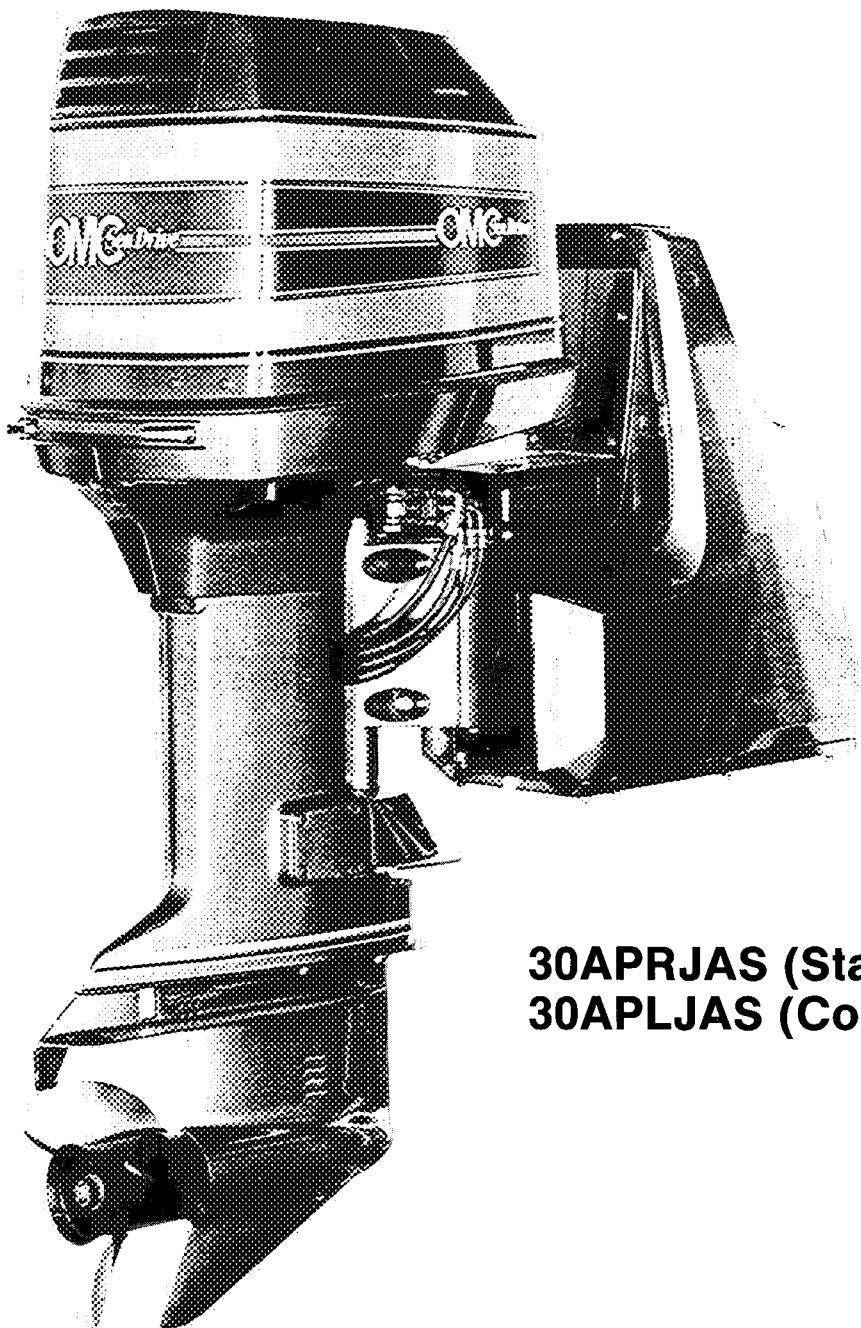




PARTS CATALOG

3.0 LITRE



30APRJAS (Standard Rotation)
30APLJAS (Counter Rotation)

FINAL EDITION



SAFETY WARNING

Note

WHEN REPLACEMENT PARTS ARE REQUIRED, USE GENUINE OMC PARTS OR PARTS WITH EQUIVALENT CHARACTERISTICS INCLUDING TYPE, STRENGTH, AND MATERIAL. FAILURE TO DO SO MAY RESULT IN PRODUCT MALFUNCTION AND POSSIBLE INJURY TO THE OPERATOR AND/OR PASSENGERS.

OUTBOARD MARINE CORPORATION, MANUFACTURER OF OMC SEA DRIVE® MARINE POWER SYSTEM, RESERVES THE RIGHT TO MAKE CHANGES AT ANY TIME, WITHOUT NOTICE, IN SPECIFICATIONS AND MODELS AND ALSO TO DISCONTINUE MODELS. THE RIGHT IS ALSO RESERVED TO CHANGE ANY SPECIFICATIONS OR PARTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO EQUIP SAME ON MODELS MANUFACTURED PRIOR TO DATE OF SUCH CHANGE.

WHILE THE INFORMATION CONTAINED IN THIS PARTS CATALOG IS BASED ON THE LATEST PRODUCT INFORMATION AVAILABLE AT THE TIME OF PUBLICATION, THE CONTINUING ACCURACY OF THIS PARTS CATALOG CANNOT BE GUARANTEED.

ALL ILLUSTRATIONS USED IN THIS PARTS CATALOG MAY NOT DEPICT ACTUAL MODELS OR EQUIPMENT AND ARE INTENDED AS REPRESENTATIVE VIEWS FOR REFERENCE ONLY.

Note

THIS PARTS CATALOG SHOULD NOT BE USED IN LIEU OF A SERVICE MANUAL. ORDER YOUR SERVICE MANUAL OR OWNER'S MANUAL FROM YOUR NEAREST MARKETING DIVISION, SEE REAR COVER.

SUPPLY MODEL AND SERIAL NUMBER OF ENGINE FROM NAMEPLATE ATTACHED TO THE LOWER ENGINE COVER WHEN REQUESTING A SERVICE MANUAL OR OWNER'S MANUAL.

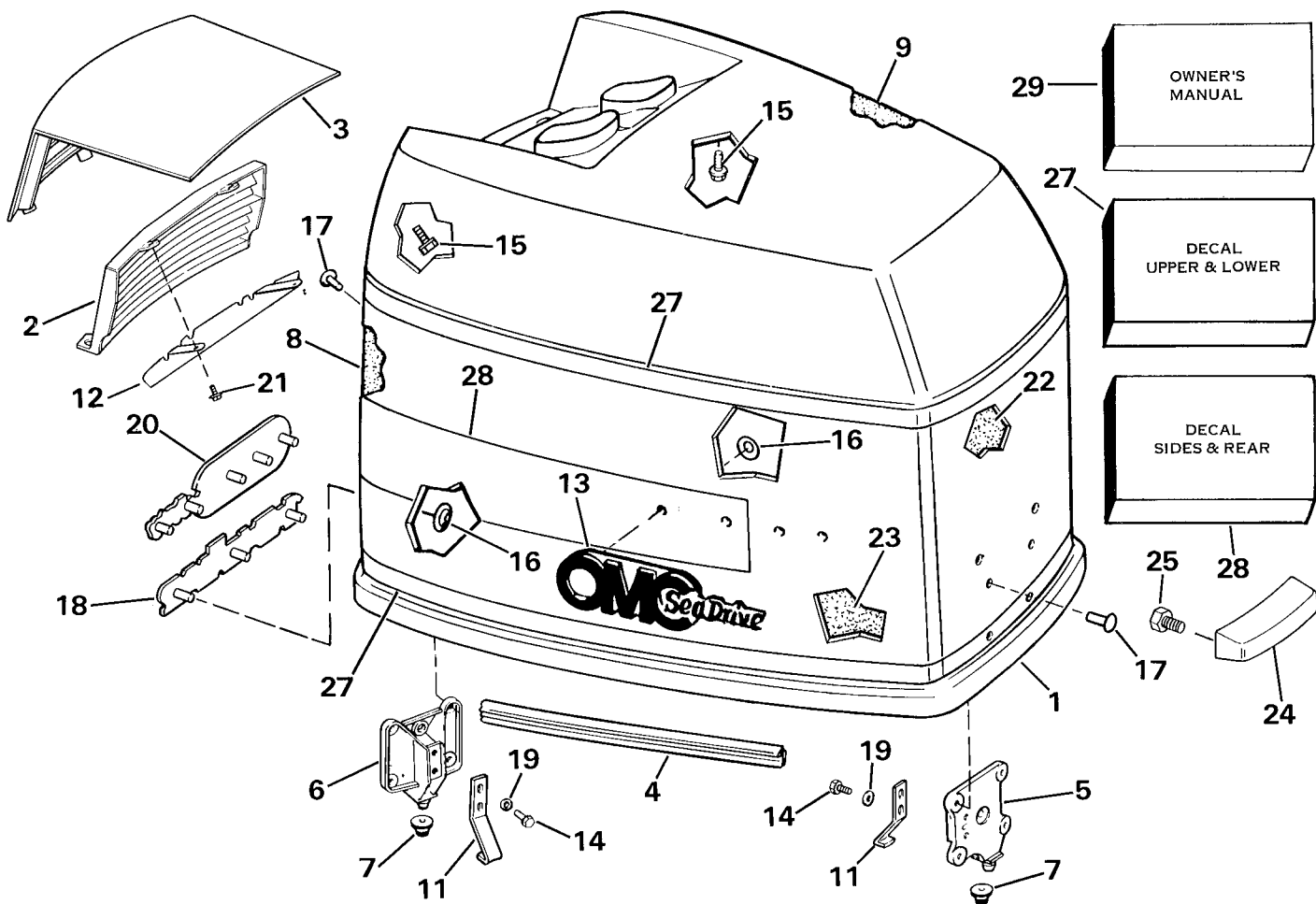
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E S NO.	PAINT	SPRAY
1655	PRIMER	172757
1720	BLACK	330446
1730	CHARCOAL	395127
1766	SILVER GRAY	282988

INDENTED PART NAMES INDICATE THAT THESE PARTS ARE INCLUDED IN PRECEDING ASSEMBLY
 SPECIFY MODEL AND SERIAL NUMBER OF ENGINE WHEN ORDERING PARTS
 ORDER ALL PARTS FROM YOUR LOCAL AUTHORIZED DEALER
 PART NUMBERS NEW FOR THIS MODEL YEAR CAN BE IDENTIFIED
 BY THE BOX SYMBOL ■ IN NAME OF PART COLUMN

ENGINE COVER

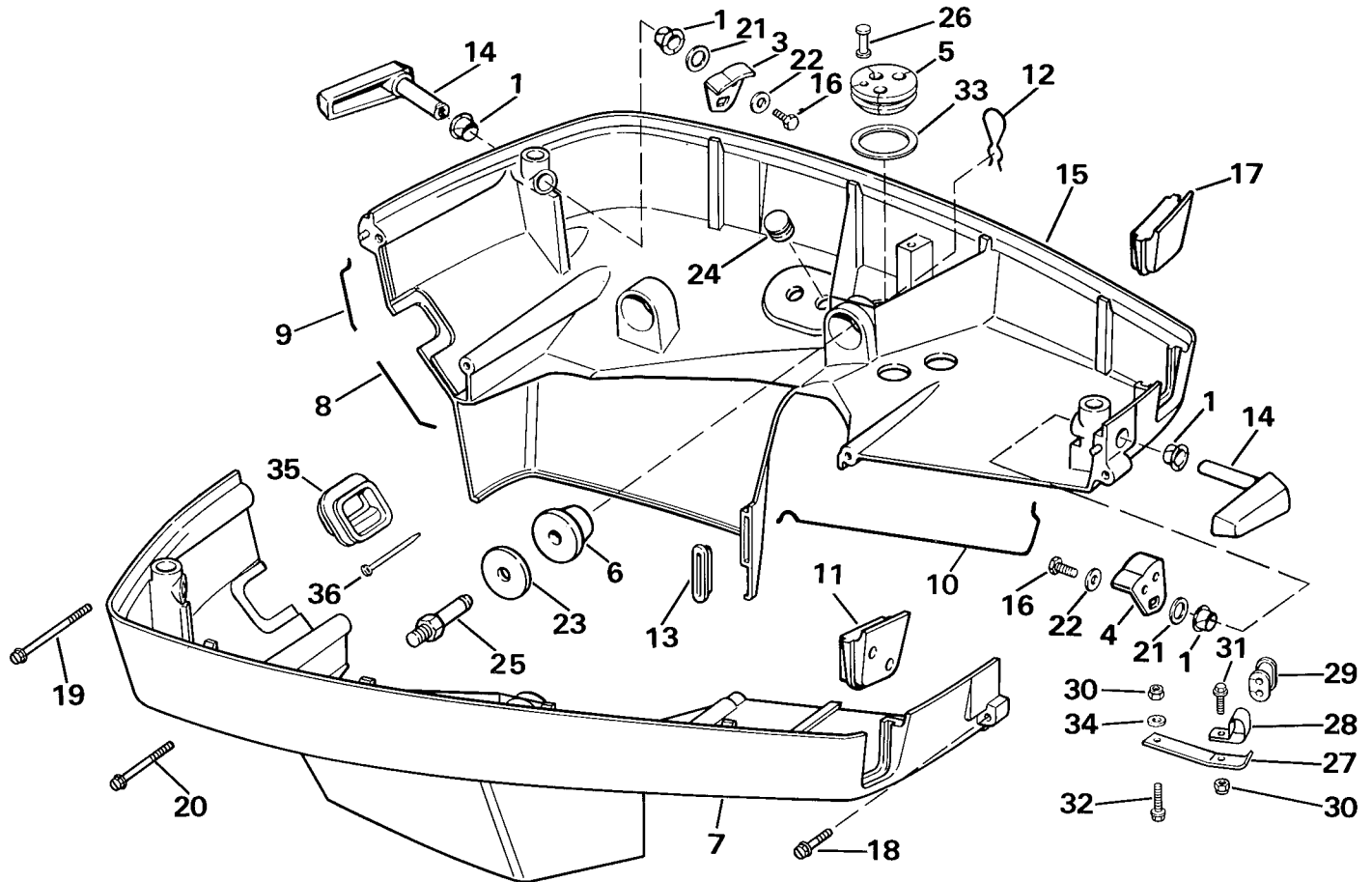


883118

CK35

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	985364	ENGINE COVER ASSY	1	16	317223	FASTENER, Applique	18
2	331945	BAFFLE, Engine cover	1	17	326948	RIVET, Locating bracket	12
3	331944	TILT HANDLE	1	18	913214	APPLIQUE, Rear	1
4	912032	SEAL, Engine cover	1	19	328703	WASHER, Screw	6
5	329762	LOCATING BRKT , Front	1	20	912646	APPLIQUE, Engine cover, rear	1
6	394976	LOCATING BRKT , Rear	2	21	323937	SCREW, Baffle	2
7	324898	BUMPER, Locating brkts	3	22	333577	SOUND BLANKET, Front	1
8	333578	SOUND BLANKET, Side	1	23	333579	SOUND BLANKET, Port & stbd	2
9	333576	SOUND BLANKET, Top	1	24	913073	HANDLE, Lift	1
11	323176	HOOK, Engine cover	3	25	334004	SCREW, Lift handle	2
12	913302	BAFFLE, Spray	1	27	912636	DECAL, Upper & lower	2
13	912179	APPLIQUE	2	28	912651	DECAL, Sides & rear	1
14	319137	SCREW, Hook	6	29	985371	OWNER'S MANUAL	1
15	323229	SCREW, Tilt handle, rear	5				

LOWER ENGINE COVER

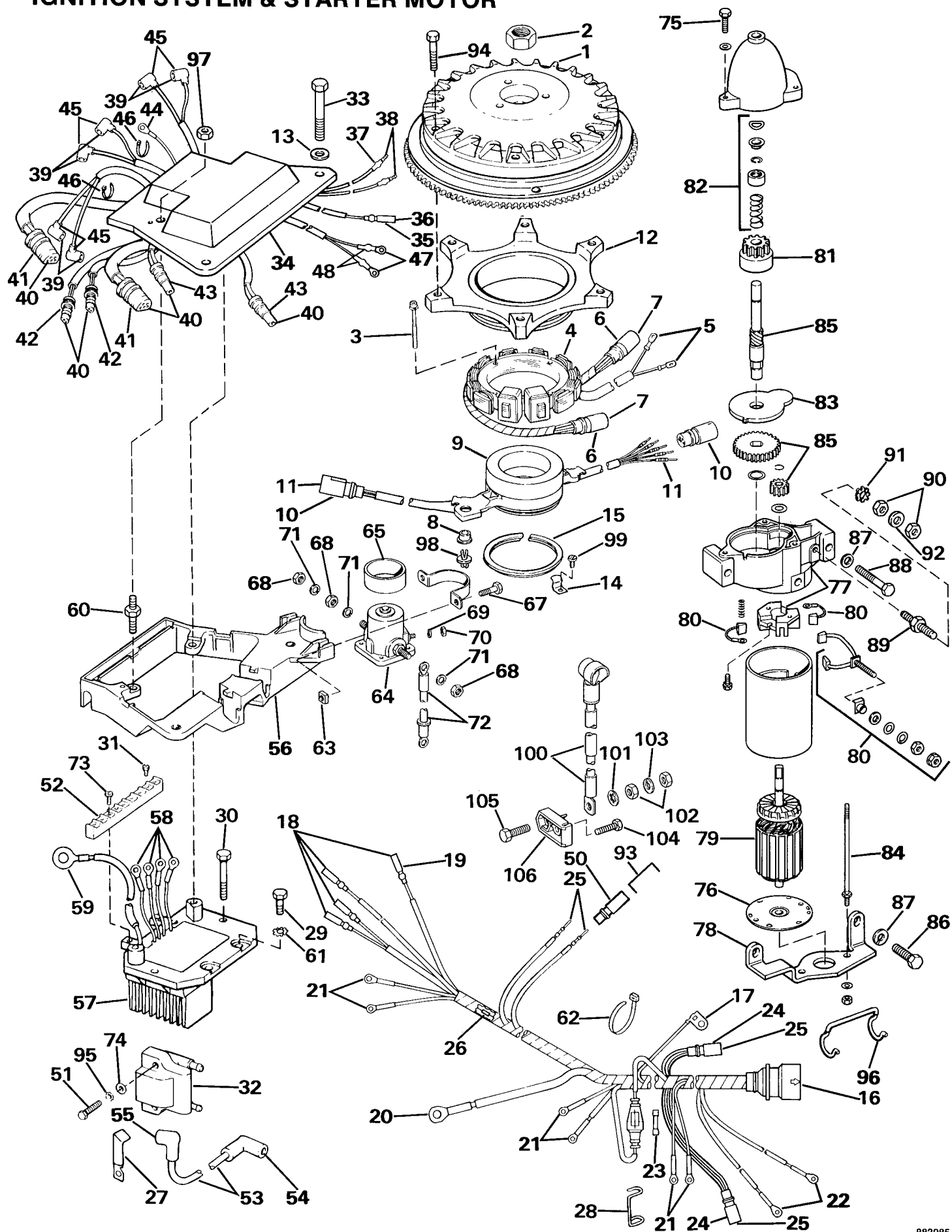


883084

CK36

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	308532	BUSHING, Latch lever	6	20	330978	SCREW, Lower cover, rear, lower	1
3	323169	HOOK, Port, rear	1	21	330234	SPRING WASHER, Latch handle	3
4	323170	HOOK, Front & stbd rear	2	22	328703	WASHER, Hook	3
5	912620	GROMMET, Electric cable	1	23	329749	WASHER, Mount	4
6	328584	MOUNT, Lower cover	4	24	912148	GROMMET, Bulkhead fitting	2
7	985361	ENGINE COVER & SEAL ASSY, Stbd	1	25	329743	STUD, Lower cover	4
8	331956	SEAL, Engine cover, rear, lower	1	26	911082	PLUG, Grommet	1
9	331954	SEAL, Motor cover rear, upper	1	27	912145	BRACKET, Remote control cables	1
10	331938	SEAL, Engine cover, front	1	28	911828	CLAMP, Grommet to bracket	1
11	911650	GROMMET, Control cables	1	29	910930	GROMMET, Control cables, black	1
12	330288	SPRING PIN, Mount, front	2	29	911231	GROMMET, Control cables, brown	1
13	330651	BUMPER, Lower cover	1	30	313022	NUT, Bracket	3
14	383685	LATCH HANDLE	3	31	329217	SCREW, Clamp to bracket	1
15	985360	ENGINE COVER, Port	1	32	909533	SCREW, Bracket to lower cover	2
16	912127	SCREW, Handle to latch	3	33	912621	WASHER, Grommet	1
17	911651	GROMMET, Lower cover	1	34	328738	WASHER, Bracket	2
18	328597	SCREW, Lower cover, front	2	35	333679	GROMMET, Adaptor to cover	1
19	329750	SCREW, Lower cover, rear, top	1	36	330664	TIE STRAP, Grommet	1

IGNITION SYSTEM & STARTER MOTOR



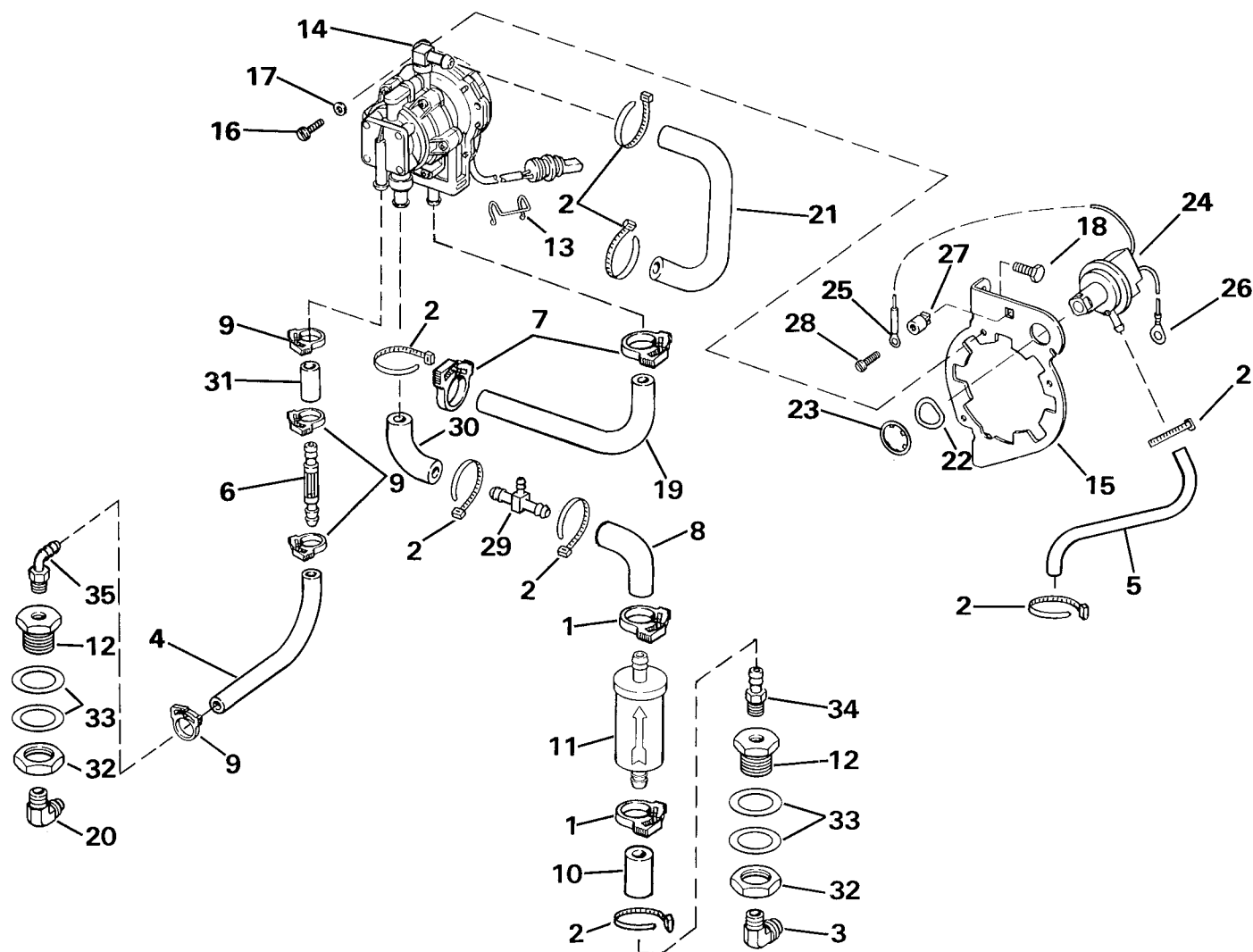
IGNITION SYSTEM & STARTER MOTOR

CK37

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	583427	FLYWHEEL ASSY	1	56	583418	ELECTRICAL BRACKET ASSY	1
2	326042	NUT, Flywheel	1	57	583689	RECTIFIER & REGULATOR ASSY	1
3	325135	SCREW, Stator mounting	4				
4	583415	STATOR ASSY	1	58	511829	RING TERMINAL	4
5	511829	RING TERMINAL	2	59	330254	RING TERMINAL	1
6	512746	CONNECTOR	2	60	334109	STUD, Cover mounting	2
7	511469	PIN	4	61	328701	LOCKWASHER, Ground	2
8	329168	SOCKET, Pivot bushing	1	62	320107	TIE, Strap	5
9	583533	TIMER BASE & SENSOR ASSY	1	63	328710	NUT, Solenoid	2
10	512750	CONNECTOR	2	64	395419	STARTER SOLENOID ASSY	1
11	511469	PIN	8	65	311217	SLEEVE, Solenoid	1
12	912059	PULLEY, Flywheel	1	66	330112	CLAMP, Solenoid mounting	1
13	328703	WASHER, Power pack	1	67	302325	SCREW, Solenoid mounting	2
14	331927	CLAMP, Timer base	2	68	311349	NUT, Terminal	3
15	313666	RETAINER, Timer base	1	69	304454	LOCKWASHER, Terminal	2
16	583597	ENGINE CABLE ASSY	1	70	306556	NUT, Terminal	2
17	512131	TERMINAL	1	71	331259	LOCKWASHER	1
18	512876	TERMINAL, Receptacle	4	72	394925	LEAD, Starter to solenoid	1
19	513186	SLEEVE	4	73	306644	SCREW, Block to bracket	2
20	204053	RING TERMINAL	1	74	328703	WASHER, Ignition coil mounting	12
21	511829	RING TERMINAL	6	*	396235	STARTER MOTOR ASSEMBLY	1
22	510780	RING TERMINAL	2	75	302325	SCREW, Drive housing	3
23	510884	FUSE, 20 amp	1	76	332274	END CAP	1
24	512748	CONNECTOR	1	77	332275	CAP, Drive and commutator	1
25	511469	PIN	5	78	332895	BRACKET, Tail support	1
26	583898	DIODE KIT	1	79	397371	ARMATURE ASSEMBLY	1
27	316487	RETAINER, Spark plug leads	4	80	397373	BRUSH & SPRING SET	1
28	321077	RETAINER, Fuse holder	1	81	397374	DRIVE ASSEMBLY	1
29	304027	SCREW, Regulator, short	2	82	397375	DRIVE KIT	1
30	124341	SCREW, Regulator, long	4	83	397376	COVER ASSEMBY	1
31	329275	SCREW, Terminal block	6	84	397372	THRU BOLT PACKAGE	1
32	582508	COIL ASSY	6	85	397887	GEAR & SHAFT KIT	1
33	124341	SCREW, Bracket, stbd	1	86	552940	SCREW, Support bracket	2
33	331980	SCREW, Bracket, port	1	87	306470	LOCKWASHER, Support bracket & starter	4
34	583476	POWER PACK	1				
35	513186	SLEEVE	1	88	331644	SCREW, Starter, mounting	2
36	512876	SOCKET, Terminal	1	89	331540	BOLT, Double end	1
37	513185	SLEEVE	2	90	328740	NUT, Ground	2
38	512947	TERMINAL, Bullet	2	91	328701	LOCKWASHER, Ground	1
39	512256	PIN RECEPTACLE	6	92	302290	WASHER, Ground	1
40	581656	SOCKET	12	93	512742	RETAINER, VRO connector	2
41	512749	CONNECTOR, Timer base	2	94	325115	SCREW, Pulley	6
42	512745	CONNECTOR, Charge coil	2	95	328701	LOCKWASHER, Ground	4
43	123404	PLUG, Ignition switch	2	96	315182	CLAMP	1
44	510818	TERMINAL, Ground	1	97	328740	NUT, Power pack	2
45	512478	COVER	6	98	330368	PIVOT BUSHING	1
46	317893	TIE STRAP	8	99	306803	SCREW, Retainer clamp	2
47	511829	TERMINAL	2	100	984737	LEAD ASSEMBLY	1
48	510781	SLEEVE	2	101	331259	LOCKWASHER	1
50	123405	RECEPTACLE	2	102	912072	NUT	2
51	331025	SCREW, Coil mounting	12	103	319150	LOCKWASHER	1
52	512656	TERMINAL BLOCK	1	104	328744	SCREW, Terminal block mtg	1
53	582365	LEAD ASSY, Ignition coil	8	105	302860	SCREW, Pos battery cable & starter solenoid lead assy	1
54	581027	TERMINAL & COVER	1				
55	580339	TERMINAL & COVER	1	106	912600	TERMINAL BLOCK	1

* Not Shown

VRO² PUMP



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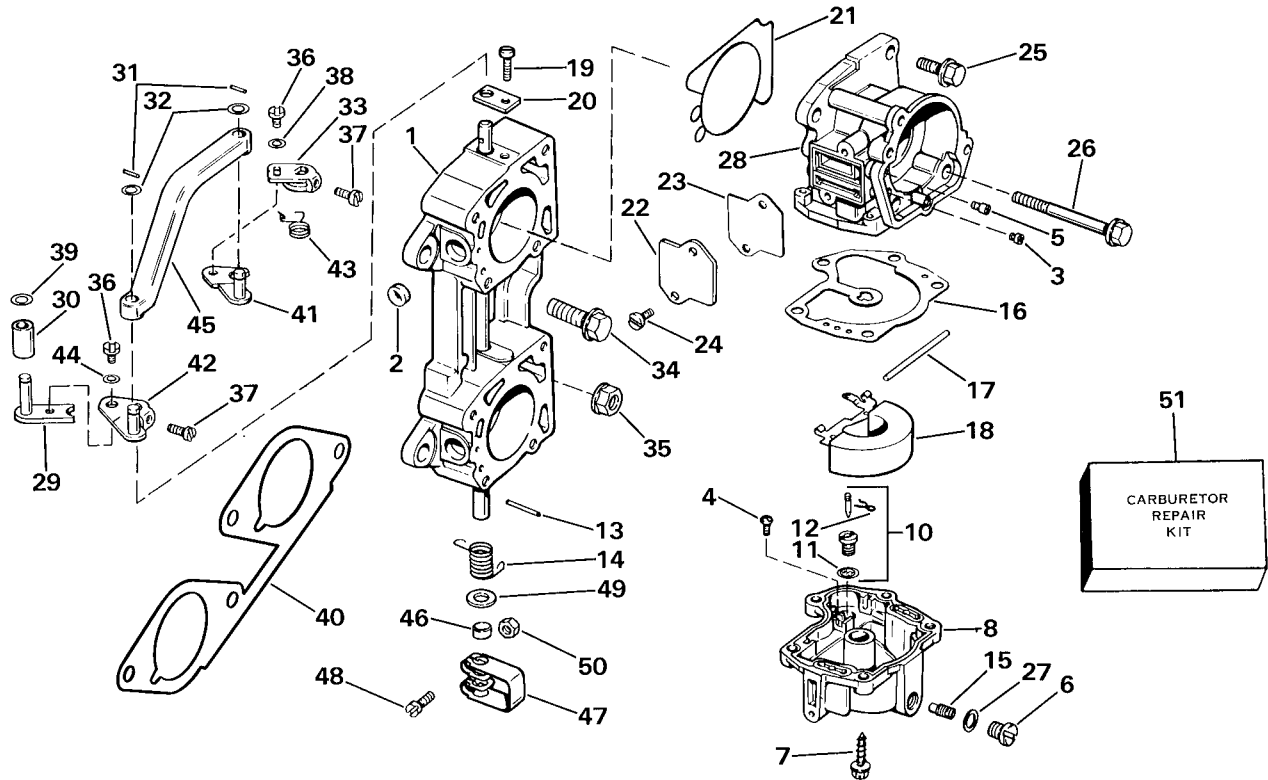
CK38

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	322652	CLAMP, Hose fuel filter	2	19	#	HOSE, Pulse, 6-1/4"	1
2	320107	TIE STRAP	AR	20	911501	ELBOW, Oil, 1/2"	1
3	911500	ELBOW, Fuel, 5/8"	1	21	333633	HOSE, Pump to manifold	1
4	†	HOSE, Elbow to sight tube, 5-1/4"	1	22	330522	WAVE WASHER, Vacuum switch	1
5	††	HOSE, Vacuum switch to tee, 6-3/4"	1	23	330523	RETAINING RING, Vacuum switch	1
6	331623	SIGHT TUBE	1	24	395208	VACUUM SWITCH	1
7	322652	CLAMP	2	25	511829	TERMINAL	1
8	332845	HOSE, Fuel filter to tee	1	26	510818	TERMINAL	1
9	322654	CLAMP, Oil hose	4	27	328600	TERMINAL POST	1
10	##	HOSE, Fitting to fuel filter, 1-3/4"	1	28	330838	SCREW, Switch lead	1
11	398319	FUEL FILTER ASSY	1	29	331995	TEE, Fuel hose to vacuum switch	1
12	912025	BULKHEAD FITTING . .	2	30	332845	HOSE, Tee to fuel pump	1
13	512742	RETAINER	1	31	†	HOSE, Sight tube to pump, 1-1/2"	1
14	174566	FUEL PUMP ASSY	1	32	912027	NUT, Bulkhead fitting	2
15	329754	BRACKET, Fuel pump	1	33	912026	WASHER, Bulkhead fitting	4
16	308825	SCREW, Pump to bracket	3	34	173312	FITTING, Fuel	1
17	328735	WASHER, Pump to bracket	3	35	911427	ELBOW, Oil	1
18	122147	SCREW, Bracket to crankcase	2				

Cut to Length from 333341 7 6m (25 ft) Roll
 † Cut to Length from 333485 7 6m (25 ft) Roll

Cut to Length from 125115 7 6m (25 ft) Roll
 †† Cut to Length from 327228 7 6m (25 ft) Roll

CARBURETOR AND LINKAGE



861343

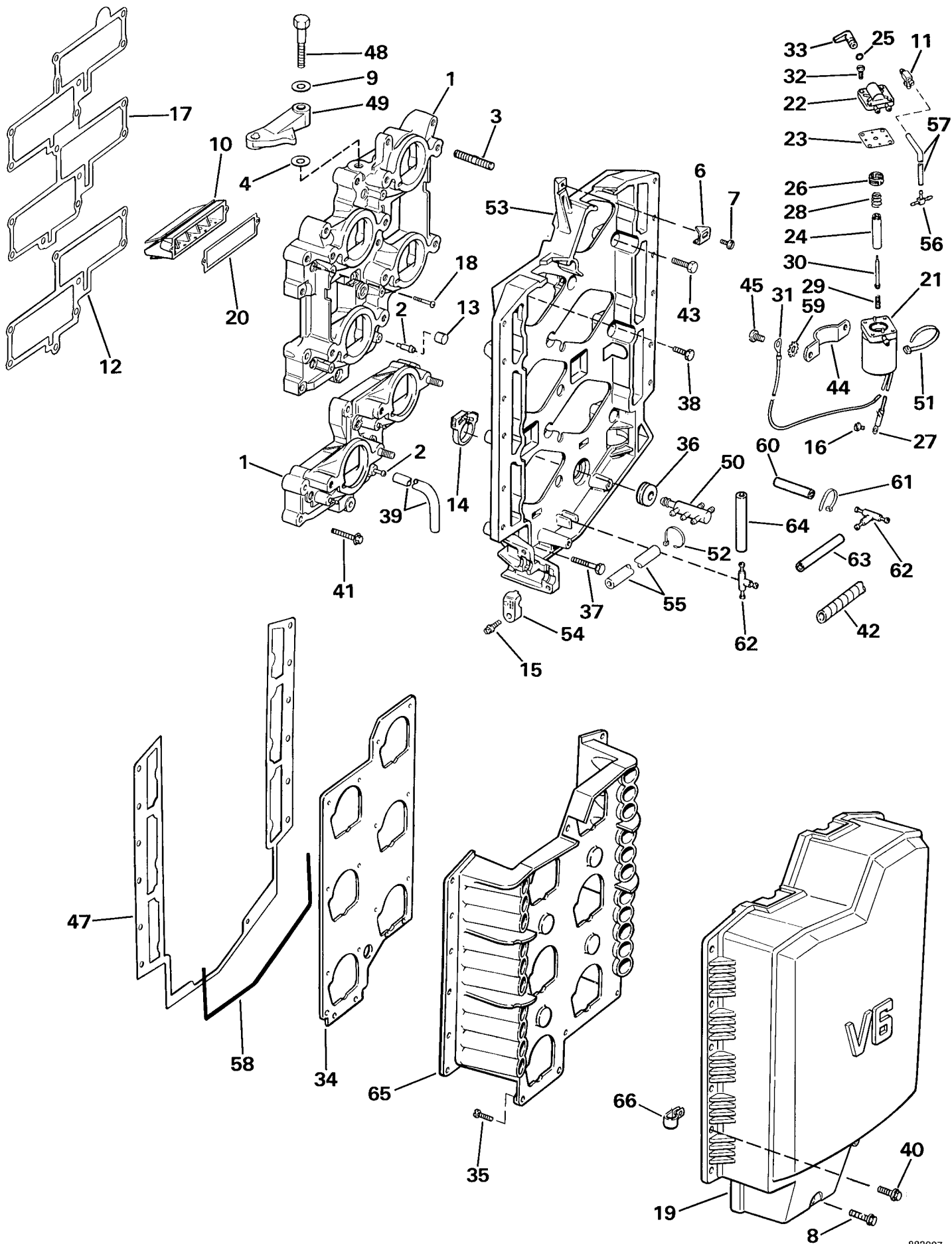
CK39

Ref No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
*	398366	CARB ASSY , Upper	2	26	324424	SCREW, Carb body, long	2,4
*	398365	CARB ASSY , Lower	2	27	305739	O-RING, Screw plug ①	1,2
1	398373	THROTTLE BODY, Upper	2	28	432513	CARB BODY	2
1	398375	THROTTLE BODY, Lower	2	29	391807	LEVER & PIN, Cam follower	1
2	202310	CORE PLUG	2	30	330130	ROLLER, Cam follower	1
3	324025	ORIFICE, Idle air bleed, No 34	2	31	314575	ROLL PIN, Throttle shaft	2
4	326164	SCREW, Hinge pin	1,2	32	310540	WASHER, Retainer	2
5	323708	ORIFICE, Intermediate, No 50	2	33	329753	LEVER, Port	1
6	327116	SCREW, Plug	1,2	34	317624	SCREW, Carb to manifold	6
7	328649	SCREW, Bowl to body	5,10	35	316355	NUT, Carb mounting	6
8	398701	FLOAT CHAMBER ASSY	1,2	36	306014	SCREW, Lever	2
10	396522	FLOAT VALVE ASSY ①	1,2	37	319108	SCREW, Throttle lever	2
11	301996	WASHER	1	38	328735	WASHER, Lever	1
12	603145	SPRING CLIP	1	39	308776	RETAINER, Roller	1
13	303261	ROLL PIN, Return spring	1	40	332319	GASKET, Carburetor mounting	3
14	332254	SPRING, Throttle return	1	41	397503	LEVER & PIN, Port	1
15	331433	ORIFICE, High speed, No 62D	1,2	42	397504	LEVER & PIN, Stbd	1
16	326830	GASKET, Float bowl ①	1,2	43	329526	SPRING, Link adjustment	1
17	326865	PIN, Float	1,2	44	328735	WASHER, Follower screw	1
18	391508	FLOAT ASSY ①	1,2	45	329755	LINK, Carburetor	1
19	328714	SCREW, Shaft	1	46	317162	SLEEVE, Lower throttle shaft	2
20	328765	CLIP	1,2	47	327071	CONNECTOR, Throttle shaft	2
21	332253	SEAL, Carb body	1,2	48	332111	SCREW, Throttle shaft	4
22	328640	COVER PLATE	1,2	49	332609	WASHER, Throttle shaft	4
23	327223	GASKET, Cover plate ①	1,2	50	309485	NUT, Connector screw	4
24	315656	SCREW, Cover plate	2,4	51	398557	CARBURETOR REPAIR KIT	1
25	328744	SCREW, Carb body, short	2,4				

* Not Shown

① Also Available in Carburetor Repair Kit

INTAKE MANIFOLD



883087

INTAKE MANIFOLD

CK40

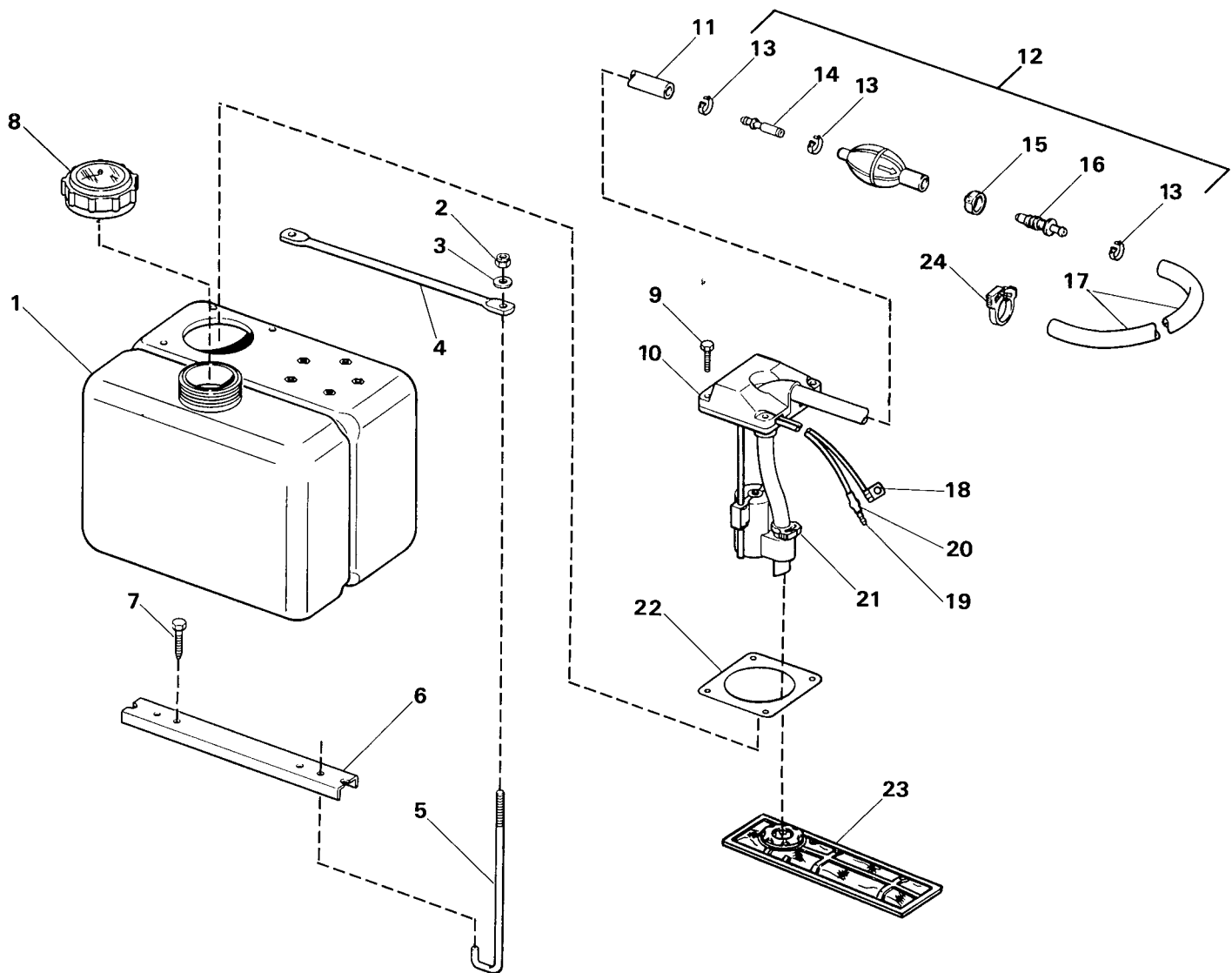
Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	397497	INTAKE MANIFOLD ASSY , Upper	1	35	330838	SCREW, Baffle	5
1	397496	INTAKE MANIFOLD ASSY , Lower	1	36	329518	GROMMET, Base to hose	1
2	325659	FITTING, Drain	1	37	314610	SCREW, Air silencer base, long	1
3	310872	STUD	2,4	38	328694	SCREW, Air Silencer base, upper	3
4	320744	WASHER, Screw	1	39	329695	HOSE, Air silencer drain	1
6	331153	TIMING POINTER, Manifold	1	40	909533	SCREW, Cover to base	12
7	328696	SCREW, Timing Pointer	1	41	322906	SCREW, Manifold, long	12
8	331102	SCREW, Cover to base, long	2	41	307471	SCREW, Manifold, short	2
9	303913	WASHER, Throttle cam	1	42	333872	SPIRAL TUBE, Fuel hose	1
10	397336	REED BOX ASSY	6	43	322831	SCREW, Air silencer base	8
11	325564	TEE, Primer, lower	1	44	330118	CLAMP, Primer solenoid	1
12	331532	GASKET, Intake, lower	1	45	328724	SCREW, Clamp	2
13	322892	CAP, Fitting	1	47	331598	GASKET, Cover to base	1
14	322652	CLAMP, Hose retainer	1	48	332353	SCREW, Throttle cam	1
15	909533	SCREW, Trunnion cover	2	49	333094	THROTTLE CAM	1
16	329182	SCREW, Terminal to solenoid	1	50	394385	FUEL MANIFOLD	1
17	328622	GASKET, Manifold to crankcase	1	51	317893	TIE STRAP, Primer solenoid	1
18	332265	SCREW, Reed box	12	52	320107	TIE STRAP	AR
19	331223	COVER, Air silencer	1	53	331222	BASE, Air silencer	1
20	332266	GASKET, Leaf plate	6	54	329271	COVER, Trunnion	2
21	397909	SOLENOID ASSY , Primer	1	55	#	HOSE, Manifold to primer, 3-1/2"	1
22	511807	COVER, Primer solenoid	1	56	325569	TEE, Primer hose, upper & middle	2
23	333448	GASKET, Solenoid	1	57	**	HOSE, Primer	AR
24	511809	PLUNGER	1	58	†	SEAL, Cover to base	1
25	331365	O-RING, Manual valve	1	59	328701	LOCKWASHER, Ground	1
26	332365	FILTER, Valve housing	1	60	#	HOSE, Manifold to carb	AR
27	510780	TERMINAL	1	61	317893	TIE STRAP, Drain hose	6
28	511986	SPRING, Valve	1	62	313537	TEE, Fuel, port & stbd	2
29	511987	SPRING, Plunger	1	63	333387	HOSE, Fuel manifold to port fuel tee	1
30	333447	VALVE, Plunger	1				
31	510818	TERMINAL	1	64	333390	HOSE, stbd fuel tee to #6 carb	1
32	330121	SCREW, Cover to housing	4	65	331596	BAFFLE, Air silencer cover	1
33	511812	MANUAL VALVE	1	66	913307	CLAMP, Power steering hose	1
34	331597	SEAL, Baffle to carb	1				

Cut to Length from 327228 7 6m (25 ft) Roll

** Cut to Length from 327229 7 6m (25 ft) Roll

† Cut to Length from 309044 15 2m (50 ft) Roll

VRO OIL TANK KIT (3 GALLON)



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DR2442

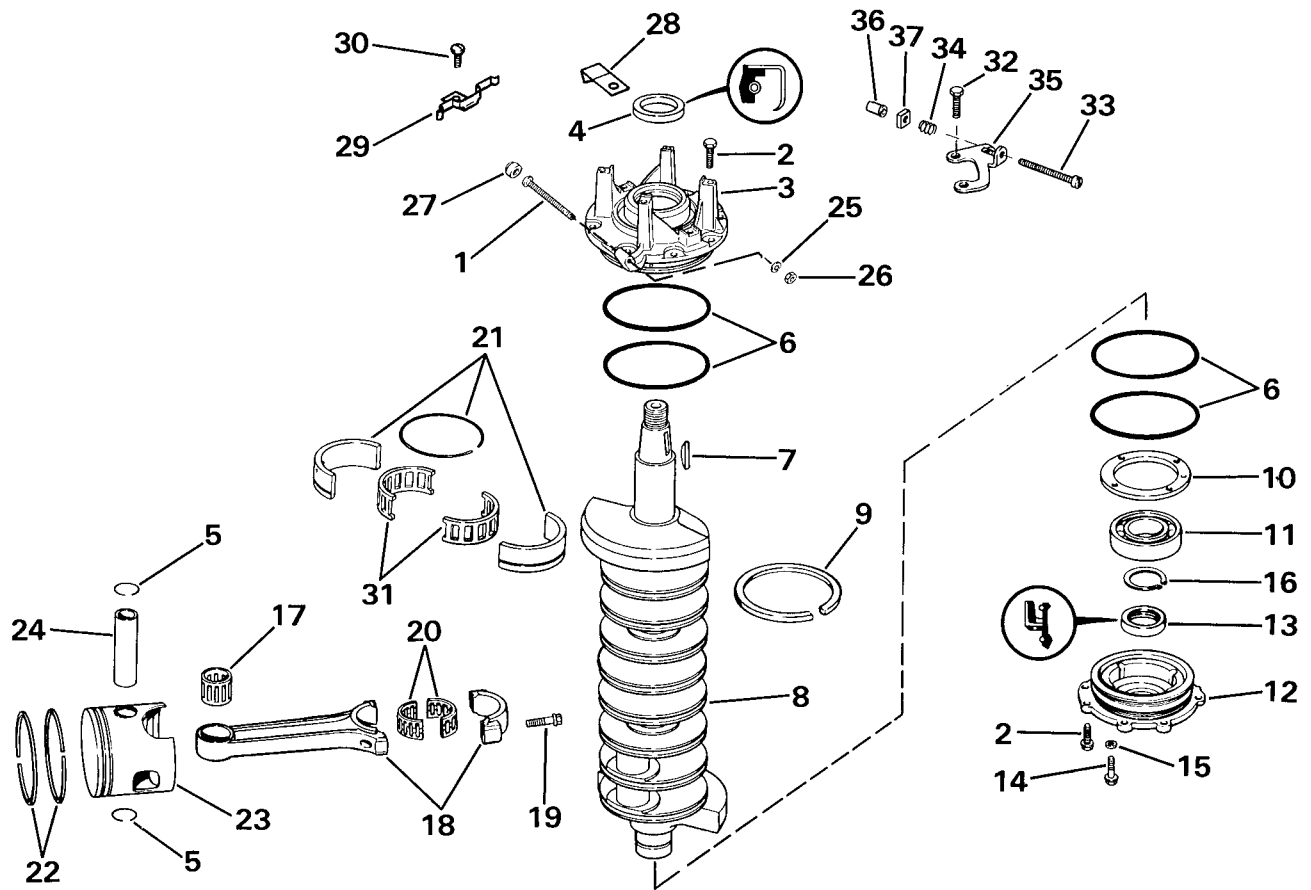
275 /300

Ref.	P/N	Name of Part	Qty.
*	174638	OIL TANK KIT, (3.0 gallon)	1
1	174248	. OIL TANK ASSY.	1
2	121470	. LOCKNUT, Hook bolt to cross bar	2
3	121497	. WASHER	2
4	124694	. CROSS BAR	1
5	124691	. HOOK BOLT	2
6	124693	. BRACKET, Mounting	1
7	124073	. LAG SCREW	2
8	173851	. CAP ASSEMBLY	1
9	124485	. SCREW, Pickup assy to tank	4
10	174639	. OIL PICKUP ASSY.	1
11	124472	. HOSE, Short, 12 in. (304mm)	1
12	174157	. PRIMER BULB ASSY	1
13	303596	. CLAMP, Band, small	3

Ref.	P/N	Name of Part	Qty.
14	396461	. . . VALVE, Inlet	1
15	553166	. . . CLAMP, Band, large	1
16	396462	. . . VALVE, Outlet	1
17	124471	. . HOSE, Long 180 in. (4,6m)	1
18	512131	. . TERMINAL, Ring	1
19	125295	. . TERMINAL, Bullet	1
20	125294	. . SLEEVE, Bullet terminal	1
*	510780	. . TERMINAL, Ring, small	1
*	510818	. . TERMINAL, Ring, large	1
21	322654	. . CLAMP, Snap	1
22	123906	. . GASKET	1
23	174377	. . FILTER ASSEMBLY, Oil	1
24	322654	. CLAMP, Snap	1

* Not Shown

CRANKSHAFT & PISTON



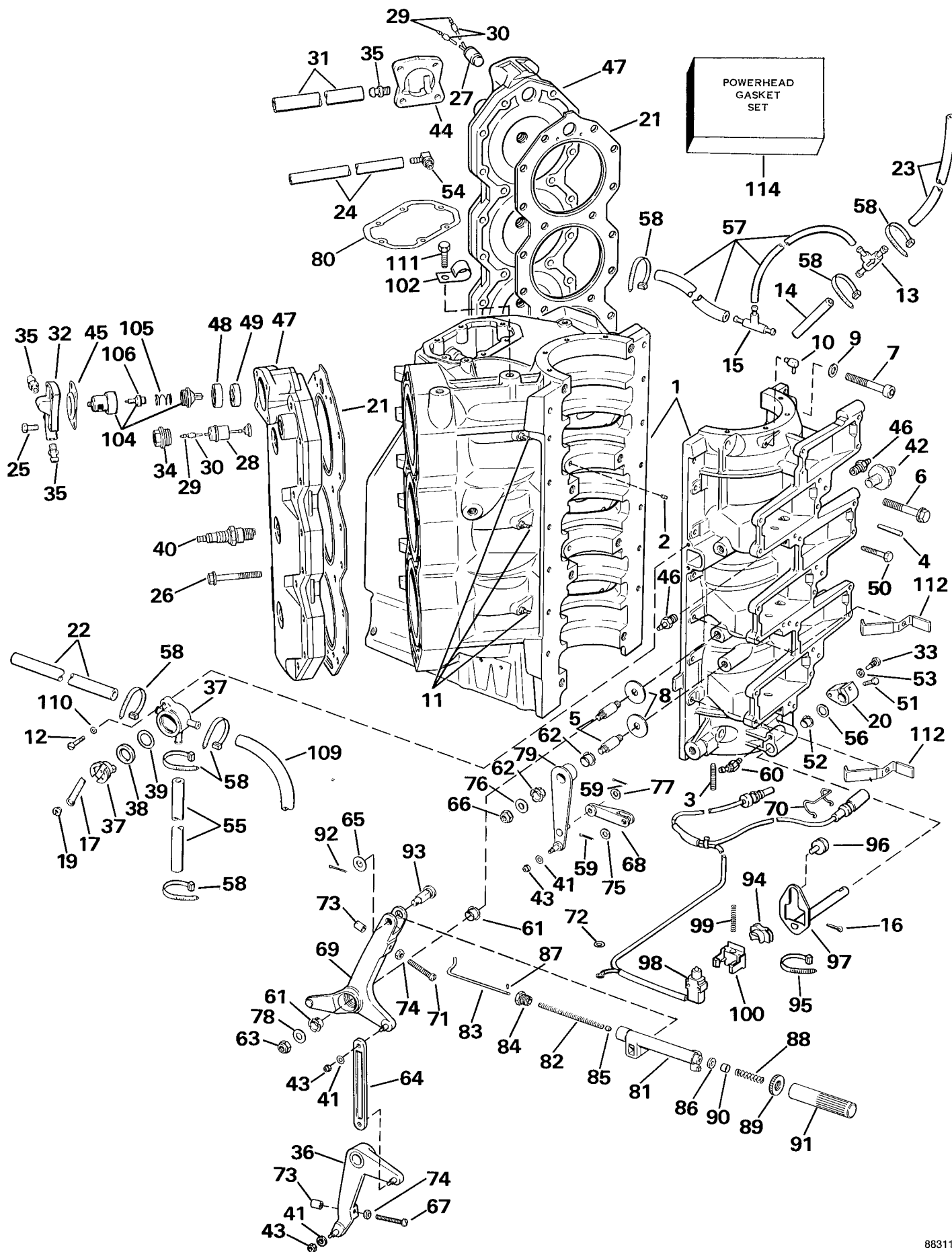
881269

CK42

200/225, 3 0

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	334218	SCREW, Spark adjustment	1	21	320499	SPLIT SLEEVE, Center bearing	2
2	308742	SCREW, Crankcase head	16	22	431870	RING SET, Std	6
3	396668	CRANKCASE HEAD AND BRG ASSY	1	22	431844	RING SET, 030 O S	6
4	322575	SEAL, Upper	1	23	432073	PISTON, Stbd, Std	3
5	326765	RETAINING RING	12	23	432078	PISTON, Stbd, 030 O S	3
6	326741	O-RING	4	23	432072	PISTON, Port, Std	3
7	307480	KEY, Flywheel	1	23	432077	PISTON, Port, 030 O S	3
8	330906	CRANKSHAFT ASSY	1	24	326764	WRIST PIN	6
9	326749	SEAL RING	9	25	302290	LOCKWASHER, Spark adjustment	1
10	326748	PLATE, Lower bearing	1	26	328740	NUT, Spark adjustment	1
11	390641	BEARING, Ball	1	27	314416	BUMPER, Spark adjustment	1
12	393613	CRANKCASE HEAD ASSY	1	28	316487	RETAINER, Bearing head	1
13	332942	SEAL	1	29	331926	RETAINER, Leads	1
14	332590	SCREW, Lower bearing retainer	4	30	306803	SCREW, Retainer	2
15	332585	SEAL	1	31	387041	RETAINER & NEEDLE SET	2
16	326047	RING, Retaining, bearing	1	32	329894	SCREW, Idle stop bracket	2
17	391480	BEARING, Wrist pin	6	33	331635	SCREW, Stop bracket	1
18	394488	CONNECTING ROD ASSY	6	34	308993	SPRING	1
19	330081	SCREW, Rod cap	2	35	334317	STOP BRACKET	1
20	396041	RETAINER SET	6	36	318660	CAP	1
				37	203688	NUT, Screw	1

CYLINDER & CRANKCASE



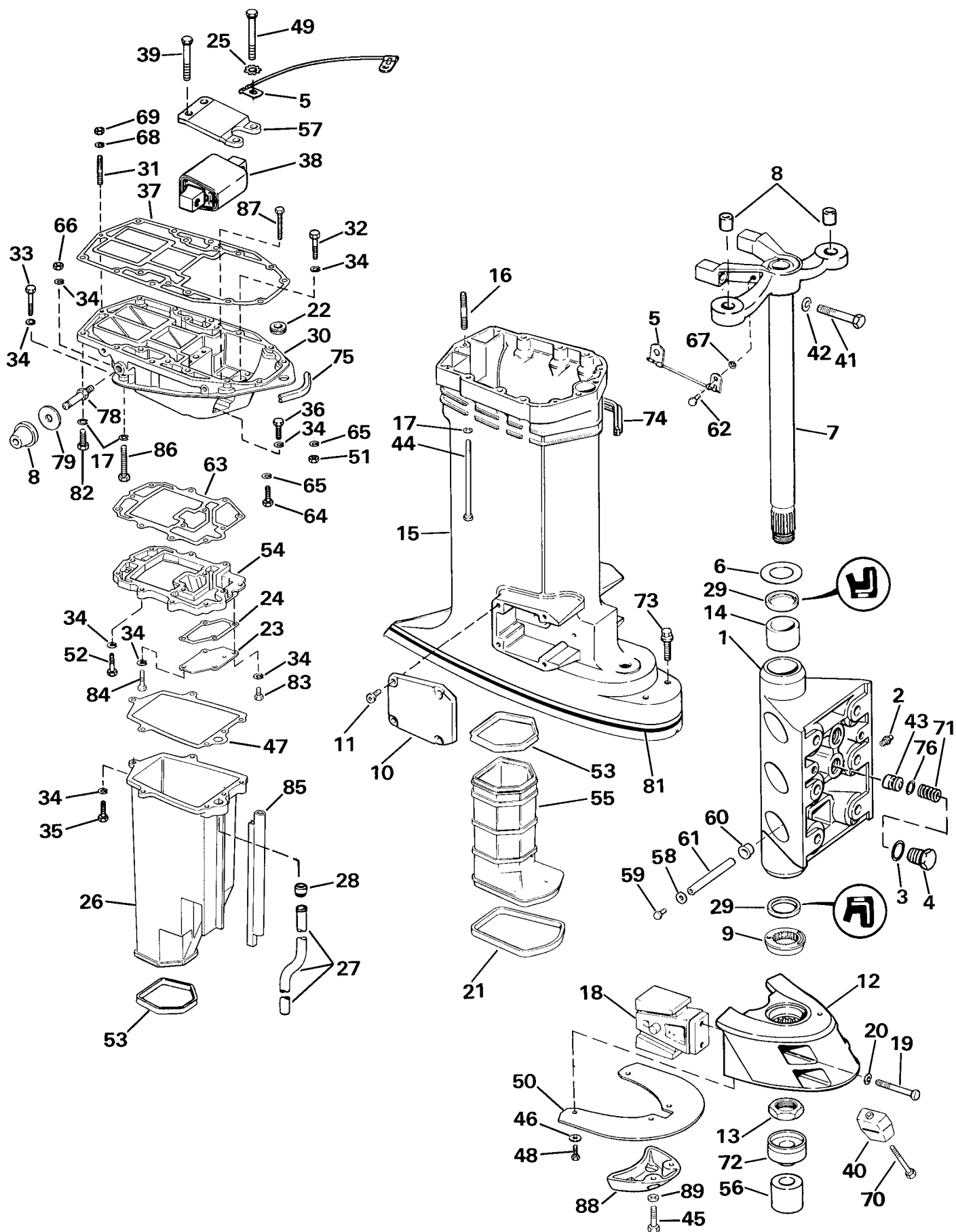
CYLINDER & CRANKCASE

CK43

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	431889	CYLINDER C'CASE ASSY ■	1	56	202026	WASHER, Shift lever . . .	2
2	304178	PIN, Dowel bearing . .	2	57	**	HOSE, Drain system	AR
3	314616	STUD, Crankcase to adapter	2	58	320107	TIE STRAP	AR
4	331095	PIN, Taper	1	59	305650	COTTER PIN	2
5	320808	STUD, Shift lever	3	60	319253	GREASE FITTING	1
6	326891	SCREW, Cyl to c'case	7	61	308532	BUSHING, Throttle lever	4
7	326890	SCREW, Cyl to c'case	1	62	308532	BUSHING, Shift arm . . .	2
8	320744	WASHER, Stud	3	63	315077	LOCKNUT, Throttle lever .	2
9	304671	WASHER	1	64	331224	LINK, Throttle lever, upper to lower	1
10	321598	FITTING, Drain	2	65	330995	WASHER, Link	1
11	325604	FITTING, Recirculation ..	6	66	315077	LOCKNUT, Shift arm	1
12	329892	SCREW, Control valve	2	67	334219	SCREW, Throttle stop . ■	1
13	394892	CHECK VALVE ASSY	1	68	331737	LINK, Shift lever . . .	1
14	332219	HOSE, Valve lower	1	69	396714	THROTTLE LEVER, Upper	1
15	325569	TEE, Crankcase drain	1	70	511618	RETAINER, Connection . .	1
16	330145	COTTER PIN, Shift lever .	1	71	333976	SCREW, Throttle arm stop . ■	1
17	329740	ARM, Control valve	1	72	328701	WASHER, Shift assist ground ..	2
18	331887	HOSE, Tee to cover ■	1	73	318660	CAP	2
19	315094	BUSHING, Control arm	1	74	328741	NUT	2
20	334117	LEVER, Shift rod ■	1	75	328702	WASHER, Shift lever to link .	1
21	333670	GASKET, Cylinder head ■	2	76	330266	WASHER, Shift arm	1
22	330366	HOSE, Control valve to cover, stbd	1	77	328702	WASHER, Link to shift arm	1
23	332219	HOSE, Bearing hsg	1	78	330266	WASHER, Throttle lever .	1
24	912152	HOSE, Elbow to oil cooler	1	79	393873	SHIFT ARM	1
25	909533	SCREW, Thermostat cover	8	80	330412	GASKET, Rectifier	1
26	322323	SCREW, Cylinder head . .	40	81	432095	LINK ASSY , Spark advance ■	1
27	583441	TEMPERATURE SWITCH, Stbd ■	1	82	326738	SPRING, Link	1
28	583789	TEMPERATURE SWITCH, Port ■	1	83	334313	ROD, Spark advance link ■	1
29	512947	BULLET TERMINAL ■	1	84	331864	CAP, Spring housing	1
30	513185	SLEEVE, Terminal ■	1	85	328635	BUSHING, Spring .	1
31	330365	HOSE, Thermostat cover .	1	86	334311	STOP, Adjustment ■	1
32	329745	COVER, Thermostat stbd	1	87	329770	PIN, Rod	1
33	327590	PIN, Shift rod lever	1	88	334312	SPRING, Adjustment hsg . . ■	1
34	329562	COVER, Temp switch	2	89	334314	LOCKNUT, Housing . . . ■	1
35	330272	FITTING, Thermostat cover	3	90	334315	GUIDE, Spring ■	1
36	396374	THROTTLE LEVER, Lower .	1	91	334316	HOUSING, Adjustment . ■	1
37	394407	CONTROL VALVE ASSY	1	92	330145	COTTER PIN, Lever to link	1
38	329787	SEAL	1	93	328636	PIN, Advance link .	1
39	330262	WIPER	1	94	513132	BRACKET, Slider . ■	1
40	387633	SPARK PLUG, Champion		95	320107	TIE STRAP	1
		QL-77JC4	6	96	331404	PIN	1
41	328737	WASHER, Shift & throttle lever	4	97	431908	SHIFT LEVER & SHAFT ■	1
42	174404	PULSE LIMITER, Fuel pump ..	1	98	583608	SWITCH & CABLE	1
43	328064	NUT, Casing guide to throttle arm & shift lever	4	99	333749	SPRING	1
44	329744	COVER, Thermostat, port	1	100	513134	BRACKET, Shift assist .	1
45	394408	DIAPHRAGM, Thermostat cover	2	101	317893	TIE STRAP	2
46	392988	CHECK VALVE ASSY . .	6	102	310928	CLAMP, Timer leads ...	1
47	397860	CYLINDER HEAD ■	2	104	394409	THERMOSTAT ASSY	2
48	330273	CAP, Thermostat	1	105	329766	SPRING	1
49	320880	SEAT, Valve	1	106	394411	VERNATHERM	1
50	302288	SCREW, Cyl to crankcase	12	109	331216	HOSE, Control valve to aspirator .	1
51	328695	SCREW, Lever shift rod .	1	110	303715	WASHER, Control valve	2
52	312708	BUSHING, Shift lever	2	111	319590	SCREW, Clamp	1
53	302290	WASHER, Pin, lever	1	112	334169	RETAINER ■	2
55	331933	HOSE, Adapter to control valve ...	1	114	432571	POWERHEAD GASKET SET ■	1

** Cut to Length from 327229 7.6m (25 ft) Roll

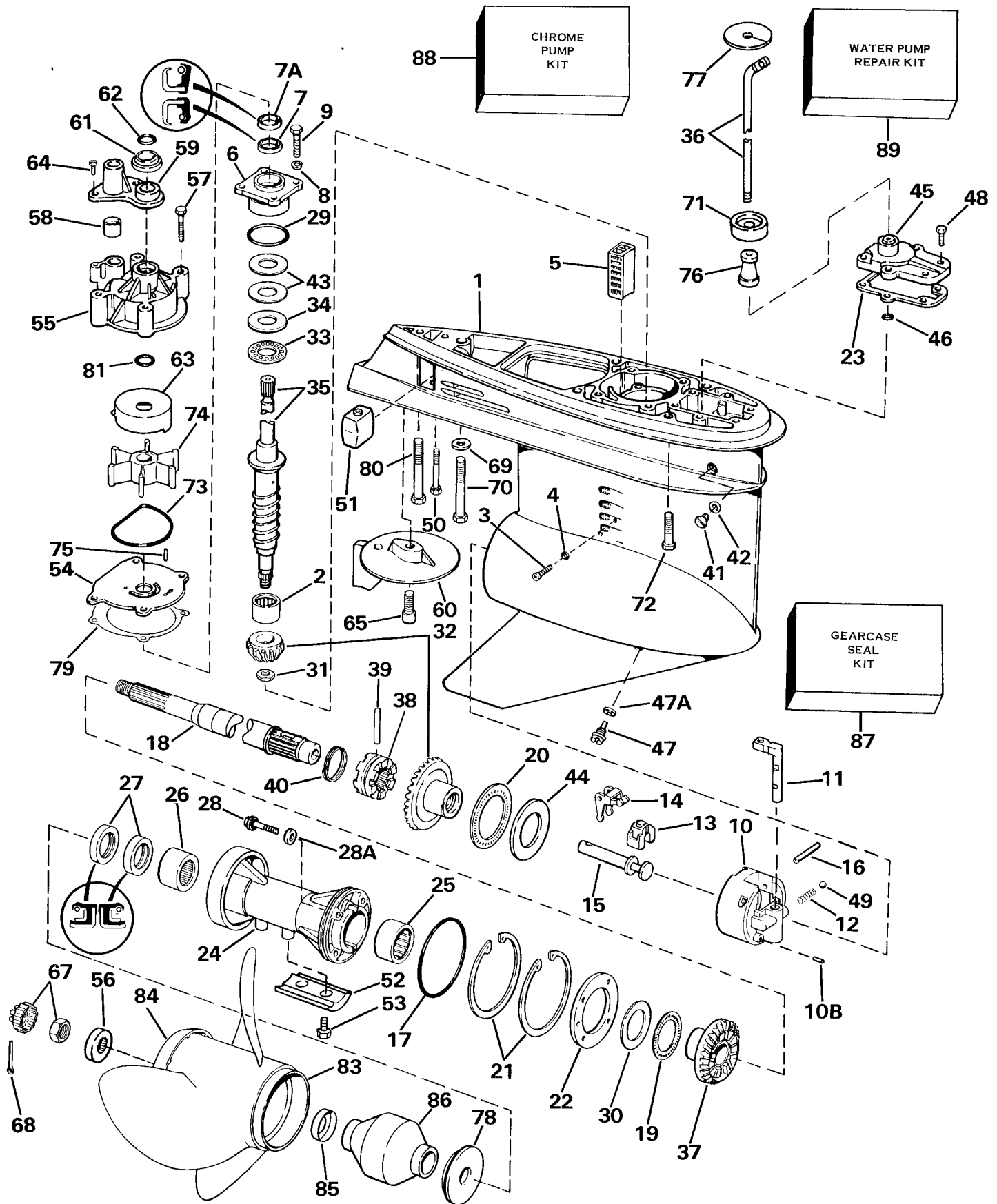
MID-SECTION



CK44

Ref. No	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	984321	SWIVEL BRACKET	1	47	334113	GASKET, Inner exh hsg to plate ■	1
2	313607	LUBRICATION FITTING	3	48	910741	SCREW, Spray plate, rear	2
3	309731	O-RING	2	49	330931	SCREW, Long	2
4	912108	PLUG	2	50	912619	SPRAY PLATE	1
5	583357	LEAD ASSY , Ground	1	51	306422	NUT, Powerhead to adapter	3
6	320866	THRUST WASHER, Pivot shaft	1	52	312978	SCREW, Water plate to adapter	4
7	983132	STEERING ARM ASSY , Hydraulic	1	53	320936	SEAL, Exhaust housing	2
8	910903	BUSHING, Hydraulic	2	54	333563	PLATE, Water ■	1
9	327696	KEEPER, Pivot shaft	1	55	320839	EXHAUST HOUSING, Inner lower	1
10	320864	COVER, Mount bracket lower	2	56	911312	SEAL, Steering tube	1
11	322000	SCREW, Cover	8	57	330929	PLATE, Upper mount	1
12	911519	MOUNT BRACKET	1	58	908398	WASHER, Tilt cylinder pin	2
13	320746	NUT, Mount bracket	1	59	319590	SCREW, Tilt cylinder pin	2
14	320962	BUSHING	1	60	322481	BUSHING, Trim cylinder	2
15	397862	EXHAUST HOUSING ■	1	61	912267	PIN, Tilt cylinder	1
16	314956	STUD	1	62	328696	SCREW, Ground wire to swivel bracket	1
17	307708	WASHER, Exhaust housing	6	63	333566	GASKET, Adapter to megaphone ■	1
18	983142	RUBBER MOUNT, Lower	2	64	302860	SCREW, Adapter to powerhead	2
19	328078	SCREW, Mount	4	65	306470	LOCKWASHER, Nut, pwhtd to adapter	4
20	306314	LOCKWASHER, Mount	4	66	328742	NUT, Adapter to outer hsg	1
21	320961	SEAL, Gearcase to inner housing	1	67	328701	LOCKWASHER, Ground	2
22	329748	SEAL, Shift rod	1	68	306470	WASHER, Crankcase to adapter	3
23	333565	COVER, Water plate ■	1	69	306422	NUT, Crankcase to adapter	1
24	333564	GASKET, Cover to water plate ■	1	70	328096	MOUNTING SCREW	1
25	307161	WASHER, Ground lead	1	71	912109	SPRING, Friction plug	2
26	334112	EXHAUST HOUSING, Inner upper ■	1	72	912233	RETAINER, Seal	1
27	321015	WATER TUBE	1	73	909636	SCREW, Anode hole	2
28	305145	GROMMET, Water tube	1	74	398200	SEAL ASSY , Exhaust hsg	1
29	320937	SEAL	2	75	333434	SEAL, Cover to adapter	1
30	398779	ADAPTER, Exh hsg ■	1	76	909518	O-RING, Friction plug	2
31	314616	STUD	1	77	306835	SCREW, Crankcase to adapter	4
32	303459	SCREW, Adapter to housing	3	78	329743	STUD, Cover mount	4
33	303398	SCREW, Adapter to housing	2	79	329749	WASHER, Cover mount	2
34	302290	LOCKWASHER	AR	80	328584	MOUNT, Engine cover	2
35	303459	SCREW, Inner hsg to adapter	3	81	912622	DECAL, Exhaust hsg	1
36	306409	SCREW, Adapter to housing, outer	2	82	306835	SCREW, Adapter to cylinder	2
37	333879	GASKET, Adapter to powerhead ■	1	83	124341	SCREW, Cover, short ■	2
38	984468	RUBBER MOUNT ASSY , Upper	1	84	333165	SCREW, Cover, long ■	2
39	330930	SCREW, Upper mount	2	85	334118	SEAL, Exhaust hsg , front ■	1
40	393023	ANODE	1	86	311416	SCREW, Adapter to cylinder	2
41	912345	SCREW, Upper mount	2	87	312495	SCREW, Adapter to plate	1
42	313169	LOCKWASHER, Mount screw	2	88	913262	DEFLECTOR, Spray	1
43	912110	FRICITION PLUG	2	89	301250	WASHER, Spray deflector	2
44	332128	SCREW, Exhaust housing	6				
45	910736	SCREW, Spray plate, front	2				
46	911201	WASHER, Spray plate, rear	2				

GEARCASE - STANDARD ROTATION



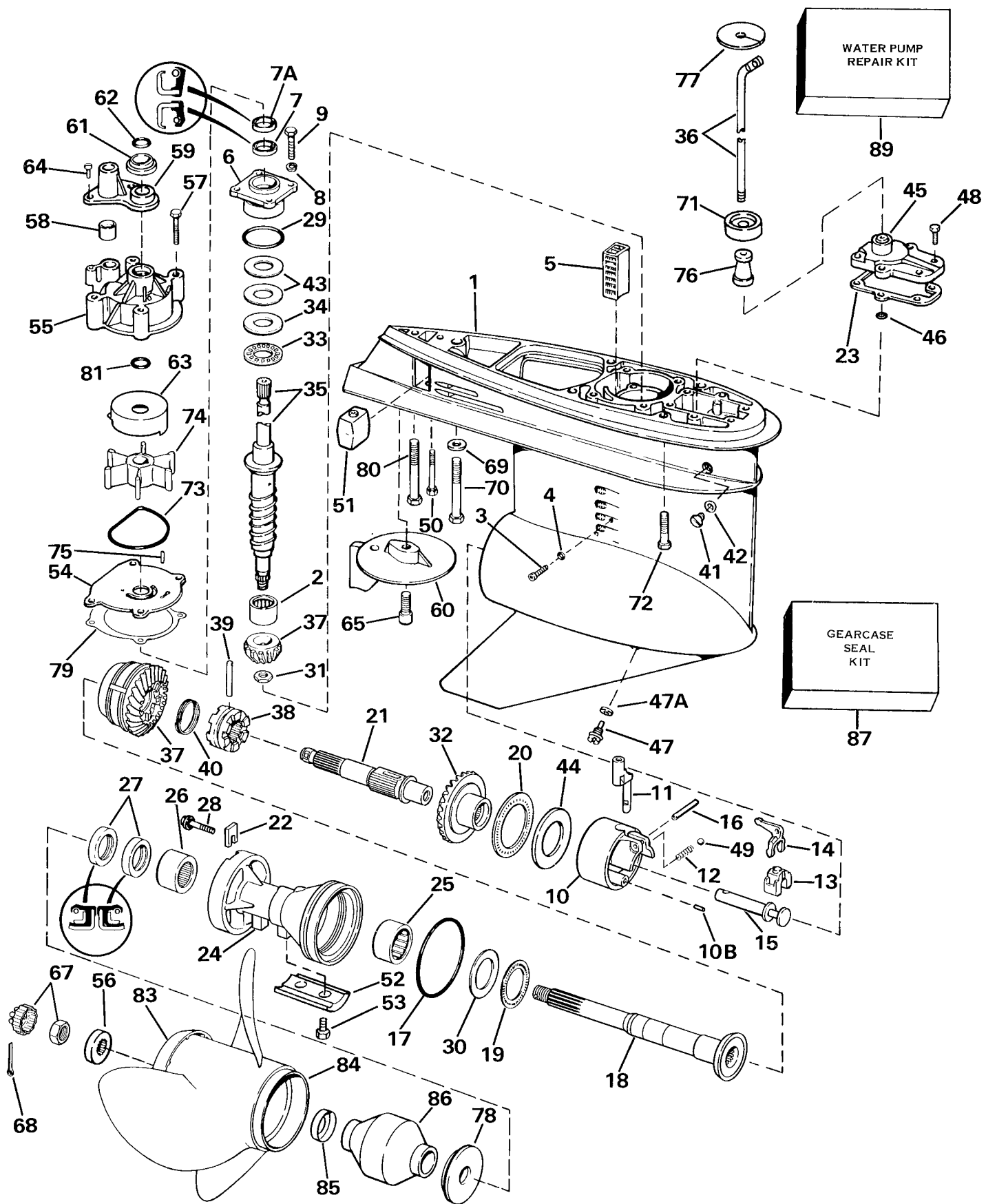
GEARCASE - STANDARD ROTATION

CK45

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
*	431903	GEARCASE ASSY, Complete	1	54	330383	PLATE, Impeller housing ⑦	1
1	431787	GEARCASE & BEARING ASSY	1	55	395040	IMPELLER HOUSING, Gearcase	1
2	387817	BEARING, Pinion	1	56	320570	SPACER, Propeller nut	1
3	324852	SET SCREW & SEAL, Bearing	1	57	328715	SCREW, Impeller housing ③	4
4	332584	SEAL ⑧	1	58	314008	GROMMET, Water tube ③	1
5	321123	SCREEN, Water intake	1	59	321159	COVER, Impeller housing ③	1
6	397493	BEARING HOUSING & SEAL	1	60	327640	TRIM TAB, Gearcase	1
7	329923	SEAL, Driveshaft, lower ⑧	1	61	320943	GROMMET, Impeller housing ③	1
7A	329922	SEAL, Driveshaft, upper ⑧	1	62	310585	O-RING, Driveshaft to crankcase ③	1
8	301250	WASHER	4	63	330379	CUP, Impeller ③ ⑥	1
9	316534	SCREW, Housing to gearcase	4	63	330384	CUP, Impeller housing ⑦	1
10	389455	HOUSING & BEARING ASSY	1	64	306643	SCREW, Cover to impeller ③	2
10B	331880	PIN, Housing	1	65	313715	SCREW, Trim tab	1
11	323946	DETENT, Shifter	1	67	398042	NUT & KEEPER, Propeller	1
12	911962	SPRING, Detent	1	68	306394	COTTER PIN, Propeller nut	1
13	334163	CRADLE, Shifter	1	69	330265	WASHER, Screw, long	1
14	322938	SHIFTER	1	70	331998	SCREW, Gearcase to housing	1
15	322941	SHAFT	1	71	321008	GROMMET, Exhaust housing to shift rod ③	1
16	328825	PIN, Shift lever	1	72	331999	SCREW, Gearcase to housing	4
17	321119	O-RING, Propeller shaft ⑧	1	73	331353	SEAL, Impeller housing plate ③	1
18	395209	PROPELLER SHAFT ASSY	1	74	395864	IMPELLER & KEY ASSY ③	1
19	382408	THRUST BRG, Reverse gear	1	75	331107	KEY, Impeller ③	1
20	389042	THRUST BRG ASSY, Fwd gear	1	76	321122	SPACER, Shift rod	1
21	321171	RETAINING RING	2	77	322302	SEAL, Shift rod	1
22	321174	RETAINER PLATE, Brg hsg	1	78	333592	THRUST BUSHING, 3 blade	1
23	324670	GASKET, Shift rod cover ⑧	1	78	318841	THRUST BUSHING, 4 blade	1
24	397094	BEARING HSG SEAL ASSY	1	79	324701	GASKET, Impeller housing plate ③ ⑧	1
25	382407	NEEDLE BEARING ASSY	1	80	330263	SCREW, Gearcase, rear	1
26	387247	NEEDLE BEARING ASSY	1	81	332000	SEAL RING ③	1
27	320862	SEAL ⑧	2	83	391536	PROPELLER, 15-1/2 x 13	1
28	316563	SCREW & SEAL ASSY ⑧	4	83	391535	PROPELLER, 15-1/2 x 15	1
28A	332583	SEAL	1	83	391200	PROPELLER, 15 x 17	1
29	314728	O-RING, Driveshaft bearing ⑧	1	83	391201	PROPELLER, 14-1/2 x 19	1
30	314731	THRUST WASHER, Reverse gear	1	83	391202	PROPELLER, 14-1/4 x 21	1
31	314730	NUT, Pinion to driveshaft	1	83	391203	PROPELLER, 14-1/4 x 23	1
32	983141	GEAR & PINION ASSY	1	83	390831	PROPELLER, 15-1/2 x 14 SST II	1
33	387656	THRUST BEARING, Pinion	1	83	389925	PROPELLER, 15 x 16 SST II	1
34	327656	THRUST WASHER, Pinion	1	83	391290	PROPELLER, 15 x 17 SST II	1
35	394616	DRIVESHAFT ASSY	1	83	389924	PROPELLER, 14-1/2 x 19 SST II	1
36	329865	SHIFT ROD	1	83	389923	PROPELLER, 14-1/4 x 21 SST II	1
37	910994	GEAR, Reverse	1	83	389019	PROPELLER, 14-1/4 x 23 SST II	1
38	334516	SHIFTER, Clutch dog	1	83	391863	PROPELLER, 14-1/4 x 27 SST SRX	1
39	313448	PIN, Clutch dog	1	83	391864	PROPELLER, 14-1/4 x 29 SST SRX	1
40	324369	SPRING, Clutch dog pin	1	83	394752	PROP, 14-1/2 x 18 SST RAKER	1
41	318544	PLUG, Fill & drain ⑧	1	83	394753	PROP, 14-1/2 x 20 SST RAKER	1
42	333572	O-RING	1	83	394754	PROP, 14-1/2 x 22 SST RAKER	1
43	333572	SHIM, 003	AR	83	394755	PROP, 14-1/2 x 24 SST RAKER	1
43	323361	SHIM, 004	AR	83	394756	PROP, 14-1/2 x 26 SST RAKER	1
43	314745	SHIM, 005	AR	83	394757	PROP, 14-1/2 x 28 SST RAKER	1
44	327669	THRUST WASHER, Fwd gear	1	84	332394	CONVERGING RING, 3 blade	1
45	388618	COVER & SEAL ASSY	1	85	313926	SLEEVE, Bushing	1
46	318372	O-RING, Shift rod ⑧	1	86	387157	BUSHING ASSY, Prop, 3 blade	1
47	318544	SCREW, Drain & fill ⑧	1	87	396353	GEARCASE SEAL KIT	1
47A	333572	O-RING	1	88	395059	CHROME PUMP KIT, (Includes hsg)	1
48	302325	SCREW, Cover	6	89	395060	WATER PUMP REPAIR KIT	1
49	160084	BALL, Detent	1	89	395062	WATER PUMP REPAIR KIT, Includes impeller housing	1
50	328096	SCREW, Anode	1				
51	393023	ANODE	1				
52	431708	ANODE, Bearing hsg	1				
53	908158	SCREW, Anode	2				
54	330380	PLATE, Impeller housing ③ ⑥	1				

* Not Shown ③ Contents of Water Pump Repair Kit ⑥ Stainless Steel ⑦ Chrome Plated ⑧ Contents of Gearcase Seal Kit

GEARCASE - COUNTER ROTATION



GEARCASE - COUNTER ROTATION

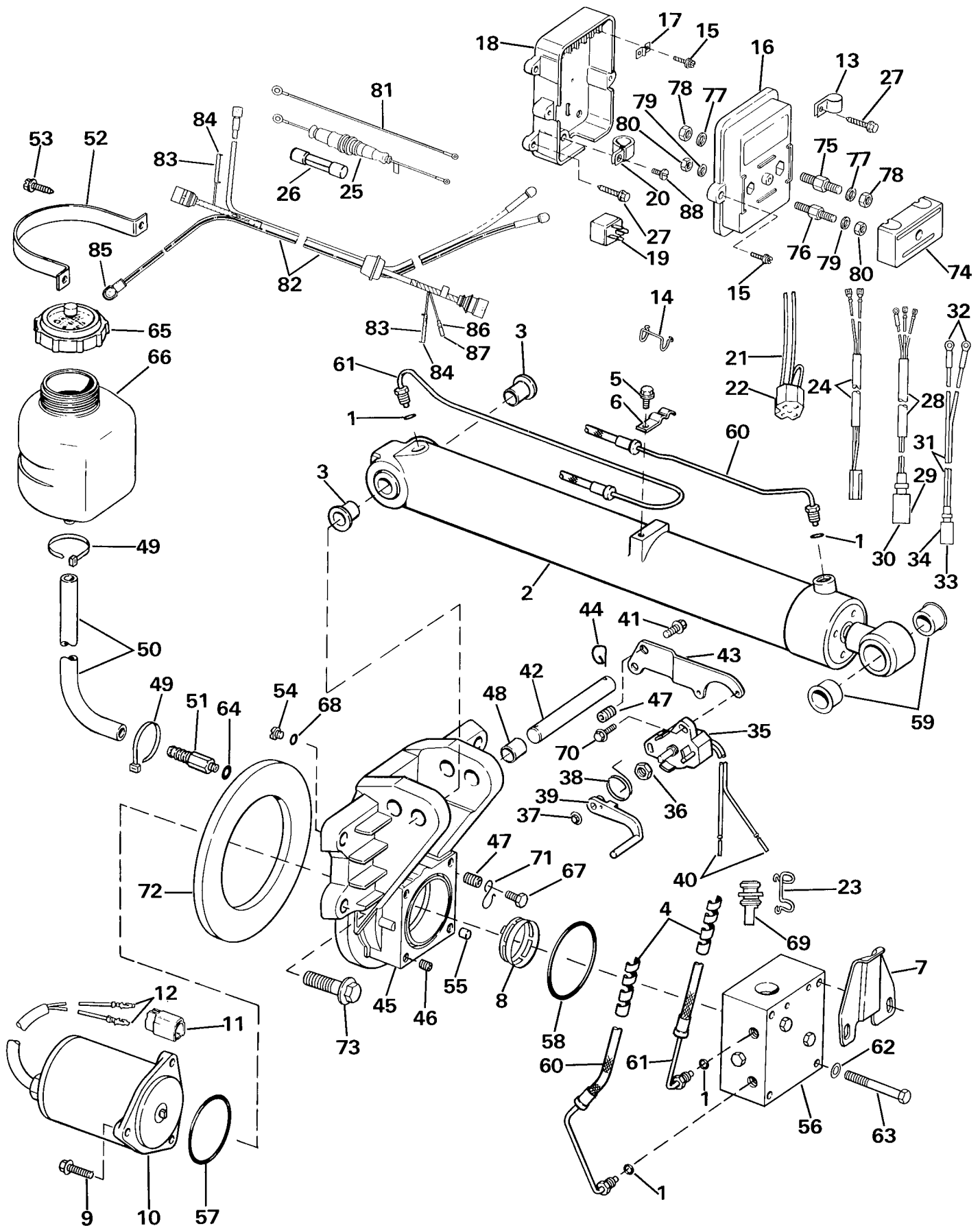
CK46

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
*	431907	GEARCASE ASSY, Complete	1	48	302325	SCREW, Cover	6
1	431695	GEARCASE & BEARING ASSY	1	49	160084	BALL, Detent	1
2	387817	BEARING, Pinion	1	50	328096	SCREW, Anode	1
3	324852	SET SCREW & SEAL, Bearing	1	51	393023	ANODE	1
4	332584	SEAL ⑧	1	52	431708	ANODE, Bearing hsg	1
5	321123	SCREEN, Water intake	1	53	908158	SCREW, Anode	2
6	397493	BEARING HOUSING & SEAL	1	54	330380	PLATE, Impeller housing ③ ⑥	1
7	329923	SEAL, Driveshaft, lower ⑧	1	54	330383	PLATE, Impeller housing ⑦	1
7A	329922	SEAL, Driveshaft, upper ⑧	1	55	395040	IMPELLER HOUSING, Gearcase	1
8	301250	WASHER	4	56	320570	SPACER, Propeller nut	1
9	316534	SCREW, Housing to gearcase	4	57	328715	SCREW, Impeller housing ③	4
10	431693	HOUSING & BEARING ASSY	1	58	314008	GROMMET, Water tube ③	1
10B	331880	PIN, Housing	1	59	321159	COVER, Impeller housing ③	1
11	334142	DETENT, Shifter	1	60	333961	TRIM TAB, Gearcase	1
12	911962	SPRING, Detent	1	61	320943	GROMMET, Impeller housing ③	1
13	334163	CRADLE, Shifter	1	62	310585	O-RING, Driveshaft to crankcase ③	1
14	334160	SHIFTER	1	63	330379	CUP, Impeller ③ ⑥	1
15	334143	SHAFT, Shifter	1	63	330384	CUP, Impeller housing ⑦	1
16	319627	PIN, Shift lever	1	64	306643	SCREW, Cover to impeller ③	2
17	321119	O-RING, Propeller shaft ⑧	1	65	313715	SCREW, Trim tab	1
18	431943	PROPELLER SHAFT ASSY	1	67	398042	NUT & KEEPER, Propeller	1
19	382408	THRUST BRG, Fwd gear	1	68	306394	COTTER PIN, Propeller nut	1
20	389042	THRUST BRG ASSY, Rev gear	1	69	330265	WASHER, Screw, long	1
21	432282	CLUTCH SHAFT ASSY	1	70	331998	SCREW, Gearcase to housing	1
22	333957	TAB, RETAINER	2	71	321008	GROMMET, Exhaust housing to shift rod ③	1
23	324670	GASKET, Shift rod cover ⑧	1	72	331999	SCREW, Gearcase to housing	4
24	431694	BEARING HSG SEAL ASSY	1	73	331353	SEAL, Impeller housing plate ③	1
25	431926	NEEDLE BEARING ASSY	1	74	395864	IMPELLER & KEY ASSY ③	1
26	387247	NEEDLE BEARING ASSY	1	75	331107	KEY, Impeller ③	1
27	320862	SEAL ⑧	2	76	321122	SPACER, Shift rod	1
28	333955	SCREW	2	77	322302	SEAL, Shift rod	1
29	314728	O-RING, Driveshaft bearing ⑧	1	78	333592	THRUST BUSHING	1
30	313447	THRUST WASHER, Fwd gear	1	79	324701	GASKET, Impeller housing plate ③ ⑧	1
31	314730	NUT, Pinion to driveshaft	1	80	330263	SCREW, Gearcase, rear	1
32	431703	REVERSE GEAR & BRG	1	81	332000	SEAL RING	1
33	387656	THRUST BEARING, Pinion	1	84	390821	PROPELLER, 14-1/2 x 19 SST II	1
34	327656	THRUST WASHER, Pinion	1	84	431930	PROPELLER, 15 x 17 SST II	1
35	394616	DRIVESHAFT ASSY	1	84	390822	PROPELLER, 14-1/4 x 21 SST II	1
36	329865	SHIFT ROD	1	84	390823	PROPELLER, 14-1/4 x 23 SST II	1
37	431801	FWD GEAR, & PINION ASSY	1	84	394214	PROPELLER, 14-1/2 x 27 SST SRX	1
38	334516	SHIFTER, Clutch dog	1	84	394215	PROPELLER, 14-1/2 x 29 SST SRX	1
39	313448	PIN, Clutch dog	1	84	398502	PROPELLER, 14-1/2 x 20, RAKER	1
40	324369	SPRING, Clutch dog pin	1	84	398503	PROPELLER, 14-1/4 x 22, RAKER	1
41	318544	PLUG, Fill & drain ⑧	1	84	398504	PROPELLER, 14-1/2 x 24 RAKER	1
42	311598	WASHER, Nylon	1	84	398505	PROPELLER, 14-1/2 x 26 RAKER	1
42	333572	O-RING	1	84	398506	PROPELLER, 14-1/2 x 28 RAKER	1
43	323362	SHIM, 003	AR	85	313926	SLEEVE, Bushing	1
43	323361	SHIM, 004	AR	86	387157	BUSHING ASSY, Prop	1
43	314745	SHIM, 005	AR	87	396353	GEARCASE SEAL KIT	1
44	397566	THRUST WASHER, Reverse gear	1	89	395060	WATER PUMP REPAIR KIT	1
45	388618	COVER & SEAL ASSY	1	89	395062	WATER PUMP REPAIR KIT, Includes impeller housing	1
46	318372	O-RING, Shift rod ⑧	1				
47	318544	SCREW, Drain & fill ⑧	1				
47A	311598	WASHER, Nylon	1				
47A	333572	O-RING	1				

* Not Shown

③ Contents of Water Pump Repair Kit ⑥ Stainless Steel ⑦ Chrome Plated ⑧ Contents of Gearcase Seal Kit

SELECTRIM®/TILT



CK48

2 0, 3 0

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	321117	O-RING, Oil	4	45	984314	ANCHOR BRACKET	1
2	983544	CYLINDER ASSY	1	46	910901	INSERT, 5/16-18	4
*	983740	O-RING KIT, Tilt cylinder	1	47	910934	INSERT, 1/4-20	3
3	910855	BUSHING	2	48	911910	BUSHING	4
4	911909	SLEEVE, Oil line hose	2	49	320107	TIE STRAP	5
5	908158	SCREW	1	50	**	HOSE, Reservoir, 546mm (21-1/2")	1
6	911367	CLAMP	1	51	911520	NIPPLE, Reservoir	1
7	911508	SUPPORT	1	52	910986	STRAP, Reservoir mtg	1
8	321350	FILTER, Oil pump	1	53	910987	SCREW, Reservoir mtg	2
9	909386	SCREW	3	54	911252	PLUG	1
10	985237	MOTOR ASSY	1	55	910965	DOWEL, Valve body	2
11	325698	CONNECTOR, Motor	1	56	984315	VALVE BODY ASSY	1
12	511657	TERMINAL	AR	57	321163	O-RING, Motor	1
*	583522	BRUSH & SEAL KIT ①	AR	58	910966	O-RING, Valve body	1
*	984058	END CAP & BRUSH ASSY ②	1	59	322481	BUSHING	2
13	317000	CLAMP	2	60	983542	OIL LINE ASSY, Rod end	1
14	512742	RETAINER, 3 Terminal	1	61	983543	OIL LINE ASSY, Piston end	1
15	329182	SCREW, Cover & terminal	9	62	306439	WASHER, Mounting screw	4
16	983160	COVER ASSY	1	63	911078	SCREW, Valve body	4
17	315004	TERMINAL BLOCK JUMPER	3	64	911522	O-RING	1
18	512639	BASE, Junction box	1	65	173851	CAP, Oil tank assy	1
19	582472	RELAY ASSY	2	66	910961	RESERVOIR	1
20	512066	CLAMP	1	67	329217	SCREW, Clamp	1
21	582186	CONNECTOR & LEAD ASSY	2	68	911311	O-RING	1
22	511866	CONNECTOR	1	69	512745	CONNECTOR, 2 Socket plug	1
23	512741	RETAINER, 2 Terminal	1	70	910974	SCREW, Sending unit mtg	2
24	984872	CABLE ASSY	1	71	910975	CLAMP, Leads	1
25	984847	FUSEHOLDER & LEAD ASSY	1	72	910985	GASKET, Tnt cylinder anchor	1
27	310981	SCREW, Mounting	6	73	911171	SCREW	4
28	984286	CABLE ASSY, Trim	1	74	910913	LID, Junction box cover	1
29	512748	CONNECTOR, 3 Pin rcpt	1	75	910908	BOLT, Double-ended, pos	1
30	511469	TERMINAL, Pin	3	76	910909	BOLT, Double-ended, neg	1
31	984874	CABLE ASSY, Sending unit	1	77	307708	LOCKWASHER	2
32	510780	TERMINAL, Ring	2	78	303889	NUT	2
33	511469	TERMINAL, Pin	2	79	306470	LOCKWASHER	2
34	512746	CONNECTOR, 2 Pin rcpt	1	80	912072	NUT	2
35	984739	SENDING UNIT ASSY	1	81	983099	LEAD ASSEMBLY	1
36	320689	NUT, Rotary switch	1	82	985308	CABLE ASSY, Engine thru transom	1
37	511527	RETAINER	1				
38	910790	SPRING	1	83	303806	TUBE	2
39	912602	ARM, Sending unit	1	84	308808	KNIFE DISCONNECT	2
40	581656	TERMINAL, Socket	AR	85	322815	TERMINAL COVER	1
41	329217	SCREW, Mounting bracket	2	86	513186	SLEEVE	1
42	912303	PIN, Cylinder	1	87	512876	TERMINAL	1
43	911365	BRACKET, Sending unit	1	88	321209	SCREW, Clamp	1
44	911247	PIN	2				

* Not Shown

** Cut to Length from 125115

① With "S" Identification Letter on End Cap

② Without Identification Letter on End Cap

25

PUMP
ASSEMBLY
O-RING KIT



STEERING PUMP

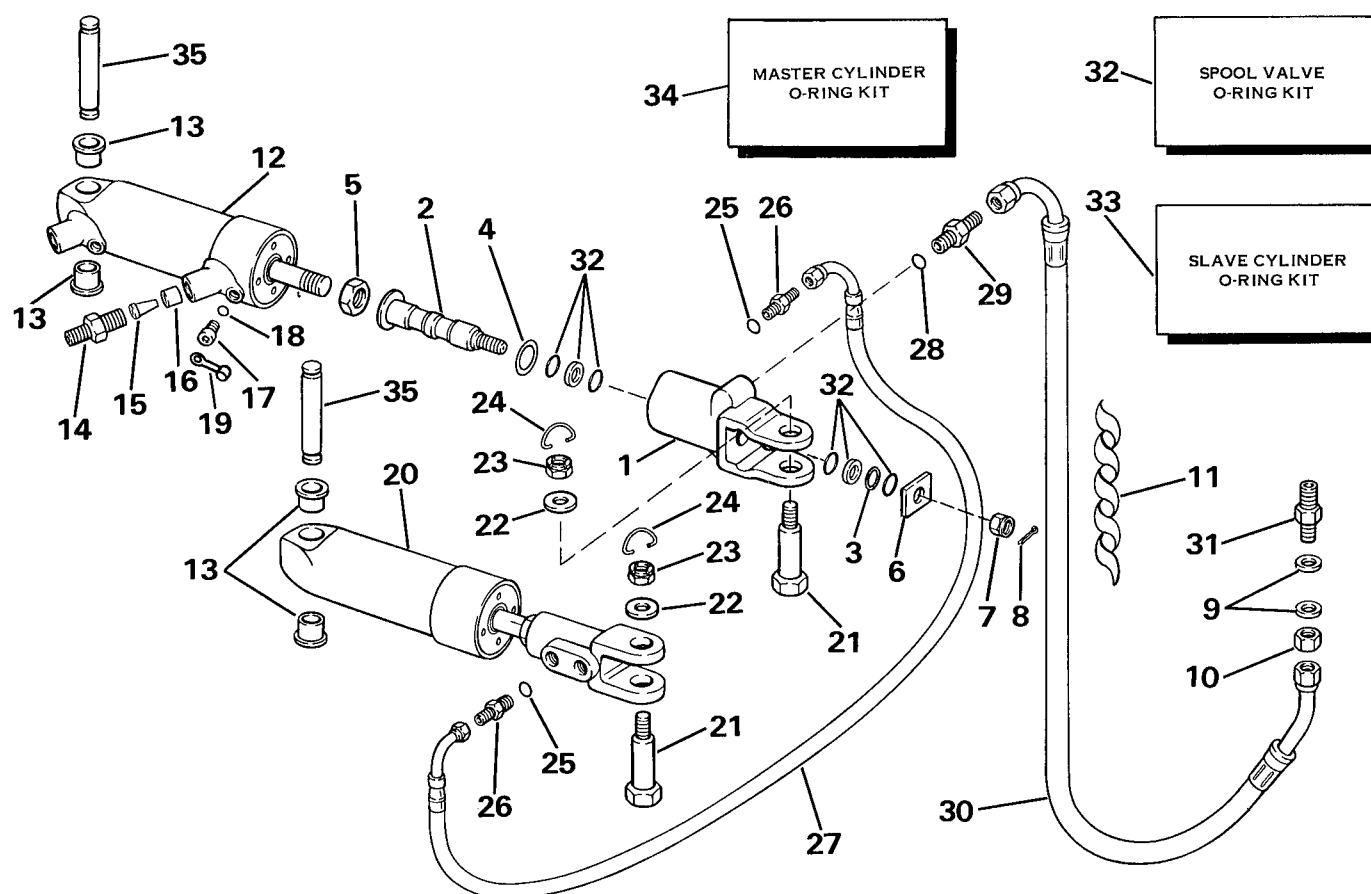
CK49

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
*	985325	PUMP ASSEMBLY	1	48	912149	HOSE, Bulkhead to oil cooler, port eng	1
1	123018	SCREW	4	49	984266	TUBE, Bulkhead to oil cooler hose, port eng	1
2	301967	O-RING ①	1	50	309192	WASHER, Idler	5
3	912590	O-RING ①	1	51	323320	HOSE, Oil, Drain, cooler	1
4	310585	O-RING, Housing, relief valve ①	2	52	912302	PLUG, PUMP ASSY	2
5	318626	BALL	2	53	911522	O-RING, Plug	2
6	391849	BEARING	1	54	910959	FITTING, Pressure ②	1
7	913193	SCREEN, Filter	1	55	913437	ASPIRATOR, Lower cover	1
8	122678	O-RING, Seat, relief valve	2	56	912059	PULLEY, Flywheel	1
11	912050	SPRING, Sump relief	1	*	984140	IDLER ASSEMBLY	1
12	912040	GEROTOR	1	57	912463	SPACER	1
13	913196	BEARING	1	58	912112	RETAINING RING	1
14	912323	RETAINING RING	1	59	984496	HOUSING	1
15	912043	GUIDE, Ball	2	60	912113	BUSHING	1
16	912044	SPRING, Pressure relief	1	61	985055	SHAFT	1
17	912045	SEAT, Ball	2	62	304612	RETAINING RING	1
18	912046	HOUSING, Relief valve	2	63	984372	BEARING, Lower	1
19	913198	SHAFT	1	64	321928	SEAL	1
20	912048	SEAL, Shaft ①	1	65	984159	BEARING, Upper	1
21	912049	RETAINING RING	1	66	912067	HOSE, Oil cooler to filter	1
22	913197	FILTER, Reservoir	1	67	912095	CLAMP, Oil filter	1
23	913195	PLUG	3	68	984141	OIL FILTER ASSY	1
24	912352	O-RING, Plug	3	69	984142	OIL COOLER ASSY	1
25	985330	PUMP ASSY O-RING KIT	1	70	318611	SCREW, Pump mount, long	1
26	912061	ROD, Adjustment	1	71	912152	HOSE, Elbow to oil cooler	1
27	912062	BELT, Pump assy	1	72	320107	TIE STRAP	AR
28	326712	NIPPLE, Oil cooler drain hose	1	73	912285	HOSE, 30° tee to aspirator	1
29	912056	FITTING, Oil return	1	74	330365	HOSE, Oil cooler to aspirator	1
30	982115	CLAMP	6	75	911103	30° TEE, Overboard indicator	1
31	306503	SCREW, Adjustment rod	1	76	912063	STRAP, Oil cooler	1
32	309484	SCREW, Pump mounting	2	77	912064	SLEEVE, Oil cooler	1
33	319366	SCREW, Idler pivot	2	78	912000	ELBOW, Oil cooler	1
34	308688	WASHER, Pump mounting screw	3	79	912160	SPACER, Housing to cylinder	1
35	319150	LOCKWASHER, Adjustment rod	2	80	913439	HOSE, Water intake	1
36	309192	WASHER, Adjustment rod	2	81	306500	SCREW, Belt retainer	1
37	309192	WASHER, Pivot screw	1	82	912060	PULLEY, Pump assy	1
38	325115	SCREW, Flywheel Pulley	6	83	310439	CLAMP, Hose	2
39	122890	NUT, Pulley	2	84	329217	SCREW, Oil cooler clamp to block	2
40	310702	NUT	4	85	911581	SLEEVE, Steering hose, stbd	5
41	912072	NUT, Adjustment rod	2	86	305720	KEY, Shaft	2
42	984139	INDICATOR, Plug assy	1	87	912058	PULLEY, Idle assy	1
43	912830	WASHER, Indicator plug	1	88	330970	SEAL, Aspirator	1
44	984573	HOSE, Bulkhead to pump, stbd eng	1	89	913438	HOSE, Check valve to 30° tee	1
44	985516	HOSE, Bulkhead to pump, port eng	1	90	331216	HOSE, Control valve to aspirator	1
45	911012	O-RING, Fitting	2	91	913436	TEE, Adaptor housing	1
46	912066	HOSE, Oil filter to pump	1	92	398456	NIPPLE & VALVE, Aspirator	1
47	912113	RETAINER, Drive belt	1	93	321890	HOSE, 90° tee to 90° tee	1
48	984201	HOSE, Bulkhead to oil cooler, stbd eng	1				

* Not Shown

① Contents of Pump Assy O-Ring Kit

STEERING CYLINDER GROUP



883121

CK50

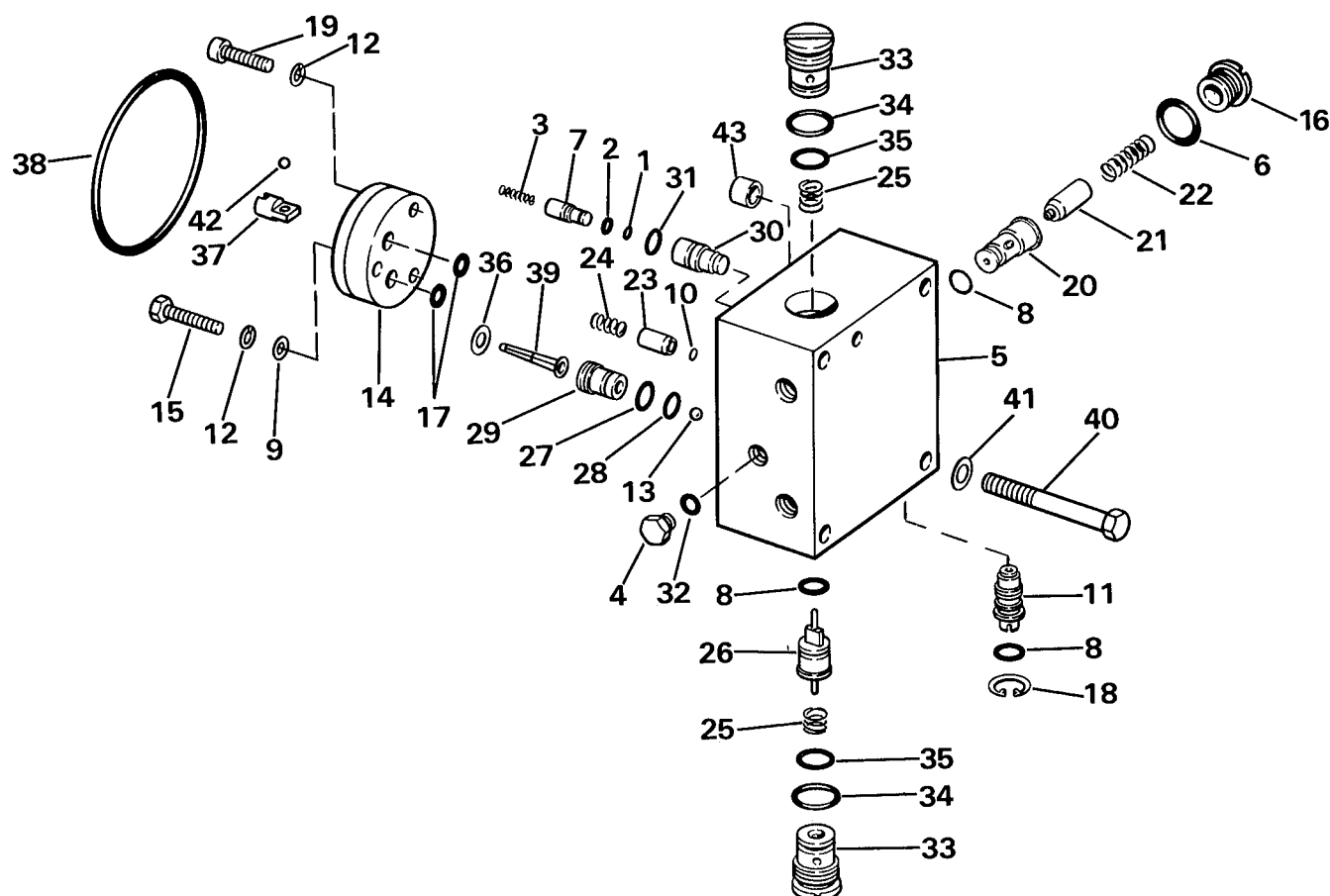
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Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
*	984150	HOUSING & VALVE ASSY, Spool	1	19	913587	CAP, Bleed screw seal	1
1	984152	HOUSING, Steering cylinder ..	1	20	984151	STEERING CYLINDER, Slave ..	1
2	985573	SPOOL VALVE .	1	21	910926	SHOULDER BOLT, Clevis	2
3	913359	SHIM, Spool valve	1	22	910927	WASHER, Clevis	2
4	913360	SHIM, Cylinder to housing	1	23	910928	LOCKNUT, Clevis	2
5	912104	NUT, Cylinder to housing . .	1	24	912322	RETAINER, Locknut	2
6	912103	WASHER, Spool valve . .	1	25	912222	O-RING, Fitting to housing .	4
7	307160	NUT, Spool valve ①	1	26	984187	FITTING, Hose	4
8	300723	COTTER PIN, Spool valve ① ..	1	27	984174	HOSE, Housing to cylinder housing	2
9	318937	WASHER, Hose to bulkhead . . .	4	28	911012	O-RING, Fitting to housing	2
10	912162	NUT, Hose to bulkhead	2	29	910959	FITTING, Hose ..	2
11	911581	SLEEVE, Hoses	4	30	984178	HOSE, Housing to bulkhead fitting	2
12	984837	STEERING CYLINDER, Master ..	1	31	912161	FITTING, Hose to bulkhead	2
13	910855	BUSHING, Steering cylinder	4	32	984452	SPOOL VALVE O-RING KIT	1
14	910959	FITTING, Steering cylinder ..	2	33	984583	SLAVE CYLINDER O-RING KIT .	1
15	983172	FILTER	2	34	984425	MASTER CYLINDER O-RING KIT	1
16	911199	SPACER	2	35	910951	PIN, Steering cylinder .	2
17	984326	BLEED SCREW ASSY	2				
18	912325	O-RING, Bleed screw	2				

* Not Shown

① Contents of Spool Valve O-Ring Kit

VALVE BODY ASSY.



873118

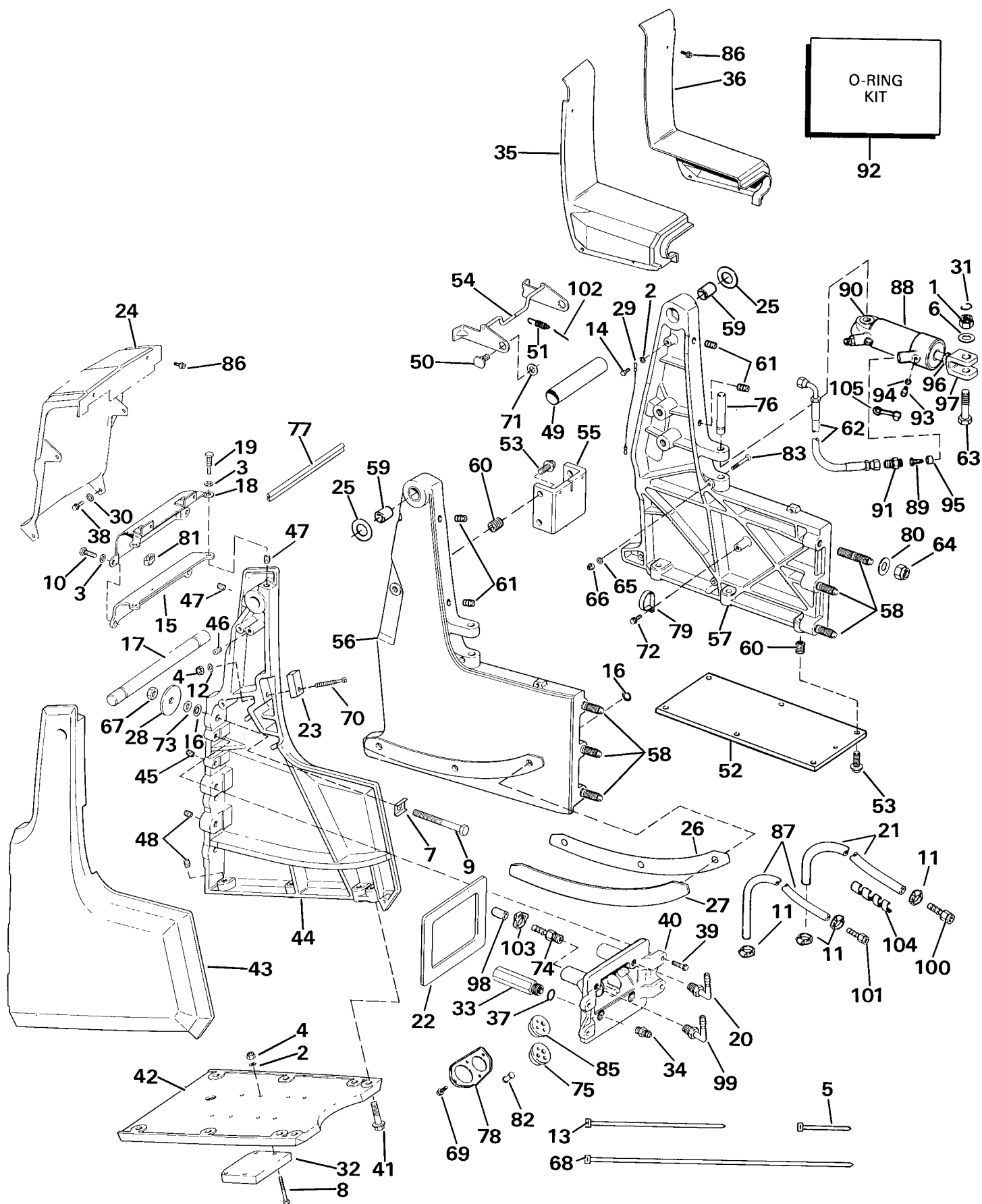
CK51

2 0, 3 0

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
*	984315	VALVE BODY ASSY	1	22	911618	SPRING	1
1	324678	O-RING	1	23	122759	POPPET	1
2	324677	O-RING	1	24	321282	SPRING	1
3	325863	SPRING	1	25	323846	SPRING, Pump control piston	2
4	911252	PLUG, Valve body	1	26	323848	PISTON, Pump control	1
5	911320	VALVE BODY	1	27	202893	O-RING	1
6	326649	O-RING	1	28	303191	O-RING	1
7	325862	VALVE CORE	1	29	911603	VALVE SEAT	1
8	202893	O-RING, Valve seat & piston	3	30	391155	SEAT, Valve core, relief valve	1
9	300154	WASHER, Pump to manifold	1	31	326425	O-RING, Valve seat	1
10	122757	SEAL, Valve	1	32	911311	O-RING, Housing	1
11	387990	VALVE ASSY, Manual release	1	33	387376	VALVE SEAT, Housing & seal assy	2
12	306311	LOCKWASHER, Screw, pump	3	34	326649	O-RING	1
13	800128	BALL	1	35	304174	O-RING	1
14	985444	OIL PUMP ASSY	1	36	911307	WASHER, Filter	1
15	321219	SCREW, Pump to manifold	1	37	322174	COUPLING, Oil pump to motor	1
16	910866	HOUSING, Valve seat, manifold	1	38	910966	O-RING, Valve body	1
17	321357	O-RING, Pump, small	2	39	321165	FILTER	1
18	321362	RETAINING RING, Manual release	1	40	911078	SCREW, Valve body	4
19	321942	SCREW, Oil pump to manifold	2	41	306439	WASHER, Mounting screw	4
20	983786	VALVE CORE & SEAL ASSY	1	42	322175	BALL, Coupling	1
21	913288	SEAT, Valve	1	43	910965	DOWEL, Valve body	2

* Not Shown

TRANSOM BRACKET ASSEMBLY - HYDRAULIC STEERING



TRANSOM BRACKET ASSEMBLY - HYDRAULIC STEERING

CK47

Ref. No.	P/N	Name of Part	Qty.	Ref. No.	P/N	Name of Part	Qty.
1	910928	LOCKNUT, Steering arm to steering cylinder	1	53	911170	SCREW, Plate to engine bracket	10
2	328701	LOCKWASHER, Ground wire and anode	3	54	983547	TRAIL LOCK LEVER AND ROD	1
3	308688	WASHER, Guide plate	4	55	911646	SUPPORT BRACKET	1
4	313022	NUT	6	56	984809	ENGINE BRACKET ASSY, Port	1
5	320107	TIE STRAP	AR	57	984810	ENGINE BRACKET ASSY, Stbd	1
6	910927	WASHER, Steering arm to steering cylinder	1	58	912265	STUD, Swivel housing to engine bracket	3
7	911505	RETAINER, Mounting bolts	6	59	910941	BUSHING, Engine brkt	1
8	324430	SCREW, Anode to plate	4	60	910939	INSERT, 1/2-13, locking	6
9	326614	BOLT, Transom bracket	6	61	910934	INSERT, 1/4-20, locking	7,8
10	328095	SCREW, Guide plate	2	62	984862	OIL LINE ASSEMBLY	2
11	982115	CLAMP, Fuel hose	4	63	910926	BOLT, Steering arm to steering cylinder	1
12	300721	WASHER, Spacer	2	64	910925	LOCKNUT, Swivel housing to bracket	6
13	907833	TIE STRAP, 11" long	AR	65	303887	WASHER, Steering cylinder to engine bracket	1
14	329217	SCREW, Ground strap	2	66	313022	NUT, Steering cylinder to engine bracket	1
15	911922	PLATE, Transom bracket, upper	1	67	313650	NUT, Transom bracket assy	6
16	910953	RETAINING RING	12	68	910817	TIE STRAP, 21" long	1
17	911347	SHAFT, Tilt pivot	1	69	329217	SCREW, Grommet retainer	4
18	983571	GUIDE PLATE	1	70	306337	SCREW, Spacer	2
19	911346	SCREW, Guide plate	2	71	320248	WASHER, Screw, trail lock	2
20	912000	ELBOW, Fuel line to bracket	1	72	329217	SCREW, Clamp to engine bracket	2
21	*	HOSE, Fuel line, 1524mm (60")	1	73	910699	WASHER, Sealing	6
22	910988	GASKET, Control bracket to transom	1	74	123199	NIPPLE, Control bracket, oil	1
23	983531	SPACER & PIN	2	75	911488	GROMMET, Shift and throttle cables, black	1
24	912703	COVER, Transom bracket assy	1	76	910951	PIN, Steering cylinder	1
25	910992	THRUST WASHER	2	77	910963	COVER, Shift and throttle cables	1
26	911337	SHIM, Thrust plate	AR	78	911425	PLATE, Grommet retainer	1
27	912710	THRUST PLATE	2	79	911495	CLAMP, Cables to engine bracket	2
28	911235	WASHER, Transom mount	6	80	912268	WASHER, Swivel housing to bracket	6
29	981870	GROUND WIRE ASSY	1	81	911027	GUIDE, Shift and throttle cable	1
30	901893	WASHER, Cover to transom bracket	4	82	911082	PLUG, Grommet	2
31	912322	RETAINER, Nut	1	83	911092	SCREW, Pin, steering cylinder	1
32	983191	ANODE ASSY	1	85	911489	GROMMET, Shift and throttle cable, brown	1
33	910958	FITTING, Steering, control bracket	2	86	912738	SCREW, Cover transom and engine	8
34	910959	FITTING, Steering line to bracket	2	87	912004	HOSE, Oil line	1
35	912707	COVER, Engine bracket, port	1	88	984837	STEERING CYLINDER	1
36	912708	COVER, Engine bracket, stbd	1	89	983172	FILTER	2
37	911030	O-RING, Steering fitting	2	90	910855	BUSHING	2
38	329217	SCREW, Cover, transom bracket	4	91	910959	FITTING	2
39	123018	SCREW, Control bracket to transom bracket	4	92	984425	O-RING KIT, Stg cylinder	1
40	983597	CONTROL BRACKET	1	93	984426	BLEED SCREW ASSY	2
41	911171	SCREW, Plate to transom bracket	8	94	912325	O-RING, Bleed screw	1
42	911332	PLATE, Transom bracket, lower	1	95	911199	SPACER, Fitting	2
43	984789	TRANSOM BRACKET ASSY, port	1	96	331639	NUT, Clevis	1
44	984790	TRANSOM BRACKET ASSY, Stbd	1	97	912021	CLEVIS	1
45	910901	INSERT, 5/16-18, locking	2	98	309174	CAP, Oil fitting	1
46	910934	INSERT, 1/4-20, locking	3,4	99	912001	ELBOW, Oil line to bracket	1
47	910935	INSERT, 3/8-16, locking	2	100	911502	CONNECTOR, Fuel hose	1
48	910939	INSERT, 1/2-13, locking	6	101	911503	CONNECTOR, Oil hose	1
49	910942	SLEEVE, Pivot shaft	1	102	305296	COTTER PIN, Trail lock spring	1
50	910949	SCREW, Trail lock	2	103	322652	CLAMP, Oil hose	1
51	911360	SPRING, Trail lock	1	104	911581	SLEEVE, Fuel & oil hoses	2
52	911356	PLATE, Engine bracket, lower	1	105	913587	CAP, Bleed screw	2

* Cut to Length From 912575

United States of America

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