

Parts Manual

Cat.# 90-8M0144672

Revised 09-20-2020

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Service/Support Manual

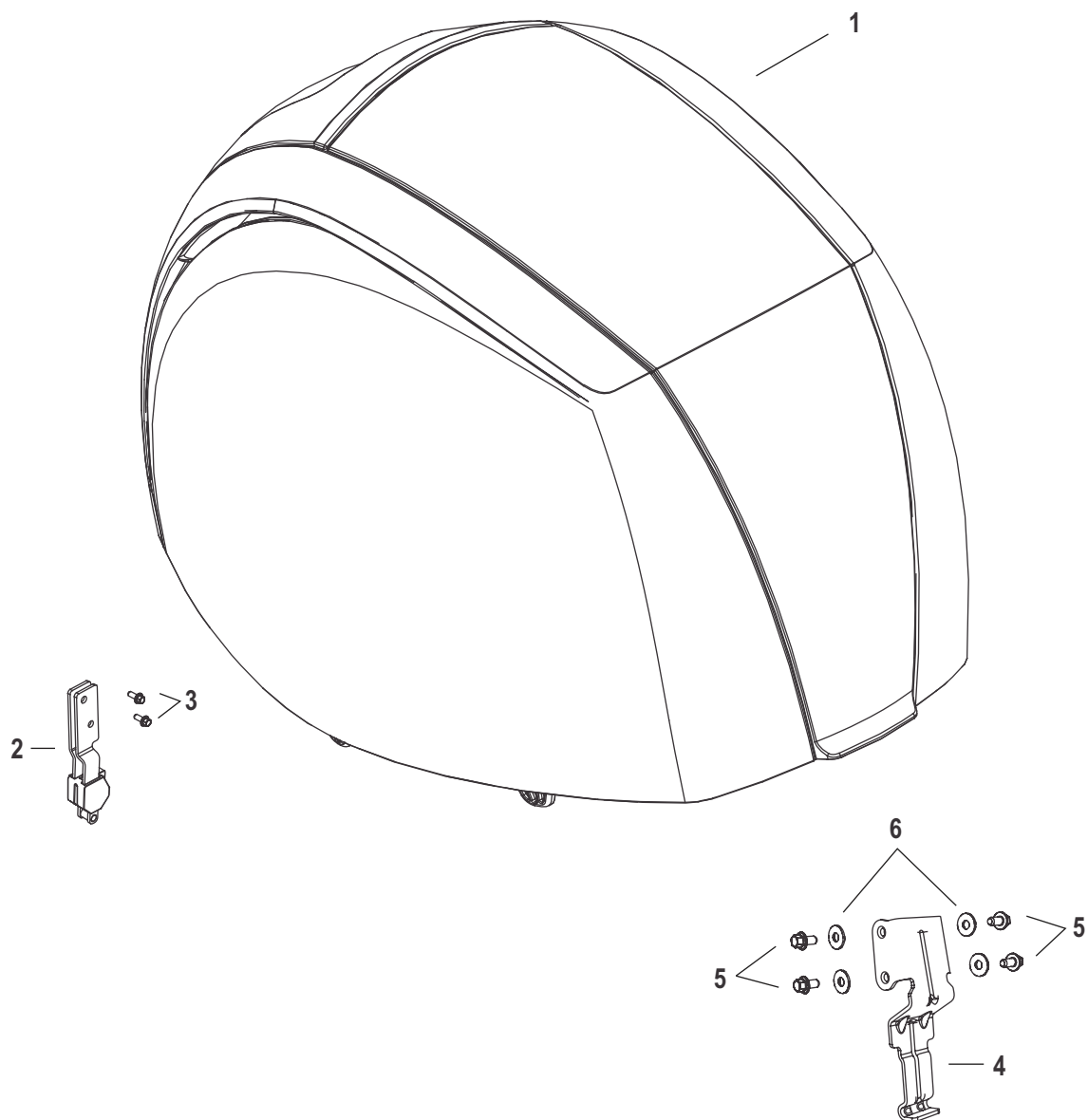
Service/Support Manual

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
-	0090	8M0144954	OPERATION MANUAL 150 ProXS		1	
-	0090	8M0109955	SERVICE MANUAL 150 4S		1	
-	0090	8M0144672	PARTS MANUAL 150 4-Stroke Pro XS		1	
-	0027	8M0057763	GASKET SET Powerhead		1	
-	0061	8M0110950	LongBlock 4-Stroke 150 Hp		1	[1]
-	0061	8M0110951	SHORT BLOCK ASSEMBLY		1	

PART NOTES:

- [1] - Alternate part numbers:
8M0070524Reman
8M0110950QS

Top Cowl



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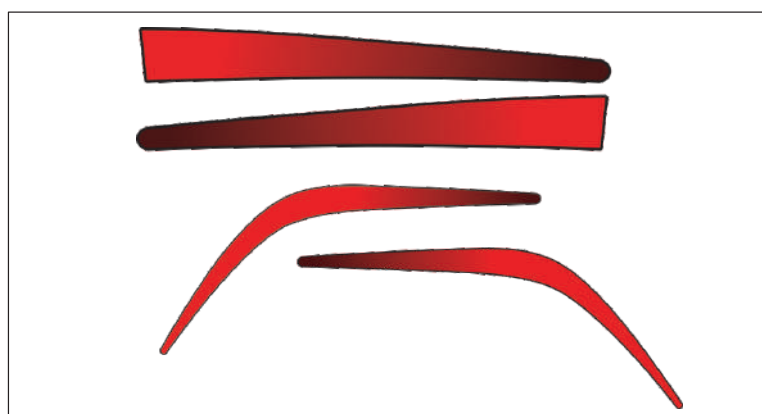
Top Cowl

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0100	8M0144419	TOP COWL ASSEMBLY Decaled		1	
2	0000	8M0031345	STRIKER ASSEMBLY		1	
3	0010	8M0103805	SCREW (M6 x 16MM) Stainless Steel		2	
4	0000	8M0052967	HOOK Top cowl latch		1	
5	0010	8M0103804	SCREW (M6 x 12 MM) Stainless Steel		4	
6	0012	4002316	WASHER (6.60 X 17.0 X 1.5SS)		4	

Decals Top and Lower Cowl



1



2



— 3



— 4

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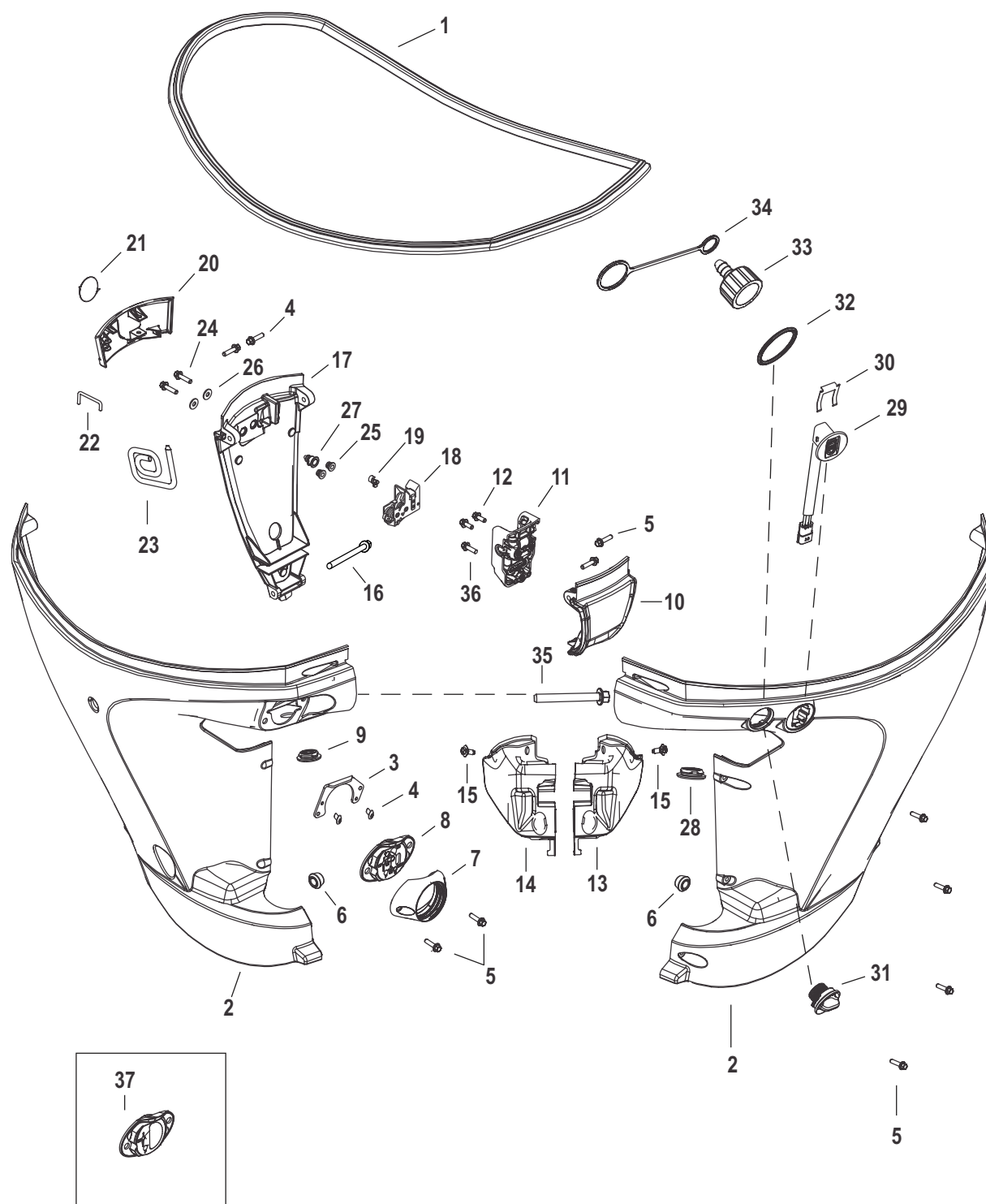
Cat.# 90-8M0144672

Decals Top and Lower Cowl

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0037	8M0144448	DECAL SET Top Cowl		1	
2	0037	8M0144449	DECAL SET Chaps		1	
3	0037	8M0043700	M-ICON Red, 39mm		1	
4	0037	8M0085373	DECAL M-Icon, 60mm Red		1	

Decals Top and Lower Cowl

Lower Cowl

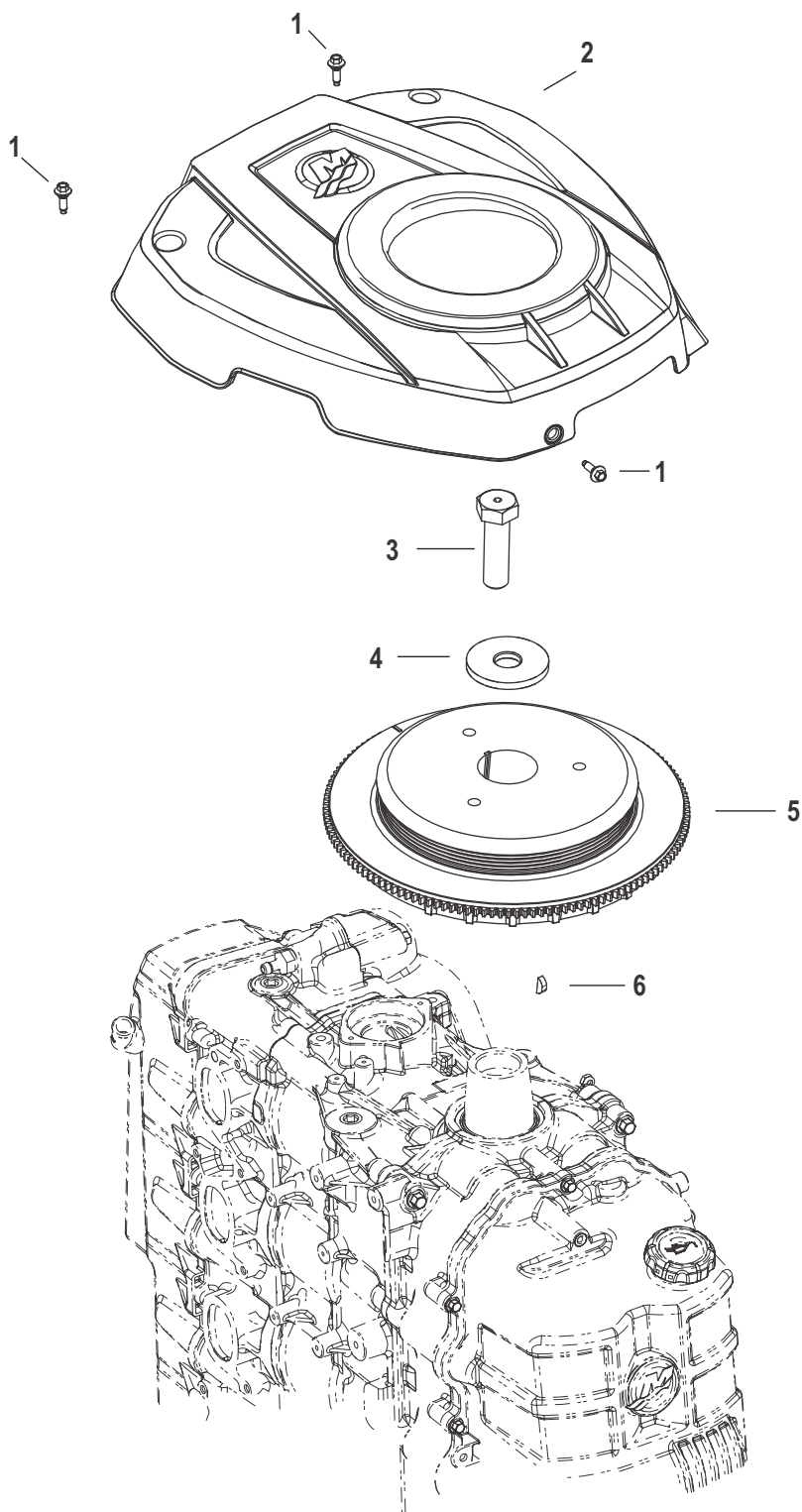


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Lower Cowl

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0000	8M0109220	SEAL Top Cowl		1	
2	0100	8M0057756	CHAP ASSEMBLY Port and Starboard	Non-Decaled	1	
3	0000	8M0047717	PLATE Ingress Mounting		1	
4	0010	8M0047718	SCREW (M5 X 8MM)		2	
5	0010	8M0022324	SCREW (M6 x 25 MM)		8	
6	0000	8M0142713	CAP Chap Support		2	
7	0000	8M0057348	ADAPTER Rigging Hose		1	
8	0000	8M0061055	INGRESS GROMMET		1	
9	0025	8M0048006	GROMMET Trim Wires		1	
10	0100	8M0057758	LOWER COWL FRONT ASSY		1	
11	0000	8M0047810	RETAINER Top Cowl Latch		1	
12	0010	8M0103805	SCREW (M6 x 16MM) Stainless Steel		3	
13	0100	8M0093776	COVER Upper Mount - Port		1	
14	0100	8M0093777	COVER Upper Mount - STBD		1	
15	0010	892073002	SHOULDER SCREW (M6)		2	
16	0010	8M0071078	SCREW (M6 X 85) Hex Flg		1	
-	0000	8M0144428	PANEL ASSEMBLY Rear		1	
17	0000	8M0034063	PANEL, REAR		1	
18	0000	8M0041031	REAR LATCH ASSEMBLY		1	
19	0000	8M0006054	RETAINER		1	
20	0000	8M0047782	HANDLE LATCH		1	
21	0037	8M0043700	M-ICON Red, 39mm		1	
22	0000	8M0031367	LATCH LINK Rear		1	
23	0017	8M0034065	PIN Handle		1	
24	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		2	
25	0023	8M0047796	BUSHING		2	
26	0012	4002316	WASHER (6.60 X 17.0 X 1.5SS)		2	
27	0000	8M0056980	SEAL Rear Latch		1	
28	0025	8M0048008	GROMMET Trim Sensor Wires		1	
29	0087	8M0037225	TRIM SWITCH Round Bezel		1	
30	0000	8M0032848	RETAINER Switch		1	
31	0022	888958001	PLUG Flush Port		1	
32	0000	8M0047301	SEAL Flush Plug Pocket		1	
33	0022	885361A01	FITTING ASSEMBLY Flush		1	
34	0000	889823001	TETHER Flush Plug		1	
35	0010	88552550	SCREW (M6 x 50 MM) Stainless Steel		1	
36	0010	8M0103806	SCREW (M6 x 20 MM) Stainless Steel		1	
37	0000	8M0062583	GROMMET	Rigging Tube (Accessory)	1	

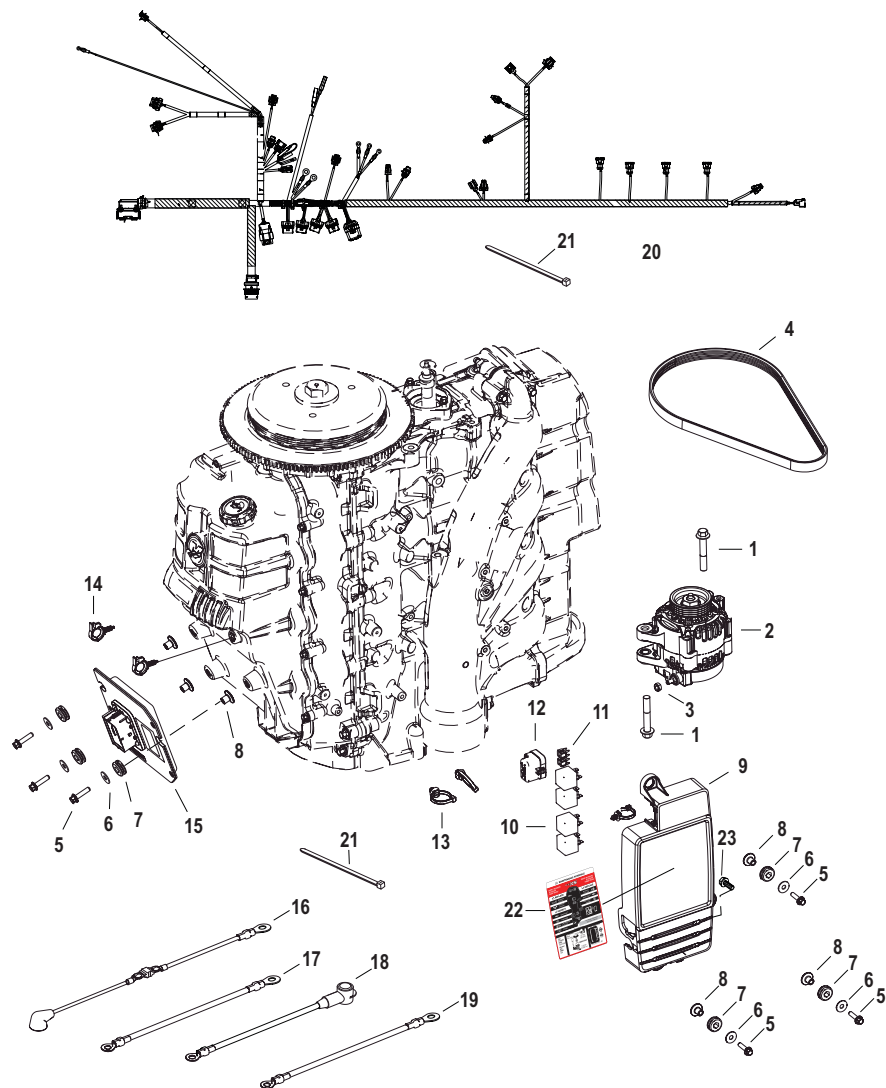
Flywheel and Cover



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Flywheel and Cover

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0010	8M0012661	SCREW		3	
2	0000	8M0057690	COVER Flywheel		1	
3	0010	880515	BOLT (M20 x 68)		1	
4	0012	8M0090010	WASHER		1	
5	0200	8M0057668	FLYWHEEL ASSEMBLY		1	
6	0028	91800	KEY Woodruff		1	

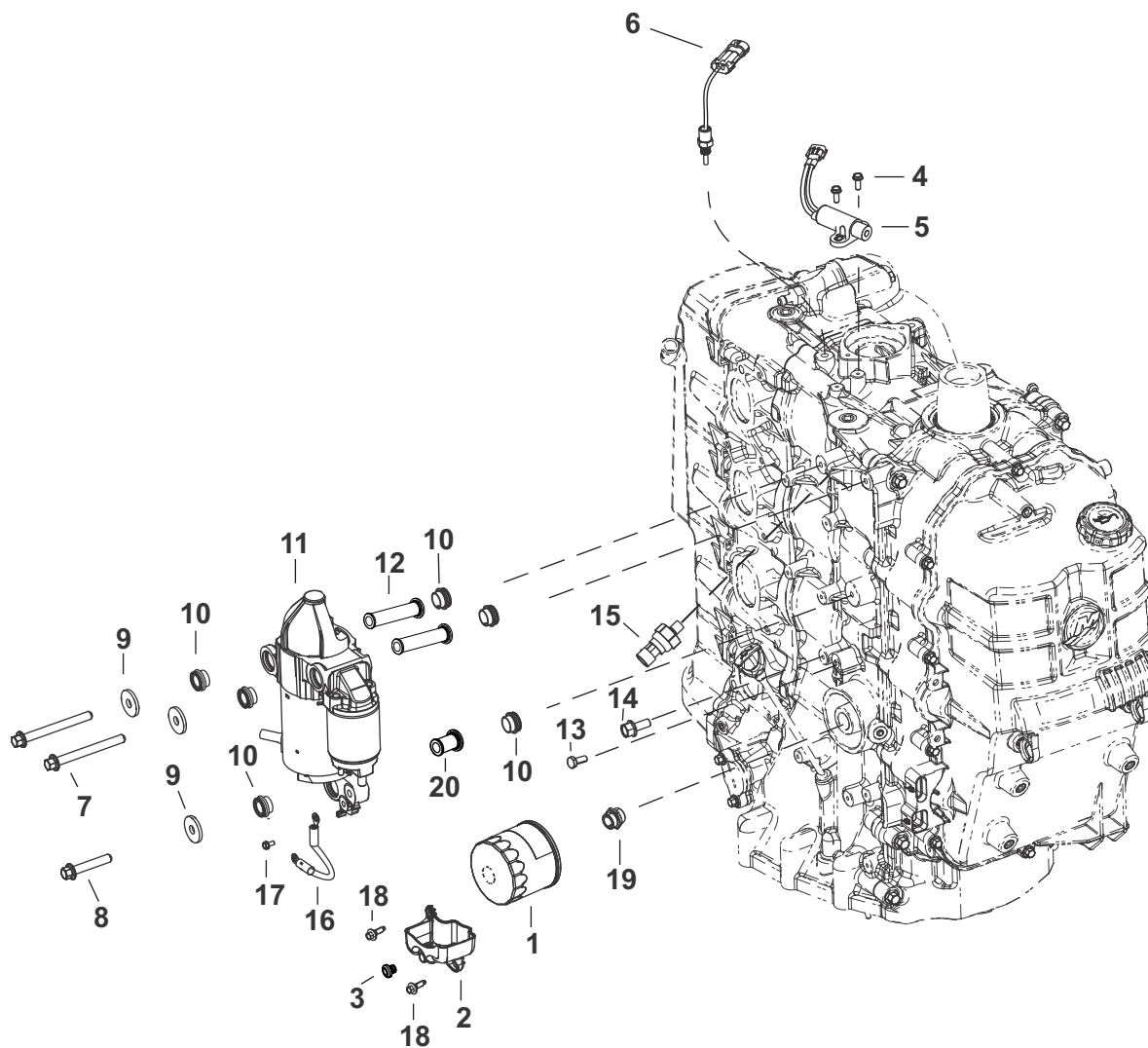


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Electrical

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0010	8M0069690	SCREW (M10 X 1.5 X 60)		2	
2	0000	8M0065239	ALTERNATOR		1	
3	0011	401386	NUT (M6) Stainless Steel		1	
4	0057	8M0031641	BELT Poly V, 4 Rib		1	
5	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		6	
6	0012	65567	WASHER (.265 x .750 x .048) Stainless Steel		6	
7	0025	834985	GROMMET		6	
8	0023	856954	BUSHING		6	
9	0000	8M0146169	COVER Power Center		1	
10	0000	8M0057697	CUBE RELAY		4	
11	0088	832969T15	FUSE Mini - Blue - 15 Ampere		1	
11	0088	832969T20	FUSE Mini - Yellow - 20 Ampere		2	
11	0088	8329692	FUSE Mini - Gray - 2 Ampere		1	
12	0000	8M0047885	FUSE COVER With Spares		1	
13	0054	899145	CLIP Tie Strap		10	
14	0054	859376	CLIP		2	
15	0077	8M0139977	ECM 150HP Pro XS, 4S		1	
16	0084	8M0057698	HARNESS ASSY Fused		1	
17	0084	8M0033589	CABLE ASSY Starter		1	
18	0084	88439A35	CABLE ASSEMBLY Battery - Positive		1	
19	0084	88439A26	CABLE ASSEMBLY Battery - Negative		1	
20	0084	8M0057696	HARNESS ASSEMBLY Engine		1	
21	0054	816311T	TIE STRAP (8.00 Inches)		2	
22	0037	8M0144479	DECAL Maintenance Schedule		1	
23	0010	40011145	SCREW (M8 x 10) Stainless Steel	For Use with Battery Isolator	AR	

Starter Motor/Oil Filter/Sensors



48366

Starter Motor/Oil Filter/Sensors

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0035	877761K01	FILTER Oil Mercury Branded		1	[1]
2	0000	8M0039451	TRAY Oil Filter Drain		1	
3	0019	8M0143229	PLUG Drip Tray		1	
4	0010	40011106	SCREW (M5 x 13) Stainless Steel		2	
5	0000	8M0082988	SENSOR Crankshaft Position Crank position		1	
6	0000	885342002	SENSOR ASSEMBLY Block water temp		1	
7	0010	8M0142896	SCREW (M8 x 80)		2	
8	0010	88552645	SCREW (M8X45)		1	
9	0012	43430	WASHER		3	
10	0023	8M0070367	MOUNT - TUBULAR 8MM Component of Starter 8M0137789		6	
11	0050	8M0137789	STARTER Isolation Mount		1	
12	0023	8M0070369	SPACER (8.3 I.D. X 11.8 O.D.) Component of Starter 8M0137789		2	
13	0010	40011126	SCREW (M6 x 13) Stainless Steel		1	
14	0010	81893420	SCREW (M8 x 20)		1	
15	0000	8M6000634	PRESSURE SENSOR Oil		1	
16	0084	8M0056666	GROUND STRAP Starter		1	
17	0010	40011126	SCREW (M6 x 13) Stainless Steel		1	
18	0010	8M0012661	SCREW		2	
19	0022	8M0073011	FITTING		1	
20	0023	8M0070368	SPACER (8.3 I.D. X 11.8 O.D.) Component of Starter 8M0137789		1	

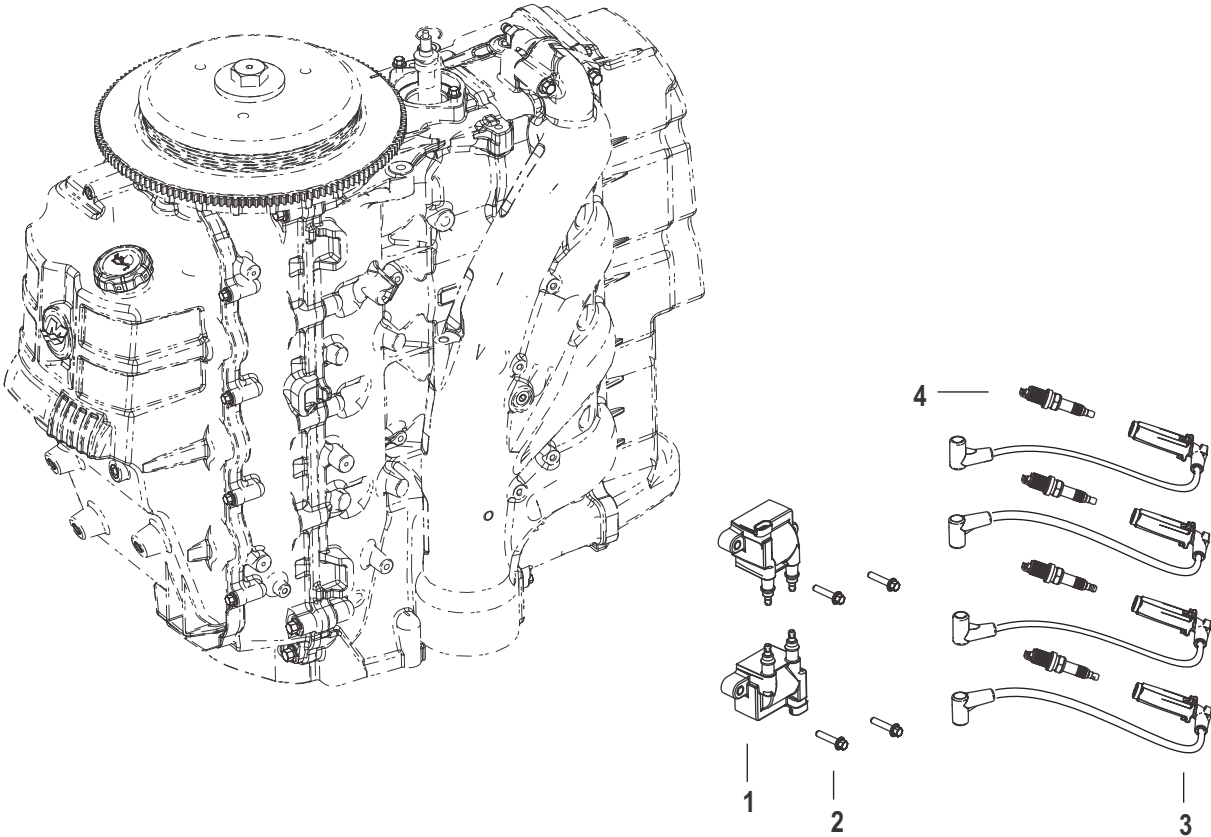
PART NOTES:

[1] - Alternate part numbers:

877761K01MPP

877761Q01QS

Ignition

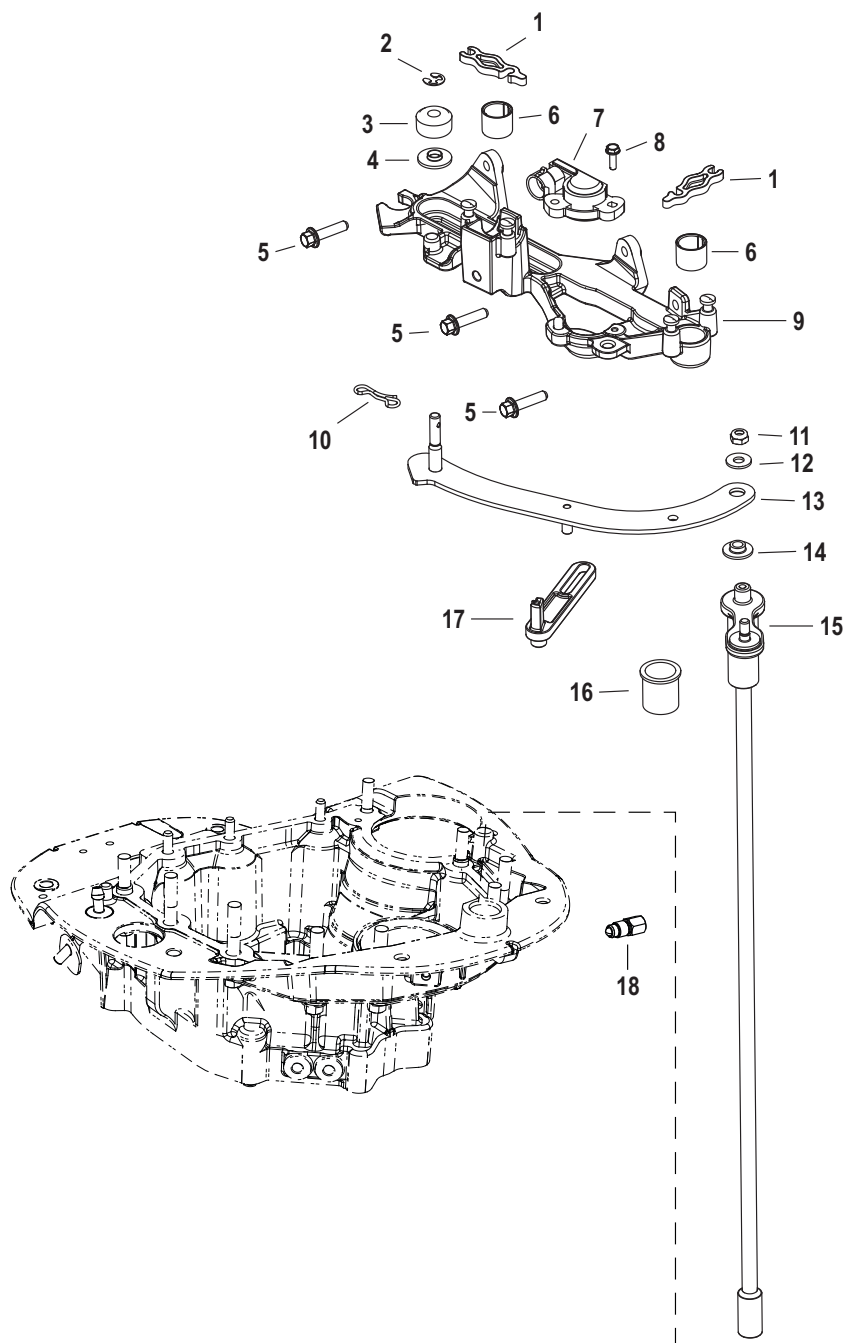


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Ignition

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0300	8M0044991	IGNITION COIL Ignition Dual Output		2	
2	0010	8M0103808	SCREW (M6 x 30 MM) Stainless Steel		4	
3	0000	8M0057769	SPARK PLUG WIRE Set of 4		1	
4	0033	8M0057936	SPARK PLUG NGK ZFR5F		4	

Shift Linkage

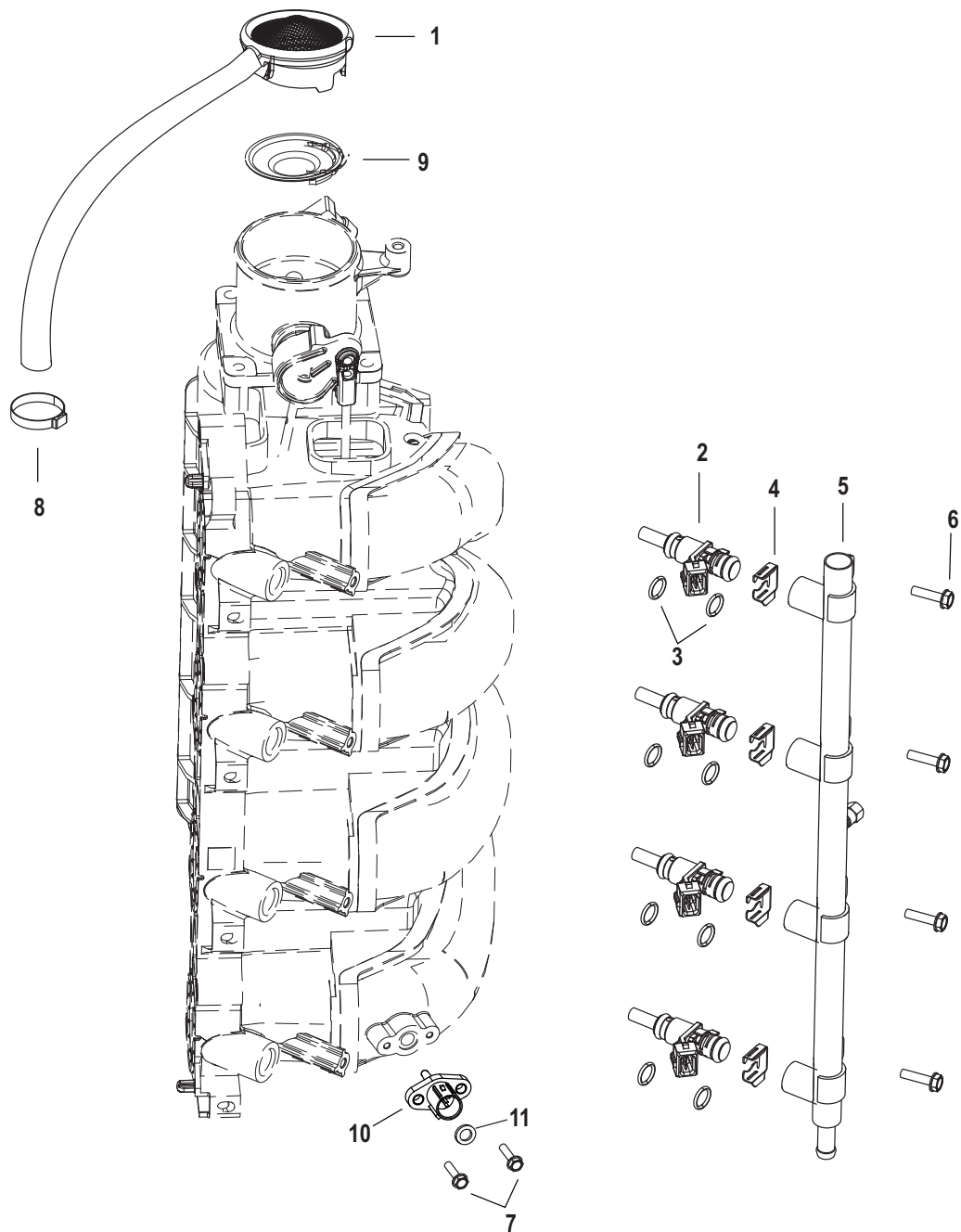


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Shift Linkage

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0000	899044	LATCH		2	
2	0053	27290	RING Retaining		1	
3	0000	8M0031453	ROLLER		1	
4	0012	8M0050560	WASHER		1	
5	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		3	
6	0000	824015	CUP Barrel Retainer		2	
7	0000	8M0125617	SENSOR Position Position		1	
8	0010	4001186	SCREW (M4 X 13) Hex Wash HD SS		1	
9	0000	8M0030886	BRACKET ASSY Shift Link, Painted		1	
10	0000	8M0001157	PIN Bow Tie Clip		1	
11	0011	401386	NUT (M6) Stainless Steel		1	
12	0012	35462	WASHER (.2656 x .625 x .0625) Stainless Steel		1	
13	0000	8M0031454	LINK Shift		1	
14	0023	8M0035249	BUSHING (6.452 MM ID) Flanged		1	
15	0000	8M0071763	SHIFT SHAFT ASSEMBLY		1	
16	0023	8M0063632	BUSHING Flanged		1	
17	0000	8M0032570	LEVER Sensor		1	
18	0000	888823001	SHIFT DETENT ASSEMBLY		1	

Integrated Air Fuel Module

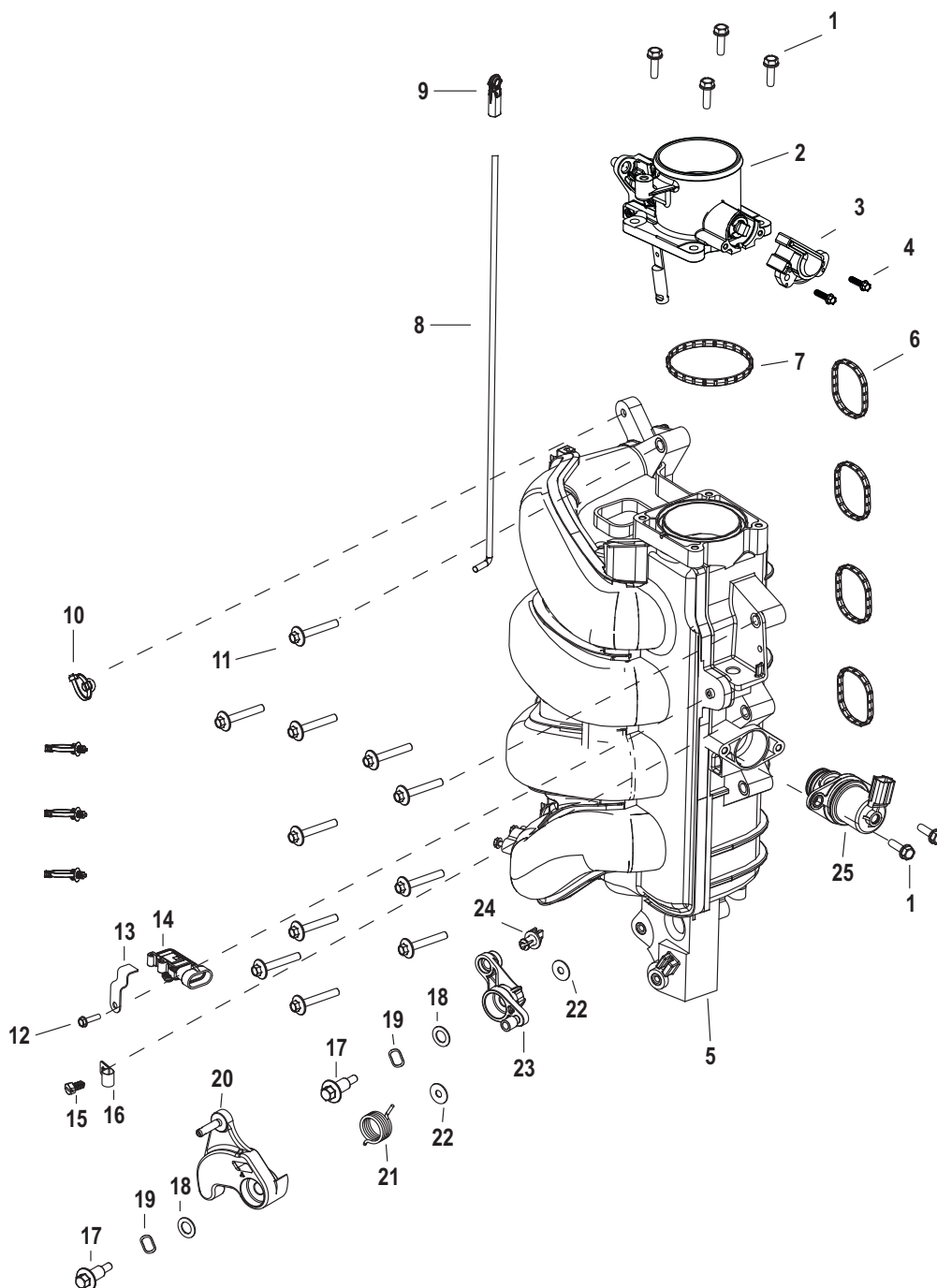


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Integrated Air Fuel Module

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0000	8M0096295	BELL MOUTH ASSEMBLY		1	
2	0000	8M6002428	FUEL INJECTOR		4	
3	0000	879150A09	SEAL KIT		1	
4	0000	8M2001570	CLIP		4	
5	0000	8M0123832	FUEL RAIL		1	
6	0010	897445501	SCREW (M6 x 20 MM)		4	
7	0010	895054	SCREW (M4 x 16 MM)		2	
8	0054	855228	CLAMP		1	
9	0000	8M0094621	RESTRICTOR	SeaPro/ ANZP 135 HP 4 S	1	
10	0000	891663001	SENSOR ASSEMBLY Temperature		1	
11	0027	8M0142578	GASKET MAT Sensor		1	

Integrated Air Fuel Module Components

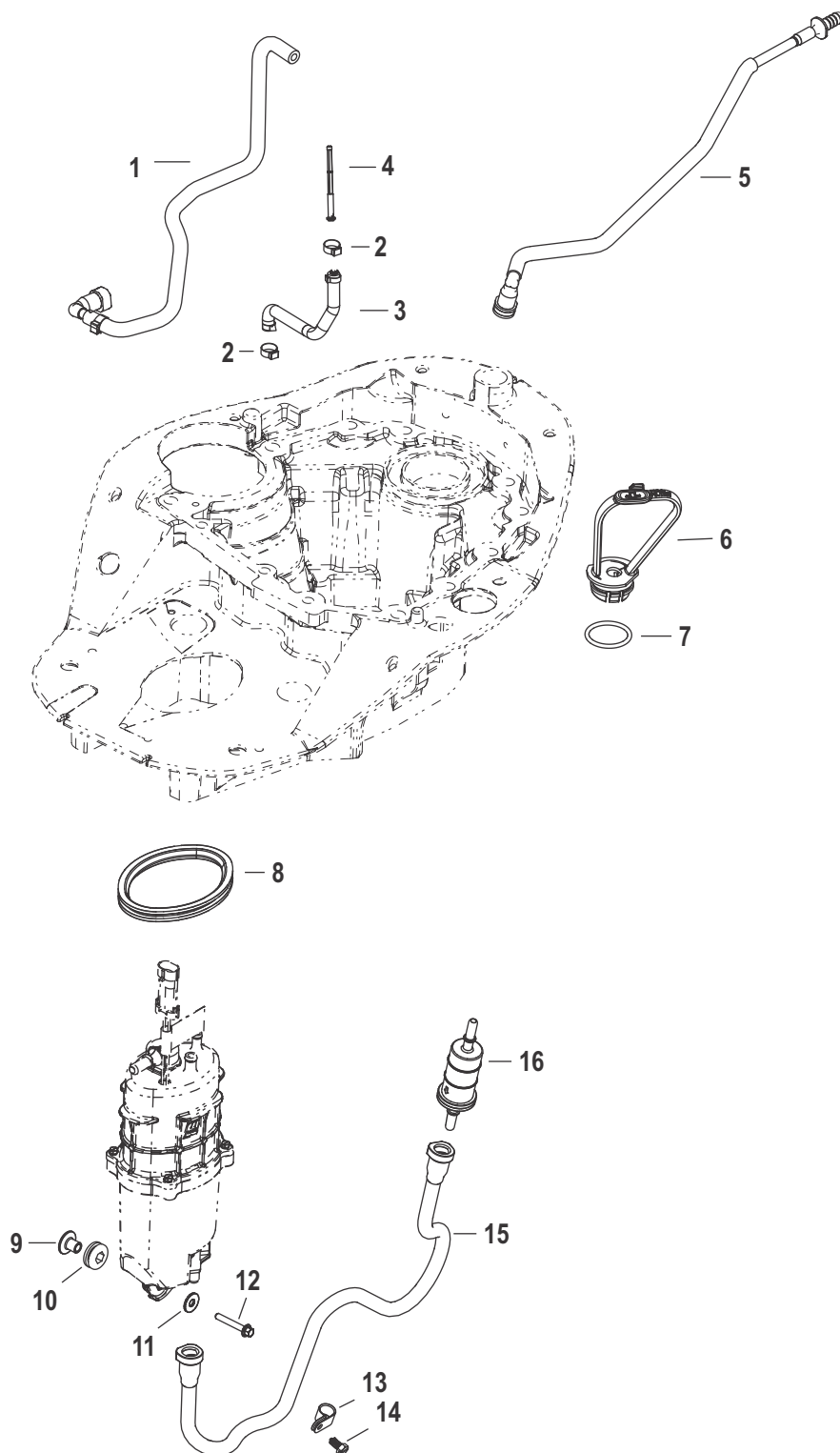


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Integrated Air Fuel Module Components

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0010	897445501	SCREW (M6 x 20 MM)		6	
2	0000	8M0057684	THROTTLE BODY ASSEMBLY		1	
3	0000	8M0125617	SENSOR Position		1	
4	0010	8M0063490	SCREW (M4 X .7 X 16 MM)		2	
5	0000	8M0057685	INTAKE MANIFOLD ASSEMBLY		1	
6	0000	8M0035337	SEAL Port		4	
7	0025	8M0038429	SEAL Throttle Body		1	
8	0000	8M0084746	LINK ROD ASSEMBLY		1	
9	0000	8M0084742	SOCKET		1	
10	0054	899145	CLIP Tie Strap		4	
11	0010	8M0047308	SCREW M6X1X40 HEX FLNG HD		11	
12	0010	895054	SCREW (M4 x 16 MM)		1	
13	0000	8M0047951	BRACKET Map		1	
14	0000	854445	SENSOR MAP		1	
15	0010	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)		1	
16	0054	22740	CLIP		1	
17	0010	8M0071815	BOLT Shoulder, Throttle Lever		2	
18	0012	897937	WASHER		2	
19	0013	898093	WASHER Wave		2	
20	0000	8M0033987	CAM THROTTLE ASSEMBLY		1	
21	0024	897535005	SPRING Throttle Cam Return		1	
22	0012	897936	WASHER		2	
23	0000	8M0075924	LEVER THROTTLE FOLLOWER ASSY		1	
24	0023	932481	BUSHING		1	
25	0000	897526T	IAC VALVE		1	

Fuel Supply System Hoses



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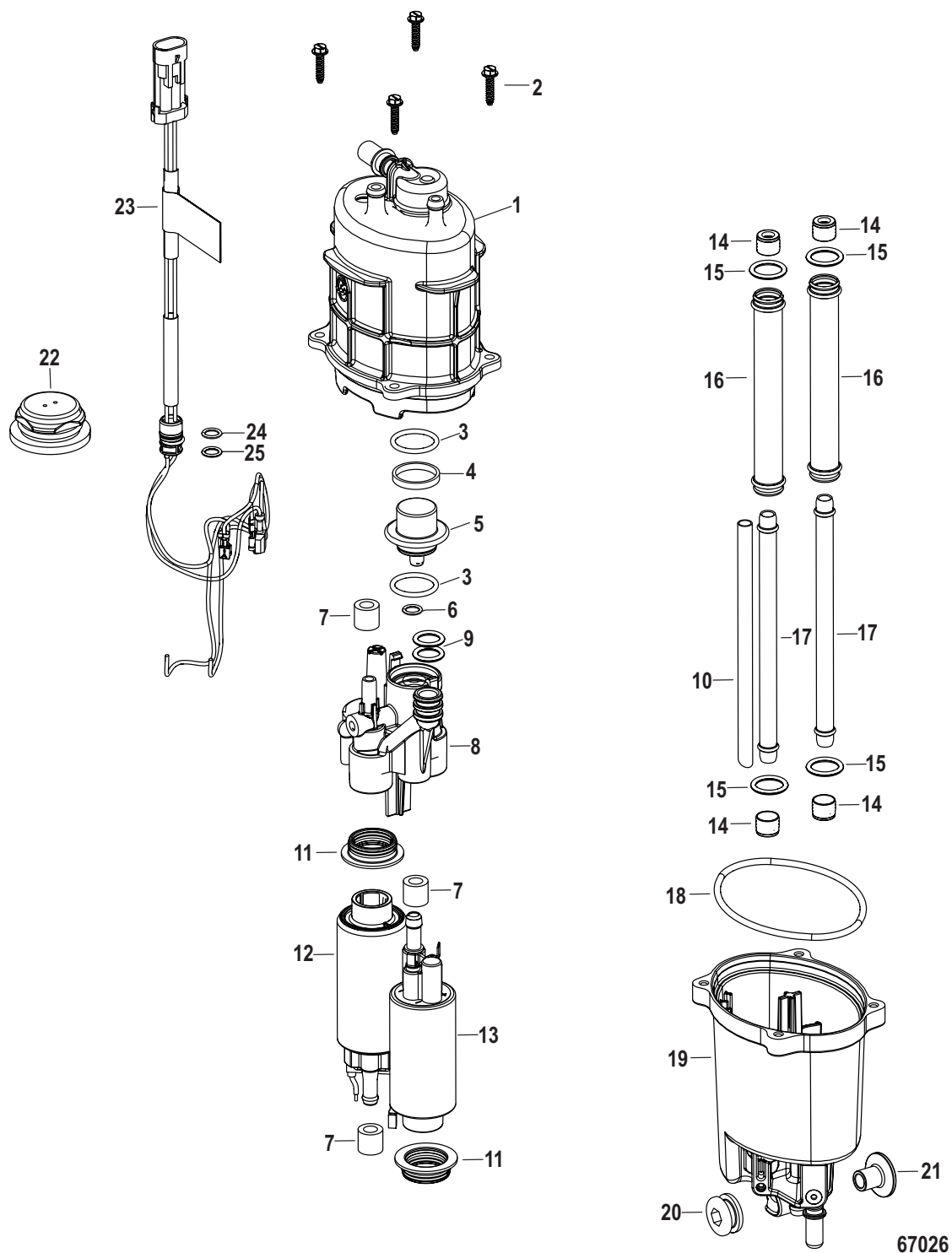
Fuel Supply System Hoses

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0032	8M0034897	HOSE Manifold Ref		1	
2	0054	855697	CLAMP		2	
3	0032	8M0095536	HOSE FSM to Fuel Rail		1	
4	0035	8M0090809	FILTER		1	
5	0032	8M0096482	HOSE Fuel-Inlet to Filter		1	
6	0000	8M0057680	RETAINER Fuel Filter		1	
7	0025	90196	O-RING (.921 x .139)		1	
8	0000	8M0037209	GROMMET FSM Retainer		1	
9	0023	856954	BUSHING		1	
10	0025	834985	GROMMET		1	
11	0012	65567	WASHER (.265 x .750 x .048) Stainless Steel		1	
12	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		1	
13	0054	8M0037098	CLIP Hose		1	
14	0010	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)		1	
15	0032	8M0086989	HOSE Fuel-Filter to FSM		1	
16	0035	879885Q	FILTER Fuel In-Line		1	[1]

PART NOTES:

- [1] - Alternate part numbers:
- 879885KMPP
 - 879885QQS
 - 879885TService Part

Fuel Supply Module



Fuel Supply Module

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
-	0000	8M0132732	FUEL SUPPLY MODULE		1	
1	0000	8M0053726	FSM TOP HOUSING		1	
2	0010	8M0053756	SCREW Plastite W/ HX WSR HD		4	
3		NSS	NOT SOLD SEPARATE O-Ring		2	[1]
4		NSS	NOT SOLD SEPARATE Spacer		1	[1]
5	0000	8M0053749	REGULATOR ASSEMBLY		1	
6		NSS	NOT SOLD SEPARATE O-Ring		1	[1]
7		NSS	NOT SOLD SEPARATE Seal		3	[1]
8	0036	8M0130877	FSM CAP		1	
9		NSS	NOT SOLD SEPARATE O-Ring		2	[1]
10	0032	8M0053755	TUBE Suction		1	
11		NSS	NOT SOLD SEPARATE Seal		2	[1]
12	0000	8M0103288	PUMP ASSEMBLY High Pressure		1	
13	0000	8M0103289	PUMP ASSEMBLY Low Pressure		1	
14		NSS	NOT SOLD SEPARATE Seal		4	[1]
15		NSS	NOT SOLD SEPARATE O-Ring		4	[1]
16	0032	8M0120073	TUBE Water		2	
17	0032	8M0130873	TUBE Fuel		2	
18		NSS	NOT SOLD SEPARATE Seal		1	
19	0000	8M0130878	FSM BOTTOM HOUSING		1	
20	0025	895319	GROMMET		1	
21	0023	856954	BUSHING		1	
22	0025	8M0086888	GROMMET FSM Harness Spacer		1	[1]
23	0084	8M6004776	HARNESS ASSEMBLY		1	
24		NSS	NOT SOLD SEPARATE O-Ring		1	[1]
25		NSS	NOT SOLD SEPARATE O-Ring		1	[1]
-	0000	8M0133370	FSM SEAL KIT		1	

PART NOTES:

[1] - Component of FSM Seal Kit 8M0133370



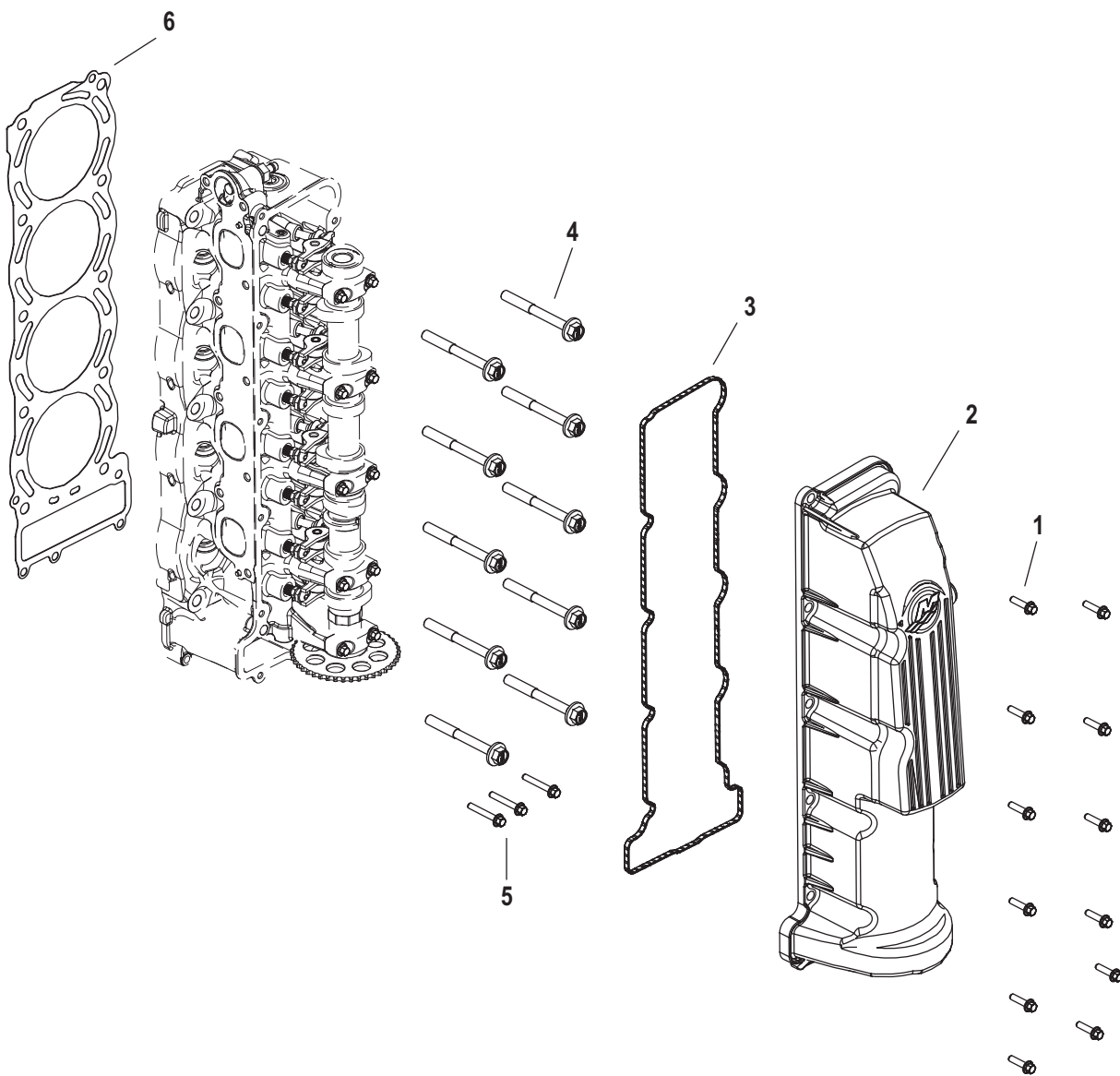
Cooling

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0022	8M0058214	FITTING Water Strainer		1	
2	0054	888988001	CLAMP (36.1 mm)		1	
3	0032	8M0028132	HOSE Thermostat		1	
4	0032	8M0028275	HOSE Tell Tale		1	
5	0054	892833	CLIP		2	
6	0010	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)		4	
7	0054	8M0035891	CLIP Hose		3	
8	0054	8M0037098	CLIP Hose		1	
9	0000	8M0057702	TELLTALE		1	
10	0025	38101	O-RING (.674 x .103)		1	
11	0010	8M0103805	SCREW (M6 x 16MM) Stainless Steel		1	
12	0054	888988011	CLAMP (38.1 MM)		1	
13	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		1	
14	0022	885518A02	FITTING ASSEMBLY		1	
15	0025	62701	O-RING		2	
16	0022	8M0038205	FITTING Straight		1	
17	0032	8M0028130	HOSE FSM, Water Inlet		1	
18	0054	816311T	TIE STRAP (8.00 Inches)		5	
19	0032	8M0035248	HOSE Drain		1	
20	0032	8M0045298	HOSE Sprayer		1	
21	0022	8M0050013	FITTING Exhaust Cooling		1	
22	0022	8M0035658	FITTING 90° with sealant		1	
23	0054	888988022	CLAMP		2	
24	0032	8M0057620	HOSE Flush		1	
25	0032	8M0102826	HOSE ASSEMBLY Flushing		1	
26	0054	855697	CLAMP		1	
27	0032	8M0057599	TUBING (8 ID X 14 OD X 840 MM)		1	
28	0000	8M0048537	BRACKET Hose Clip		1	
29	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		4	
30	0000	892864T06	THERMOSTAT AND HOUSING ASSEMBLY Thermostat		1	
31	0025	8M0005958	O-RING		1	[1]

PART NOTES:

[1] - COMPONENT OF POWERHEAD GASKET KIT 8M0057763

Cylinder Head and Camshaft Cover



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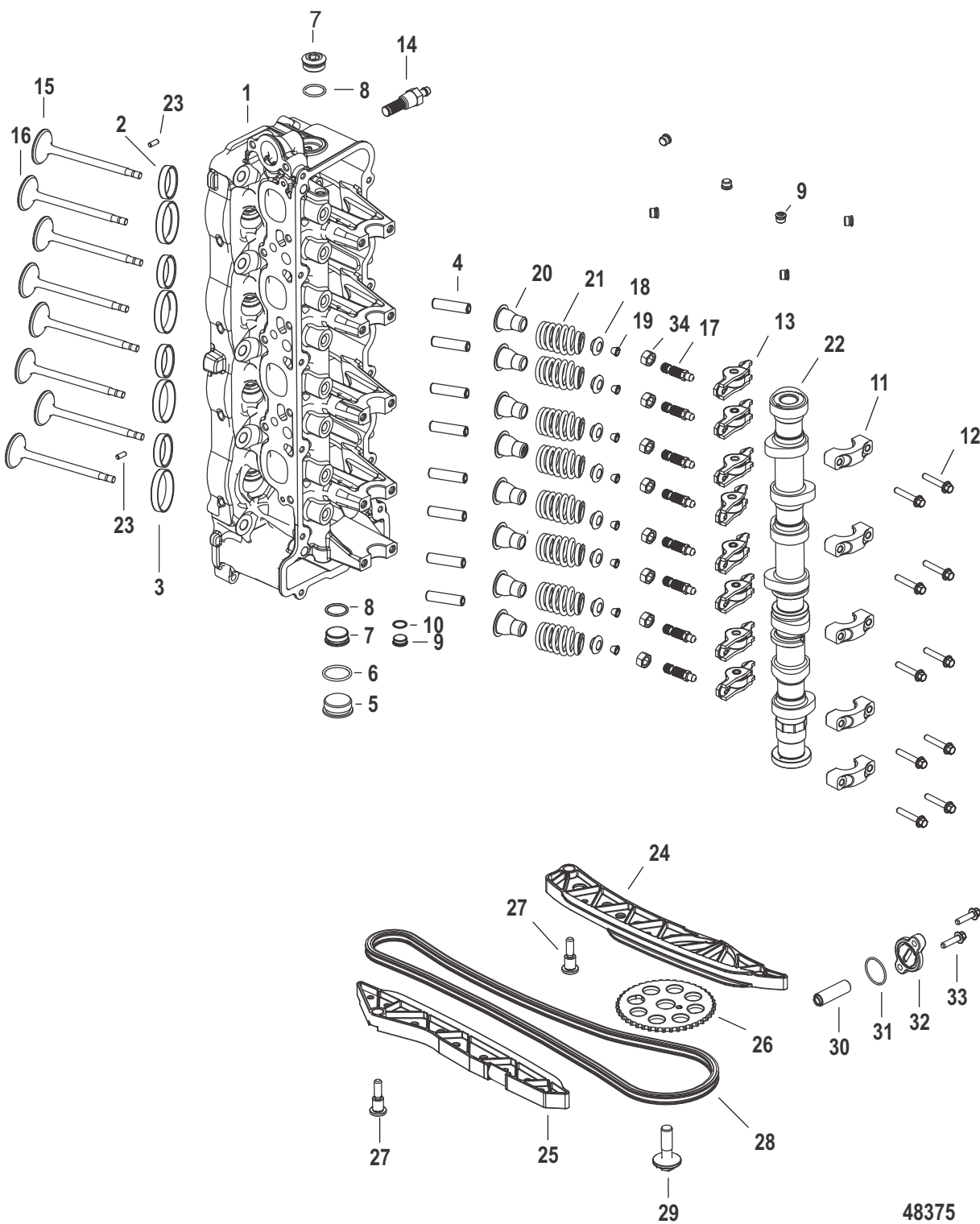
Cylinder Head and Camshaft Cover

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		12	
2	0000	8M0057659	CAMSHAFT COVER ASSY		1	
3	0000	8M0069588	SEAL Camshaft Cover		1	
4	0010	8M0145444	SCREW M10X1.50X95 HX FLG HD		10	
5	0010	8M0103809	SCREW (M6 x 40 MM) Stainless Steel		3	
6	0027	8M6000366	HEAD GASKET		1	[1]

PART NOTES:

[1] - COMPONENT OF POWERHEAD GASKET KIT 8M0057763

Cylinder Head and Camshaft



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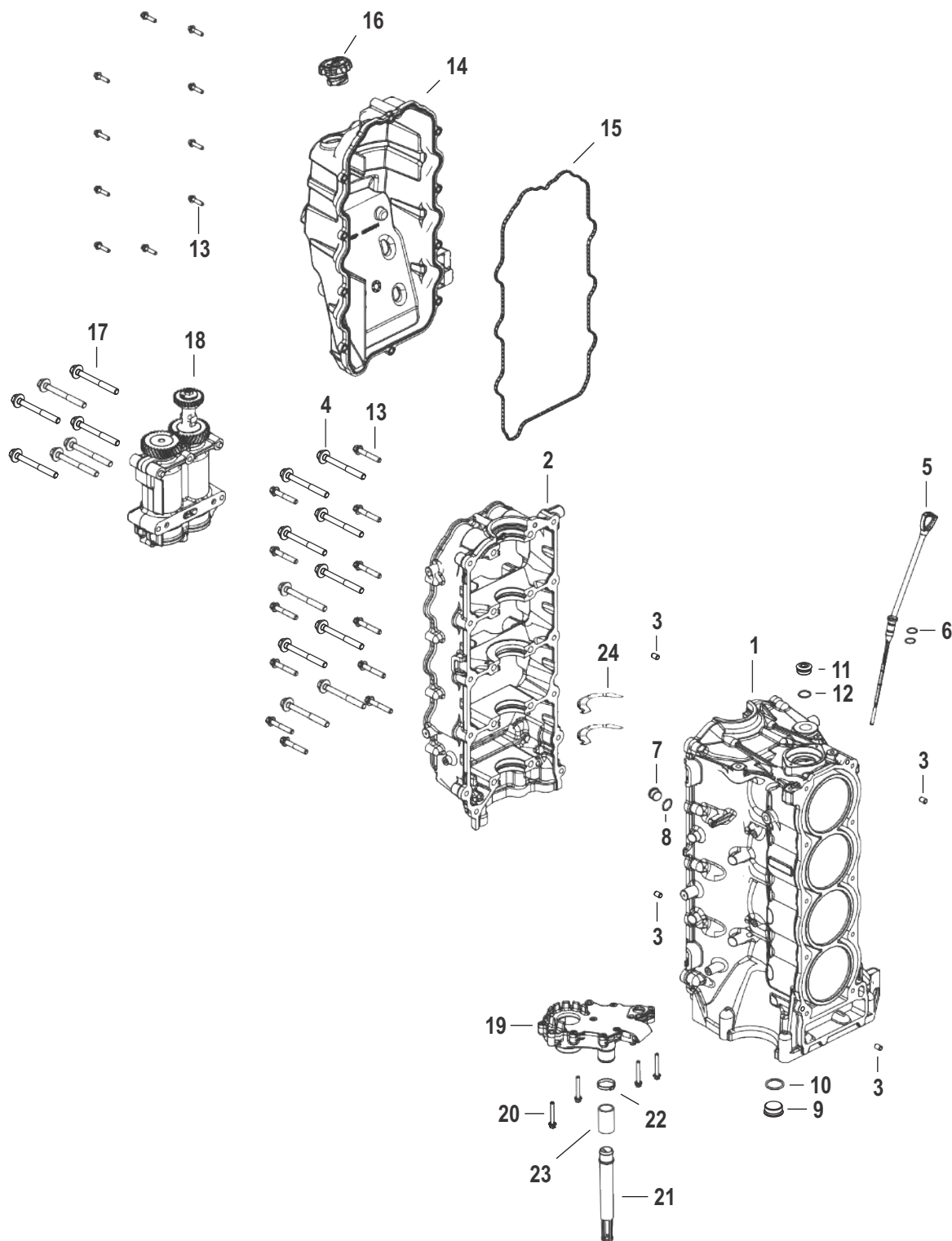
Cylinder Head and Camshaft

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
-	0900	8M0098629	CYLINDER HEAD ASSEMBLY		1	
1	0000	8M0057648	CYLINDER HEAD Bare		1	
2	0000	8M0029981	VALVE SEAT Exhaust		4	
3	0000	8M0029982	VALVE SEAT Intake		4	
4	0000	8M0029980	VALVE GUIDE		8	
5	0019	8M0087454	PLUG (30 MM)		1	
6		NSS	NOT SOLD SEPARATE O-ring, M2.5 X 7		1	
7	0019	8M0087453	PLUG (24 MM)		2	
8		NSS	NOT SOLD SEPARATE O-ring, M2 X 21		2	
9	0019	8M0087446	PLUG (10 MM)		7	
10		NSS	NOT SOLD SEPARATE O-ring, M1.5 X 7		1	
11		NSS	NOT SOLD SEPARATE		4	
12	0010	892454035	BOLT (M6 x 36)		10	
13	0000	8M0032524	ROLLER FINGER FOLLOWER ASSY		1	
14	0022	8M0058214	FITTING Water Strainer		1	
15	0000	8M0098634	VALVE Exhaust		4	
16	0000	8M0098635	VALVE Intake		4	
17	0016	8M0047625	STUD Ball End M10 X 1		8	
18	0000	8M0037758	RETAINER Valve		8	
19	0028	8M0035317	KEY Valve Retainer	2 per valve	16	
20		NSS	NOT SOLD SEPARATE		8	
21	0024	8M6001704	SPRING Valve		8	
22	0400	8M0057653	CAMSHAFT ASSEMBLY		1	
23	0017	8M0084726	PIN Dowel		2	
24	0000	8M0035600	BLADE Timing Chain		1	
25	0000	8M0035484	GUIDE Fixed, Timing Chain		1	
26	0043	880550	SPROCKET		1	
27	0010	8M0086569	SCREW Shoulder (M8 x 1.25)		2	
28	0000	8M0126057	CHAIN Cam		1	
29	0010	8M0021532	SCREW (M12 x 40 MM) Left Hand Thread		1	
30	0000	8M0057657	TENSIONER ASSEMBLY Timing Chain		1	
31	0025	898836	O-RING Brown		1	[1]
32	1100	8M0064752	END CAP Cam Tensioner		1	
33	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		2	
34	0011	8M0047686	NUT M10 X 1		8	

PART NOTES:

[1] - COMPONENT OF POWERHEAD GASKET KIT 8M0057763

Cylinder Block



48376

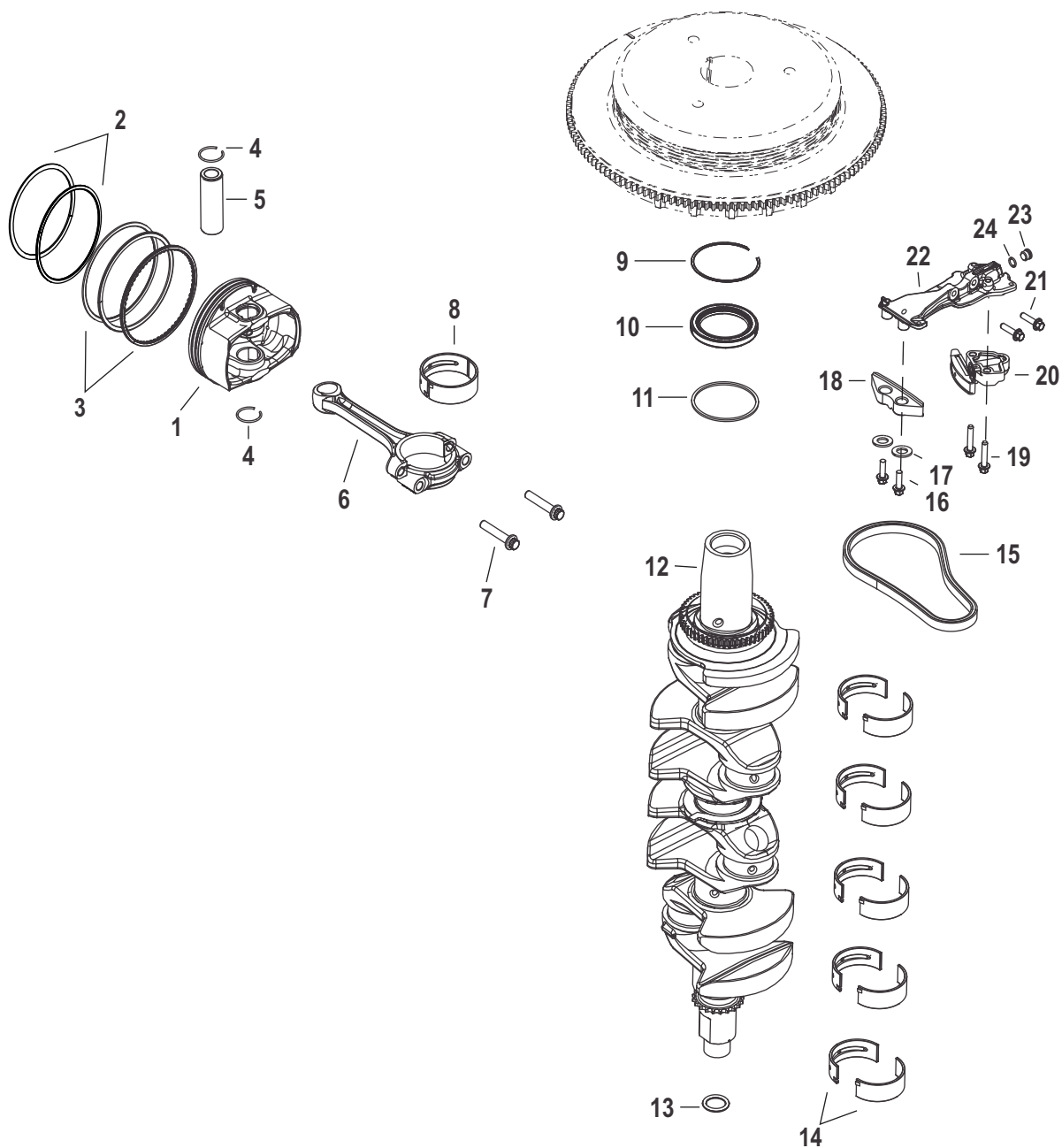
Cylinder Block

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0800	8M0122813	CYLINDER BLOCK ASSY		1	
2		NSS	NOT SOLD SEPARATE Bedplate		1	
3	0017	893540	PIN Dowel, 8x12 long		4	
4	0010	8M0071220	SCREW M10X1.50X95 HX FLG HD		10	
5	0000	8M0074826	DIPSTICK ASSEMBLY		1	
6	0025	8M0048519	O-RING 012, Viton		2	
7	0010	8M0145444	SCREW M10X1.50X95 HX FLG HD		1	
8		NSS	NOT SOLD SEPARATE O-ring, M2 X 15		1	
9	0019	8M0087454	PLUG (30 MM)		1	
10		NSS	NOT SOLD SEPARATE O-ring, M2.5 X 27		1	
11	0019	8M0087453	PLUG (24 MM)		1	
12		NSS	NOT SOLD SEPARATE O-ring, M2 X 21		1	
13	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		12	
14	0000	8M0057645	CRANKCASE COVER		1	
15	0000	8M0069596	SEAL CRANKCASE COVER		1	
16	0000	8M0065093	CAP Oil Fill		1	
17	0010	8M0146359	SCREW (M8 X 1.25 X 95)		7	
18	0000	8M0057670	BALANCE SHAFT ASSEMBLY		1	
19	0000	8M0057658	OIL PUMP ASSEMBLY		1	
20	0010	8M0103810	SCREW (M6 x 45 MM) Stainless Steel		4	
-	0000	8M0055655	OIL PICK UP ASSEMBLY		1	
21		NSS	NOT SOLD SEPARATE		1	
22	0054	8M6000385	CLAMP (39.6 MM)		1	
23	0032	8M0055656	HOSE Oil Pickup		1	
24	0012	8M0043913	THRUST WASHER		2	
-	0027	8M0057763	GASKET SET Powerhead		1	
-	0061	8M0122811	Longblock 4-Stroke 150 Hp		1	[1]
-	0061	8M0122812	SHORT BLOCK ASSEMBLY		1	

PART NOTES:

- [1] - Alternate part numbers:
8M0070524Reman
8M0122811QS

Crankshaft, Pistons and Connecting Rods



48377

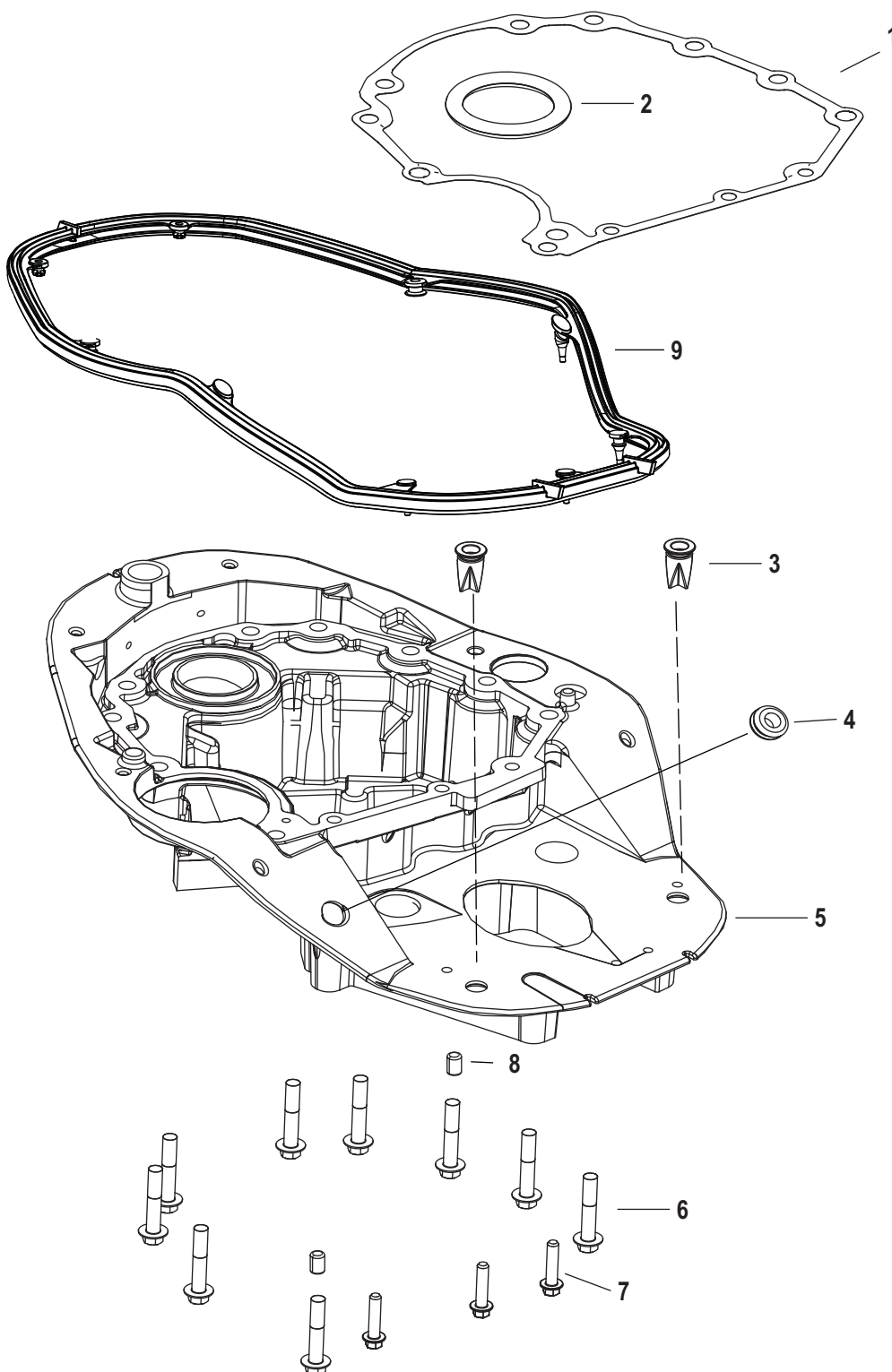
Crankshaft, Pistons and Connecting Rods

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0700	8M0157044	PISTON ASSEMBLY		4	
1	0700	8M0166302	PISTON ASSEMBLY Oversized .02		4	
1	0700	8M0166303	PISTON ASSEMBLY Oversized .03		4	
2	0039	8M0098837	PISTON RING SET		4	
2	0039	8M0166306	PISTON RING SET Oversized .02		4	
2		8M0166307	PISTON RING SET Oversized .03		4	
3		NSS	NOT SOLD SEPARATE Oil Ring Assembly		4	
4	0040	881184	CIRCLIP		8	
5		NSS	NOT SOLD SEPARATE Wrist pin		4	
6	0600	8M0057663	CONNECTING ROD ASSEMBLY		4	
7	0010	8M0064457	SCREW		8	
8	0023	8M0057664	BEARING Connecting Rod, Orange		AR	
8	0023	8M0057691	BEARING Connecting Rod, White		AR	
8	0023	8M0057692	BEARING Connecting Rod, Navy Blue		AR	
9	0053	8M0071542	RETAINING RING		1	
10	0026	8M0035127	SEAL Top main brg flywheel end		1	[1]
11	0023	8M0036025	SPACER		1	
12	0400	8M0057666	CRANKSHAFT ASSY		1	
13	0025	8M0034912	O-RING 3.78 X 21.32		1	[1]
14	0023	8M0109951	BEARING SET Main, Orange		AR	
14	0023	8M0109950	BEARING SET Main, White		AR	
14	0023	8M0109949	BEARING SET Main, Blue		AR	
14	0023	8M0109953	BEARING SET Main, Green		AR	
15	0000	8M0057669	CHAIN Balance Shaft		1	
16	0010	8M0103806	SCREW (M6 x 20 MM) Stainless Steel		2	
17	0012	4002316	WASHER (6.60 X 17.0 X 1.5SS)		2	
18	0000	8M0051757	BALANCE SHAFT Vespel		1	
19	0010	8M0103808	SCREW (M6 x 30 MM) Stainless Steel		2	
20	0000	8M0086230	HYDRAULIC TENSIONER ASSY Vespel		1	
21	0010	8M0058350	SCREW M6X1X25		2	
22	0000	8M0082257	TENSIONER BRACKET Hydraulic		1	
23	0019	8M0087446	PLUG (10 MM)		1	
24		NSS	NOT SOLD SEPARATE O-ring, M1.5 X 7		1	

PART NOTES:

[1] - COMPONENT OF POWERHEAD GASKET KIT 8M0057763

Adapter Plate



48379

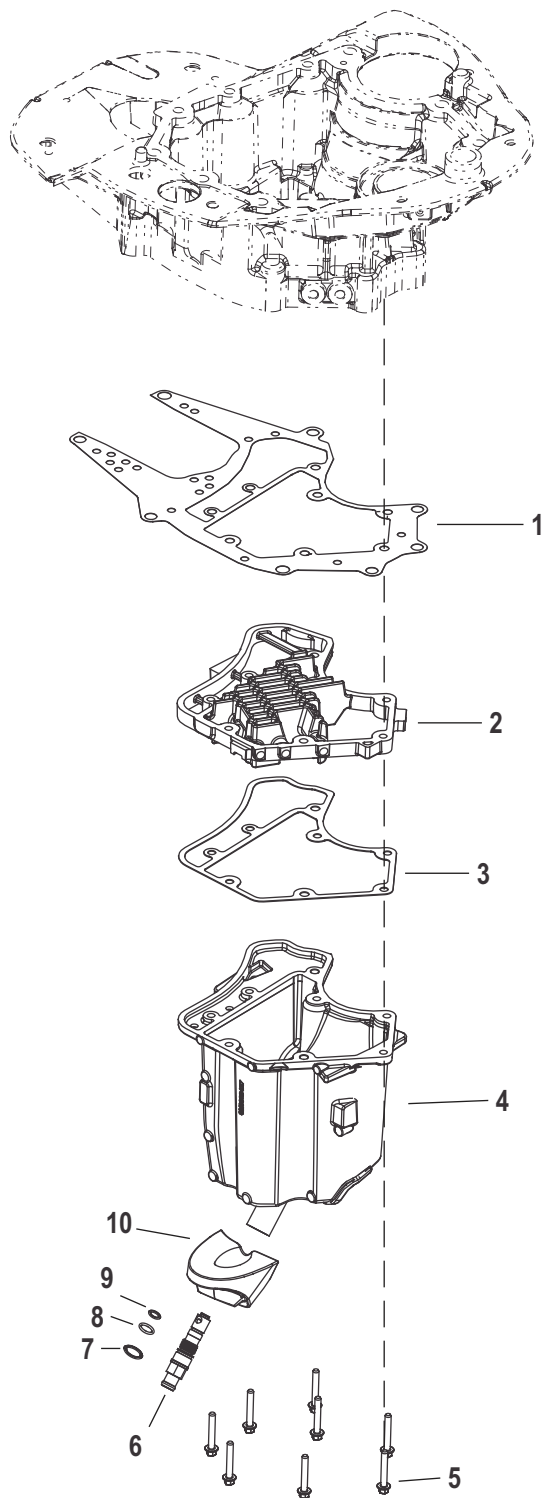
Adapter Plate

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0027	8M0057703	GASKET Adapter Plate/Block		1	[1]
2	0025	8M0065017	O-RING (M10.85 X 58.9)		1	[1]
3	0000	8M0038275	DRAIN Cowl		2	
4	0025	8M0058484	GROMMET		1	
5	0000	8M0057701	ADAPTER PLATE		1	
6	0010	8M0069690	SCREW (M10 X 1.5 X 60)		9	
7	0010	8M0103815	SCREW		3	
8	0017	821327	PIN Dowel		2	
9	0000	8M0044025	SEAL Adapter Plate		1	

PART NOTES:

[1] - COMPONENT OF POWERHEAD GASKET KIT 8M0057763

Oil Sump

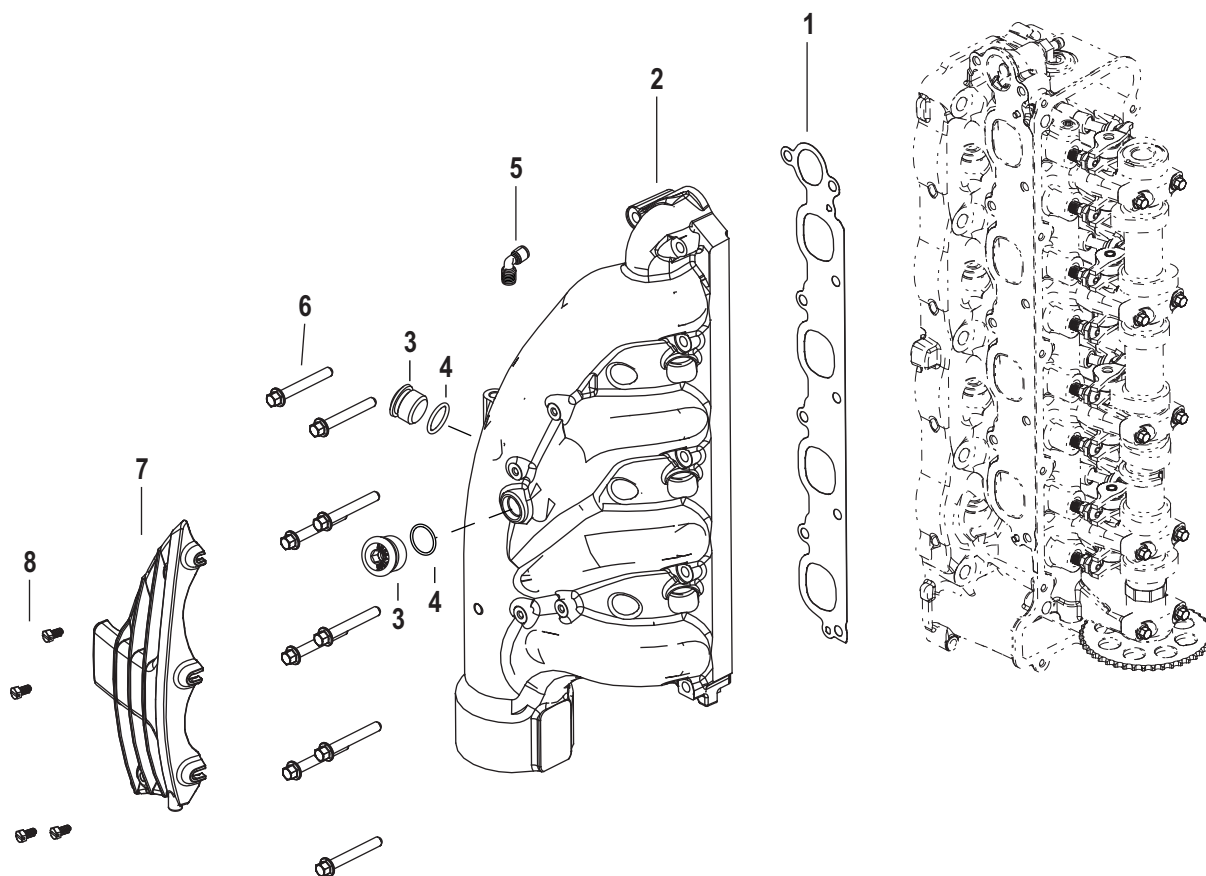


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Oil Sump

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0027	8M0038753	GASKET DSH/ADP Plate		1	
2	0000	8M0057714	OIL COOLER		1	
3	0027	8M0046588	GASKET Cooler to Sump		1	
4	0000	8M0038428	OIL SUMP		1	
5	0010	8M0103809	SCREW (M6 x 40 MM) Stainless Steel		8	
6	0019	8M0112869	OIL PLUG ASSEMBLY		1	
7	0025	85045	O-RING (.551 x .070)		1	
8	0025	62706	O-RING (.426 x .070)		1	
9	0025	8M0036228	O-RING (8.1 X 1.6)		1	
10	0000	8M0034754	SEAL Oil Tank		1	

Exhaust Manifold



48381

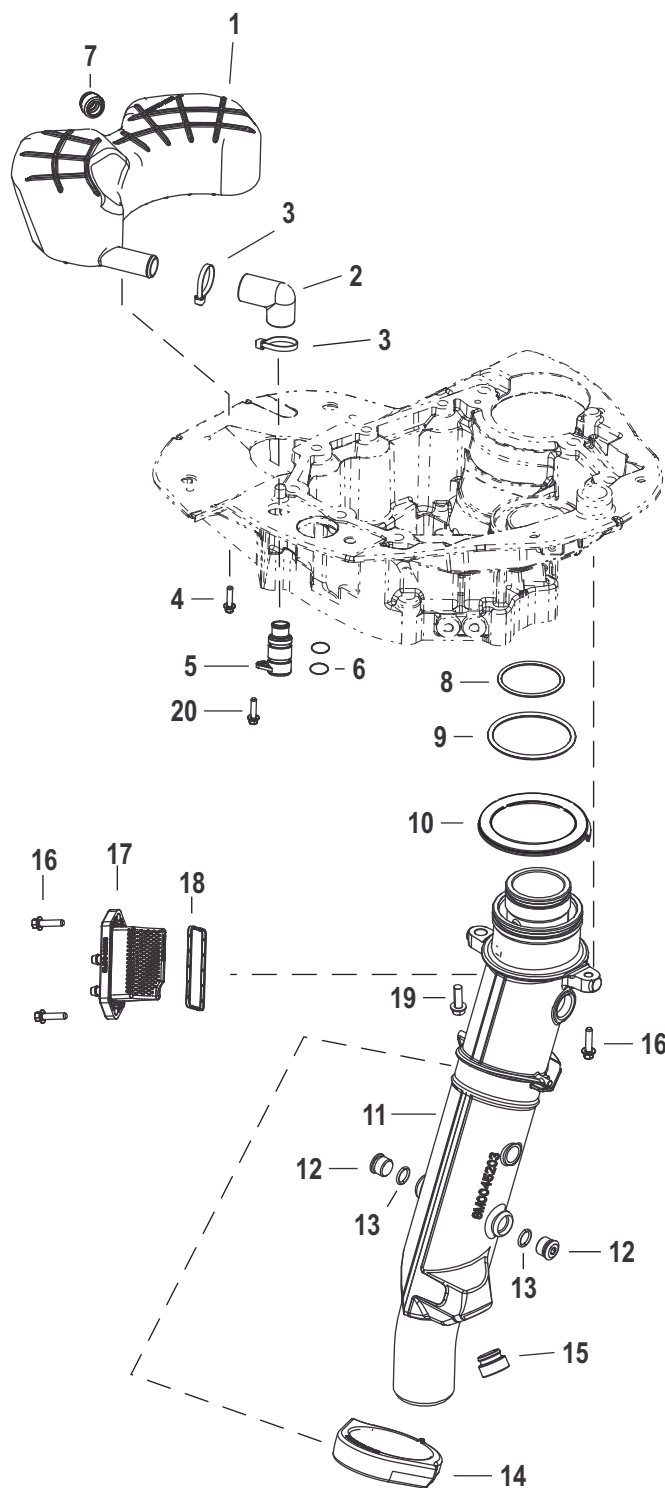
Exhaust Manifold

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0027	8M6000365	GASKET Exhaust Manifold		1	[1]
2	0000	8M0064986	EXHAUST MANIFOLD ASSEMBLY		1	
3	0019	8M0087451	PLUG (18MM)		2	
4		NSS	NOT SOLD SEPARATE O-ring, M2 X 15		1	
5	0022	8M0035658	FITTING 90° with sealant		1	
6	0010	8M0103817	SCREW (M8 x 60)		9	
7	0000	8M0050772	COVER High Tension Lead		1	
8	0010	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)		4	

PART NOTES:

[1] - COMPONENT OF POWERHEAD GASKET KIT 8M0057763

Exhaust



48382

Exhaust

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0042	8M0057720	MUFFLER Idle Relief		1	
2	0000	8M0041811	ELBOW Muffler, Idle Relief		1	
3	0054	8M0065660	CLAMP		2	
4	0010	8M0103804	SCREW (M6 x 12 MM) Stainless Steel		1	
-	0000	8M0054073	IDLE RELIEF TUBE ASSEMBLY		1	
5	0000	8M0053504	TUBE- IDLE RELIEF ADP Exit		1	
6	0025	90196	O-RING (.921 x .139)		2	[1]
7	0025	8M0052942	GROMMET Tailpipe		1	
8	0025	8M0033321	O-RING (-228, D2.234 X D.139)		1	[1]
9	0025	35029	O-RING (78.97 X 3.53 MM)		1	[1]
10	0000	8M0043453	SEAL Flange Exhaust Pipe		1	
11	0000	8M0128074	EXHAUST PIPE ASSY		1	
12	0019	8M0087451	PLUG (18MM)		2	
13		NSS	NOT SOLD SEPARATE O-ring, M2 X 15		2	
14	0000	8M0036226	SEAL Exhaust Pipe		1	
15	0000	8M0034043	GROMMET Water Tube		1	
16	0010	8M0103807	SCREW (M6 x 25 MM) Stainless Steel		3	
17	0000	8M0042150	STRAINER ASSEMBLY		1	
18	0000	8M0043365	SEAL Strainer		1	[1]
19	0010	8M0069690	SCREW (M10 X 1.5 X 60)		1	
20	0010	8M0103805	SCREW (M6 x 16MM) Stainless Steel		1	

PART NOTES:

[1] - COMPONENT OF POWERHEAD GASKET KIT 8M0057763

Cat.# 90-8M0144672	
Swivel Bracket and Swivel Pin	



Cat.# 90-8M0144672	
Swivel Bracket and Swivel Pin	

Swivel Bracket and Swivel Pin

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0010	8M0065195	SCREW (M14x2x115) Hex Flange		2	[1]
2	0012	8M0052629	WASHER Upper Mount Snubber		2	[1]
3	0010	8M0069689	SCREW (M10x1.5x40) Hex Flange		6	[1]
4	0000	8M0111054	MOUNTS - UPPER		2	
4		NSS	NOT SOLD SEPARATE Extreme Duty Mounts	(Only available as part of extreme duty mount kit 8M0081029)	2	[1]
5	0000	8M0133457	STEERING TUBE ASSEMBLY		1	
6	0011	896602	NUT (M14)		2	
7	0010	847401	SCREW (#10-24 x .380)		1	
8	0054	24836	CLIP		1	
9	0012	8M0084612	C-WASHER		1	
10	0000	8M0076463	TRIM SENSOR ASSEMBLY		1	
11	0012	89302	WASHER (.203 x .406 x .040)		2	
12	0010	852368	SCREW (#10-24 x .750)		2	
13	1400	8M0057751	SWIVEL BRACKET ASSEMBLY		1	
14	0023	8M0059091	BEARING Tilt pin 26.38IDx42LG		2	
15	0022	74036	FITTING Grease		1	
16	0023	8M0141339	BUSHING Swivel Tube Pivot		2	
17	0026	8M0034870	SEAL Swivel Tube		2	
18	0012	816432	THRUST WASHER		2	
19	0010	4000325	SCREW (M6 x 8)		1	
20	0000	8M0057726	YOKE Bottom		1	
21	0012	825190	WASHER		2	[1]
22	0010	8M0069492	BOLT (M14x2x155) Hex Flange		2	[1]
23	0000	8M0057725	LOWER MOUNT ASSEMBLY		2	
23		NSS	NOT SOLD SEPARATE Extreme Duty Lower Mounts	(Only available as part of extreme duty mount kit 8M0081029)	2	[1]
24	0012	8M0052453	WASHER Lower Mount Snubber		2	
25	0012	8M0069499	WASHER		2	[1]
26	0000	8M0062747	CABLE ASSEMBLY		1	
27	0011	896602	NUT (M14)		2	[1]
28	0010	4000326	SCREW (M6 x 12)		1	
29	0000	8M0050047	CABLE ASSEMBLY		1	
30	0012	29245	WASHER (.281 x .500 x .060) Stainless Steel		1	
31	0000	8M0049816	RETAINER Trim Lead		1	
32	0023	8M0081024	SPLIT JOURNAL BEARING	[2B063781] & Below	2	
32	0023	8M0081024	SPLIT JOURNAL BEARING	[2B063782] & Up	2	[1]
33	0053	67684	RING Retaining		1	
34	0010	8M0069689	SCREW (M10x1.5x40) Hex Flange		8	[1]
35	0010	4010610	SCREW (M6 x 10) Stainless Steel		1	
36	0000	92876A12	LINK ROD ASSEMBLY		1	
37	0010	849838	SCREW (.375-24 x 1.250)		1	
38	0011	8M0042636	NUT (.375-24) Brass		2	

Cat.# 90-8M0144672	
Swivel Bracket and Swivel Pin	



Cat.# 90-8M0144672

Swivel Bracket and Swivel Pin

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
39	0012	37828	WASHER (.390 x .625 x .062) Stainless Steel		2	
-	0000	8M0081029	KIT Extreme Duty Mount		1	

PART NOTES:

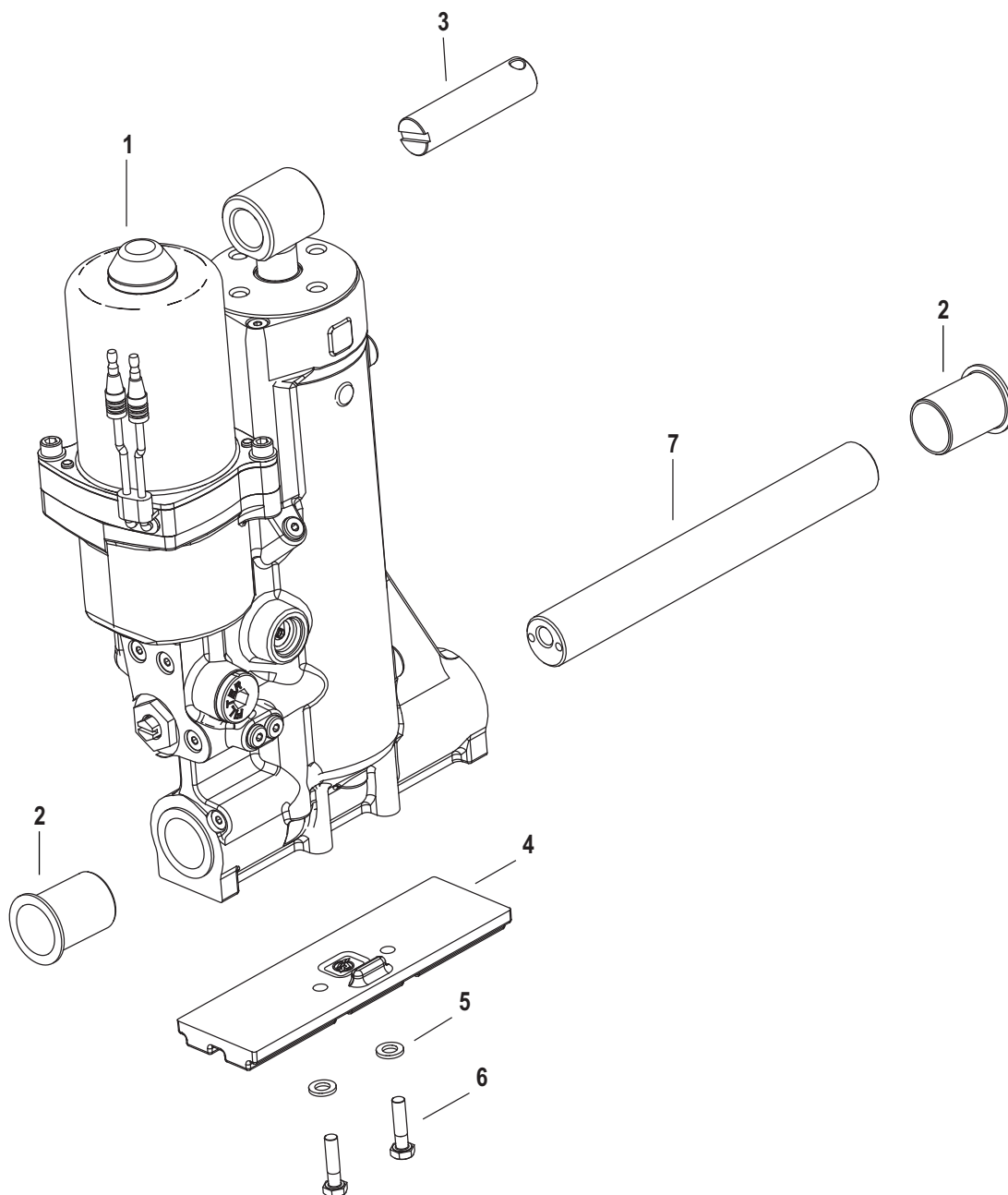
[1] - COMPONENT OF EXTREME DUTY MOUNT KIT 8M0081029



Transom Bracket

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0000	8M0007470	KNOB		1	
2	0017	8M0021914	PIN (.125 x 30 mm)		1	
3	0024	830900	SPRING Compression		1	
4	0023	8M0054598	BEARING Tilt Lock .05 inch ID FLG		2	
5	0011	826135	NUT (1.00-14) Nylon Insert		1	
6	0025	45711	O-RING (.612 x .103)		1	
7	0000	826125A1	TILT TUBE		1	
8	1400	8M0057721	TRANSOM BRACKET Port, Painted		1	
9	0017	893709	PIN		1	
10	0024	830899	SPRING Tension		1	
11	0000	8M0088801	LEVER ASSY Tilt Lock		1	
12	0000	8M0062746	CABLE ASSEMBLY		2	
13	0010	4000325	SCREW (M6 x 8)		2	
14	0012	8M0084612	C-WASHER		1	
15	0054	8M0051768	CLAMP Cable .375		1	
16	1400	8M0061365	BRACKET Transom STBD, paint		1	
17	0010	8M0071543	SCREW (.500-20 x 5.00 HX HD)		2	
18	0012	54012	WASHER (.530 x .870 x .105) Stainless Steel		4	
19	0012	28421	WASHER (1.5 x 3.05 x 0.13) Stainless Steel		2	
20	0011	82671117	NUT (.500-20)		1	
21	0012	8M0057591	WASHER Thrust		2	
22	0010	8M0041013	SCREW M8X1.25 HEX HD		2	
23	0012	8M0054606	WASHER Flat 31.69 OD X 9.01 ID X 3.048 THK		2	
24	0000	8M0050046	CABLE ASSEMBLY		1	
25	0010	4010610	SCREW (M6 x 10) Stainless Steel		1	
26	0011	826164	NUT (.875-14)		1	
27	0000	8M0072610	TILT LOCK LEVER KIT-F150 (L) (XL) (CXL)		1	
28	0023	8M0054598	BEARING Tilt Lock .05 inch ID FLG		1	
29	0017	8M0021914	PIN (.125 x 30 mm)		1	
30	0000	8M0007470	KNOB		1	
31	0000	8M0059532	TRIM LIMIT MODULE		1	
32	0054	816311T	TIE STRAP (8.00 Inches)		1	
33	0000	13541	PLUG Male		1	
34	0023	8M0059091	BEARING Tilt pin 26.38IDx42LG		2	

Power Trim Assembly



48520

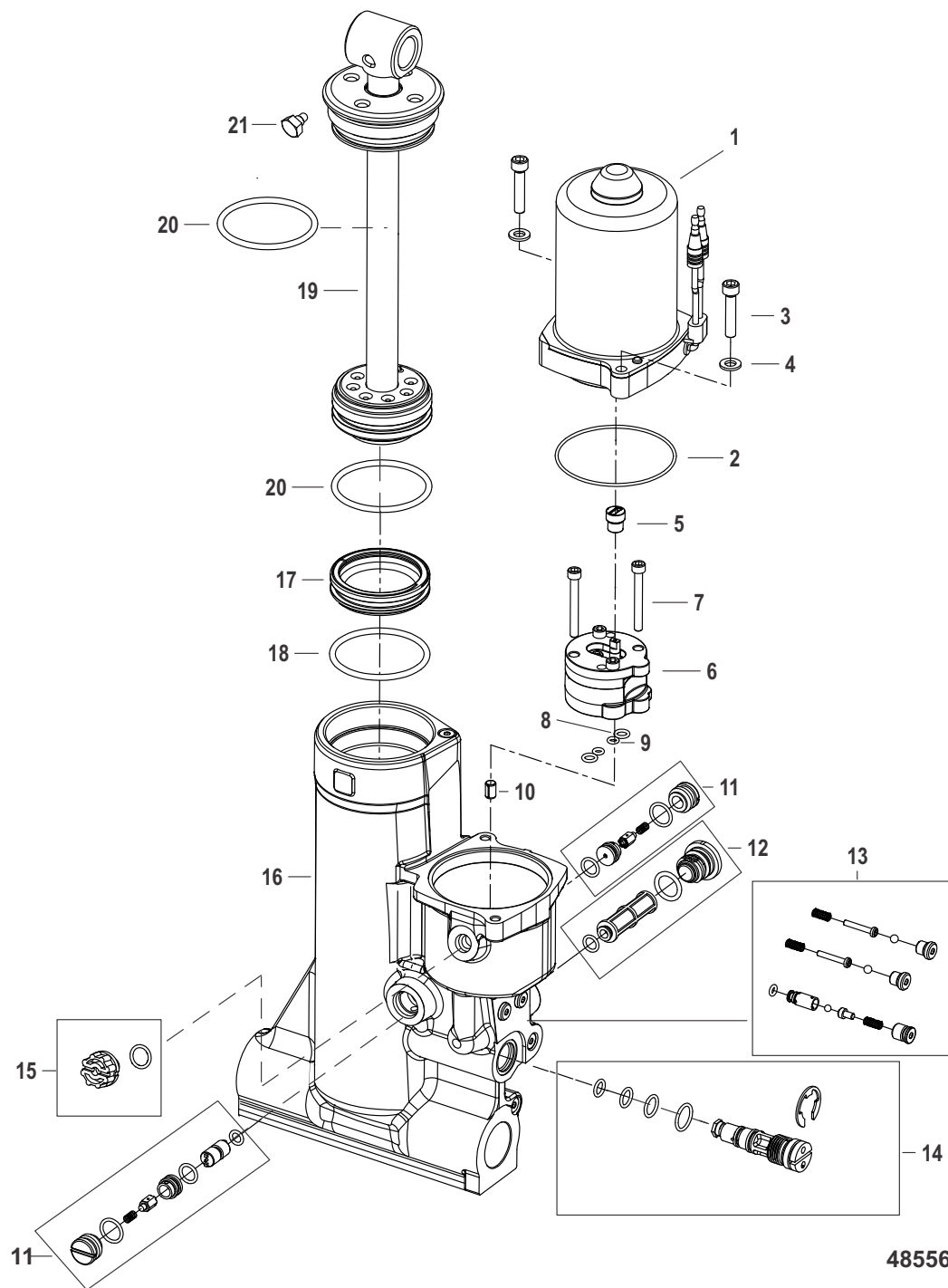
Power Trim Assembly

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0000	8M0057733	TRIM SUBASSEMBLY With lower bushings		1	
2	0023	8M0063891	BEARING KIT Lower Trim Pin		1	
3	0017	8M0094888	PIN Rod Eye Assembly		1	[1]
4	0097	8M0057772	ANODE		1	
5	0012	29245	WASHER (.281 x .500 x .060) Stainless Steel		2	
6	0010	4000330	SCREW (M6 x 25)		2	
7	0017	8M0031192	PIN Trim Pivot		1	

PART NOTES:

[1] - COMPONENT OF EXTREME DUTY MOUNT KIT 8M0081029

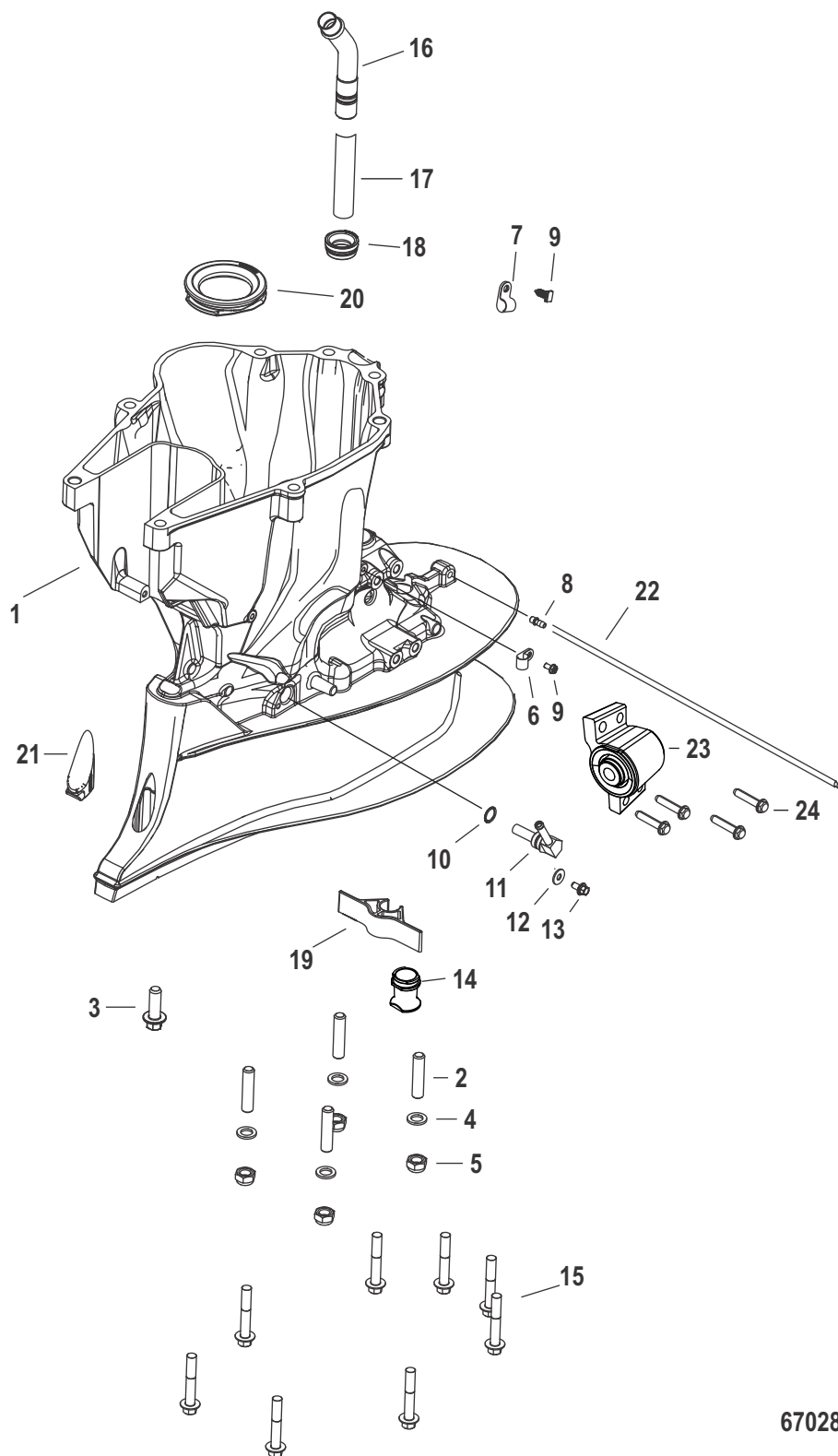
Power Trim Assembly Components



Power Trim Assembly Components

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0000	8M0060140	TRIM ASSEMBLY MOTOR KIT		1	
2		NSS	NOT SOLD SEPARATE O-ring		1	
3	0010	82494830	SCREW (M6 x 30)		2	
4	0013	400256	LOCKWASHER (M6)		2	
5	0000	8M0090403	COUPLING Drive		1	
6	0000	8M0060127	TRIM ASSEMBLY PUMP KIT		1	
7		NSS	NOT SOLD SEPARATE Screw		2	
8		NSS	NOT SOLD SEPARATE O-ring		2	
9		NSS	NOT SOLD SEPARATE O-ring		2	
10		NSS	NOT SOLD SEPARATE Bushing		1	
11	0000	8M0060126	TRIM ASSEMBLY PO CHECK KIT		1	
12	0035	8M0060143	TRIM ASSEMBLY FILTER KIT		1	
13	0000	8M0060128	RELIEF VALVE KIT		1	
14	0000	8M0060141	MANUAL RELEASE KIT		1	
15	0019	811613	PLUG ASSEMBLY		1	
16		NSS	NOT SOLD SEPARATE		1	
17	0000	8M0060146	MEMORY PISTON KIT		1	
18		NSS	NOT SOLD SEPARATE O-ring, Component of 8M0060142		1	
19	0000	8M0060145	SHOCK ROD ASSEMBLY		1	
20		NSS	NOT SOLD SEPARATE O-ring, Component of 8M0060142		2	
21	0010	8M0050058	SCREW 5/16-24 X .5		1	
-	0000	8M0060142	TRIM CYL REBUILD KIT		1	
-	0000	8M0057770	TRIM CYLINDER SEAL KIT Complete		1	
-	0098	8M0127334	POPPET SEAL KIT		1	

Driveshaft Housing

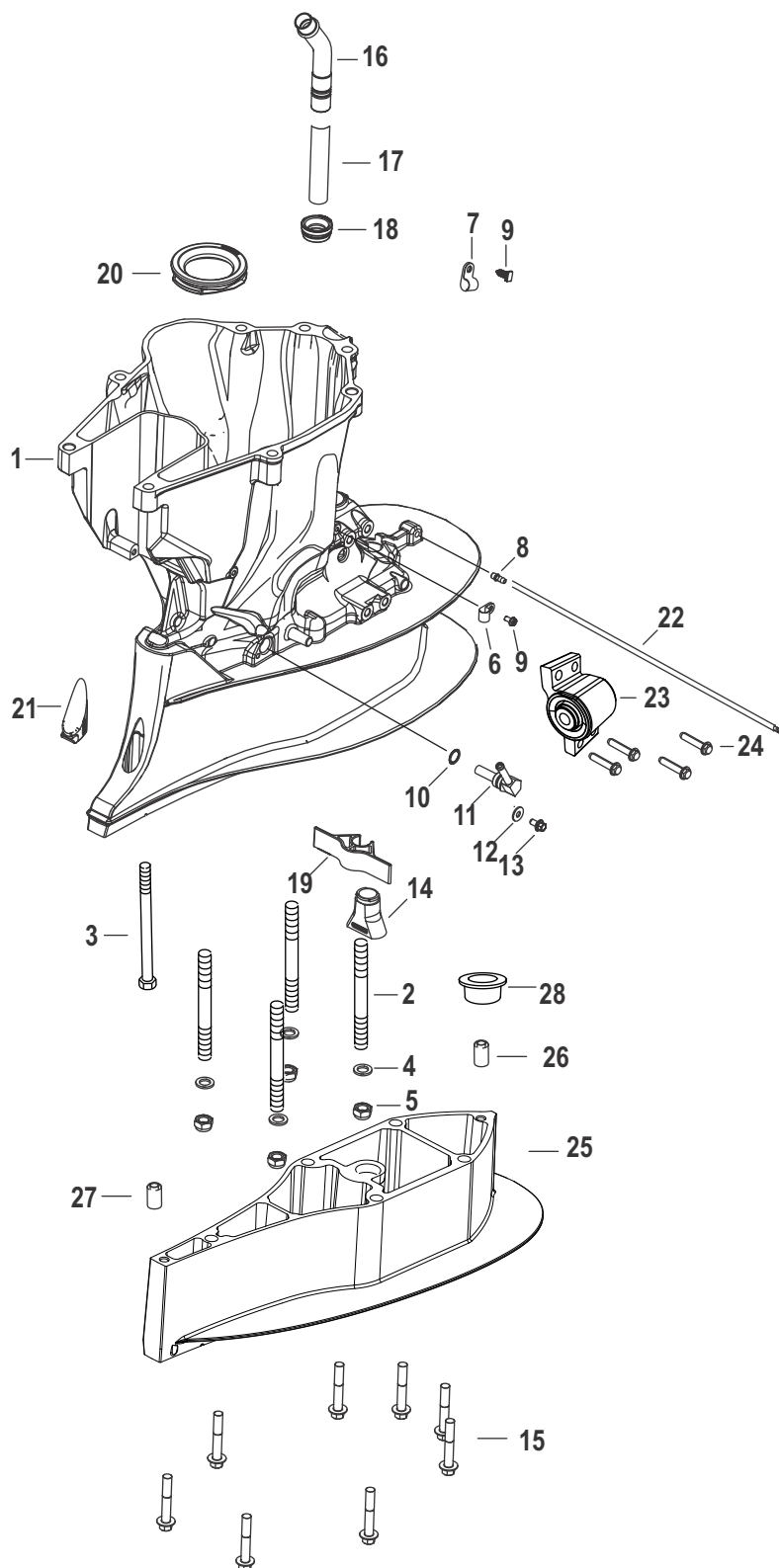


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Driveshaft Housing

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	0000	8M0057710	DRIVESHAFT HOUSING X-long		1	
1	1500	8M0063489	DRIVESHAFT HOUSING Long		1	
2	0016	8M0070951	STUD (M12 x 1.75 x 52)		4	
3	0010	8M0102995	SCREW (M12)		1	
4	0012	856982	WASHER (.500 x .810 x .090) Stainless Steel		4	
5	0011	896895	NUT (M12)		4	
6	0054	8M0051768	CLAMP Cable .375		1	
7	0054	24836	CLIP		1	
8	0022	8M0062365	FITTING Straight		1	
9	0010	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)		2	
10	0025	892446	O-RING (14 X 1.78 MM)		1	
11	0022	8M0050013	FITTING Exhaust Cooling		1	
12	0012	4002316	WASHER (6.60 X 17.0 X 1.5SS)		1	
13	0010	8M0103804	SCREW (M6 x 12 MM) Stainless Steel		1	
14	0023	8M0143836	BUSHING Shift Shaft		1	
15	0010	8M0069690	SCREW (M10 X 1.5 X 60)		8	
16	0000	8M0050520	TUBE Water, X-Long		1	
16	0000	8M0050571	TUBE Water, Long		1	
17	0022	8M0029215	WATER TUBE		1	
18	0025	8M0035476	GROMMET Water Tube		1	
19	0000	8M0042271	GUIDE Water Tube		1	
20	0000	8M0033182	SEAL Exhaust Pipe		1	
21	0019	8M0053657	PLUG X-Long, Rear Driveshaft Housing		1	
21	0019	8M0053658	PLUG Long, Rear Driveshaft Housing		1	
22	0022	8M0057706	HOSE ASSEMBLY Speedometer		1	
23	0000	8M0057725	LOWER MOUNT ASSEMBLY		2	
24	0010	8M0069689	SCREW (M10x1.5x40) Hex Flange		8	

Driveshaft Housing - XL Models -2B753570 and Up

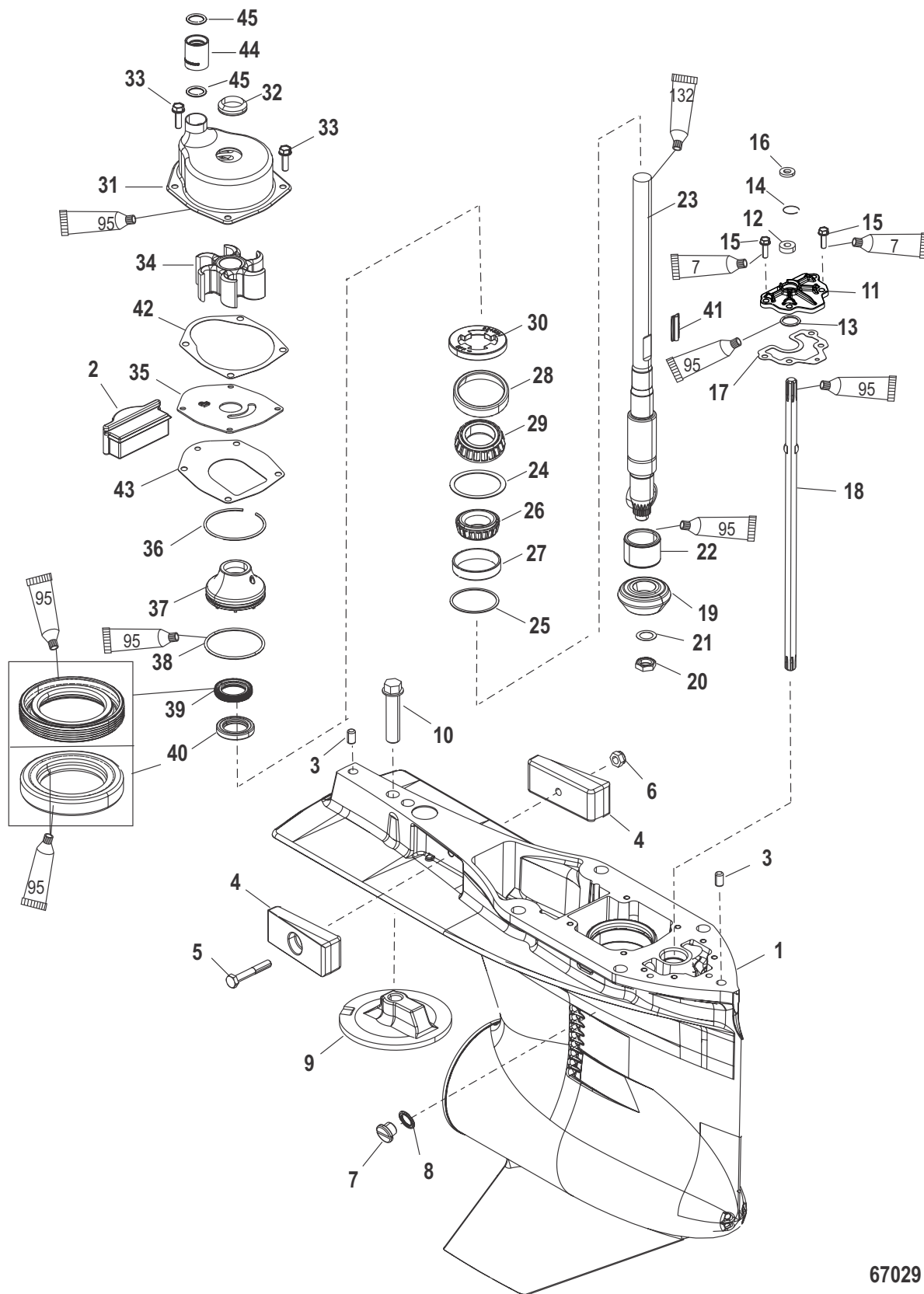


71544

Driveshaft Housing - XL Models -2B753570 and Up

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
1	1500	8M0063489	DRIVESHAFT HOUSING Long		1	
2	0016	8M0008047	STUD (M12 x 179)		4	
3	0010	857137	SCREW (M12 x 160)		1	
4	0012	856982	WASHER (.500 x .810 x .090) Stainless Steel		5	
5	0011	896895	NUT (M12)		4	
6	0054	8M0051768	CLAMP Cable .375		1	
7	0054	24836	CLIP		1	
8	0022	8M0062365	FITTING Straight		1	
9	0010	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)		2	
10	0025	892446	O-RING (14 X 1.78 MM)		1	
11	0022	8M0050013	FITTING Exhaust Cooling		1	
12	0012	4002316	WASHER (6.60 X 17.0 X 1.5SS)		1	
13	0010	8M0103804	SCREW (M6 x 12 MM) Stainless Steel		1	
14	0023	8M0143836	BUSHING Shift Shaft		1	
15	0010	8M0069690	SCREW (M10 X 1.5 X 60)		8	
16	0000	8M0050520	TUBE Water, X-Long		1	
17	0000	8M0050570	TUBE Water Spacer, X-long		1	
18	0025	8M0035476	GROMMET Water Tube		1	
19	0000	8M0042271	GUIDE Water Tube		1	
20	0000	8M0033182	SEAL Exhaust Pipe		1	
21	0019	8M0053658	PLUG Long, Rear Driveshaft Housing		1	
22	0022	8M0057706	HOSE ASSEMBLY Speedometer		1	
23	0000	8M0057725	LOWER MOUNT ASSEMBLY		2	
24	0010	8M0069689	SCREW (M10x1.5x40) Hex Flange		8	
25	0000	8M0105088	SPACER Driveshaft Housing X-Long		1	
26	0017	43044	PIN Dowel - Without Hole (.375 x .625)		1	
27	0017	8M0084244	PIN Dowel		1	
28	0023	8M0061394	BUSHING		1	

Gear Housing Driveshaft



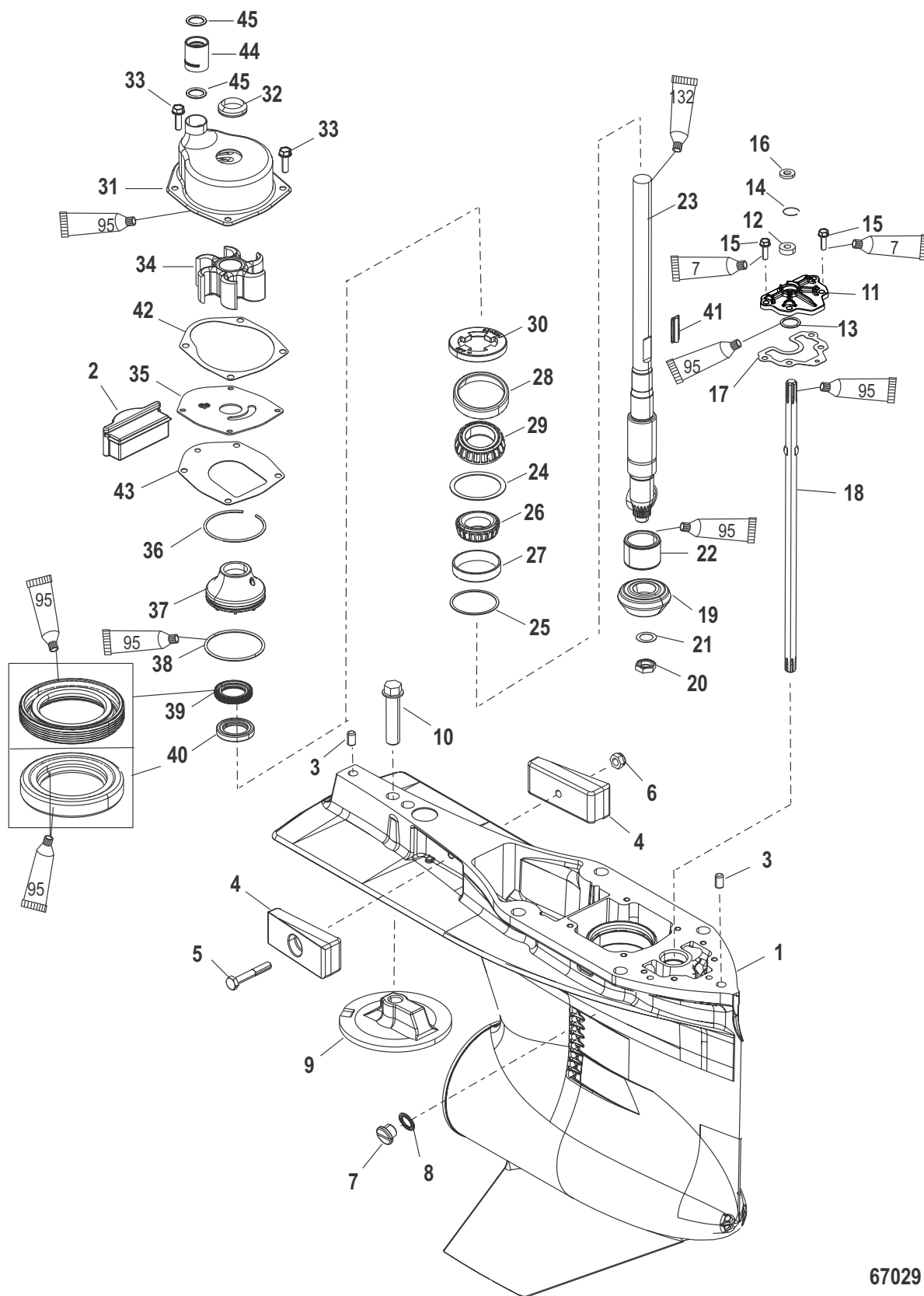
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Gear Housing Driveshaft

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
-	1600	8M0144441	GEAR HOUSING ASSEMBLY Complete, Long		1	
-	1600	8M0144442	GEAR HOUSING ASSEMBLY Complete, XL		1	
1	1600	8M0145312	GEARCASE Basic		1	
2	0000	8M0010459	FILLER BLOCK		1	
3	0017	8M0084244	PIN Dowel		2	
4	0097	826134Q	ANODE		1	[1]
5	0010	4000333	SCREW (M6 x 40)		1	
6	0011	401386	NUT (M6) Stainless Steel		1	
7	0010	79953A04	PLUG ASSEMBLY (.375-16 x .250)		1	
8	0026	830749	SEAL		1	[2]
9	0097	76214T5	ANODE KIT	(Mercury)	1	[3]
9	0097	76214Q5	ANODE KIT	(Quicksilver)	1	[3]
10	0010	806327	SCREW (.437-14 x 1.750)		1	
11	0000	8M0144416	COVER ASSEMBLY		1	
12	0026	8164641	SEAL Oil		1	[2]
13	0025	896522	O-RING (799 x .103)		1	[2]
14	0053	8M0046563	RETAINING RING		1	
15	0010	8M0144417	SCREW		4	
16	0012	77674	WASHER		1	
17	0027	8M0144418	GASKET		1	[2]
18	0000	8M0144414	SHIFT SHAFT Long		1	
18	0000	8M0144415	SHIFT SHAFT Extra-Long		1	
19		NSS	NOT SOLD SEPARATE Pinion Gear	(Component of 43-880709A02)	1	
20	0011	35921	NUT (.625-18)		1	
21	0012	92721	WASHER		1	
22	0031	42647A1	BEARING ASSEMBLY Roller		1	
23	0045	8M0144407	DRIVESHAFT Long		1	
23	0045	8M0144411	DRIVESHAFT XL		1	
24	0015	8M0063267	SHIM SET		1	
25	0015	8M0063268	SHIM SET		AR	
26	0031	48939A2	BEARING Tapered Roller		1	
27		NSS	NOT SOLD SEPARATE Cup		1	
28	0031	36387A1	BEARING ASSEMBLY Roller/Cup		1	
29		NSS	NOT SOLD SEPARATE Cup		1	
30	0000	8245191	RETAINER		1	
31	0000	817275A09	HOUSING Water Pump-Complete		1	
32	0026	861415A1	SEAL KIT		1	[4]
33	0010	8M4503518	SCREW (M6 X 1.0 X 20)		4	[5]
34	0047	43026T2	IMPELLER		1	[6]
35	0000	8172761	FACEPLATE		1	[7]
36	0053	880719	RING Retaining		1	
37	0000	8M0007131	CARRIER ASSEMBLY Oil Seal		1	[2]
38	0025	896523	O-RING (2.175 x .103)		1	[2]

Gear Housing Driveshaft

Gear Housing Driveshaft



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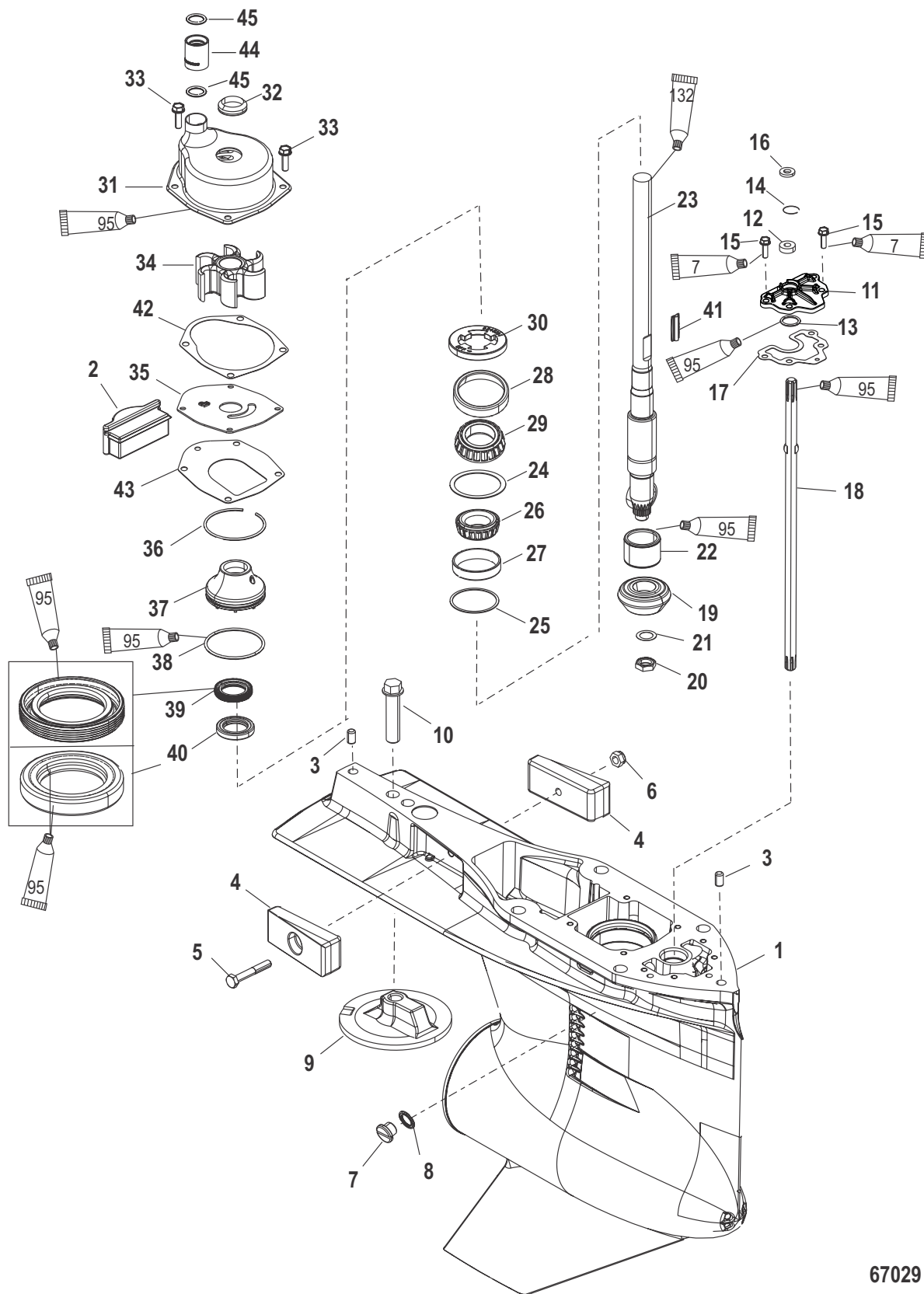
Gear Housing Driveshaft

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
39		NSS	NOT SOLD SEPARATE Oil Seal		1	[2]
40		NSS	NOT SOLD SEPARATE Oil Seal		1	[2]
41	0028	8M0032833	KEY		1	[7]
42	0027	8172771	GASKET		1	[8]
43	0027	8M0112903	GASKET Rubber Molded Steel		1	[8]
44	0000	8M0036238	COUPLING Water Pump		1	
45	0025	21836	O-RING (.796 x .139)		2	[9]
-	0026	8M0146719	SEAL KIT Gear Housing		1	
-	0047	8M0100526	REPAIR KIT Water Pump		1	[10]
-	0000	817275A08	REPAIR KIT Water Pump-Upper		1	

PART NOTES:

- [1] - Alternate part numbers:
826134Service Part
826134QQS
826134TMPP
826134T 3Magnesium
8M0059344Bulk Pack
- [2] - COMPONENT OF GEAR HOUSING SEAL KIT 830749A01
- [3] - Alternate part numbers:
76214 5Service Part
76214A 6Magnesium
76214Q 5QS
76214T 5MPP
8M0059339Bulk Pack
- [4] - COMPONENT OF GEAR HOUSING SEAL KIT 830749A01
COMPONENT OF WATER PUMP REPAIR KIT-817275A08
- [5] - COMPONENT OF WATER PUMP REPAIR KIT-817275A08
- [6] - Alternate part numbers:
43026Q02QS
43026T 2Service Part
COMPONENT OF WATER PUMP REPAIR KIT-817275A08
IMPELLER REPAIR KIT 8M0100526
- [7] - COMPONENT OF WATER PUMP REPAIR KIT-817275A08
IMPELLER REPAIR KIT 8M0100526
- [8] - COMPONENT OF GEAR HOUSING SEAL KIT 830749A01
COMPONENT OF WATER PUMP REPAIR KIT-817275A08
IMPELLER REPAIR KIT 8M0100526
- [9] - IMPELLER REPAIR KIT 8M0100526

Gear Housing Driveshaft

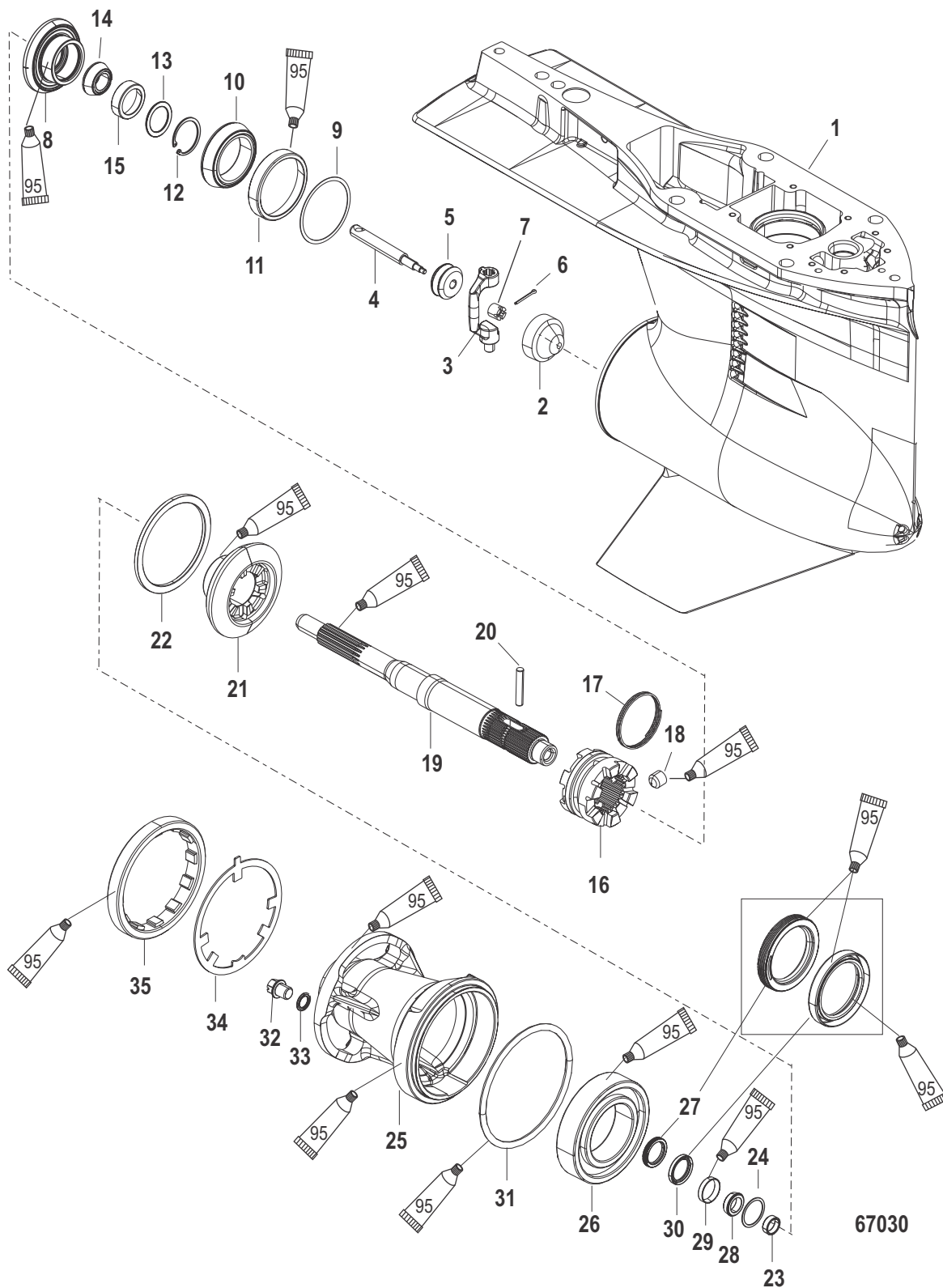


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Gear Housing Driveshaft

- [10] - Alternate part numbers:
- 8M0100526QS
- 8M0100527MPP

Gear Housing Propeller Shaft



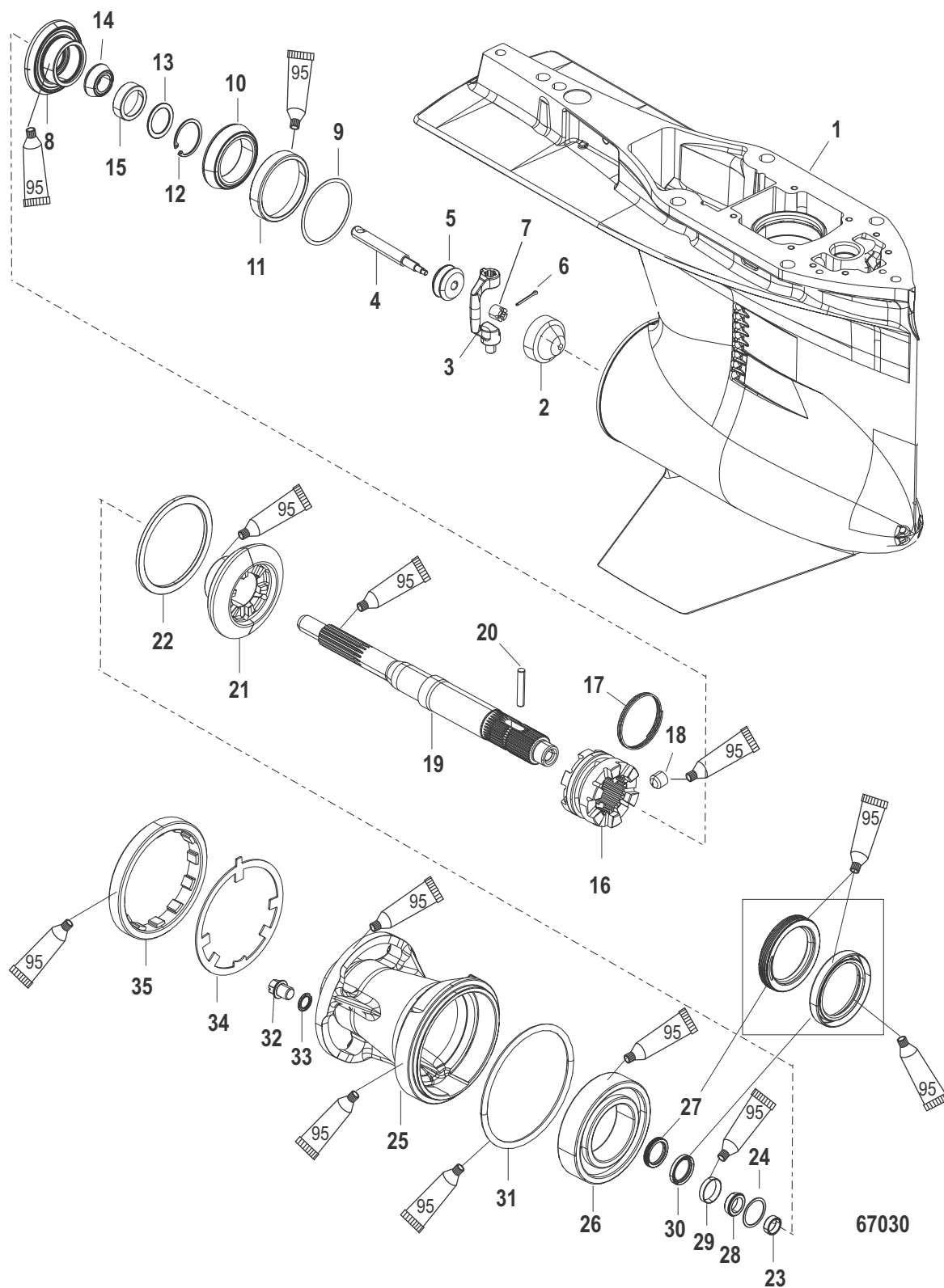
Gear Housing Propeller Shaft

Gear Housing Propeller Shaft

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
-	1600	8M0144441	GEAR HOUSING ASSEMBLY Complete, Long		1	
-	1600	8M0144442	GEAR HOUSING ASSEMBLY Complete, XL		1	
1	1600	8M0145312	GEARCASE Basic		1	
2		NSS	NOT SOLD SEPARATE Plug		1	
3	0000	8M0046215	CRANK, Shifter 1/4 Pivot Pin		1	
4	0000	19755T7	SPOOL ASSEMBLY		1	
5		NSS	NOT SOLD SEPARATE Spool		1	
6	0018	469501	COTTER PIN		1	
7		NSS	NOT SOLD SEPARATE Sleeve Adjusting		1	
8	0043	880709A03	GEAR ASSEMBLY Forward		1	
9	0015	8M0063270	SHIM SET		AR	
10	0031	884323T01	BEARING ASSEMBLY Roller		1	
11		NSS	NOT SOLD SEPARATE Cup		1	
12	0053	8M0051043	RETAINING RING		1	
13	0012	8M0053823	THRUST WASHER		1	
14	0031	884325T01	BEARING ASSEMBLY Roller- Tapered		1	
15		NSS	NOT SOLD SEPARATE Cup		1	
16	0052	880714T	CLUTCH		1	
17	0024	30893	SPRING		1	
18	0017	828356	PIN Detent		1	
19	0044	8M0140446	PROPELLER SHAFT		1	
20	0017	8M0100263	PIN Cross		1	
21	0043	8M0119541	GEAR ASSEMBLY		1	
22	0000	880699	THRUST RING		1	
23	0023	8M0064306	SPACER		1	
24	0015	8M0076745	SHIM SET		1	
24	0012	8M0050423	WASHER .020		A/R	
24	0012	8M0050424	WASHER .022		A/R	
24	0012	8M0050425	WASHER .024		A/R	
24	0012	8M0050427	WASHER .026		A/R	
24	0012	8M0050428	WASHER .028		A/R	
24	0012	8M0050429	WASHER .030		A/R	
24	0012	8M0050430	WASHER .032		A/R	
24	0012	8M0050431	WASHER .034		A/R	
24	0012	8M0050432	WASHER .036		A/R	
24	0012	8M0050433	WASHER .038		A/R	
24	0012	8M0050434	WASHER .040		A/R	
24	0012	8M0050435	WASHER .042		A/R	
24	0012	8M0050436	WASHER .044		A/R	
24	0012	8M0050437	WASHER .046		A/R	
24	0012	8M0050438	WASHER .048		A/R	
24	0012	8M0050439	WASHER .050		A/R	
25	0000	8M0083392	CARRIER ASSEMBLY Bearing		1	

Gear Housing Propeller Shaft

Gear Housing Propeller Shaft



Gear Housing Propeller Shaft

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
26	0030	8M0142873	BEARING		1	
27	0026	888483	SEAL Oil		1	[1]
28	0031	884330T01	BEARING ASSEMBLY Tapered		1	
29		NSS	NOT SOLD SEPARATE Cup		1	
30	0026	888483	SEAL Oil		1	[1]
31	0025	896524	O-RING (3.850 x .210)		1	[1]
32	0010	880717A01	SCREW/SEAL KIT		1	
33	0026	830749	SEAL		1	[1]
34	0014	880697	KEYED WASHER		1	
35	0000	8M2000347	RETAINER		1	
-	0026	8M0146719	SEAL KIT Gear Housing		1	

PART NOTES:

[1] - COMPONENT OF GEAR HOUSING SEAL KIT 830749A01

Accessories

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
-	0000	8M0109543	FUEL FILTER KIT Remote Water Seperating		1	
-	0000	8M0097838	FUEL FILTER KIT		1	
-	0000	8M0059529	TRIM SENSOR CONVERTER KIT		1	
-	0000	8M0090447	PRESSURE SENSOR KIT		1	
-	0000	8M0059531	BLOCK WATER PRESSURE KIT		1	
-	0000	8M0059532	TRIM LIMIT MODULE		1	
-	0000	8M0082355	CABLE KIT - THROTTLE AND SHIFT 150 4S		1	
-	0000	8M0134604	TILLER HANDLE ASSEMBLY Big Tiller-Mechical, Power Steer F150		1	
-	0032	8M0062693	HOSE KIT Rigging		1	
-	0000	8M0060147	SKEG		1	
-	0000	8M0103448	ADAPTER/MODULE Power Steering		1	
-	0067	8M0064433	JET PUMP 110 Hp FourStroke		1	

Lube Chart

1	75-80 Belex Polar Gear Oil
2	Bi-Wax Anti-Corrosion Grease
4	Chemlith 2A Grease
5	Amber Jell (American Oil)
6	Dow Chemical Co. DC-4
7	Loctite 271
8	EZ Turn Sealer
9	Loctite Pipe Sealant W/Teflon
10	Loctite 277 With Primer "N"
12	Loctite 514 Gasket Eliminator
13	Loctite HVV Pipe Sealant
14	Formula 50, 2-Cycle Motor Oil
15	Resiweld #7002
16	Keystone No-Weld #1(Alternate #58)
17	Loctite 35 With Primer "N"
19	Perfect Seal Sealing Compound #4
20	Loctite 312
22	G.E. Silicone Sealer Type 108 (Alternate #81)
23	Green Soap
24	Rust Inhibitor
25	Gaco N700
26	Loctite Superbonder 495
27	Bellows Adhesive
28	Transmission Fluid
29	Loctite 515
30	Formula 50 2-Cyc. W/ 8-10% Molykote M-Gear Guard
32	Formica #100 Brushable Adhesive
33	Loctite 680
34	Bearing Compound #101
36	P80 Rubber Lubricant
37	Bi-Wax 7049
38	Bi-Wax 7017 Thinned W/Xylol 40/60
39	3M #1300 Adhesive
40	GM #987266 Perfect Seal
41	Supermil Eng. Oil #06212 Grade 2
42	Unirex N-2
44	Hi-Pressure Grease
45	N-Butyl Alcohol
46	G.E. Glyptal
47	Engine Oil Formula 4R
49	Fel Pro C-670, 25% Mix W/Formula 50D
50	Cindol 4683 High Pressure W.B.E.
51	Loctite 222
52	Perfect Seal #5MM-Blue
53	Perfect Seal #5MM-Natural
54	Mineral Oil
55	La-Co Slic-Tite
56	Loctite Superbonder 430
58	Fel-Pro C638 Thread Compound
59	Perfect Seal #5.5
60	Loctite 601
61	Titeseal #T25 Medium Weight
62	PermaBond 105 Cyanacrylate Adhesive
64	Loctite Superbonder 414
66	Loctite 242
67	Loctite 290
68	Loctite 609
69	Loctite 416 Super Bond
70	Ideal Ind. 31-355 (Yellow-77)

74	Loctite 405
75	Loctite 18010 (518 Homo)
76	Dow Corning 736 High Temp RTV Sealant
77	Loctite 620
78	G.E. Sealer RTV #1473
79	25W40 4-Cycle Engine Oil
80	30W 4-Cycle Engine Oil
81	Never Seeze Lube Compound
82	Citco DF 236Gear Oil
83	732 RTV Black Sealant
84	Perma-Lok 115 Adhesive
85	Dow Corning 732 Mult Sealant (RTV)(Black/Clear)
86	Loctite 262
87	Belray 65413 Gear Oil
90	Vinyl Solution Coating
91	Chemtool Alpha 2000 Grease
92	Loctite Locquic Primer N
93	Ruse Free 302
94	Anti-Corrosion Grease
95	Chemtool Duralube Special
96	Loctite Superbonder 454 Gel
97	Loctite 18010 (518 Homo) W/Primer "N"
98	Optimoly White Paste
99	Isopropyl Alcohol
100	Sprayon Lube 00711
101	Hot Glue
102	Formula 50D TCW III
103	Formula 50D TCW III Biodegradable
104	Loctite RC 635
105	PermaBond Superbonder Plus #799
106	Hot Glue EM3022Ps Ellsworth Adhesives
107	3M #847 Adhesive
108	Loctite RC 635 W/Locquic Primer T#747
109	Loctite 271 W/Primer T#747
110	4-Cycle Oil (10W-30)
111	Torque Seal F-900
112	Loctite 326
113	Loctite Molypaste Low Friction Lubricant
114	Power Trim & Tilt System Oil
115	TCW-III Premium Plus Oil
116	RTV 587 Silicone Sealer
117	Loctite 7649 Primer
118	Loctite 4205 Instant Adhesive Gel
119	Storage Seal Rust Inhibitor
120	Corrosion Guard
121	15W-40 4-Cycle Diesel Engine Oil
122	Extended Life Antifreeze/Coolant
123	Marine Engine Coolant
124	Fuel System Treatment & Stabilizer
125	Heat Transfer Compound
126	Liquid Gasket
127	T442 Sealant
128	Loctite 5900 Ultra Black RTV Sealant
129	Loctite Gasket Remover
130	Sealer Kit, Two Part Epoxy
131	Loctite 5920 Ultra Copper Hi Temp RTV Silicone
132	Chemtool Alpha 2000 HD W/Moly
133	Chemtool CT-C30A Lubricating Grease
134	Loctite 380
135	Three Bond 1217F
136	Lubriplate SPO 255

Reference 90-88667 Chart-Lubes, Adhesives

2671

Cat.# 90-8M0144672

Lube Chart

Ref #	Part Class	Part Number	Description	Comments	Qty	Note
-		NOPART	NO PARTS LIST		0	

PARTS INDEX

Part No.	Description	Pg.	Ref.no	Part No.	Description	Pg.	Ref.no
13541	PLUG Male	50	33	19755T7	SPOOL ASSEMBLY	66	4
21836	O-RING (.796 x .139)	62	45	22740	CLIP	22	16
24836	CLIP	46	8	24836	CLIP	56	7
24836	CLIP	58	7	27290	RING Retaining	18	2
28421	WASHER (1.5 x 3.05 x 0.13) Stainless Steel	50	19	29245	WASHER (.281 x .500 x .060) Stainless Steel	46	30
29245	WASHER (.281 x .500 x .060) Stainless Steel	52	5	30893	SPRING	66	17
35029	O-RING (78.97 X 3.53 MM)	44	9	35462	WASHER (.2656 x .625 x .0625) Stainless Steel	18	12
35921	NUT (.625-18)	60	20	36387A1	BEARING ASSEMBLY Roller/Cup	60	28
37828	WASHER (.390 x .625 x .062) Stainless Steel	48	39	38101	O-RING (.674 x .103)	28	10
4000325	SCREW (M6 x 8)	46	19	4000325	SCREW (M6 x 8)	50	13
4000326	SCREW (M6 x 12)	46	28	4000330	SCREW (M6 x 25)	52	6
4000333	SCREW (M6 x 40)	60	5	40011106	SCREW (M5 x 13) Stainless Steel	14	4
40011126	SCREW (M6 x 13) Stainless Steel	14	13	40011126	SCREW (M6 x 13) Stainless Steel	14	17
40011145	SCREW (M8 x 10) Stainless Steel	12	23	4001186	SCREW (M4 X 13) Hex Wash HD SS	18	8
4002316	WASHER (6.60 X 17.0 X 1.5SS)	4	6	4002316	WASHER (6.60 X 17.0 X 1.5SS)	8	26
4002316	WASHER (6.60 X 17.0 X 1.5SS)	36	17	4002316	WASHER (6.60 X 17.0 X 1.5SS)	56	12
4002316	WASHER (6.60 X 17.0 X 1.5SS)	58	12	400256	LOCKWASHER (M6)	54	4
4010610	SCREW (M6 x 10) Stainless Steel	46	35	4010610	SCREW (M6 x 10) Stainless Steel	50	25
401386	NUT (M6) Stainless Steel	12	3	401386	NUT (M6) Stainless Steel	18	11
401386	NUT (M6) Stainless Steel	60	6	42647A1	BEARING ASSEMBLY Roller	60	22
43026T2	IMPELLER	60	34	43044	PIN Dowel - Without Hole (.375 x .625)	58	26
43430	WASHER	14	9	45711	O-RING (.612 x .103)	50	6
469501	COTTER PIN	66	6	48939A2	BEARING Tapered Roller	60	26
54012	WASHER (.530 x .870 x .105) Stainless Steel	50	18	62701	O-RING	28	15
62706	O-RING (.426 x .070)	40	8	65567	WASHER (.265 x .750 x .048) Stainless Steel	12	6
65567	WASHER (.265 x .750 x .048) Stainless Steel	24	11	67684	RING Retaining	46	33
74036	FITTING Grease	46	15	76214Q5	ANODE KIT	60	9
76214T5	ANODE KIT	60	9	77674	WASHER	60	16
79953A04	PLUG ASSEMBLY (.375-16 x .250)	60	7	806327	SCREW (.437-14 x 1.750)	60	10
811613	PLUG ASSEMBLY	54	15	816311T	TIE STRAP (8.00 Inches)	12	21
816311T	TIE STRAP (8.00 Inches)	28	18	816311T	TIE STRAP (8.00 Inches)	50	32
816432	THRUST WASHER	46	18	8164641	SEAL Oil	60	12
817275A08	REPAIR KIT Water Pump-Upper	62	-	817275A09	HOUSING Water Pump-Complete	60	31
8172761	FACEPLATE	60	35	8172771	GASKET	62	42
81893420	SCREW (M8 x 20)	14	14	821327	PIN Dowel	38	8
824015	CUP Barrel Retainer	18	6	8245191	RETAINER	60	30
82494830	SCREW (M6 x 30)	54	3	825190	WASHER	46	21
826125A1	TILT TUBE	50	7	826134Q	ANODE	60	4
826135	NUT (1.00-14) Nylon Insert	50	5	826164	NUT (.875-14)	50	26
82671117	NUT (.500-20)	50	20	828356	PIN Detent	66	18
830749	SEAL	60	8	830749	SEAL	68	33
830899	SPRING Tension	50	10	830900	SPRING Compression	50	3
8329692	FUSE Mini - Gray - 2 Ampere	12	11	832969T15	FUSE Mini - Blue - 15 Ampere	12	11
832969T20	FUSE Mini - Yellow - 20 Ampere	12	11	834985	GROMMET	12	7
834985	GROMMET	24	10	847401	SCREW (#10-24 x .380)	46	7
849838	SCREW (.375-24 x 1.250)	46	37	85045	O-RING (.551 x .070)	40	7
852368	SCREW (#10-24 x .750)	46	12	854445	SENSOR MAP	22	14
855228	CLAMP	20	8	855697	CLAMP	24	2
855697	CLAMP	28	26	856954	BUSHING	12	8
856954	BUSHING	24	9	856954	BUSHING	26	21
856982	WASHER (.500 x .810 x .090) Stainless Steel	56	4	856982	WASHER (.500 x .810 x .090) Stainless Steel	58	4
857137	SCREW (M12 x 160)	58	3	859376	CLIP	12	14
861415A1	SEAL KIT	60	32	877761K01	FILTER Oil Mercury Branded	14	1
879150A09	SEAL KIT	20	3	879885Q	FILTER Fuel In-Line	24	16
880515	BOLT (M20 x 68)	10	3	880550	SPROCKET	32	26
880697	KEYED WASHER	68	34	880699	THRUST RING	66	22
880709A03	GEAR ASSEMBLY Forward	66	8	880714T	CLUTCH	66	16
880717A01	SCREW/SEAL KIT	68	32	880719	RING Retaining	60	36
881184	CIRCLIP	36	4	884323T01	BEARING ASSEMBLY Roller	66	10
884325T01	BEARING ASSEMBLY Roller-Tapped	66	14	884330T01	BEARING ASSEMBLY Tapered	68	28
88439A26	CABLE ASSEMBLY Battery - Negative	12	19	88439A35	CABLE ASSEMBLY Battery - Positive	12	18

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Part No.	Description	Pg.	Ref.no	Part No.	Description	Pg.	Ref.no
885342002	SENSOR ASSEMBLY Block water temp	14	6	885361A01	FITTING ASSEMBLY Flush	8	33
885518A02	FITTING ASSEMBLY	28	14	88552550	SCREW (M6 x 50 MM) Stainless Steel	8	35
88552645	SCREW (M8X45)	14	8	888483	SEAL Oil	68	27
888483	SEAL Oil	68	30	888823001	SHIFT DETENT ASSEMBLY	18	18
888958001	PLUG Flush Port	8	31	888988001	CLAMP (36.1 mm)	28	2
888988011	CLAMP (38.1 MM)	28	12	888988022	CLAMP	28	23
889823001	TETHER Flush Plug	8	34	891663001	SENSOR ASSEMBLY Temperature	20	10
892073002	SHOULDER SCREW (M6)	8	15	892446	O-RING (14 X 1.78 MM)	56	10
892446	O-RING (14 X 1.78 MM)	58	10	892454035	BOLT (M6 x 36)	32	12
892833	CLIP	28	5	892864T06	THERMOSTAT AND HOUSING ASSEMBLY Thermostat	28	30
89302	WASHER (.203 x .406 x .040)	46	11	893540	PIN Dowel, 8x12 long	34	3
893709	PIN	50	9	895054	SCREW (M4 x 16 MM)	20	7
895054	SCREW (M4 x 16 MM)	22	12	895319	GROMMET	26	20
896522	O-RING (799 x .103)	60	13	896523	O-RING (2.175 x .103)	60	38
896524	O-RING (3.850 x .210)	68	31	896602	NUT (M14)	46	6
896602	NUT (M14)	46	27	896895	NUT (M12)	56	5
896895	NUT (M12)	58	5	897445501	SCREW (M6 x 20 MM)	20	6
897445501	SCREW (M6 x 20 MM)	22	1	897526T	IAC VALVE	22	25
897535005	SPRING Throttle Cam Return	22	21	897936	WASHER	22	22
897937	WASHER	22	18	898093	WASHER Wave	22	19
898836	O-RING Brown	32	31	899044	LATCH	18	1
899145	CLIP Tie Strap	12	13	899145	CLIP Tie Strap	22	10
8M0001157	PIN Bow Tie Clip	18	10	8M0005958	O-RING	28	31
8M0006054	RETAINER	8	19	8M0007131	CARRIER ASSEMBLY Oil Seal	60	37
8M0007470	KNOB	50	1	8M0007470	KNOB	50	30
8M0008047	STUD (M12 x 179)	58	2	8M0010459	FILLER BLOCK	60	2
8M0012661	SCREW	10	1	8M0012661	SCREW	14	18
8M0021532	SCREW (M12 x 40 MM) Left Hand Thread	32	29	8M0021914	PIN (.125 x 30 mm)	50	2
8M0021914	PIN (.125 x 30 mm)	50	29	8M0022324	SCREW (M6 x 25 MM)	8	5
8M0028130	HOSE FSM, Water Inlet	28	17	8M0028132	HOSE Thermostat	28	3
8M0028275	HOSE Tell Tale	28	4	8M0029215	WATER TUBE	56	17
8M0029980	VALVE GUIDE	32	4	8M0029981	VALVE SEAT Exhaust	32	2
8M0029982	VALVE SEAT Intake	32	3	8M0030886	BRACKET ASSY Shift Link, Painted	18	9
8M0031192	PIN Trim Pivot	52	7	8M0031345	STRIKER ASSEMBLY	4	2
8M0031367	LATCH LINK Rear	8	22	8M0031453	ROLLER	18	3
8M0031454	LINK Shift	18	13	8M0031641	BELT Poly V, 4 Rib	12	4
8M0032524	ROLLER FINGER FOLLOWER ASSY	32	13	8M0032570	LEVER Sensor	18	17
8M0032833	KEY	62	41	8M0032848	RETAINER Switch	8	30
8M0033182	SEAL Exhaust Pipe	56	20	8M0033182	SEAL Exhaust Pipe	58	20
8M0033321	O-RING (-228, D2.234 X D.139)	44	8	8M0033589	CABLE ASSY Starter	12	17
8M0033987	CAM THROTTLE ASSEMBLY	22	20	8M0034043	GROMMET Water Tube	44	15
8M0034063	PANEL, REAR	8	17	8M0034065	PIN Handle	8	23
8M0034754	SEAL Oil Tank	40	10	8M0034870	SEAL Swivel Tube	46	17
8M0034897	HOSE Manifold Ref	24	1	8M0034912	O-RING 3.78 X 21.32	36	13
8M0035127	SEAL Top main brg flywheel end	36	10	8M0035248	HOSE Drain	28	19
8M0035249	BUSHING (6.452 MM ID) Flanged	18	14	8M0035317	KEY Valve Retainer	32	19
8M0035337	SEAL Port	22	6	8M0035476	GROMMET Water Tube	56	18
8M0035476	GROMMET Water Tube	58	18	8M0035484	GUIDE Fixed, Timing Chain	32	25
8M0035600	BLADE Timing Chain	32	24	8M0035658	FITTING 90° with sealant	28	22
8M0035658	FITTING 90° with sealant	42	5	8M0035891	CLIP Hose	28	7
8M0036025	SPACER	36	11	8M0036226	SEAL Exhaust Pipe	44	14
8M0036228	O-RING (8.1 X 1.6)	40	9	8M0036238	COUPLING Water Pump	62	44
8M0037098	CLIP Hose	24	13	8M0037098	CLIP Hose	28	8
8M0037204	SCREW Nylon, Push-In (.25-20 x .50)	22	15	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)	24	14
8M0037204	SCREW Nylon, Push-In (.25-20 x .50)	28	6	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)	42	8
8M0037204	SCREW Nylon, Push-In (.25-20 x .50)	56	9	8M0037204	SCREW Nylon, Push-In (.25-20 x .50)	58	9
8M0037209	GROMMET FSM Retainer	24	8	8M0037225	TRIM SWITCH Round Bezel	8	29
8M0037758	RETAINER Valve	32	18	8M0038205	FITTING Straight	28	16
8M0038275	DRAIN Cowl	38	3	8M0038428	OIL SUMP	40	4
8M0038429	SEAL Throttle Body	22	7	8M0038753	GASKET DSH/ADP Plate	40	1

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Part No.	Description	Pg.	Ref.no	Part No.	Description	Pg.	Ref.no
8M0039451	TRAY Oil Filter Drain	14	2	8M0041013	SCREW M8X1.25 HEX HD	50	22
8M0041031	REAR LATCH ASSEMBLY	8	18	8M0041811	ELBOW Muffler, Idle Relief	44	2
8M0042150	STRAINER ASSEMBLY	44	17	8M0042271	GUIDE Water Tube	56	19
8M0042271	GUIDE Water Tube	58	19	8M0042636	NUT (.375-24) Brass	46	38
8M0043365	SEAL Strainer	44	18	8M0043453	SEAL Flange Exhaust Pipe	44	10
8M0043700	M-ICON Red, 39mm	6	3	8M0043700	M-ICON Red, 39mm	8	21
8M0043913	THRUST WASHER	34	24	8M0044025	SEAL Adapter Plate	38	9
8M0044991	IGNITION COIL Ignition Dual Output	16	1	8M0045298	HOSE Sprayer	28	20
8M0046215	CRANK, Shifter 1/4 Pivot Pin	66	3	8M0046563	RETAINING RING	60	14
8M0046588	GASKET Cooler to Sump	40	3	8M0047301	SEAL Flush Plug Pocket	8	32
8M0047308	SCREW M6X1X40 HEX FLNG HD	22	11	8M0047625	STUD Ball End M10 X 1	32	17
8M0047686	NUT M10 X 1	32	34	8M0047717	PLATE Ingress Mounting	8	3
8M0047718	SCREW (M5 X 8MM)	8	4	8M0047782	HANDLE LATCH	8	20
8M0047796	BUSHING	8	25	8M0047810	RETAINER Top Cowl Latch	8	11
8M0047885	FUSE COVER With Spares	12	12	8M0047951	BRACKET Map	22	13
8M0048006	GROMMET Trim Wires	8	9	8M0048008	GROMMET Trim Sensor Wires	8	28
8M0048519	O-RING 012, Viton	34	6	8M0048537	BRACKET Hose Clip	28	28
8M0049816	RETAINER Trim Lead	46	31	8M0050013	FITTING Exhaust Cooling	28	21
8M0050013	FITTING Exhaust Cooling	56	11	8M0050013	FITTING Exhaust Cooling	58	11
8M0050046	CABLE ASSEMBLY	50	24	8M0050047	CABLE ASSEMBLY	46	29
8M0050058	SCREW 5/16-24 X .5	54	21	8M0050423	WASHER .020	66	24
8M0050424	WASHER .022	66	24	8M0050425	WASHER .024	66	24
8M0050427	WASHER .026	66	24	8M0050428	WASHER .028	66	24
8M0050429	WASHER .030	66	24	8M0050430	WASHER .032	66	24
8M0050431	WASHER .034	66	24	8M0050432	WASHER .036	66	24
8M0050433	WASHER .038	66	24	8M0050434	WASHER .040	66	24
8M0050435	WASHER .042	66	24	8M0050436	WASHER .044	66	24
8M0050437	WASHER .046	66	24	8M0050438	WASHER .048	66	24
8M0050439	WASHER .050	66	24	8M0050520	TUBE Water, X-Long	56	16
8M0050520	TUBE Water, X-Long	58	16	8M0050560	WASHER	18	4
8M0050570	TUBE Water Spacer, X-long	58	17	8M0050571	TUBE Water, Long	56	16
8M0050772	COVER High Tension Lead	42	7	8M0051043	RETAINING RING	66	12
8M0051757	BALANCE SHAFT Vespel	36	18	8M0051768	CLAMP Cable .375	50	15
8M0051768	CLAMP Cable .375	56	6	8M0051768	CLAMP Cable .375	58	6
8M0052453	WASHER Lower Mount Snubber	46	24	8M0052629	WASHER Upper Mount Snubber	46	2
8M0052942	GROMMET Tailpipe	44	7	8M0052967	HOOK Top cowl latch	4	4
8M0053504	TUBE- IDLE RELIEF ADP Exit	44	5	8M0053657	PLUG X-Long, Rear Driveshaft Housing	56	21
8M0053658	PLUG Long, Rear Driveshaft Housing	56	21	8M0053658	PLUG Long, Rear Driveshaft Housing	58	21
8M0053726	FSM TOP HOUSING	26	1	8M0053749	REGULATOR ASSEMBLY	26	5
8M0053755	TUBE Suction	26	10	8M0053756	SCREW Plastite W/ HX WSR HD	26	2
8M0053823	THRUST WASHER	66	13	8M0054073	IDLE RELIEF TUBE ASSEMBLY	44	-
8M0054598	BEARING Tilt Lock .05 inch ID FLG	50	4	8M0054598	BEARING Tilt Lock .05 inch ID FLG	50	28
8M0054606	WASHER Flat 31.69 OD X 9.01 ID X 3.048 THK	50	23	8M0055655	OIL PICK UP ASSEMBLY	34	-
8M0055656	HOSE Oil Pickup	34	23	8M0055666	GROUND STRAP Starter	14	16
8M0056980	SEAL Rear Latch	8	27	8M0057348	ADAPTER Rigging Hose	8	7
8M0057591	WASHER Thrust	50	21	8M0057599	TUBING (8 ID X 14 OD X 840 MM)	28	27
8M0057620	HOSE Flush	28	24	8M0057645	CRANKCASE COVER	34	14
8M0057648	CYLINDER HEAD Bare	32	1	8M0057653	CAMSHAFT ASSEMBLY	32	22
8M0057657	TENSIONER ASSEMBLY Timing Chain	32	30	8M0057658	OIL PUMP ASSEMBLY	34	19
8M0057659	CAMSHAFT COVER ASSY	30	2	8M0057663	CONNECTING ROD ASSEMBLY	36	6
8M0057664	BEARING Connecting Rod, Orange	36	8	8M0057666	CRANKSHAFT ASSY	36	12
8M0057668	FLYWHEEL ASSEMBLY	10	5	8M0057669	CHAIN Balance Shaft	36	15
8M0057670	BALANCE SHAFT ASSEMBLY	34	18	8M0057680	RETAINER Fuel Filter	24	6
8M0057684	THROTTLE BODY ASSEMBLY	22	2	8M0057685	INTAKE MANIFOLD ASSEMBLY	22	5
8M0057690	COVER Flywheel	10	2	8M0057691	BEARING Connecting Rod, White	36	8
8M0057692	BEARING Connecting Rod,Navy Blue	36	8	8M0057696	HARNESS ASSEMBLY Engine	12	20
8M0057697	CUBE RELAY	12	10	8M0057698	HARNESS ASSY Fused	12	16
8M0057701	ADAPTER PLATE	38	5	8M0057702	TELLTALE	28	9
8M0057703	GASKET Adapter Plate/Block	38	1	8M0057706	HOSE ASSEMBLY Speedometer	56	22
8M0057706	HOSE ASSEMBLY Speedometer	58	22	8M0057710	DRIVESHAFT HOUSING X-long	56	1
8M0057714	OIL COOLER	40	2	8M0057720	MUFFLER Idle Relief	44	1

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Part No.	Description	Pg.	Ref.no	Part No.	Description	Pg.	Ref.no
8M0057721	TRANSOM BRACKET Port, Painted	50	8	8M0057725	LOWER MOUNT ASSEMBLY	46	23
8M0057725	LOWER MOUNT ASSEMBLY	56	23	8M0057725	LOWER MOUNT ASSEMBLY	58	23
8M0057726	YOKE Bottom	46	20	8M0057733	TRIM SUBASSEMBLY With lower bushings	52	1
8M0057751	SWIVEL BRACKET ASSEMBLY	46	13	8M0057756	CHAP ASSEMBLY Port and Starboard	8	2
8M0057758	LOWER COWL FRONT ASSY	8	10	8M0057763	GASKET SET Powerhead	2	-
8M0057763	GASKET SET Powerhead	34	-	8M0057769	SPARK PLUG WIRE Set of 4	16	3
8M0057770	TRIM CYLINDER SEAL KIT Complete	54	-	8M0057772	ANODE	52	4
8M0057936	SPARK PLUG NGK ZFR5F	16	4	8M0058214	FITTING Water Strainer	28	1
8M0058214	FITTING Water Strainer	32	14	8M0058350	SCREW M6X1X25	36	21
8M0058484	GROMMET	38	4	8M0059091	BEARING Tilt pin 26.38IDX42LG	46	14
8M0059091	BEARING Tilt pin 26.38IDX42LG	50	34	8M0059529	TRIM SENSOR CONVERTER KIT	70	-
8M0059531	BLOCK WATER PRESSURE KIT	70	-	8M0059532	TRIM LIMIT MODULE	50	31
8M0059532	TRIM LIMIT MODULE	70	-	8M0060126	TRIM ASSEMBLY PO CHECK KIT	54	11
8M0060127	TRIM ASSEMBLY PUMP KIT	54	6	8M0060128	RELIEF VALVE KIT	54	13
8M0060140	TRIM ASSEMBLY MOTOR KIT	54	1	8M0060141	MANUAL RELEASE KIT	54	14
8M0060142	TRIM CYL REBUILD KIT	54	-	8M0060143	TRIM ASSEMBLY FILTER KIT	54	12
8M0060145	SHOCK ROD ASSEMBLY	54	19	8M0060146	MEMORY PISTON KIT	54	17
8M0060147	SKEG	70	-	8M0061055	INGRESS GROMMET	8	8
8M0061365	BRACKET Transom STBD, paint	50	16	8M0061394	BUSHING	58	28
8M0062365	FITTING Straight	56	8	8M0062365	FITTING Straight	58	8
8M0062583	GROMMET	8	37	8M0062693	HOSE KIT Rigging	70	-
8M0062746	CABLE ASSEMBLY	50	12	8M0062747	CABLE ASSEMBLY	46	26
8M0063267	SHIM SET	60	24	8M0063268	SHIM SET	60	25
8M0063270	SHIM SET	66	9	8M0063489	DRIVESHAFT HOUSING Long	56	1
8M0063489	DRIVESHAFT HOUSING Long	58	1	8M0063490	SCREW (M4 X .7 X 16 MM)	22	4
8M0063632	BUSHING Flanged	18	16	8M0063891	BEARING KIT Lower Trim Pin	52	2
8M0064306	SPACER	66	23	8M0064433	JET PUMP 110 Hp FourStroke	70	-
8M0064457	SCREW	36	7	8M0064752	END CAP Cam Tensioner	32	32
8M0064986	EXHAUST MANIFOLD ASSEMBLY	42	2	8M0065017	O-RING (M10.85 X 58.9)	38	2
8M0065093	CAP Oil Fill	34	16	8M0065195	SCREW (M14x2x115) Hex Flange	46	1
8M0065239	ALTERNATOR	12	2	8M0065660	CLAMP	44	3
8M0069492	BOLT (M14x2x155) Hex Flange	46	22	8M0069499	WASHER	46	25
8M0069588	SEAL Camshaft Cover	30	3	8M0069596	SEAL CRANKCASE COVER	34	15
8M0069689	SCREW (M10x1.5x40) Hex Flange	46	3	8M0069689	SCREW (M10x1.5x40) Hex Flange	46	34
8M0069689	SCREW (M10x1.5x40) Hex Flange	56	24	8M0069689	SCREW (M10x1.5x40) Hex Flange	58	24
8M0069690	SCREW (M10 X 1.5 X 60)	12	1	8M0069690	SCREW (M10 X 1.5 X 60)	38	6
8M0069690	SCREW (M10 X 1.5 X 60)	44	19	8M0069690	SCREW (M10 X 1.5 X 60)	56	15
8M0069690	SCREW (M10 X 1.5 X 60)	58	15	8M0070367	MOUNT - TUBULAR 8MM Component of Starter 8M0137789	14	10
8M0070368	SPACER (8.3 I.D. X 11.8 O.D.) Component of Starter 8M0137789	14	20	8M0070369	SPACER (8.3 I.D. X 11.8 O.D.) Component of Starter 8M0137789	14	12
8M0070951	STUD (M12 x 1.75 x 52)	56	2	8M0071078	SCREW (M6 X 85) Hex Flg	8	16
8M0071220	SCREW M10X1.50X95 HX FLG HD	34	4	8M0071542	RETAINING RING	36	9
8M0071543	SCREW (.500-20 x 5.00 HX HD)	50	17	8M0071763	SHIFT SHAFT ASSEMBLY	18	15
8M0071815	BOLT Shoulder, Throttle Lever	22	17	8M0072610	TILT LOCK LEVER KIT-F150 (L) (XL) (CXL)	50	27
8M0073011	FITTING	14	19	8M0074826	DIPSTICK ASSEMBLY	34	5
8M0075924	LEVER THROTTLE FOLLOWER ASSY	22	23	8M0076463	TRIM SENSOR ASSEMBLY	46	10
8M0076745	SHIM SET	66	24	8M0081024	SPLIT JOURNAL BEARING	46	32
8M0081024	SPLIT JOURNAL BEARING	46	32	8M0081029	KIT Extreme Duty Mount	48	-
8M0082257	TENSIONER BRACKET Hydraulic	36	22	8M0082355	CABLE KIT - THROTTLE AND SHIFT 150 4S	70	-
8M0082988	SENSOR Crankshaft Position Crank position	14	5	8M0083392	CARRIER ASSEMBLY Bearing	66	25
8M0084244	PIN Dowel	58	27	8M0084244	PIN Dowel	60	3
8M0084612	C-WASHER	46	9	8M0084612	C-WASHER	50	14
8M0084726	PIN Dowel	32	23	8M0084742	SOCKET	22	9
8M0084746	LINK ROD ASSEMBLY	22	8	8M0085373	DECAL M-Icon, 60mm Red	6	4
8M0086230	HYDRAULIC TENSIONER ASSY Vespe	36	20	8M0086569	SCREW Shoulder (M8 x 1.25)	32	27
8M0086888	GROMMET FSM Harness Spacer	26	22	8M0086989	HOSE Fuel-Filter to FSM	24	15
8M0087446	PLUG (10 MM)	32	9	8M0087446	PLUG (10 MM)	36	23
8M0087451	PLUG (18MM)	42	3	8M0087451	PLUG (18MM)	44	12
8M0087453	PLUG (24 MM)	32	7	8M0087453	PLUG (24 MM)	34	11
8M0087454	PLUG (30 MM)	32	5	8M0087454	PLUG (30 MM)	34	9

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8M0088801	LEVER ASSY Tilt Lock	50	11	8M0090010	WASHER	10	4
8M0090403	COUPLING Drive	54	5	8M0090447	PRESSURE SENSOR KIT	70	-
8M0090809	FILTER	24	4	8M0093776	COVER Upper Mount - Port	8	13
8M0093777	COVER Upper Mount - STBD	8	14	8M0094621	RESTRICTOR	20	9
8M0094888	PIN Rod Eye Assembly	52	3	8M0095536	HOSE FSM to Fuel Rail	24	3
8M0096295	BELL MOUTH ASSEMBLY	20	1	8M0096482	HOSE Fuel-Inlet to Filter	24	5
8M0097838	FUEL FILTER KIT	70	-	8M0098629	CYLINDER HEAD ASSEMBLY	32	-
8M0098634	VALVE Exhaust	32	15	8M0098635	VALVE Intake	32	16
8M0098837	PISTON RING SET	36	2	8M0100263	PIN Cross	66	20
8M0100526	REPAIR KIT Water Pump	62	-	8M0102826	HOSE ASSEMBLY Flushing	28	25
8M0102995	SCREW (M12)	56	3	8M0103288	PUMP ASSEMBLY High Pressure	26	12
8M0103289	PUMP ASSEMBLY Low Pressure	26	13	8M0103448	ADAPTER/MODULE Power Steering	70	-
8M0103804	SCREW (M6 x 12 MM) Stainless Steel	4	5	8M0103804	SCREW (M6 x 12 MM) Stainless Steel	44	4
8M0103804	SCREW (M6 x 12 MM) Stainless Steel	56	13	8M0103804	SCREW (M6 x 12 MM) Stainless Steel	58	13
8M0103805	SCREW (M6 x 16MM) Stainless Steel	4	3	8M0103805	SCREW (M6 x 16MM) Stainless Steel	8	12
8M0103805	SCREW (M6 x 16MM) Stainless Steel	28	11	8M0103805	SCREW (M6 x 16MM) Stainless Steel	44	20
8M0103806	SCREW (M6 x 20 MM) Stainless Steel	8	36	8M0103806	SCREW (M6 x 20 MM) Stainless Steel	36	16
8M0103807	SCREW (M6 x 25 MM) Stainless Steel	8	24	8M0103807	SCREW (M6 x 25 MM) Stainless Steel	12	5
8M0103807	SCREW (M6 x 25 MM) Stainless Steel	18	5	8M0103807	SCREW (M6 x 25 MM) Stainless Steel	24	12
8M0103807	SCREW (M6 x 25 MM) Stainless Steel	28	13	8M0103807	SCREW (M6 x 25 MM) Stainless Steel	28	29
8M0103807	SCREW (M6 x 25 MM) Stainless Steel	30	1	8M0103807	SCREW (M6 x 25 MM) Stainless Steel	32	33
8M0103807	SCREW (M6 x 25 MM) Stainless Steel	34	13	8M0103807	SCREW (M6 x 25 MM) Stainless Steel	44	16
8M0103808	SCREW (M6 x 30 MM) Stainless Steel	16	2	8M0103808	SCREW (M6 x 30 MM) Stainless Steel	36	19
8M0103809	SCREW (M6 x 40 MM) Stainless Steel	30	5	8M0103809	SCREW (M6 x 40 MM) Stainless Steel	40	5
8M0103810	SCREW (M6 x 45 MM) Stainless Steel	34	20	8M0103815	SCREW	38	7
8M0103817	SCREW (M8 x 60)	42	6	8M0105088	SPACER Driveshaft Housing X-Long	58	25
8M0109220	SEAL Top Cowl	8	1	8M0109543	FUEL FILTER KIT Remote Water Separating	70	-
8M0109949	BEARING SET Main, Blue	36	14	8M0109950	BEARING SET Main, White	36	14
8M0109951	BEARING SET Main, Orange	36	14	8M0109953	BEARING SET Main, Green	36	14
8M0109955	SERVICE MANUAL 150 4S	2	-	8M0110950	LongBlock 4-Stroke 150 Hp	2	-
8M0110951	SHORT BLOCK ASSEMBLY	2	-	8M0111054	MOUNTS - UPPER	46	4
8M0112869	OIL PLUG ASSEMBLY	40	6	8M0112903	GASKET Rubber Molded Steel	62	43
8M0119541	GEAR ASSEMBLY	66	21	8M0120073	TUBE Water	26	16
8M0122811	LongBlock 4-Stroke 150 Hp	34	-	8M0122812	SHORT BLOCK ASSEMBLY	34	-
8M0122813	CYLINDER BLOCK ASSY	34	1	8M0123832	FUEL RAIL	20	5
8M0125617	SENSOR Position Position	18	7	8M0125617	SENSOR Position	22	3
8M0126057	CHAIN Cam	32	28	8M0127334	POPPET SEAL KIT	54	-
8M0128074	EXHAUST PIPE ASSY	44	11	8M0130873	TUBE Fuel	26	17
8M0130877	FSM CAP	26	8	8M0130878	FSM BOTTOM HOUSING	26	19
8M0132732	FUEL SUPPLY MODULE	26	-	8M0133370	FSM SEAL KIT	26	-
8M0133457	STEERING TUBE ASSEMBLY	46	5	8M0134604	TILLER HANDLE ASSEMBLY Big Tiller-Mechanical, Power Steer F150	70	-
8M0137789	STARTER Isolation Mount	14	11	8M0139977	ECM 150HP Pro XS, 4S	12	15
8M0140446	PROPELLER SHAFT	66	19	8M0141339	BUSHING Swivel Tube Pivot	46	16
8M0142578	GASKET MAT Sensor	20	11	8M0142713	CAP Chap Support	8	6
8M0142873	BEARING	68	26	8M0142896	SCREW (M8 x 80)	14	7
8M0143229	PLUG Drip Tray	14	3	8M0143836	BUSHING Shift Shaft	56	14
8M0143836	BUSHING Shift Shaft	58	14	8M0144407	DRIVESHAFT Long	60	23
8M0144411	DRIVESHAFT XL	60	23	8M0144414	SHIFT SHAFT Long	60	18
8M0144415	SHIFT SHAFT Extra-Long	60	18	8M0144416	COVER ASSEMBLY	60	11
8M0144417	SCREW	60	15	8M0144418	GASKET	60	17
8M0144419	TOP COWL ASSEMBLY Decaled	4	1	8M0144428	PANEL ASSEMBLY Rear	8	-
8M0144441	GEAR HOUSING ASSEMBLY Complete, Long	60	-	8M0144441	GEAR HOUSING ASSEMBLY Complete, Long	66	-
8M0144442	GEAR HOUSING ASSEMBLY Complete, XL	60	-	8M0144442	GEAR HOUSING ASSEMBLY Complete, XL	66	-
8M0144448	DECAL SET Top Cowl	6	1	8M0144449	DECAL SET Chaps	6	2
8M0144479	DECAL Maintenance Schedule	12	22	8M0144672	PARTS MANUAL 150 4-Stroke Pro XS	2	-
8M0144954	OPERATION MANUAL 150 ProXS	2	-	8M0145312	GEARCASE Basic	60	1
8M0145312	GEARCASE Basic	66	1	8M0145444	SCREW M10X1.50X95 HX FLG HD	30	4
8M0145444	SCREW M10X1.50X95 HX FLG HD	34	7	8M0146169	COVER Power Center	12	9
8M0146359	SCREW (M8 X 1.25 X 95)	34	17	8M0146719	SEAL KIT Gear Housing	62	-
8M0146719	SEAL KIT Gear Housing	68	-	8M0157044	PISTON ASSEMBLY	36	1

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Part No.	Description	Pg.	Ref.no	Part No.	Description	Pg.	Ref.no
8M0166302	PISTON ASSEMBLY Oversized .02	36	1	8M0166303	PISTON ASSEMBLY Oversized .03	36	1
8M0166306	PISTON RING SET Oversized .02	36	2	8M0166307	PISTON RING SET Oversized .03	36	2
8M2000347	RETAINER	68	35	8M2001570	CLIP	20	4
8M4503518	SCREW (M6 X 1.0 X 20)	60	33	8M6000365	GASKET Exhaust Manifold	42	1
8M6000366	HEAD GASKET	30	6	8M6000385	CLAMP (39.6 MM)	34	22
8M6000634	PRESSURE SENSOR Oil	14	15	8M6001704	SPRING Valve	32	21
8M6002428	FUEL INJECTOR	20	2	8M6004776	HARNESS ASSEMBLY	26	23
90196	O-RING (.921 x .139)	24	7	90196	O-RING (.921 x .139)	44	6
91800	KEY Woodruff	10	6	92721	WASHER	60	21
92876A12	LINK ROD ASSEMBLY	46	36	932481	BUSHING	22	24
NOPART	NO PARTS LIST	72	-	NSS	NOT SOLD SEPARATE O-Ring	26	3
NSS	NOT SOLD SEPARATE Spacer	26	4	NSS	NOT SOLD SEPARATE O-Ring	26	6
NSS	NOT SOLD SEPARATE Seal	26	7	NSS	NOT SOLD SEPARATE O-Ring	26	9
NSS	NOT SOLD SEPARATE Seal	26	11	NSS	NOT SOLD SEPARATE Seal	26	14
NSS	NOT SOLD SEPARATE O-Ring	26	15	NSS	NOT SOLD SEPARATE Seal	26	18
NSS	NOT SOLD SEPARATE O-Ring	26	24	NSS	NOT SOLD SEPARATE O-Ring	26	25
NSS	NOT SOLD SEPARATE O-ring, M2.5 X 7	32	6	NSS	NOT SOLD SEPARATE O-ring, M2 X 21	32	8
NSS	NOT SOLD SEPARATE O-ring, M1.5 X 7	32	10	NSS	NOT SOLD SEPARATE	32	11
NSS	NOT SOLD SEPARATE	32	20	NSS	NOT SOLD SEPARATE Bedplate	34	2
NSS	NOT SOLD SEPARATE O-ring, M2 X 15	34	8	NSS	NOT SOLD SEPARATE O-ring, M2.5 X 27	34	10
NSS	NOT SOLD SEPARATE O-ring, M2 X 21	34	12	NSS	NOT SOLD SEPARATE	34	21
NSS	NOT SOLD SEPARATE Oil Ring Assembly	36	3	NSS	NOT SOLD SEPARATE Wrist pin	36	5
NSS	NOT SOLD SEPARATE O-ring, M1.5 X 7	36	24	NSS	NOT SOLD SEPARATE O-ring, M2 X 15	42	4
NSS	NOT SOLD SEPARATE O-ring, M2 X 15	44	13	NSS	NOT SOLD SEPARATE Extreme Duty Mounts	46	4
NSS	NOT SOLD SEPARATE Extreme Duty Lower Mounts	46	23	NSS	NOT SOLD SEPARATE O-ring	54	2
NSS	NOT SOLD SEPARATE Screw	54	7	NSS	NOT SOLD SEPARATE O-ring	54	8
NSS	NOT SOLD SEPARATE O-ring	54	9	NSS	NOT SOLD SEPARATE Bushing	54	10
NSS	NOT SOLD SEPARATE	54	16	NSS	NOT SOLD SEPARATE O-ring, Component of 8M0060142	54	18
NSS	NOT SOLD SEPARATE O-ring, Component of 8M0060142	54	20	NSS	NOT SOLD SEPARATE Pinion Gear	60	19
NSS	NOT SOLD SEPARATE Cup	60	27	NSS	NOT SOLD SEPARATE Cup	60	29
NSS	NOT SOLD SEPARATE Oil Seal	62	39	NSS	NOT SOLD SEPARATE Oil Seal	62	40
NSS	NOT SOLD SEPARATE Plug	66	2	NSS	NOT SOLD SEPARATE Spool	66	5
NSS	NOT SOLD SEPARATE Sleeve Adjusting	66	7	NSS	NOT SOLD SEPARATE Cup	66	11
NSS	NOT SOLD SEPARATE Cup	66	15	NSS	NOT SOLD SEPARATE Cup	68	29