Screw	91	43-259	Screw
44	303495	Throttle Valve			
45	303117	Bracket			
46	131249	Screw			

Be Sure to Specify Model and Serial Number of Motor When Ordering Parts

POWER HEAD GROUP

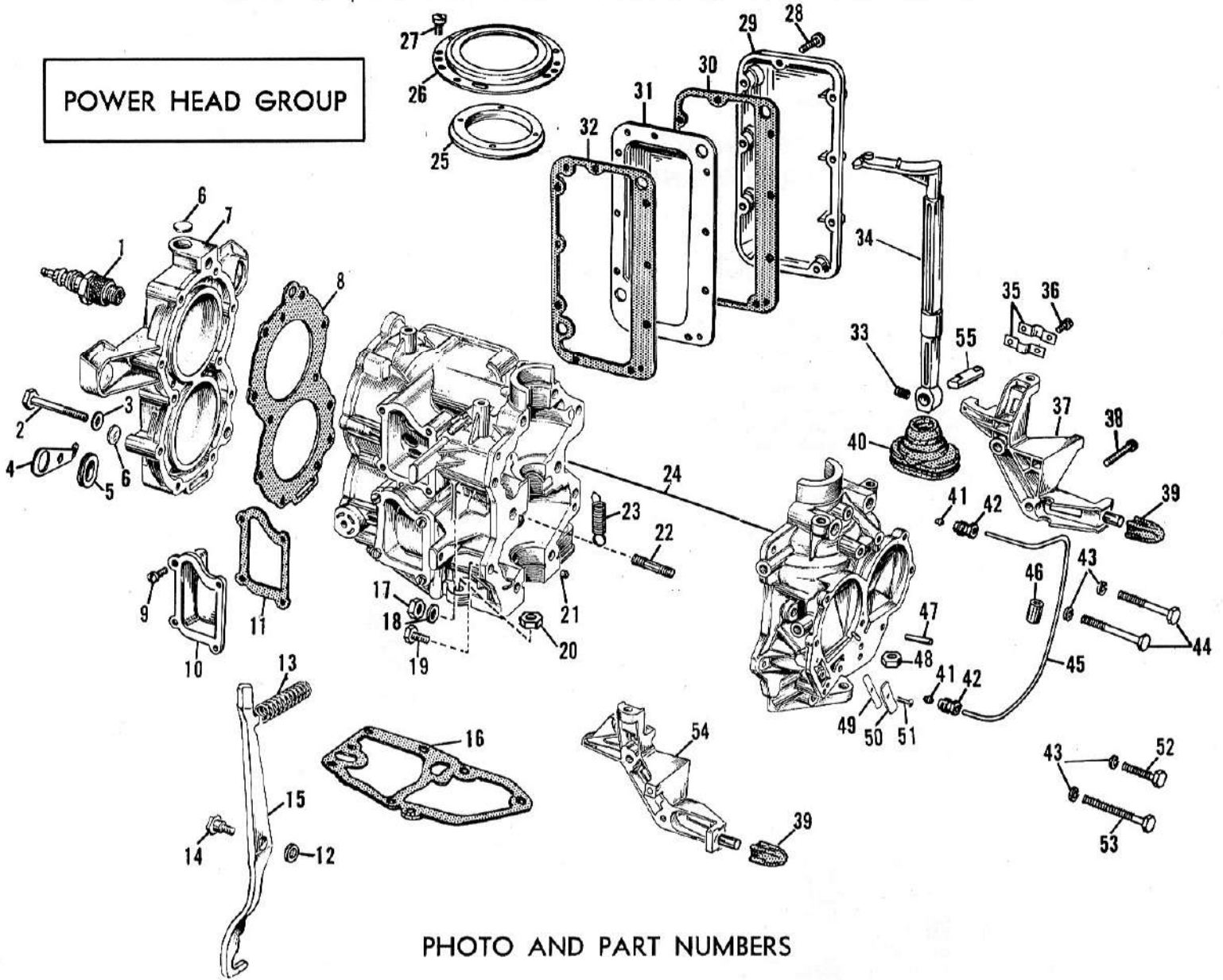


PHOTO AND PART NUMBERS

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	*200322	Spark Plug (Champion J6J)	16	303892	Gasket	36	510193	Screw
1	*376290	Spark Plug (Auto-Lite A3X)	17	7-46	Nut	37	303919	Bracket - Port
2	302009	Screw	18	37-154	Washer	38	41-178	Screw
3	300399	Washer	19	51-135	Screw	39	303922	Bumper
4	300455	Anchor	20	7-46	Nut	40	304019	Grommet
5	300454	Grommet	21	302037	Dowel	41	11-61	Gland
6	19-51	Core Plug - Bottom	22	21-170	Stud	42	41-105	Packing Nut
6	27-309	Core Plug - Top	23	302827	Spring	43	37-154	Washer
7	376130	Cylinder Head Assembly	24	376335	Cylinder and Crankcase Assembly	44	300355	Screw
8	301862	Gasket	25	303277	Retaining Ring	45	376291	Oil Line Assembly
9	43-259	Screw	26	303278	Support	46	302811	Spacer
10	301848	Cover	27	41-223	Screw	47	300402	Taper Pin
11	301847	Gasket	28	132346	Screw	48	7-46	Nut
12	304051	Washer	29	303995	Cover	49	203235	Leaf Valve
13	302587	Spring	30	301853	Gasket	50	203248	Plate
14	302592	Screw	31	301849	Cover	51	19-191	Screw
15	303921	Shifter Lock	32	301854	Gasket	52	21-487	Screw
			33	303236	Spring	53	25-242	Screw
			34	**304159	Lever	54	303920	Bracket - Star
			35	303109	Bearing Clamp	55	304155	Pin

*We recommend either Champion or Auto-Lite Spark Plugs.

**Model QD and QDL-16 Motors built prior to Serial No. 1227814 order Part No. 376430.

Order All Parts from Nearest Service Station or Dealer

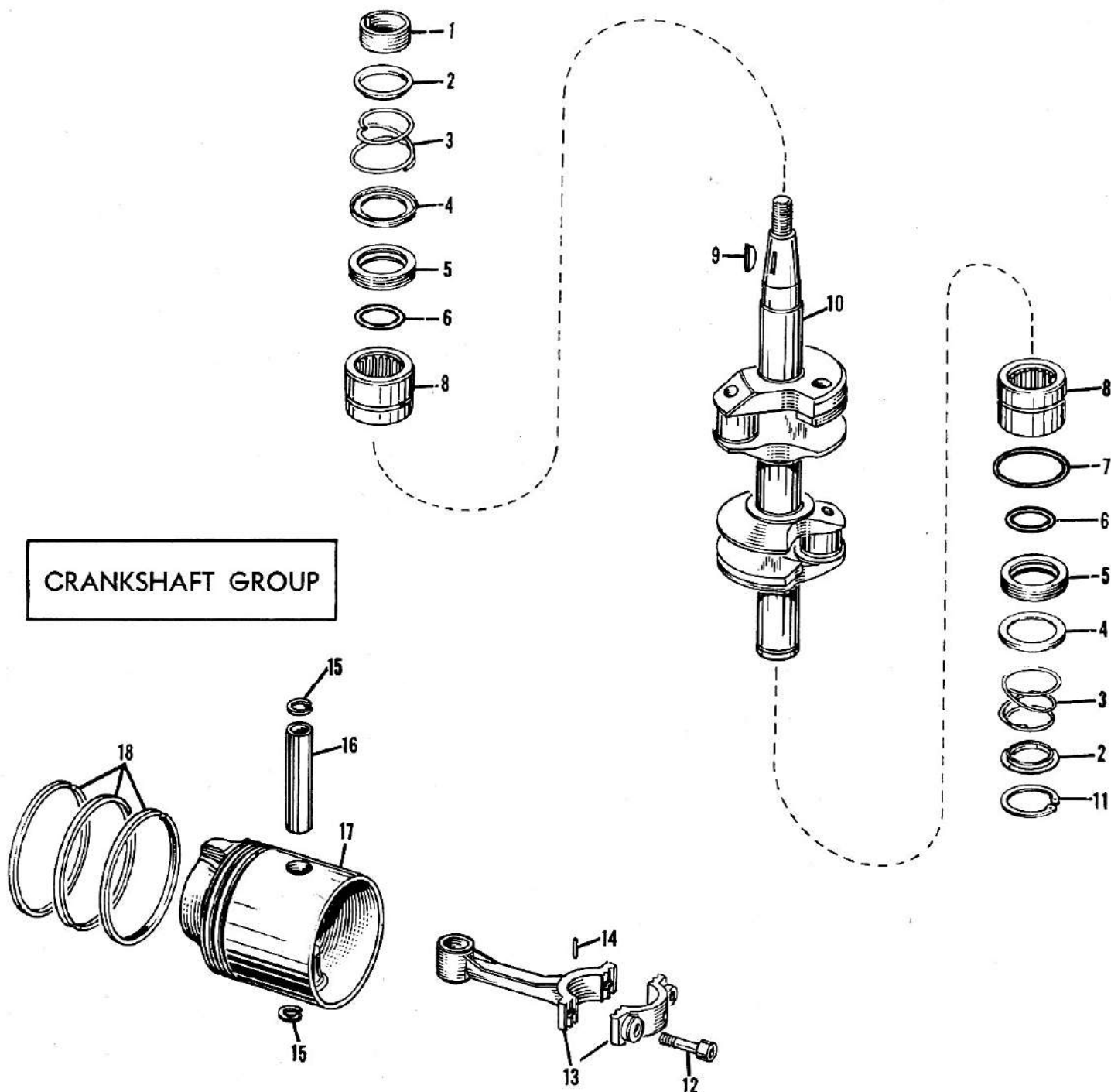


PHOTO AND PART NUMBERS

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	510168	Cam	13	376223	Connecting Rod Assembly
2	301857	Retaining Washer	14	27-148	Needle Bearing
3	301861	Spring	15	303712	Lock Ring
4	301860	Retaining Washer	16	303711	Wrist Pin
5	302036	Seal	17	376202	Piston Dowel Pin Assembly
6	301967	O-Ring		(376224 Piston, Connecting Rod - with rings - upper)	
7	302035	O-Ring		(376226 Piston, Connecting Rod - with rings - lower)	
8	302499	Needle Bearing Assembly	18	301787	Piston Rings
9	120395	Key			
10	376380	Crankshaft			
11	301859	Retaining Ring			
12	202967	Screw			

Order All Parts from Nearest Service Station or Dealer

DRIVESHAFT CASING GROUP

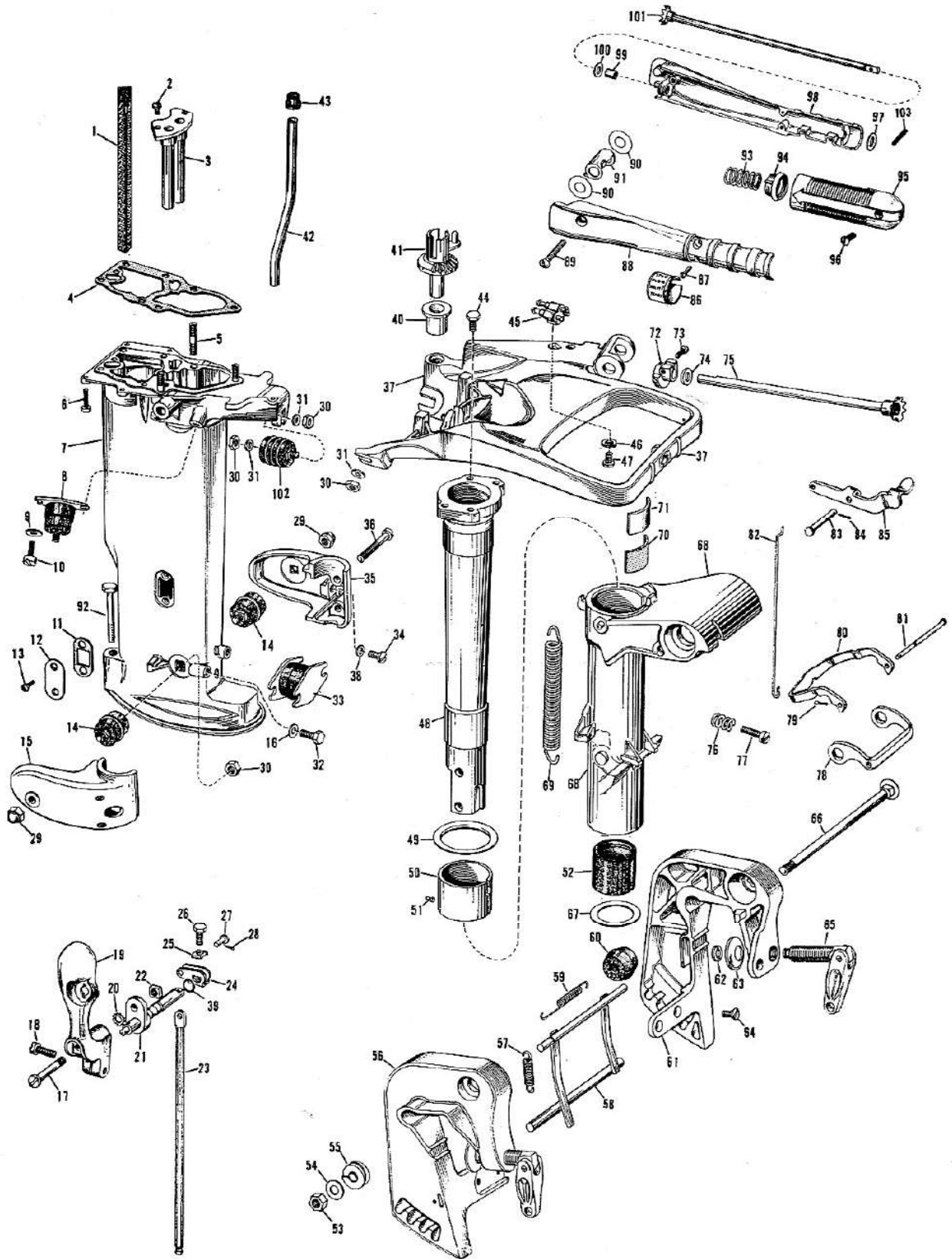


PHOTO AND PART NUMBERS FOR DRIVESHAFT CASING GROUP

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	304002	Baffle	54	25-196	Washer
2	25-74	Screw	55	302051	Spring
3	304880	Exhaust Loading Tube Assembly	56	376283	Stern Bracket As- sembly - Star
4	377070	Gasket	57	202021	Spring
5	15-149	Stud	58	376312	Tilting Lever Assembly
6	25-238	Screw	59	304095	Spring
7	376406	Exhaust Tube and Stud Assembly	60	301983	Conical Washer
8	303879	Rubber Mount - Upper Side	61	376284	Stern Bracket Assembly - Port
9	303887	Washer	62	302420	Retainer
10	39-176	Screw	63	41-48	Swivel Plate
11	304023	Gasket	64	303396	Screw
12	303862	Cover Plate	65	375742	Clampscrow, Swivel Plate & Retainer Assembly
13	302509	Screw			
14	303880	Rubber Mount	66	301984	Bolt
15	303897	Housing - Star	67	303865	Thrust Washer
16	303886	Washer	68	303840	Swivel Bracket
17	39-72	Screw	69	303979	Spring
18	51-47	Screw	70	303843	Spacer
19	376308	Shift Lever & Pin Assembly	71	303844	Plate
20	303480	Lockwasher	72	303142	Pinion
21	376307	Adjusting Lever & Shift Shaft Assy.	73	71-1352	Screw
22	303189	Nut	74	303107	Washer
23	303861	Shift Rod - Upper	75	376306	Gear & Shaft Assembly - Short
24	303720	Lever	76	551113	Spring
25	303721	Clip	77	132679	Screw
26	302722	Screw	78	303950	Link
27	302504	Pin	79	15-268	Cotter Pin
28	301912	Cotter Pin	80	303948	Locking Lever
29	303890	Acorn Nut	81	303949	Rod
30	303889	Nut	82	303978	Link
31	303884	Washer	83	303930	Pivot Shaft
32	303888	Screw	84	303049	Cotter Pin
33	303881	Rubber Mount	85	303980	Arm
34	303883	Screw	86	303110	Plate
35	303896	Housing - Port	87	133452	Screw
36	303898	Screw	88	303093	Steering Handle - Inner Half
37	376297	Steering Bracket & Bushing Assy.	89	303078	Screw
38	303886	Washer	90	303079	Washer
39	303191	O-Ring	91	303096	Cover
40	303854	Bushing	92	302871	Screw
41	*304157	Gear	93	301656	Spring
42	303917	Water Tube	94	303282	Friction Block
43	302497	Grommet	95	303213	Grip
44	21-171	Screw	96	302710	Screw
45	375788	Fuel Connector Assembly	97	303252	Washer
46	51-137	Lockwasher	98	376042	Steering Handle & Bushing Assembly
47	21-359	Screw	99	302717	Bushing
48	303853	Pilot Shaft	100	302712	Washer
49	303842	Thrust Washer	101	376416	Gear and Shaft Assembly - Long
50	303846	Upper Liner			
51	303696	Pin	102	303878	Rubber Mount - Upper - Front
52	303841	Shock Absorber			
53	17-182	Nut	103	300346	Groove Pin

*Model QD and QDL-16 Motors built prior to Serial No. 1227814 order Part No. 376430.

MODEL QDL-16 PARTS THAT DIFFER FROM MODEL QD-16

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
42	304037	Water Tube (QDL)	102	304153	Rubber Mount - upper front (QDL)
92	304135	Screw (QDL)			

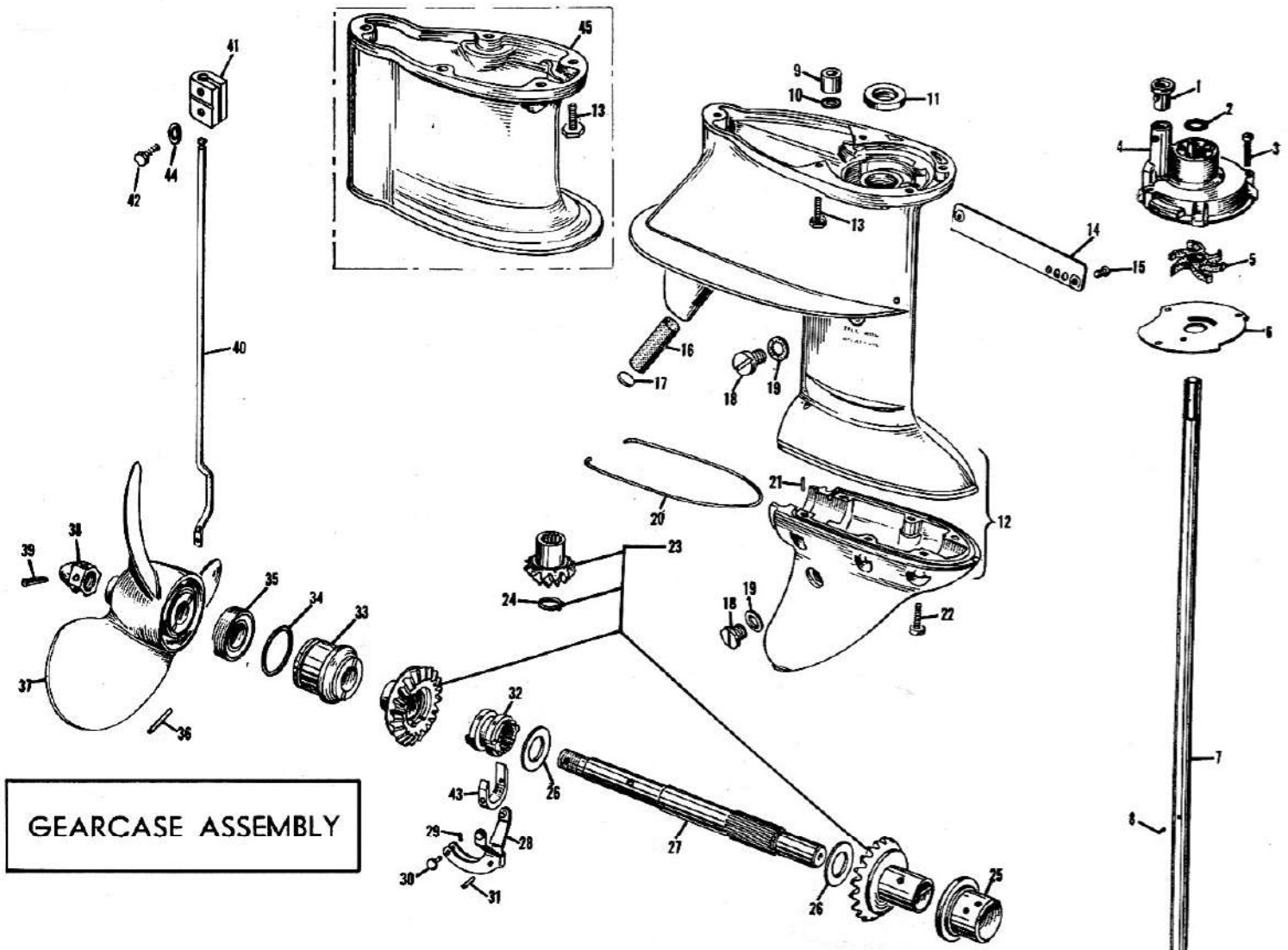


PHOTO AND PART NUMBERS

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	302497	Grommet	24	301883	Retaining Ring
2	303067	O-Ring	25	302496	Bearing
3	302508	Screw	26	301884	Thrust Washer
4	303070	Impeller Housing	27	302483	Propeller Shaft
5	375638	Impeller Assembly	28	375755	Shifter Lever and Pin Assembly
6	303069	Plate	29	15-268	Cotter Pin
7	303860	Driveshaft	30	302504	Pin
8	300771	Pin	31	302501	Pivot Pin
9	301878	Bushing	32	375711	Shifter Assembly
10	301877	O-Ring	33	375751	Gearcase Head and Bearing Assembly
11	41-62	Seal	34	302493	O-Ring
12	376402	Gearcase and Bearing Assembly	35	302495	Seal
13	302510	Screw	36	301923	Drive Pin
14	302505	Cover	37	375605	Propeller and Bushing Assembly
15	302509	Screw	38	132477	Nut
16	302757	Screen	39	302381	Cotter Pin
17	300314	Plug	40	303098	Shift Rod - Lower
18	27-283	Screw	41	303794	Connector
19	27-284	Washer	42	304024	Screw
20	302513	Seal	43	302500	Cradle
21	300611	Dowel	44	301551	Lockwasher
22	33-76	Screw			
23	375844	Pinion, Gears and Bushing Assembly			

MODEL QDL-16 PARTS THAT DIFFER FROM MODEL QD-16

7	304036	Driveshaft (QDL)	40	303257	Shift Rod (QDL)
13	302510	Screw (QDL)	45	304136	Gearcase Extension (QDL)

See page 11 for additional Model QDL-16 parts.

MILE MASTER FUEL TANK ASSEMBLY

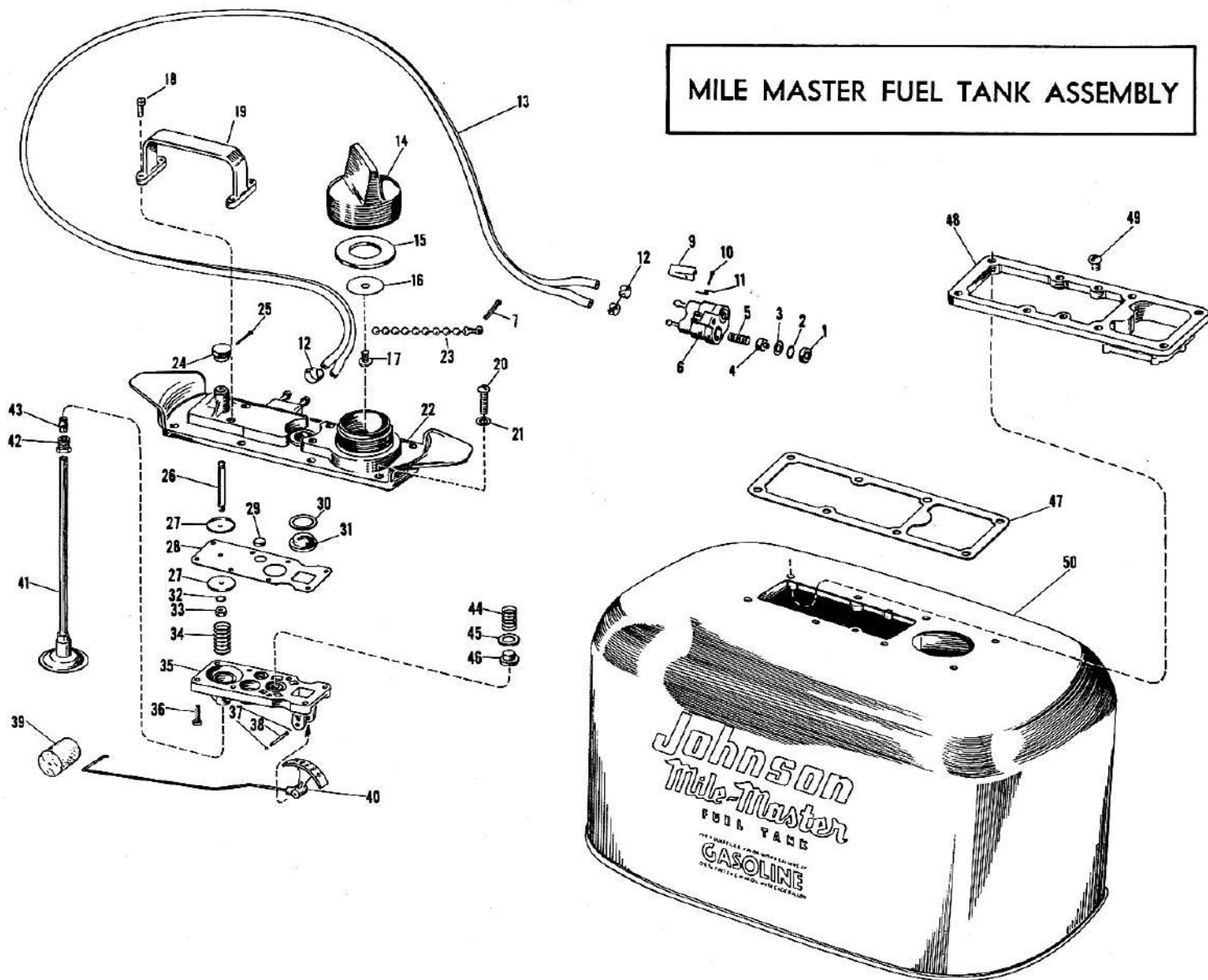


PHOTO AND PART NUMBERS

Photo No.	Part No.	Name of Part	Photo No.	Part No.	Name of Part
1	301828	Retainer	27	301800	Support
2	301824	O-Ring	28	302563	Diaphragm
3	301827	Washer	29	301802	Disc Valve
4	301826	Valve	30	302571	Seal
5	301825	Spring	31	302568	Glass
6	375587	Fuel Connector Assembly	32	301736	Lockwasher
7	15-213	Cotter Pin	33	21-195	Nut
9	301830	Lock	34	301803	Spring
10	301832	Rivet	35	302555	Housing
11	301829	Spring	36	13-558	Screw
12	301822	Hose Clamp	37	302654	Snap Ring
13	301821	Hose	38	302653	Pin
14	375817	Filler Cap Assembly	39	302559	Float
15	301835	Gasket	40	375778	Indicator Assembly
16	302560	Plate	41	375846	Foot Valve Assembly
17	301837	Screw	42	132691	Nut
18	13-558	Screw	43	13-304	Gland
19	302570	Handle	44	302135	Spring
20	304137	Screw	45	302137	Washer
21	301814	Gasket	46	302136	Valve
22	376276	Housing	47	302557	Gasket
23	301838	Chain	48	302556	Support
24	301815	Push Button	49	53-85	Screw
25	17-186	Cotter Pin	50	375774	Fuel Tank (Only)
26	302561	Push Rod			(375777 Fuel Tank Assembly Complete)

Order All Parts from Nearest Service Station or Dealer