

Volvo Penta

ALUMINUM ANODES

No. 12783 ALUMINUM ANODE OEM: 875810  AQ100, 100B, 100S	No. 12786 ALUMINUM ANODE OEM: 875812  AQ110S	No. 12781 ALUMINUM ANODE OEM: 876286  AQ120S, 120SB	No. 12785 ALUMINUM ANODE OEM: 875809  AQ200
No. 12784 ALUMINUM ANODE OEM: 875805  AQ250, 270, 270T, 275	No. 12788 ALUMINUM ANODE OEM: 875821  AQ280DP, 290DP	No. 12787 ALUMINUM ANODE OEM: 875815  AQ280, 280T, 280PT, 290, 290A	No. 12780 ALUMINUM ANODE OEM: 832598  AQ200, 250, 270, 275, 280, 280DP
No. 12782 ALUMINUM ANODE OEM: 852835  AQ290, 290DP	No. 12778 ALUMINUM ANODE OEM: 872793  290, 290DP, DP-X	No. 12777 ALUMINUM ANODE OEM: 3855411  Cobra SX, DP-S/SI	No. 12699 ALUMINUM ANODE OEM: 3854130  Cobra SX
No. 12681 ALUMINUM ANODE OEM: 3852970  Cobra SX	No. 12973  ALUMINUM ANODE OEM: 3588748  DPH-A/B	No. 12972  ALUMINUM ANODE OEM: 3588770  DPH-A/B, DPR-A/B	No. 12974  ALUMINUM ANODE OEM: 3589876  DPR-A/B
No. 12854 ALUMINUM ANODE OEM: 873395  DPX	No. 12975  ALUMINUM ANODE OEM: 3888816  SXA-DPSA	No. 12976  ALUMINUM ANODE OEM: 3888813  SXA-DPSA	No. 12789 ALUMINUM ANODE OEM: 838929  Diesel Engine, MD19, 21, 27, 29, 32, AQ30, 31, 40, 41

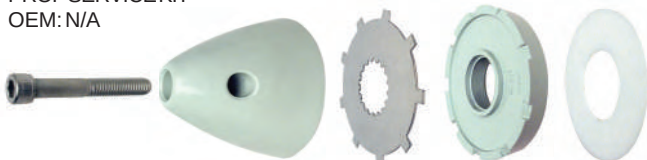
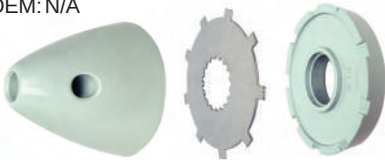
Volvo Penta

PROP SERVICE KITS & THRUST RINGS - VOLVO PENTA AQ

Prop Service Kits - Quick Reference Guide

Kit No. Part No.	No. 23120 PROP SERVICE KIT	No. 23121 PROP SERVICE KIT	No. 23122 PROP SERVICE KIT	No. 23123 PROP SERVICE KIT	No. 23124 PROP SERVICE KIT
No. 23070 PLASTIC WASHER	✓			✓	✓
No. 23060 TAB WASHER	✓	✓	✓		
No. 23050 SPACER WASHER	✓	✓	✓	✓	
No. 23040 PROPCONE	✓	✓	✓	✓	✓
No. 23240 SCREW	✓		✓	✓	✓

Prop Service Kits

No. 23120 PROP SERVICE KIT OEM: N/A 	No. 23123 PROP SERVICE KIT OEM: N/A 	
No. 23121 PROP SERVICE KIT OEM: N/A 	No. 23122 PROP SERVICE KIT OEM: N/A 	No. 23124 PROP SERVICE KIT OEM: N/A 

Prop Service Kit Components

No. 23070 PLASTIC WASHER OEM: 850888 	No. 23060 PROLOCK TAB WASHER OEM: 897367 	No. 23050 SPACER WASHER OEM: 854047 	No. 23040 PROPCONE OEM: 854045 with No. 23240 Screw 	No. 23240 SCREW OEM: 850889 
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Thrust Rings

No. 23150 THRUST RING OEM: 839423  280-290 SP	No. 23151 THRUST RING OEM: 872082  SP Fishing Line Cutter	No. 23160 THRUST RING OEM: 839534  250, 270, 275	No. 23152 THRUST RING OEM: 3858457  DP	No. 23153 THRUST RING OEM: 3858458  DP
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OMC

OIL SEALS							
GLM No.	OEM No.	Shaft Size	Bore Size	GLM No.	OEM No.	Shaft Size	Bore Size
Table By OEM Numbers							
86350	302564	0.7813	1.3750	86510	324639	0.4375	0.9375
86360	303345	0.5625	1.0000	86750	326716	0.7500	1.3750
86380	305987	1.0000	1.3750	86450	327031	0.4375	0.8750
86370	309989	1.3750	2.0000	86240	329922	0.8750	1.3750
85110	310599	1.0000	1.5000	86250	329923	0.8750	1.3750
86040	310649	2.5000	3.0000	86030	330137	1.1250	1.6250
86390	313282	0.5540	1.0625	86270	330327	0.6250	1.1250
86740	313283	0.8125	1.3125	86790	331103	1.1250	1.6250
86410	313284	0.6250	1.1250	86460	332205	0.7500	1.1250
86050	313353	1.9375	2.4375	86520	332261	0.6250	1.3750
85010	313392	1.1875	1.8750	86470	332942	1.6250	2.0625
86400	314167	0.4219	0.9375	86810	334950	1.2500	1.6875
86120	318972	0.5000	0.8750	86440	339620	1.6250	2.1250
85130	320862	1.1875	1.6875	86011	341280	0.8750	1.3750
85120	321453	0.8750	1.2500	86012	314281	1.2500	1.6875
86150	321459	0.6250	1.1250	86590	908855	0.6250	1.0000
86160	321466	0.7500	1.1250	86070	911019	1.0000	2.5000
86060	321467	1.0000	1.3750	86530	911685	2.0000	2.5000
86170	321480	0.5000	1.2500	86550	911788	1.0000	1.3750
86180	321481	0.6875	1.2500	86010	981195	1.5000	2.1250
86420	321786	0.6250	1.1250	86080	981196	1.7500	2.5000
86190	321787	0.6250	1.1250	86090	981268	1.6250	2.5000
86430	321788	0.5000	1.0000	87100	3852272	45MM	75MM
86760	321831	0.7500	1.2500	86610	3853655	0.5000	0.9062
86770	321895	1.6250	1.9219	87110	3853858	25MM	35MM
86200	321928	0.6250	1.3750	86260	3858303	1.2500	1.7500
Table By Shaft Size							
86400	314167	0.4219	0.9375	86250	329923	0.8750	1.3750
86450	327031	0.4375	0.8750	87110	3853858	25mm	35mm
86510	324639	0.4375	0.9375	85110	310599	1.0000	1.5000
86120	318972	0.5000	0.8750	86060	321467	1.0000	1.3750
86170	321480	0.5000	1.2500	86070	911019	1.0000	2.5000
86430	321788	0.5000	1.0000	86380	305987	1.0000	1.3750
86610	3853655	0.5000	0.9062	86550	911788	1.0000	1.3750
86390	313282	0.5540	1.0625	86030	330137	1.1250	1.6250
86360	303345	0.5625	1.0000	86790	331103	1.1250	1.6250
86410	313284	0.6250	1.1250	85010	313392	1.1875	1.8750
86150	321459	0.6250	1.1250	85130	320862	1.1875	1.6875
86190	321787	0.6250	1.1250	86012	314281	1.2500	1.6875
86200	321928	0.6250	1.3750	86810	334950	1.2500	1.6875
86270	330327	0.6250	1.1250	86260	385830	1.2500	1.7500
86420	321786	0.6250	1.1250	86370	309989	1.3750	2.0000
86520	332261	0.6250	1.3750	86010	981195	1.5000	2.1250
86590	908855	0.6250	1.0000	86090	981268	1.6250	2.5000
86180	321481	0.6875	1.2500	86440	339620	1.6250	2.1250
86160	321466	0.7500	1.1250	86470	332942	1.6250	2.0625
86460	332205	0.7500	1.1250	86770	321895	1.6250	1.9219
86750	326716	0.7500	1.3750	86080	981196	1.7500	2.5000
86760	321831	0.7500	1.2500	87100	3852272	45mm	75mm
86350	302564	0.7813	1.3750	86050	313353	1.9375	2.4375
86740	313283	0.8125	1.3125	86530	911685	2.0000	2.5000
85120	321453	0.8750	1.2500	86040	310649	2.5000	3.0000
86011	341280	0.8750	1.3750				
86240	329922	0.8750	1.3750				

OIL SEAL APPLICATIONS

Model	Years	GLM No.	Application	Qty.	Model	Years	GLM No.	Application	Qty.
Cobra Transom Mount					Stringer Mount Lower Gearcase Cont...				
262 - 460	1988-1990	86560	Driveshaft	1	110/120 (B)	1964-1967	85110	Brg. Retainer	1
350 - 460	1988	86550	Pivot Shaft	2	120-245	1968-1977	85110	Brg. Ret.-Lower	2
2.3L - 7.5L	1986-1988	86550	Pivot Shaft	2	120-260	1978-1981	86060	Brg. Ret.-Lower	2
2.3L - 7.5L	1986-1990	86550	Driveshaft	1	120/140	1978-1981	86030	Prop Shaft	2
Cobra Upper Gearcase					155 (C)	1967	86050	Brg. Ret.-Middle	2
262 - 460	1988-1989	86530	Brg. Carrier	1	155 (C)	1967	86040	Brg. Ret.-Upper	1
262 - 460	1988-1990	86610	Pump Shaft	1	185-260	1978-1981	85130	Prop Shaft	2
2.3L - 7.5L	1986-1990	86610	Pump Shaft	1	210-260 (D)	1972-1975	86070	Impeller Hsg.	1
2.3L-7.5L (A)	1986-1990	86530	Brg. Carrier	1	230/260 (D)	1976	86060	Impeller Hsg.	1
(A) 5,7L 1990 574 AMPWS, ARPWS					305/350/454 (D)	1977-1978	86060	Impeller Hsg.	1
Cobra Lower Gearcase					2.5L/3.0L	1982-1986	86030	Prop Shaft	2
262 - 460	1988-1989	85130	Prop Shaft	2	2.5L-5.7L	1981-1986	86040	Brg. Ret.-Upper	1
2.3L	1990	86030	Prop Shaft	2	2.5L-5.7L	1981-1986	86050	Brg. Ret.-Middle	2
2.3L - 3.0L	1986-1989	86030	Prop Shaft	2	2.5L-5.7L	1981-1986	86060	Brg. Ret.-Lower	2
3.0L	1990	85130	Prop Shaft	2	3.8L-5.7L	1981-1986	85130	Prop Shaft	2
4.3L - 7.5L	1986-1990	85130	Prop Shaft	2	(A) 110,120 HP (1964-67) Heavy Duty Drive (B) Standard Drive				
Stringer Mount Upper Gearcase					(C) HU, HUE 16 C Models (D) Inboard Engines				
Stringer Mount Upper Gearcase					Stringer Mount Intermediate Housing				
80 - 245	1968-1972	86090	Ball Gear	1	80-235	1964-1971	86370	Ball Gear-Outer	1
80 - 260	1969-1981	86090	Impeller Hsg	2	80-245	1964-1972	86030	Ball Gear-Inner	1
88 - 200	1964-1966	86370	Ball Gear	1	80-260 (B)	1964-1980	86070	Clutch	1
90 (C)	1967	86370	Ball Gear	1	100-245	1972	86370	Ball Gear-Outer	2
90 (D)	1967	86090	Ball Gear	1	100-260	1973-1979	85010	Ball Gear-Inner	1
100 - 245	1972-1973	86090	Ball Gear	1	100-260	1973-1981	86010	Ball Gear-Outer	2
100 - 260	1973-1981	86080	Ball Gear	2	120-260	1980-1981	85010	Ball Gear-Inner	2
120 (A)	1967	86090	Ball Gear	1	120-260 (A)	1980-1981	86060	Clutch	2
120 (B)	1967	86370	Ball Gear	1	2.5L-5.7L	1981-1986	86060	Clutch	2
120 (A)	1967	86090	Impeller Hsg	2	2.5L-5.7L	1981-1986	85010	Ball Gear-Inner	2
120 - 210	1968	86090	Impeller Hsg	2	(A) 120, 140 1980C Models 185-260 1980 K & U Models.				
155	1967	86090	Impeller Hsg	2	(B) C Models IN 1980.				
155 (E)	1967	86370	Ball Gear	1	Notes:				
155	1967	86090	Ball Gear	1					
185	1967	86370	Ball Gear	1					
200 (F)	1967	86370	Ball Gear	1					
200 (G)	1967	86090	Impeller Hsg	2					
200 (G)	1967	86090	Ball Gear	1					
2.5L - 5.7L	1981-1986	86080	Ball Gear	2					
2.5L - 5.7L	1981-1986	86090	Impeller Hsg	2					
(A) CU,CUE 16C Models (E) HU,HUE 15S Models									
(B) CU 15S Models (F) TU,TUE 15S Models									
(C) DU, DUE 14D Models (G) TU,TUE 16C Models									
(D) DU,DUE 15S Models									
Stringer Mount Lower Gearcase									
80 / 90	1968-1971	86070	Brg. Ret.-Lower	2					
80 / 90	1968-1971	86070	Prop shaft	2					
88 / 90	1964-1968	85110	Brg. Retainer	1					
80-260	1968-1981	86040	Brg Ret.-Upper	1					
80-260	1968-1981	86050	Brg. Ret.-Middle	2					
110-200 (A)	1964-1967	85110	Brg. Retainer	2					
11 0-245 (A)	1964-1977	85110	Prop Shaft	2					

O-RINGS

GLM	OEM	I.D.	O.D.	W.	GLM	OEM	I.D.	O.D.	W.	GLM	OEM	I.D.	O.D.	W.
Table By OEM Numbers														
80120	202893	3/8	1/2	1/16	81230	309731	1-3/16	1-3/8	3/32	81100	329381	3/8	9/16	3/32
81070	310824	7/32	13/32	3/32	82250	310327	1-7/8	2-1/8	1/8	80100	332583	1/4	3/8	1/16
45230	301877	31/128	73/128	21/128	82390	310414	3-5/8	3-7/8	1/8	80100	332584	1/4	3/8	1/16
81170	301967	13/16	1	3/32	82100	310584	3/4	1	1/8	81080	333572	1/4	7/16	3/32
82260	302337	2	2-1/4	1/8	81160	310585	3/4	15/16	3/32	81450	338518	2-9/16	2-3/4	3/32
82170	302493	1-3/16	1-7/16	1/8	81160	310967	3/4	15/16	3/32	81300	338522	1-5/8	1-13/16	3/32
81260	302537	1-3/8	1-9/16	3/32	80180	311338	3/4	7/8	1/16	81120	339543	1/2	11/16	3/32
82140	302540	1	1-1/4	1/8	82480	313175	4-3/4	5	1/8	82360	553126	3-1/4	3-1/2	1/8
82240	302588	1-3/4	2	1/8	81310	313340	1-11/16	1-7/8	3/32	81220	554545	1-1/8	1-5/16	3/32
81100	303067	3/8	9/16	3/32	82370	313446	3-3/8	3-5/8	1/8	81550	908194	4	4-3/16	3/32
80110	303191	5/16	7/16	1/16	81340	313754	1-7/8	2-1/16	3/32	81440	908383	2-1/2	2-11/16	3/32
81110	303347	7/16	5/8	3/32	80220	314491	1	1-1/8	1/16	81140	909047	5/8	13/16	3/32
82150	303360	1-1/16	1-5/16	1/8	81380	314728	2-1/8	2-5/16	3/32	41120	909048	1/2	11/16	3/32
80140	304174	1/2	5/8	1/16	80100	317178	1/4	3/8	1/16	42140	909139	1	1-1/4	1/8
82400	305123	3-3/4	4	1/8	45200	318372	8mm	16mm	4mm	80230	909140	1-1/16	1-3/16	1/16
82080	305146	5/8	7/8	1/8	83250	318717	1-1/2	1-7/8	3/16	81280	909316	1-1/2	1-11/16	3/32
82030	305242	5/16	9/16	1/8	83200	319085	1-1/8	1-1/12	3/16	81090	909747	5/16	1/2	3/32
82230	305270	1-5/8	1-7/8	1/8	81330	319662	1-13/16	2	3/32	82520	910238	5-1/4	5-1/2	1/8
80100	305739	1/4	3/8	1/16	82130	320140	15/16	1-3/16	1/8	82250	910582	1-7/8	2-1/8	1/8
82310	307082	2-5/8	2-7/8	1/8	82320	320303	2-3/4	3	1/8	80100	911311	1/4	3/8	1/16
80130	307450	7/16	9/16	1/16	80080	321117	3/16	5/16	1/16	82380	911686	3-1/2	3-3/4	1/8
80090	307853	7/32	11/32	1/16	81250	322501	1-5/16	1-1/2	3/32	82430	911700	4-1/8	4-3/8	1/8
82350	308621	3-1/8	3-3/8	1/8	80090	322598	7/32	11/32	1/16	81210	911718	1-1/16	1-1/4	3/32
81290	308458	1-9/16	1-3/4	3/32	81140	326649	5/8	13/16	3/32	81230	911871	1-3/16	1-3/8	3/32
81190	308624	15/16	1-1/8	3/32	82460	326741	4-1/2	4-3/4	1/8	45080	925093	70mm	76mm	3mm
81270	308626	1-7/16	1-5/8	3/32	82440	326849	4-1/4	4-1/2	1/8	81180	3852565	7/8	1-1/6	3/32
82280	308627	2-1/4	2-1/2	1/8	45230	326956	31/128	73/128	21/128					
81400	308876	2-1/4	2-7/16	3/32	81140	329380	5/8	13/16	3/32					
Table By Nominal Size														
80080	321117	3/16	5/16	1/16	81170	301967	13/16	1	3/32	82170	302493	1-3/16	1-7/16	1/8
80090	307853	7/32	11/32	1/16	81180	3852565	7/8	1-1/16	3/32	82230	305270	1-5/8	1-7/8	1/8
80090	322598	7/32	11/32	1/16	81190	308624	15/16	1-1/8	3/32	82240	302588	1-3/4	2	1/8
80100	305739	1/4	3/8	1/16	81210	911718	1-1/16	1-1/4	3/32	82250	310327	1-7/8	2-1/8	1/8
80100	317178	1/4	3/8	1/16	81220	554545	1-1/8	1-5/16	3/32	82250	910582	1-7/8	2-1/8	1/8
80100	332583	1/4	3/8	1/16	81230	309731	1-3/16	1-3/8	3/32	82260	302337	2	2-1/4	1/8
80100	332584	1/4	3/8	1/16	81230	911871	1-3/16	1-3/8	3/32	82280	308627	2-1/4	2-1/2	1/8
80100	911311	1/4	3/8	1/16	81250	322501	1-5/16	1-1/2	3/32	83210	307082	2-5/8	2-7/8	1/8
80110	303191	5/16	7/16	1/16	81260	302537	1-3/8	1-9/16	3/32	82320	320303	2-3/4	3	1/8
80120	202893	3/8	1/2	1/16	81270	308626	1-7/16	1-5/8	3/32	82350	308621	3-1/8	3-3/8	1/8
80130	307450	7/16	9/16	1/16	81280	909316	1-1/2	1-11/16	3/32	82360	553126	3-1/4	3-1/2	1/8
80140	304174	1/2	5/8	1/16	81290	308458	1-9/16	1-3/4	3/32	82370	313446	3-3/8	3-5/8	1/8
80180	311338	3/4	7/8	1/16	81300	338522	1-5/8	1-13/16	3/32	82380	911686	3-1/2	3-3/4	1/8
80220	314491	1	1-1/8	1/16	81310	313340	1-11/16	1-7/8	3/32	82390	310414	3-5/8	3-7/8	1/8
80230	909140	1-1/16	1-3/16	1/16	81330	319662	1-13/16	2	3/32	82400	305123	3-3/4	4	1/8
41120	909048	1/2	11/16	3/32	81340	313754	1-7/8	2-1/16	3/32	82430	911700	4-1/8	4-3/8	1/8
80170	301824	7/32	13/32	3/32	81380	314728	2-1/8	2-5/16	3/32	82440	326849	4-1/4	4-1/2	1/8
81080	333572	1/4	7/16	3/32	81400	308876	2-1/4	2-7/16	3/32	82460	326741	4-1/2	4-3/4	1/8
81090	909747	5/16	1/2	3/32	81440	908383	2-1/2	2-11/16	3/32	82480	313175	4-3/4	5	1/8
81100	303067	3/8	9/16	3/32	81450	338518	2-9/16	2-3/4	3/32	82520	910238	5-1/4	5-1/2	1/8
81100	329381	3/8	9/16	3/32	81550	908194	4	4-3/16	3/32	45230	301877	31/128	73/128	21/128
81110	303347	7/16	5/8	3/32	42140	909139	1	1-1/4	1/8	45230	326956	31/128	73/128	21/128
81120	339543	1/2	11/16	3/32	82030	305242	5/16	9/16	1/8	83200	319085	1-1/8	1-1/2	3/16
81140	326649	5/8	13/16	3/32	82080	305146	5/8	7/8	1/8	83250	318717	1-1/2	1-7/8	3/16
81140	329380	5/8	13/16	3/32	82100	310584	3/4	1	1/8	45080	925093	70mm	76mm	3mm
81140	909047	5/8	13/16	3/32	82130	320140	15/16	1-3/16	1/8	45200	318372	8mm	16mm	4mm
81160	310585	3/4	15/16	3/32	82140	302540	1	1-1/4	1/8					
81160	310967	3/4	15/16	3/32	82150	303360	1-1/16	1-5/16	1/8					

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / ENGINE SIDE

Models	Impeller Kit	Thermostat Kit	Complete Tune-Up Kit	Recirculating Water Pump	Exhaust Elbow	Exhaust Manifold
3.0GL MMDA 3.0GS PMDA	 89540	 13440	 71830	 15100	 51340	 51450
3.0GS MHUB / MNCA 3.0GS PHUB / PNCA	 89540	 13440	 71830	 15100	 51340	 51450
3.0GS MLKD / MBYMCE 3.0GS PLKD / PBYMCE	 89540	 13441	 71830	 15100	 51340	 51450
3.0GS MWTR / MWTS 3.0GS PWTR / PWTS	 89540	 13441	 71830	 15100	 51340	 51450
3.0GS MEFS / PFES	 89540	 13441	 71830	 15100	 51340	 51450
3.0GSM-A / B / C 3.0GSP-A / B / C	 89540	 13441	 71830	 15100	 51340	 51450
3.0GLM-A / B / C 3.0GLP-A / B / C	 89540	 13441	 71830	 15100	 51340	 51450
3.0GLP-D / E 3.0GLP-J / N	 89310	 13441	 71830	 15100	 51340	 51450
3.0GXi-J 3.0GXIC-J	 89310	 13080	-	 15100	-	-
430A 431A	 89310	 13381	 71750	 15201	 51520	 51640

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / ENGINE SIDE						
Models	Impeller Kit	Thermostat Kit	Complete Tune-Up Kit	Recirculating Water Pump	Exhaust Elbow	Exhaust Manifold
430B 431B	 89540	 13381	 71750	 15201	 51520	 51640
432A 434A	 89540	 13381	 71820	 15201	 51520	 51640
4.3GLM MDA 4.3GLP MDA 4.3GSP MDA	 89540	 13431	 71820	 15201	 51330	 51480
4.3GLP HUB 4.3GSP HUB 4.3GSP HUS	 89540	 13431	 71820	 15201	 51330	 51480
4.3GL PNCA / PNCM 4.3GL PNCS / PNCB 4.3GS PNCA / PNCM 4.3GS PNCS / PNCB 4.3Gi PNCA / PNCM 4.3Gi PNCS / PNCB	 89540	 13431	 71820	 15201	 51330	 51480
4.3GL PLK / PBY 4.3GS PLK / PBY 4.3Gi PLK / PBY	 89540	 13431	 71820	 15201	 51330	 51480
4.3GL PWT / PEF 4.3GLP-A 4.3GS PWT 4.3Gi PWT / PEF	 89540	 13431	 71820	 15201	 51330	 51480
4.3GLP-B / C / D 4.3GL-E	 89540	 13025	 71820	 15201	 51330	 51480
4.3GL-EF	 89540	 13045	 71820	 15201	 51330	 51480
4.3GL-G 4.3GL-GF	 89310	 13025	 71820	 15201	 51330	 51480

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / ENGINE SIDE

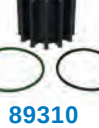
Models	Impeller Kit	Thermostat Kit	Complete Tune-Up Kit	Recirculating Water Pump	Exhaust Elbow	Exhaust Manifold
4.3GL-J	 89310	 13025	 71820	-	 51336	-
4.3GL-JF 4.3GL-J1)	 89310	 13045	 71820	-	 51336	-
4.3GXi-A	 89540	 13431	 71820	 15201	 51330	 51480
4.3GXi-B 4.30Si-B	 89540	 13431	 71890	 15201	 51330	 51480
4.3GXi-BF / CF 4.3GXi-DF / EF 4.30Si-BF / CF 4.30Si-DF / EF	 89540	 13045	 71890	 15201	 51330	 51480
4.3GXi-C / D / E 4.30Si-C / D / E	 89540	 13025	 71890	 15201	 51330	 51480
4.3GXi-F / G 4.30Si-F / G	 89310	 13025	 71890	 15201	 51330	 51480
4.3GXi-FF / GF 4.30Si-FF / GF	 89310	 13045	 71890	 15201	 51330	 51480
4.3GXi-J 4.30Si-J 4.3GXiE-M	 89310	 13025	 71890	-	 51336	-
4.3GXi-JF 4.3GXi-J1) 4.30Si-JF 4.3GXiE-M1)	 89310	 13045	 71890	-	 51336	-

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / ENGINE SIDE						
Models	Impeller Kit	Thermostat Kit	Complete Tune-Up Kit	Recirculating Water Pump	Exhaust Elbow	Exhaust Manifold
500B 501B 570A 572A	 89540	 13381	 71730	 15201	 51510	 51630
5.0GL-A 5.0GL PEF 5.0GL PWT 5.0GL PBY	 89540	 13431	 71730	 15201	 51330	 51430
5.7GL-A 5.7GL PMDA 5.7GL PNCS 5.7GL PLK	 89540	 13431	 71730	 15201	 51330	 51430
5.7GS PLK 5.7GS PBY 5.7GS PWT 5.7GS PEF	 89540	 13431	 71730	 15201	 51330	 51430
5.0GL-B 5.7GL-B	 89540	 13431	 71880	 15201	 51330	 51430
5.0GL-C / D / E 5.7GL-C / D / E	 89540	 13025	 71880	 15201	 51330	 51430
5.0GL-F 5.0GL-G	 89310	 13025	 71880	 15201	 51330	 51430
5.0GL-FF 5.0GL-GF	 89310	 13045	 71880	 15201	 51330	 51430
5.0GL-J	 89310	 13025	 71880	 15201	 51338	 51430
5.0GL-JF 5.0GL-J1)	 89310	 13045	 71880	 15201	 51338	 51430

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / ENGINE SIDE

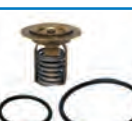
Models	Impeller Kit	Thermostat Kit	Complete Tune-Up Kit	Recirculating Water Pump	Exhaust Elbow	Exhaust Manifold
5.0Gi 5.0Gi PBY 5.0GXi-A 5.7Gi-A 5.7Gi PLK 5.7GLi PLK	 89540	 13431	 71880	 15201	 51330	 51430
5.7Gi PHUS 5.7Gi PMDA 5.7Gi PNCA 5.7Gi PNCB 5.7Gi PNCM 5.7Gi PNCS	 89540	 13431	 71880	 15201	 51330	 51430
5.7GSi PLK 5.7GSi PBY 5.7GSi PWTR 5.7GSi PEFS 5.7GXi-A / B	 89540	 13431	 71880	 15201	 51330	 51430
5.0GXi-B 5.0OSi-B 5.7Gi-B 5.7OSi-A 5.7GXi-C 5.7OSXi-A	 89540	 13431	 71900	 15201	 51330	 51430
5.0GXi-BF 5.0OSi-BF 5.7Gi-BF 5.7OSi-AF 5.7GXi-CF 5.7OSXi-AF	 89540	 13045	 71900	 15201	 51330	 51430
5.0GXi-C / D 5.0OSi-C / D 5.7Gi-C / D 5.7OSi-B / C 5.7GXi-D / E 5.7OSXi-B / C	 89540	 13025	 71900	 15201	 51330	 51430
5.0GXi-CF / DF 5.0OSi-CF / DF 5.7Gi-CF / DF 5.7OSi-BF / CF 5.7GXi-DF / EF 5.7OSXi-BF / CF	 89540	 13045	 71900	 15201	 51330	 51430
5.0GXi-E 5.0OSi-E 5.7Gi-E 5.7OSi-D 5.7GXi-F 5.7OSXi-D	 89540	 13025	 71900	 15201	 51330	 51430
5.0GXi-EF 5.0OSi-EF 5.7Gi-EF 5.7OSi-DF 5.7GXi-FF 5.7OSXi-DF	 89540	 13045	 71900	 15201	 51330	 51430
5.0GXi-F / G 5.0OSi -F / G 5.7Gi-F / G 5.7OSi-E / G 5.7GXi-G / H 5.7OSXi -E / G	 89310	 13025	 71900	 15201	 51330	 51430

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / ENGINE SIDE						
Models	Impeller Kit	Thermostat Kit	Complete Tune-Up Kit	Recirculating Water Pump	Exhaust Elbow	Exhaust Manifold
5.0GXi-FF / GF 5.0OSi-FF / GF 5.7Gi-FF / GF 5.7OSi-EF / GF 5.7OSXi-EF / GF 5.7GXi-GF / HF	 89310	 13045	 71900	 15201	 51330	 51430
5.0GXi-J / N 5.0OSi-J 5.7Gi-J / N 5.7OSi-J 5.7GXi-J / N 5.7OSXi-J	 89310	 13025	 71900	 15201	 51338	 51430
5.0GXi-JF / J ₁ / N ₁ 5.0OSi-JF 5.7Gi-JF / J ₁ / N ₁ 5.7OSi-JF 5.7GXi-JF / J ₁ / N ₁ 5.7OSXi-JF	 89310	 13045	 71900	 15201	 51338	 51430
5.0GXiE-J / K / M / N 5.0SiE-J 5.7GiE-J / K / M / N 5.7OSiE-J 5.7GXiE-J / K / M / N 5.7OSXiE-J	 89310	 13025	 71900	 15201	 51338	 51430
5.0GXiE-JF / KF / MF / N ₁ 5.0SiE-JF 5.7GiE-JF / KF / MF / N ₁ 5.7OSiE-JF 5.7GXiE-JF / KF / MF / N ₁	 89310	 13045	 71900	 15201	 51338	 51430
5.0FLPMDA 5.8FLPMDA	 89610	 13431	 71730	-	 51330	 51490
5.0FLPHU 5.0FLPNCA 5.0FLPNCM 5.0FLPNCS 5.0FLPNCB	 89540	 13431	 71730	-	 51330	 51490
5.8FLPHU 5.8FLPNCA 5.8FLPNCM 5.8FLPNCS 5.8FLPNCB	 89540	 13431	 71730	-	 51330	 51490
5.0FiPMDA 5.0FiPMDM 5.8FiPMDA 5.8FiPMDM	 89610	 13431	-	-	 51334 - stbd 51332 - port	 51490
5.0FiPHU 5.8FiPHU 5.8FSiPHU	 89540	 13431	-	-	 51334 - stbd 51332 - port	 51490

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / ENGINE SIDE

Models	Impeller Kit	Thermostat Kit	Complete Tune-Up Kit	Recirculating Water Pump	Exhaust Elbow	Exhaust Manifold
5.0FiPNCA 5.0FiPNCM 5.8FiPNCA 5.8FiPNCM 5.8FSiPNCA	 89540	 13431	-	-	 51334 - stbd 51332 - port	 51490
5.0FiPNCS 5.0FiPNCB 5.8FiPNCS 5.8FiPNCB 5.8FSiPNCD 5.8FSiPNCS	 89540	 13431	-	-	 51334 - stbd 51332 - port	 51490
740A 740B	-	 13381	 71730	 15301	-	-
7.4GLPMD 8.2GLPMD	 89610	 13028	 71730	 15301	 51330	 51500
7.4GL PHU 7.4GL PLK 7.4GL PNCA 7.4GL PNCB 7.4GL PNCM 7.4GL PNCS	 89540	 13028	 71730	 15301	 51330	 51500
7.4Gi-PHUB / PNCA 7.4Gi-PNBM 7.4GSi-PHUB / XNCM 7.4Gi-PNCS / PNCB 7.4Gi-PLKD / PLKE	 89540	 13028	 71880	 15301	 51330	 51500
7.4GSiXNCB 7.4GiPBY 8.2GSiXNCB DPX385 / DPX415 LK / BY	 89540	 13028	 71880	 15301	 51330	 51500
7.4Gi PWT 7.4Gi PEF	 89540	 13028	 71880	 15301	 51330	 51500
7.4GSi XWT / XEF 8.2GSi XWT / XEF DPX385 XWT / XEF DPX415 XWT / XEF	 89540	 13028	 71880	 15301	 51330	 51500
8.1Gi-A / B 8.1GSi-A 8.1GXi-A DPX375-A / B DPX420-A / B	 89540	 13065	-	 15330	 51330	 51500

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / ENGINE SIDE						
Models	Impeller Kit	Thermostat Kit	Complete Tune-Up Kit	Recirculating Water Pump	Exhaust Elbow	Exhaust Manifold
8.1Gi-BF / CF / DF 8.1Gi- EF / FF 8.1GXi-AF / BF / CF 8.1GXi-DF / EF	 89540	 13045	-	 15330	 51330	 51500
8.1OSi-AF / BF DPX375-BF / CF DPX420-BF / CF	 89540	 13045	-	 15330	 51330	 51500
8.1Gi-C / D / E / F 8.1GXi-B / C / D / E 8.1OSi-A / B	 89540	 13065	-	 15330	 51330	 51500
8.1Gi-G / H / J 8.1GXi-F / G / J 8.1OSi-C / D	 89310	 13065	-	 15330	 51330	 51500
8.1Gi-GF / HF 8.1GXi-FF / GF 8.1OSi-CF / DF	 89310	 13045	-	 15330	 51330	 51500
8.1Gi-E / J / K / M 8.1GXiE-J / K / M 8.10Si-J 8.10SiE-J	 89310	 13065	-	 15330	 51330	 51500
8.1Gi-JF / J ₁) 8.1GiE-JF / KF 8.1GiE-MF / M ₁) 8.1GXi-JF / J ₁)	 89310	 13065	-	 15330	 51330	 51500
8.1GXiE-JF / KF 8.1GXiE- MF / M ₁) 8.10Si-JF 8.10SiE - JF	 89310	 13065	-	 15330	 51330	 51500
DPX500 DPX525 DPX600	 89310	-	-	 15330	-	-

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / DRIVE SIDE							
Models	U-Joint Bellow Kit	Exhaust Bellow Kit	Anode Kit	Setting Pin Kit	Tilt Bushings	Prop Service Kit	Gear Housing Seal Kit
200	 89030	 89020	 12785	 23080	 23090	 23121	 87760 87780
250	 89030	 89020	 12780/12785	 23080	 23090/23130	 23121	 87760 87780
270 270T	 89030	 89020	 12780/12784	 23080	 23090/23091 23130	 23122	 87760 87780
275 275A 285A	 89030	 89020	 12780/12784	 23080	 23090/23130	 23120	 87760 87780
280 280TA 280PT	 89030	 89020	 12896	 23080	 23090/23091 23130	 23120/23122	 87760 87780
280DP	 89030	 89020	 12898	 23080	 23090/23130	-	 87760 87770
290 290A	 89030	 89020	 12897	-	 23092	 23123	 87760 87780
SP-A SP-A1 SP-A2	 89030	 89020	 12897	-	 23092	 23123	 87760 87780
SP-C SP-C1 SP-E	 89030	 89020	 12897	-	 23093	 23124	 87760 87780
290DP	 89030	 89020	 12899	-	 23092	-	 87760 87770

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / DRIVE SIDE							
Models	U-Joint Bellow Kit	Exhaust Bellow Kit	Anode Kit	Setting Pin Kit	Tilt Bushings	Prop Service Kit	Gear Housing Seal Kit
DP-A / A1 / A2 DP-B / B1	 89030	 89020	 12899	-	 23092	-	 87760  87770
DP-C / C1 DP-D / D1 DP-E	 89030	 89020	 12899	-	 23093	-	 87760  87770
DP-G	 89030	-	 12899	-	 23093	-	-
DPX-S DPX-S1 DPX-R	 89030	 89020	-	-	-	-	 87760 -
DPX-A	-	 89020	-	-	-	-	-
DPH-A / B	-	-	 12933	-	-	-	-
DPR-A/B	-	-	 12948	-	-	-	-
SX-S	 89200	 89190	 12921	-	-	-	 87740
SX-C SX-R SX-M	 89200	 89190	 12921	-	-	-	 87740/87750
DP-S	 89200	 89190	 12921	-	-	-	 87740

Volvo Penta

VOLVO PENTA - QUICK REFERENCE / DRIVE SIDE							
Models	U-Joint Bellow Kit	Exhaust Bellow Kit	Anode Kit	Setting Pin Kit	Tilt Bushings	Prop Service Kit	Gear Housing Seal Kit
DP-SM	 89200	 89190	 12921	-	-	-	 87740
SX-A	 89200	-	 12938	-	-	-	-
DPS-A / B DPS-A OXi DPS-B OXi	 89200	-	 12938	-	-	-	-
XDP	-	-	 12941	-	-	-	-

[illegible]

Limited Warranty of GLM Products, Inc.

1. This product of GLM Products, Inc. ("GLM") is warranted to be free from defects in material and workmanship for a period of two years from the date of purchase for aluminum elbow/manifold and all other GLM parts and accessories, three years from the date of purchase for cast iron elbow/manifold. Products used for commercial, rental, or income producing activity are warranted for a period of ninety (90) days. Only a person who has proof of purchase of the GLM product will receive warranty service.
2. GLM does not warrant or make any representations in respect to installation errors made by a servicing dealer, servicing mechanic, or the individual. This warranty applies to defects in material and workmanship only, it does not apply to the following: alteration, removal of parts, adjustments, tune-ups, normal wear, damages due to accident, improper installation or service, misuse, neglect, lack of maintenance, use of any accessory or part not manufactured or sold by GLM, operation with fuels, oils, or lubricants which are not suitable for use with the product, water entering engine cylinder through exhaust system or carburetor, participation in or preparing for racing or other competitive activity or operating with a racing type lower unit. GLM's liability under this warranty shall be terminated on any part damaged by flood, fire, storm, or other natural acts or where the model number and other identification has been altered, defaced or removed.
3. GLM will not be liable for any labor charges and incidental, consequential (such as loss of business), special or indirect damages resulting from the product or caused by the defect or reasonable delay in correcting the defect are not covered under the warranty.
4. GLM reserves the right to inspect and determine whether or not any part has failed due to a defect in material or workmanship. **Do not disassemble any parts including drive units that have been assembled by GLM. GLM's obligation shall be limited to repairing, replacing or crediting the product determined to be defective, at GLM's sole discretion:** GLM reserves the right to credit refund your purchase price for the product rather than repair or replace the product, or any part thereof. Any part is covered only for the original warranty period. Once the warranty on the product has expired, the warranty on any replaced or repaired part also expires. GLM shall be allowed to keep parts it deems defective under this warranty.
5. **ALL WARRANTIES BY AND FROM GLM, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY FOR THE PRODUCT INVOLVED. GLM DOES NOT WARRANT, GUARANTEE OR MAKE ANY REPRESENTATIONS REGARDING THE USE OR THE RESULTS OF THE USE OF THE PRODUCT IN TERMS OF ITS CORRECTNESS, RELIABILITY OR OTHERWISE. THE ENTIRE RISK AS TO THE RESULT AND PERFORMANCE OF THE PRODUCT IS ASSUMED BY YOU. IN NO EVENT WILL GLM, OR ITS RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES OR AGENTS (COLLECTIVELY, "GLM") BE LIABLE TO YOU FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES (INCLUDING DAMAGES FOR LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION AND THE LIKE) ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT.** GLM's liability to you for actual damages from any cause whatsoever, and regardless of the form of the action (whether in contract, tort (including negligence), product liability or otherwise), will be limited to the purchase price paid for the product. No GLM dealer, agent or employee is authorized to make any modification or extension to this warranty. Because some states do not allow the exclusion of implied warranties and/or the exclusion or limitation of liability for consequential or incidental damages, the above limitations may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.
6. You are required to notify GLM of any defect within the applicable warranty period and immediately obtain from GLM or its distributor a warranty application and a GLM RGA number. Upon GLM's receipt of the completed warranty application and part claimed under this warranty (with the GLM RGA number marked on the shipping and packaging of the part), GLM will inspect the part for warranty coverage. Only when the defect is covered by the warranty will the part be repaired or replaced, at GLM's sole option. If warranty service is required, you must deliver your product, at your expense, with proof-of-purchase (including original purchase invoice and invoice for installation of warranted part) to GLM for repair. Service is provided by GLM at its corporate headquarters at 705 Los Angeles Avenue, Monrovia, California 91016, Tel: (626) 357-0077, Fax: (626) 357-0600. When repair is completed, GLM will ship back to its indicated address. Shipping methods will be determined by GLM.
7. This warranty comprises the sole and entire warranty pertaining to the product furnished to you by GLM, and GLM makes no other warranty, guarantee or representation of any kind whatsoever pertaining to the product. Any other representations, or promises by any person are unauthorized and are not binding upon GLM unless in writing.

Warranty Service Procedure

1. GLM will directly and promptly approve and honor legitimate warranty claims on product only under the condition that the claim is made through a servicing Dealer. ****Do not disassemble any parts including drive units that have been assembled by GLM.****
2. GLM will credit or reimburse the Dealer for qualified warranty claims submitted that comply to GLM identified warranty policies.

ANY CLAIM UNDER GLM'S WARRANTY (Please see Limited Warranty of GLM Products) SHALL BE IN WRITING TO GLM PRODUCTS, INC. WITHIN THE WARRANTY PERIOD. TO ASSURE FAST AND EFFICIENT SERVICE PLEASE SHIP ALL WARRANTY PART(S) AND DOCUMENTATION DIRECTLY TO GLM. ALL WARRANTY CLAIM PRODUCTS MUST BE SHIPPED FREIGHT PREPAID TO GLM FOR WARRANTY INSPECTION. (FREIGHT CHARGES WILL BE REIMBURSED ONLY UPON APPROVAL ON WARRANTY)

1. All returns must have a GLM "RGA #" assigned (contact GLM directly for the "Return Goods Authorization #"). It is imperative to indicate this number on outside of all boxes and included on all submitted documentation. No returns will be accepted without an RGA #.
2. All returns must accompany a copy of the completed warranty application. (Application is available at www.glmmarine.com, in the back of each GLM's catalog or through your GLM distributor.)
3. **ALL** parts involved in the claim.
4. Copy of invoices as follows:
 - Original purchase invoice from distributor.
 - Original invoice for installation of warranted parts.
 - Proposed invoice/ work-order to GLM, if any, for warranty claim.NOTE: GLM complies with OEM standard flat hours and rates.
Copies of all invoices for items in above proposed invoice.

Send parcel(s) to:

**GLM Products, Inc. - Warranty
705 Los Angeles Avenue
Monrovia, CA 91016
RGA#**



GLM Products, Inc.

Warranty Claim Application

Note: Please fill out all information and send all requested material. Failure to complete this form and supply all requested material will delay your claim. Do not disassemble units that were assembled by GLM. Other applications that used only GLM parts should have just the parts returned to GLM not the complete unit.

RGA # _____

Date Called: _____

Caller Name: _____

Company Name: _____

Contact GLM at 626/357-0077 for a Returned Goods Authorization #. All returned goods **must** have an RGA # marked on package (s) or they will be refused. No exceptions. **Ship to: GLM Products, Inc.**
705 Los Angeles Avenue
Monrovia, CA 91016

Distributor Information:

Company: _____ Contact: _____ City: _____ State: _____

Dealer Information:

Company: _____ Address: _____ City: _____

State: _____ Zip: _____ Tel: _____ Fax: _____ Contact: _____

Dealer Customer Information:

Name: _____ Address: _____ City: _____

State: _____ Zip: _____ Tel: _____ Fax: _____

Application Details:

Manufacturer: _____ Model: _____ Year: _____

Length: _____ Beam: _____ Engine / Drive: _____ Horse Power: _____

List any modifications to boat or drive system that were not installed by the original manufacturer:

Details of Return: Please list all item (s) being returned and describe detailed reason for warranty claim.

If you need more space for this description please continue on a blank sheet of paper.

Documentation and other items required to process warranty: Please make sure that all items listed are sent with this application. Failure to do so will delay processing this claim.

1. All parts claimed and listed on this application. This is all parts being claimed regardless of manufacturer.
2. Copy of invoices as follows:
 - A. Original purchase invoice from Distributor.
 - B. Proposed invoice to GLM from the Dealer for repairs.
 - C. Invoice for installation of warranted parts.
 - D. Invoices for any other items being claimed

Note: GLM reserves the right to credit the Dealer, via the Distributor, for all GLM products involved in this claim.

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OMC

Volvo Penta

Barr/Indmar/Marine Power

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-  **Mercury/Mariner/Force**
-  **Yamaha**

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Manifold Catalog