



Quality Replacement Parts for  
**OMC/Volvo Penta**



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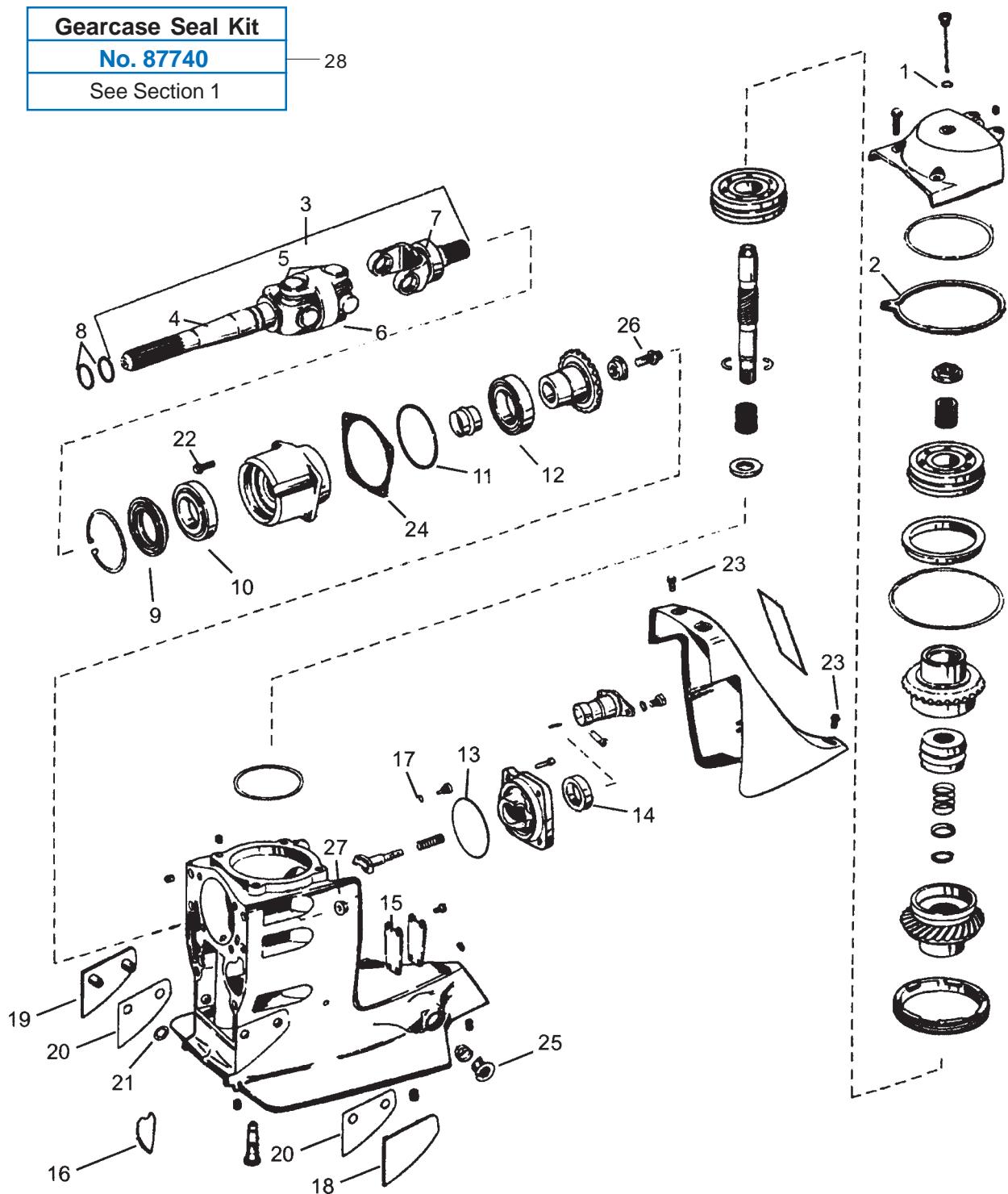
# Section 1

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# Cobra SX

## UPPER GEAR HOUSING COMPONENTS (1994 & Up)



# Cobra SX

## **UPPER GEAR HOUSING COMPONENTS (1994 & Up)**

GLM No.	Ref No.	OEM No.	Description
81100	1	3852045	O-ring
35520	2	3852317	Gasket
28318	3	3852384	U-Joint Assy. (Internal Lock-ring Style)
28328	3	3860842	U-Joint Assy. (External Lock-ring Style)
28315	4	3850815	Yoke - Long (Internal Lock-ring Style)
28316	4	N/A	Yoke - Long (External Lock-ring Style)
28030	5	3850812	U-Joint (Internal Lock-ring Style)
28040	5	3960232	U-Joint (External Lock-ring Style)
28100	6	3850813	Socket (Internal Lock-ring Style)
28110	6	N/A	Socket (External Lock-ring Style)
28317	7	3850814	Yoke (Internal Lock-ring Style)
28323	7	N/A	Yoke (External Lock-ring Style)
81180	8	3852565	O-ring
87100	9	3852272	Oil Seal
21583	10	3850853	Bearing
82370	11	3852308	O-ring
21582	12	3850852	Bearing
82320	13	925093	O-ring
87110	14	853858	Oil Seal
35550	15	3852279	Gasket
86300	16	3852560	Seal
31171	17	3855081	Gasket
12661	18	3852561	Thrust Plate
12662	19	3852562	Thrust Plate
23360	20	3852563	Shim
21773	21	910953	Retaining Ring
22384	22	3852454	Screw
22386	23	3852568	Screw
23361	24	911678	Shim
23362	24	911679	Shim
23363	24	911680	Shim
23364	24	911681	Shim
23094	25	3853423	Bushing
22299	26	3852309	Screw
21180	27	3852005	Locknut
28410	27	11-859135	Locknut, Flanged
87740	28	3850594	Seal Kit

# Cobra SX

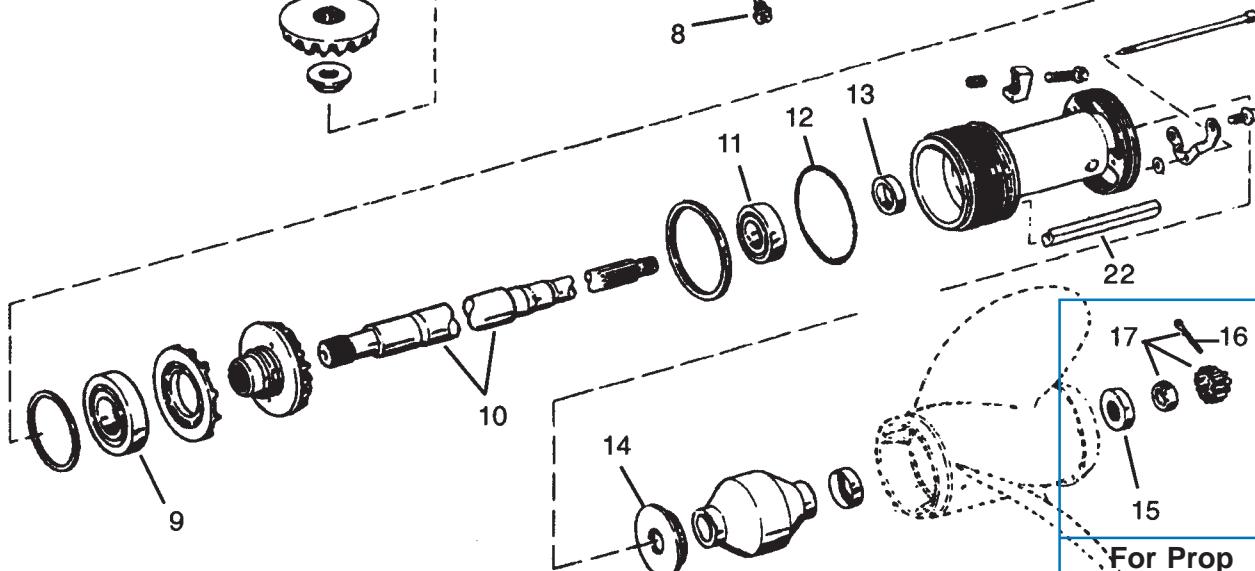
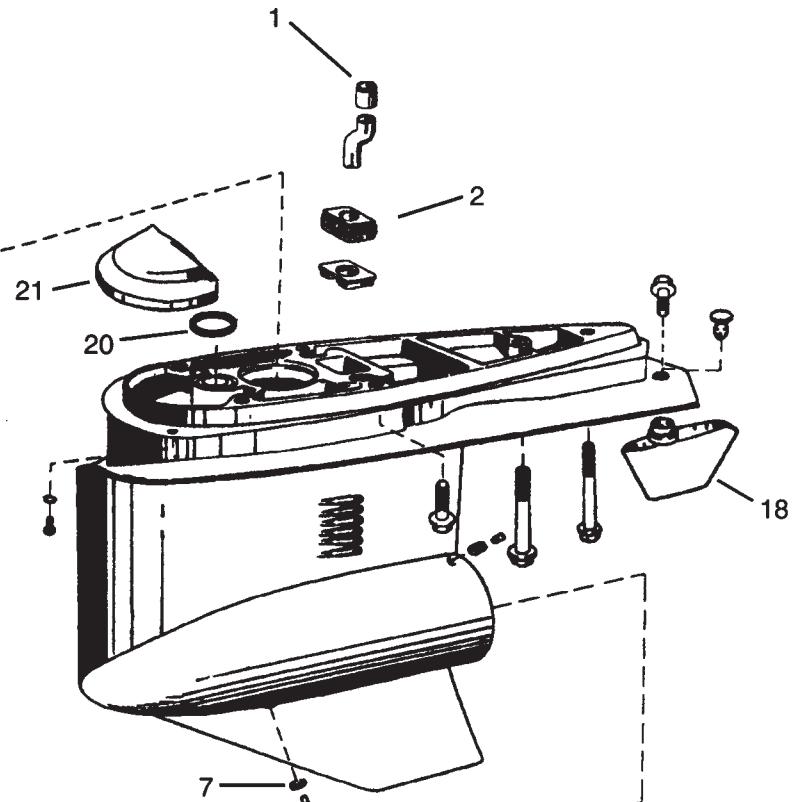
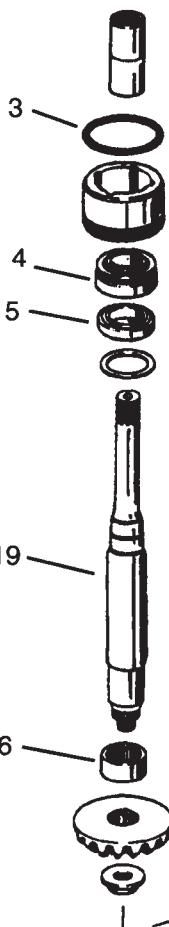
## LOWER GEAR HOUSING COMPONENTS (1994 & Up)

### Gearcase Seal Kit

No. 87750

See Section 1

23



For Prop  
Hardware Kits  
See Section 11

# Cobra SX

## **LOWER GEAR HOUSING COMPONENTS (1994 & Up)**

# Cobra SX

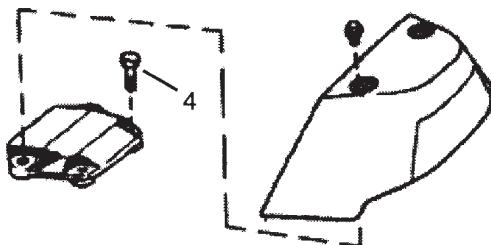
## TRANSOM ASSEMBLY (1994 & Up)

Transom Service Kit

No. 21963

See Section 1

18

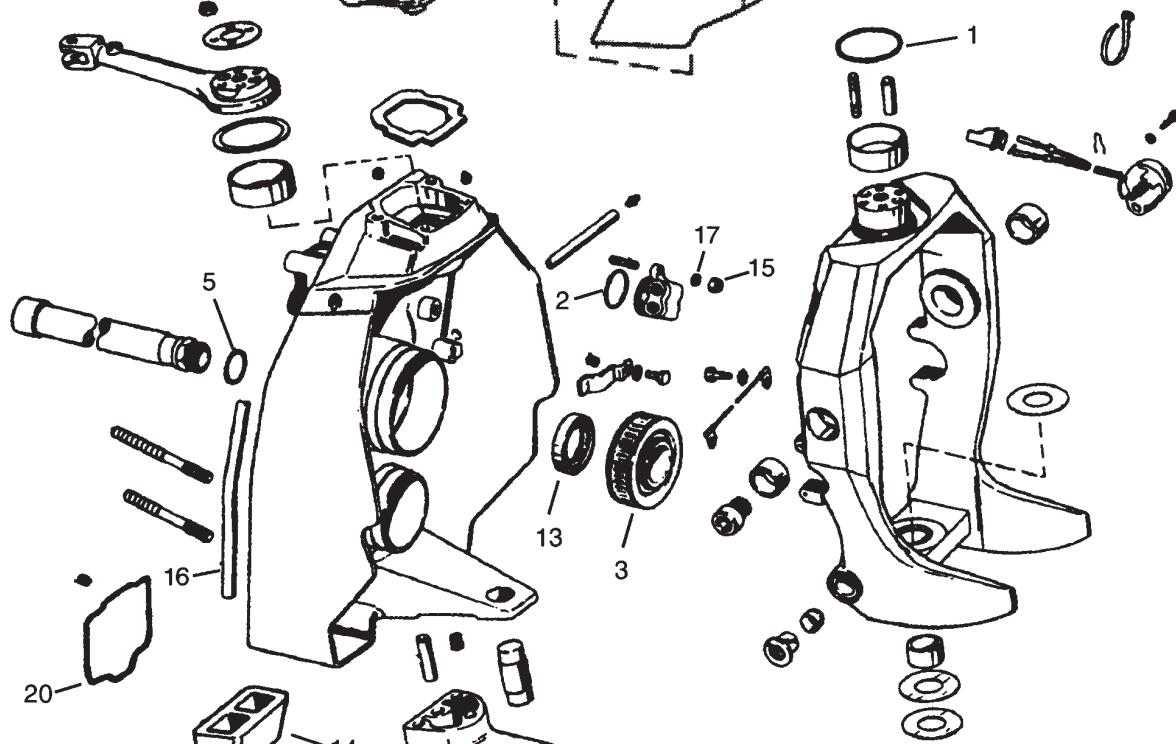


Trailer Clips

No. 90072

See Section 1

21



Outdrive Mounting Kit

No. 39631

See Section 1

19

# Cobra SX

## **TRANSOM ASSEMBLY (1994 & Up)**

# Cobra SX

## No. 21963

TRANSOM SERVICE KIT  
OEM: N/A

Kit contents:

GLM	OEM	ITEM
89200	3854127	U-Joint Bellow
89190	3850426	Exhaust Bellow
01090	3852604	Hose Clamp
01070	3852603	Hose Clamp
21906	3853807	Gimbal Bearing
39631	N/A	Outdrive Mounting Kit



Cobra SX (1994 & Up)

## No. 21906

GIMBAL BEARING  
OEM: 3853807

GLM Built  
in U.S.A.



Cobra SX (1994 & Up)

## No. 89200

U-JOINT BELLOW  
OEM: 3854127



Cobra SX (1994 & Up)

## No. 39631

OUTDRIVE MOUNTING KIT  
OEM: N/A

Kit contents:

GLM	OEM	ITEM
86300	3852560	Seal
81180(2)	911851	O-ring



For All "Clone Clutch"  
Cobra SX (1994 & Up)

## No. 89190

EXHAUST BELLOW  
OEM: 3850426



Cobra SX (1994 & Up)

## No. 12661

THRUST PLATE - PORT  
OEM: 3852561



## No. 12662

THRUST PLATE - STBD  
OEM: 3852562



Cobra SX (1994 & Up)

## No. 23360

SHIM  
OEM: 3852563



## No. 21773

RETAINER RING  
OEM: 910953



Cobra SX (1994 & Up)

## No. 86690

TRANSOM MOUNT SEAL  
OEM: 3852550



Cobra SX (1994 & Up)

## No. 90072

TRAILER CLIPS  
OEM: 3847547



Cobra SX (1994 & Up)

# Cobra SX

## DRIVE SHAFT HOUSING UNIVERSAL JOINT ASSEMBLY

### No. 28318

U-JOINT ASSY  
OEM: 3852384, 3860842

Internal  
Lock  
Ring

100% Hot Forged



Includes:  
No. 22299  
SCREW  
OEM: 3852309

Cobra SX (1994 & Up)

### No. 28328

U-JOINT ASSY  
OEM: 3860842

External  
Lock  
Ring

100% Hot Forged



Includes:  
No. 22299  
SCREW  
OEM: 3852309

Cobra SX (1994 & Up)

## DRIVE SHAFT HOUSING U-JOINTS

### No. 28030

U-JOINT  
OEM: 3850812

Internal  
Lock  
Ring



Heavy Duty

Cobra SX (1994 & Up)

### No. 28040

U-JOINT  
OEM: 3860232

External  
Lock  
Ring



Cobra SX (1994 & Up)

## DRIVE SHAFT HOUSING YOKES & SOCKET

### No. 28315

YOKE (LONG)  
OEM: 912212

Internal  
Lock  
Ring



### No. 28100

SOCKET  
OEM: 912213

Internal  
Lock  
Ring



### No. 28317

YOKE  
OEM: 3850814

Internal  
Lock  
Ring



### No. 81180

O-RING - DRIVE SHAFT YOKE  
OEM: 3852565



### No. 28316

YOKE (LONG)  
OEM: N/A

External  
Lock  
Ring



### No. 28110

SOCKET  
OEM: N/A

External  
Lock  
Ring



### No. 28323

YOKE  
OEM: N/A

External  
Lock  
Ring



### No. 22299

SCREW  
OEM: 3852309

Included in  
No. 28318  
No. 28328  
No. 28317



# Cobra SX

**No. 87740**

GEAR HOUSING SEAL KIT  
OEM: 3850594



Cobra SX (1994 & Up)

**No. 87750**

GEAR HOUSING SEAL KIT  
OEM: 3855275



Cobra SX (1994 & Up)

**No. 87100**

OIL SEAL -  
BEARING CARRIER  
OEM: 3852272



**No. 82370**

O-RING -  
BEARING CARRIER  
OEM: 3852308



**No. 21582**

BEARING -  
BEARING CARRIER  
OEM: 3850852



**No. 21583**

BEARING -  
BEARING CARRIER  
OEM: 3850853



**No. 81100**

O-RING - DIP STICK  
OEM: 3852045



**No. 35520**

GASKET - TOP COVER  
OEM: 3852317



**No. 31171**

GASKET - DRAIN PLUG  
OEM: 3855081



**No. 45080**

O-RING - SHIFT LEVER HOUSING  
OEM: 925093



**No. 87110**

OIL SEAL - SHIFT LEVER  
OEM: 853858



**No. 35550**

GASKET - WATER PASSAGE  
OEM: 3852279



# Cobra SX

## LOWER GEAR HOUSING - DRIVE SHAFT (VERTICAL)

**No. 21512**  
TAPERED ROLLER BEARING-UPPER  
OEM: 3854250



**No. 21581**  
TAPERED ROLLER BEARING-LOWER  
OEM: 3854249

**No. 83340**  
O-RING  
OEM: 3852866

**No. 11170**  
DRIVE SHAFT  
OEM: 3851342

**No. 21611**  
PINION BEARING  
OEM: 3853934

Cobra SX (1994 & Up)

## LOWER GEARCASE - PROP SHAFT

**No. 85900**  
OIL SEAL - PROP SHAFT  
OEM: 3858303



**No. 21581**  
TAPERED ROLLER  
BEARING - REAR  
OEM: 3854249



**No. 11154**  
PROP SHAFT  
OEM: 3857675



**No. 21586**  
TAPERED ROLLER  
BEARING - FRONT  
OEM: 3850942



**No. 82420**  
O-RING  
OEM: 3852865

Cobra SX (1994 & Up)

# Cobra SX

## LOWER GEAR HOUSING

**No. 86482**

GROMMET - WATER TUBE UPPER  
OEM: 3852315



**No. 86653**

SEAL - WATER TUBE LOWER  
OEM: 3854595



**No. 83240**

O-RING - GEAR OIL PASSAGE  
OEM: 3852959



**No. 23111**

TRIM TAB  
OEM: 3854402



**No. 21885**

SCREEN (2)  
OEM: 337778



**No. 21731**

SCREW SET  
OEM: 318544



**No. 22363**

SCREW (2)  
OEM: 337061



**No. 31171**

GASKET  
OEM: 311598



## **Section 2**

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### **OMC Cobra Replacement Sterndrives 1986-1993**

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# Cobra

## STERNDRIVE UNIT APPLICATION (1986-1993)

Year	Model	Ratio	Upper Housing	Upper Complete	Lower Housing	Lower Complete
1987-1989	2.3L	21:21	<b>29900</b>	-	-	-
1986	2.5L	21:18	<b>29900</b>	-	-	-
1986-1989	3.0L	21:18	<b>29900</b>	-	-	-
1989	3.0L	21:18	<b>29900</b>	-	-	-
1989	3.0L High Alt	21:19	<b>29900</b>	<b>29940</b>	-	-
1990-1993	3.0L All	21:21	<b>29900</b>	-	-	-
1986-1987	4.3L All	21:19	<b>29900</b>	<b>29940</b>	-	-
1988-1993	4.3L	21:19	<b>29900</b>	<b>29940</b>	-	-
1988-1993	4.3L High Alt	21:21	<b>29900</b>	-	-	-
1986-1988	5.0L	21:17	<b>29900</b>	-	-	-
1988	5.0L High Alt	21:18	<b>29900</b>	-	-	-
1989-1993	5.0L	21:18	<b>29900</b>	-	-	-
1989-1993	5.0L High Alt	21:19	<b>29900</b>	<b>29940</b>	-	-
1986-1988	5.7L	21:16	<b>29900</b>	-	-	-
1986-1988	5.7L High Alt	21:18	<b>29900</b>	-	-	-
1989-1992	5.7L	21:16	<b>29900</b>	-	-	-
1989-1992	5.7L High Alt	21:17	<b>29900</b>	-	-	-
1988	350 King	21:16	<b>29900</b>	-	-	-
1988	350 King High Alt	21:18	<b>29900</b>	-	-	-
1989	5.8L	21:16	<b>29900</b>	-	-	-
1989	5.8L High Alt	21:17	<b>29900</b>	-	-	-
1990	5.8L	21:18	<b>29900</b>	-	-	-
1990	5.8L High Alt	21:16	<b>29900</b>	-	-	-
1991-1993	5.8L	21:16	<b>29900</b>	-	-	-
1991-1993	5.8L High Alt	21:17	<b>29900</b>	-	-	-
1993	5.8L EFI	21:17	<b>29900</b>	-	-	-
1987-1989	7.5L 460 King	21:17	<b>29900</b>	-	-	-
1987-1989	460 King High Alt	21:18	<b>29900</b>	-	-	N/A



# Cobra

## COMPLETE UPPER GEAR HOUSING ASSEMBLY (1986-1993)

**No. 29940**

OEM: 986380

Ratio: 21:19

*For more info  
see Section 3*

**100% New**  
with Water Pump



LIMITED TO STOCK ON HAND



# Section 3

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## OMC Cobra Upper Gear Housing Parts 1986-1993

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# Cobra

## UPPER GEAR HOUSING COMPLETE (1986-1993)



100% New  
with water pump



Engine	Teeth on Original Gears	GLM No.	OEM No.
4-Cylinder, 2.3L (1987-1989)	21T/21T	-	987064
4-Cylinder, 2.5L (1986)	21T/18T	-	983826
4-Cylinder, 3.0L (1986-1989)	21T/18T	-	983826
4-Cylinder, 3.0L (1990-1993)	21T/21T	-	987064
V6, 4.3L, 262 CID	21T/19T	<b>29940</b>	985380
V8 Ford, 5.0L, 302 CID	21T/18T	-	986382
V8 Chevy, 5.0L, 305 CID	21T/17T	-	986844
V8 Ford EFI, 5.8L, 351 CID	21T/17T	-	986844
V8 Chevy, 5.7L, 350 CID	21T/16T	-	986381
V8 Ford, 5.8L, 351 CID	21T/16T	-	986381
V8 Ford, 7.5L, 460 CID (1987-1989)	21T/17T	-	988844

LIMITED TO STOCK ON HAND



# Cobra

## UPPER GEAR HOUSING

No. 29900

OEM: 984518

**1986-1993 OMC Cobra Empty Gear Housing  
Ready for Your Components**

**Don't scrap a boat because of a corroded upper gear housing!  
Replace it with a NEW housing from GLM.**

**Sand Cast from superior A356T5 Aluminum Alloy  
(Original is Die Cast from inferior A380T6)**



The GLM #29900 will fit on all 1986-1993 OMC Cobra sterndrives.  
It will accept the original internal and external OMC components.

LIMITED TO STOCK ON HAND

# Cobra

## COMPLETE UPPER GEAR HOUSING ASSEMBLY KIT

### No. 29919

OEM: N/A  
Ratio: 21:16

### No. 29929

OEM: N/A  
Ratio: 21:18

### No. 29939

OEM: N/A  
Ratio: 21:17

### No. 29949

OEM: N/A  
Ratio: 21:19



LIMITED TO STOCK ON HAND

## UPPER GEAR HOUSING REBUILD KIT (1986-1993)

### No. 29911

OEM: N/A  
Ratio: 21:16

### No. 29921

OEM: N/A  
Ratio: 21:18

### No. 29931

OEM: N/A  
Ratio: 21:17

### No. 29941

OEM: N/A  
Ratio: 21:19



# Cobra

## UPPER GEAR HOUSING SEAL KIT

No. 87654

OEM: 987603



For All Cobra Models  
(1986-1993)

## UPPER GEAR HOUSING KITS APPLICATION CHART (1986-1993)

Engine	Teeth on Original Gears	Upper Assembly Kit	Upper Rebuild Kit	Upper Seal Kit
4-Cylinder, 2.3L (1987-1989)	21T/21T	-	-	87654
4-Cylinder, 2.5L (1986)	21T/18T	29929	29921	87654
4-Cylinder, 3.0L (1986-1989)	21T/18T	29929	29921	87654
4-Cylinder, 3.0L (1990-1993)	21T/21T	-	-	87654
V6, 4.3L, 262 CID	21T/19T	29949	29941	87654
V8 Ford, 5.0L, 302 CID	21T/18T	29929	29921	87654
V8 Chevy, 5.0L, 305 CID	21T/17T	29939	29931	87654
V8 Ford EFI, 5.8L, 351 CID	21T/17T	29939	29931	87654
V8 Chevy, 5.7L, 350 CID	21T/16T	29919	29911	87654
V8 Ford, 5.8L, 351 CID	21T/16T	29919	29911	87654
V8 Ford, 7.5L, 460 CID (1987-1989)	21T/17T	29939	29931	87654

# Cobra

## UPPER GEAR SET ASSEMBLY KITS (1986-1993)

**No. 22522**

OEM: 983917

Ratio 21:16

5.7L 350 Chevy V8  
5.8L 351 Ford V8



**No. 22532**

OEM: 983919

Ratio 21:17

5.0L 305 Chevy V8  
5.8L 351 Ford V8 EFI  
7.5L 460 Ford V8

**No. 22562**

OEM: 983918

Ratio 21:18

4-Cylinder 1986 2.5L  
4-Cylinder 1986-1989 3.0L  
5.0L 302 Ford V8



**No. 22542**

OEM: 984013

Ratio 21:19

4.3L 262 Chevy V6

# Cobra

## UPPER GEAR SETS (1986-1993)

### No. 22520

OEM: 983825

Ratio 21:16

5.7L 350 Chevy V8

5.8L 351 Ford V8

#### Comes With:

GLM	OEM	Item
21540	983891	Bearing
21541	983892	Bearing
21542	983877	Bearing
21543	983878	Bearing



### No. 22560

OEM: 983826

Ratio 21:18

4-Cylinder 1986 2.5L

4-Cylinder 1986-1989 3.0L

5.0L 302 Ford V8

#### Comes With:

GLM	OEM	Item
21540	983891	Bearing
21541	983892	Bearing
21542	983877	Bearing
21543	983878	Bearing



### No. 22540

OEM: 984012

Ratio 21:19

4.3L 262 Chevy V6

#### Comes With:

GLM	OEM	Item
21540	983891	Bearing
21541	983892	Bearing
21542	983877	Bearing
21543	983878	Bearing



### No. 22544

OEM: 983835

Ratio 21:17

5.0L 305 Chevy V8

5.8L 351 Ford V8 EFI

7.5L 460 Ford V8

#### Comes With:

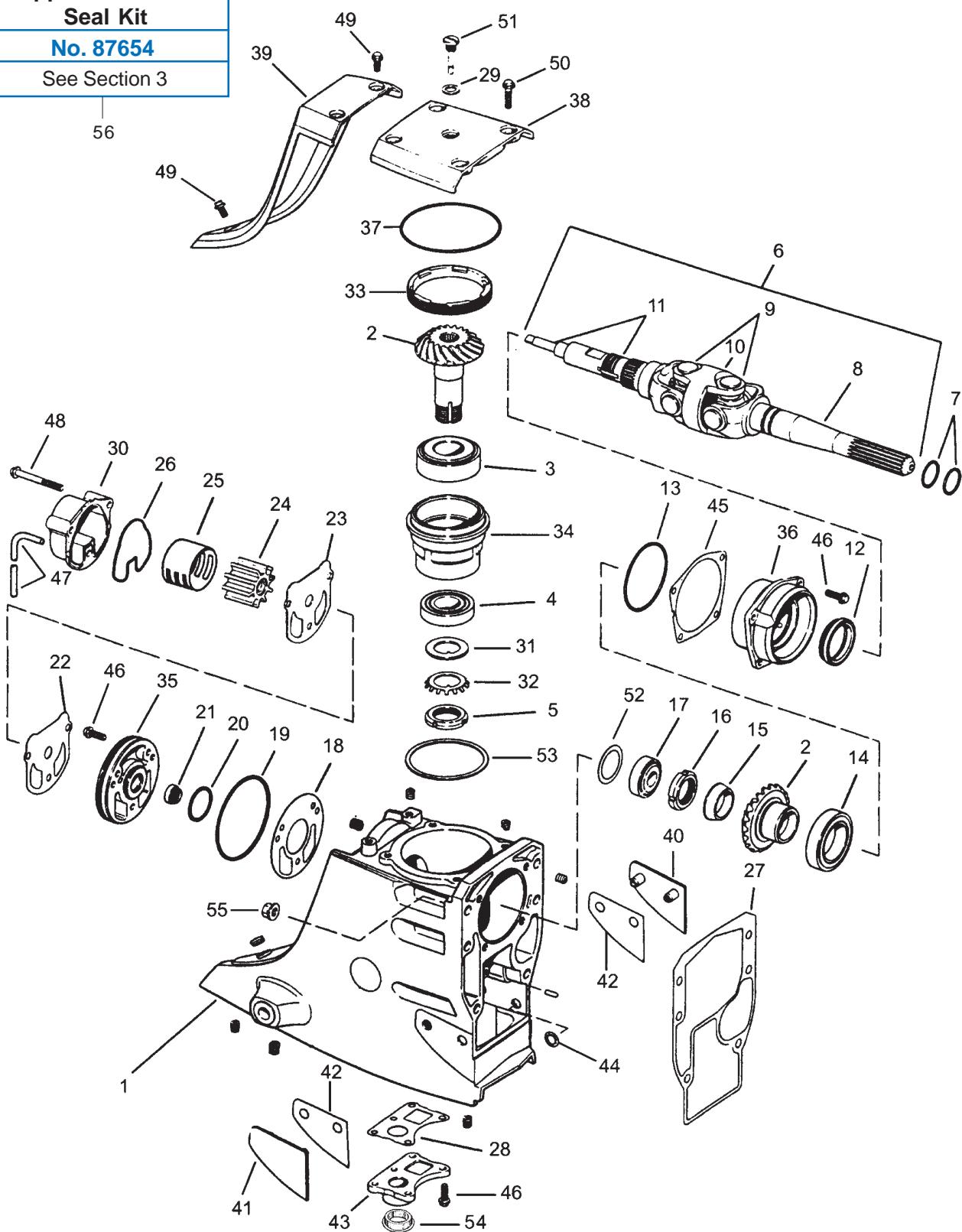
GLM	OEM	Item
21540	983891	Bearing
21541	983892	Bearing
21542	983877	Bearing
21543	983878	Bearing



# Cobra

## UPPER GEAR HOUSING COMPONENTS (1986-1993)

<b>Upper Gearcase Seal Kit</b>
<b>No. 87654</b>
See Section 3



# Cobra

## UPPER GEAR HOUSING COMPONENTS (1986-1993)

GLM No.	Ref No.	OEM No.	Description	GLM No.	Ref No.	OEM No.	Description
29900	1	984518	Upper Gearcase Assembly	22384	46	3852454	Screw
22520	2	983825	Gear Set (21:16 Ratio)	47010	47	912614	Vent Hose
22560	2	983826	Gear Set (21:18 Ratio)	22385	48	912238	Screw
22540	2	984012	Gear Set (21:19 Ratio)	22386	49	3852568	Screw
22544	2	983835	Gear Set (21:17 Ratio)	22387	50	123018	Screw
21540	3	983891	Bearing	21732	51	914488	Dipstick
21541	4	983892	Bearing	23371	52	911662	Shim 0.003"
28460	5	911753	Pinion Nut	23372	52	911663	Shim 0.005"
28325	6	98388	U-Joint & Water Pump Shaft	23373	52	911664	Shim 0.007"
81180	7	3852565	O-ring	23374	52	911665	Shim 0.010"
28315	8	912212	Yoke - Drive Shaft	23375	52	911666	Shim 0.012"
28030	9	915717	Universal Joint	23376	52	911667	Shim 0.015"
28100	10	912213	Socket	23381	53	911668	Shim 0.010"
28320	11	984264	Yoke & Water Pump Shaft	23382	53	-	Shim 0.001"
86530	12	911685	Oil Seal	23383	53	-	Shim 0.003"
82380	13	911686	O-ring	86620	54	911705	Seal
21542	14	983877	Bearing	21170	55	-	Locknut - (use with 28420)
22525	15	912029	Centering Cone	28420	55	-	Washer - (use with 21170)
28470	16	911937	U-Joint Nut	28410	55	-	Locknut - Flanged (no washer needed)
21543	17	983878	Bearing	87654	56	987603	Seal Kit
34771	18	911698	Gasket				
82430	19	911700	O-ring				
81280	20	909316	O-ring				
86610	21	916058	Oil Seal				
34770	22	911702	Gasket				
12760	23	911703	Wear Plate				
89950	24	983895	Impeller				
12391	25	911844	Water Pump Liner				
86630	26	911704	Seal				
34730	27	915840	Gasket				
33910	28	911733	Gasket				
81100	29	303067	O-ring				
12405	30	984744	Pump Housing				
21676	31	911697	Washer				
23202	32	911752	Retainer				
21111	33	911751	Cover Nut				
27800	34	911750	Bearing Carrier				
27900	35	911699	Water Pump Adapter				
27920	36	911683	Bearing Carrier				
82480	37	313175	O-ring				
28404	38	914489	Cover Assembly				
28406	39	983967	Cover Assembly				
12661	40	3852561	Thrust Plate				
12662	41	3582562	Thrust Plate				
23360	42	3852563	Shim				
28408	43	911734	Cover Assembly				
21773	44	910953	Retainer Ring				
23361	45	911678	Shim 0.003"				
23362	45	911679	Shim 0.004"				
23363	45	911680	Shim 0.005"				
23364	45	911681	Shim 0.010"				

# Cobra

## UPPER GEAR HOUSING COMPONENTS (1986-1993)

### No. 2111

NUT - LOWER BEARING CARRIER  
OEM: 911751



### No. 21540

UPPER BEARING  
OEM: 983891



### No. 27800

LOWER BEARING CARRIER  
OEM: 911750



SHIM - LOWER BEARING CARRIER

### No. 23381

SHIM 0.010"  
OEM: 911668



### No. 23382

SHIM 0.001"  
OEM: N/A

### No. 23383

SHIM 0.003"  
OEM: N/A

### No. 21541

LOWER BEARING  
OEM: 983892



### No. 21676

WASHER - DRIVEN GEAR  
OEM: 911697



### No. 23202

RETAINER - DRIVEN GEAR PINION NUT  
OEM: 911752



### No. 28460

PINION NUT - DRIVEN GEAR  
OEM: 911753



# Cobra

## UPPER GEAR HOUSING COMPONENTS (1986-1993)

**No. 23371**

SHIM 0.003"

OEM: 911662

**No. 23372**

SHIM 0.005"

OEM: 911663

**No. 23373**

SHIM 0.007"

OEM: 911664

**No. 23374**

SHIM 0.010"

OEM: 911665

**No. 23375**

SHIM 0.012"

OEM: 911666

**No. 23376**

SHIM 0.015"

OEM: 911667

**No. 21543**

BEARING

OEM: 983878



Rear Shim

**No. 21542**

BEARING

OEM: 983877

**No. 82380**

O-RING - CARRIER

OEM: 911686

**No. 27920**

FRONT BEARING CARRIER

OEM: 911683

**No. 22384**

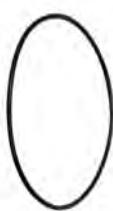
SCREW-CARRIER

OEM: 3852454

**No. 86530**

OIL SEAL - CARRIER

OEM: 911685



**No. 28470**

U-JOINT NUT -  
DRIVE GEAR

OEM: 911937

**No. 22525**

CENTERING CONE -  
DRIVE GEAR

OEM: 212029

### SHIMS

BEARING CARRIER

**No. 23361** **No. 23363**

SHIM 0.003"

OEM: 911678

**No. 23362**

SHIM 0.004"

OEM: 911679

SHIM 0.005"

OEM: 911680

**No. 23364**

SHIM 0.010"

OEM: 911681

### SHIM KIT

BEARING CARRIER

**No. 23365**

OEM: N/A

Kit Includes:

No. 23361

No. 23362

No. 23363

No. 23364



**No. 27900**

WATER PUMP  
ADAPTER

OEM: 911699

**No. 86610**

OIL SEAL

OEM: 916058

**No. 81280**

O-RING

OEM: 909316

**No. 82430**

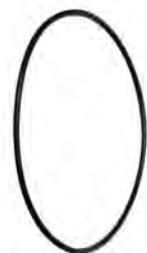
O-RING

OEM: 911700

**No. 34771**

GASKET

OEM: 911698



# Cobra

## UPPER GEAR HOUSING COMPONENTS

**No. 28406**

COVER ASSEMBLY  
OEM: 983967

(1986-1993)

**No. 22386**

SCREW - COVER  
OEM: 3852568

**No. 28404**

TOP COVER ASSEMBLY  
OEM: 914489

(1986-1993)

**No. 22387**

SCREW - TOP COVER  
OEM: 123018

**No. 82480**

O-RING - TOP COVER  
OEM: 313175

**No. 33910**

GASKET  
OEM: 911733

**No. 28408**

WATER POCKET  
COVER ASSEMBLY  
OEM: 911734

**No. 21732**

DIPSTICK - TOP COVER  
OEM: 914488

**No. 22384**

SCREW - COVER  
ASSEMBLY  
OEM: 911734

**No. 12661**

THRUST PLATE - PORT  
OEM: 3852561

**No. 12662**

THRUST PLATE - STBD  
OEM: 3852562

**No. 23360**

SHIM  
OEM: 3852563

**No. 81100**

O-RING - DIPSTICK  
OEM: 329381

**No. 21773**

RETAINER RING  
OEM: 910953



# Cobra

## UPPER GEAR HOUSING DRIVE SHAFT

### No. 28325

U-JOINT & WATER PUMP SHAFT  
OEM: 983880

100% Hot Forged



(1986-1993)

### No. 28315

YOKE  
OEM: 912212

### No. 28030

U-JOINT  
(HEAVY DUTY)  
OEM: 3850812

### No. 28100

SOCKET  
OEM: 912213

### No. 28320

YOKE & WATER PUMP SHAFT  
OEM: 984264

(1986-1993)



### No. 81180

O-RING FOR DRIVE SHAFT YOKE  
OEM: 3852565





# Section 4

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## OMC Cobra Lower Gear Housing Parts 1986-1993

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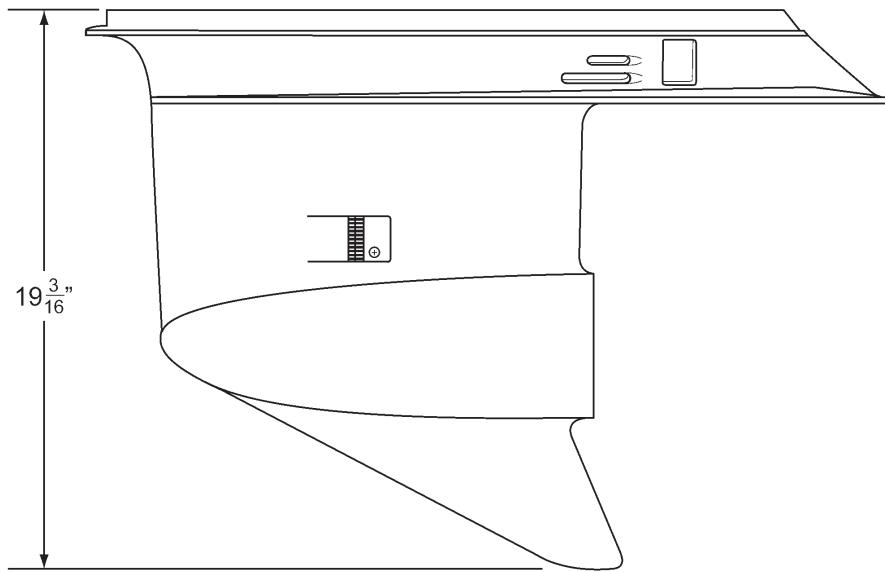
# Cobra

## EMPTY LOWER GEAR HOUSING DIAGRAM - LARGE (1986-1993)

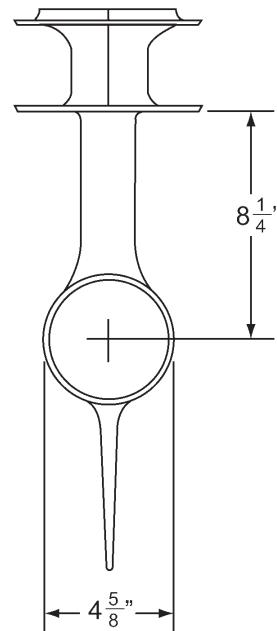
**N/A**

OEM: 439972

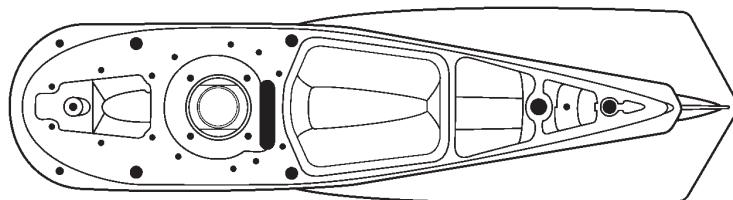
Large Gear Housing



Side View



Rear View



Top View

**No. 11406**

OEM: 5000074

Prop Shaft Bearing Carrier



Limited to Stock on Hand

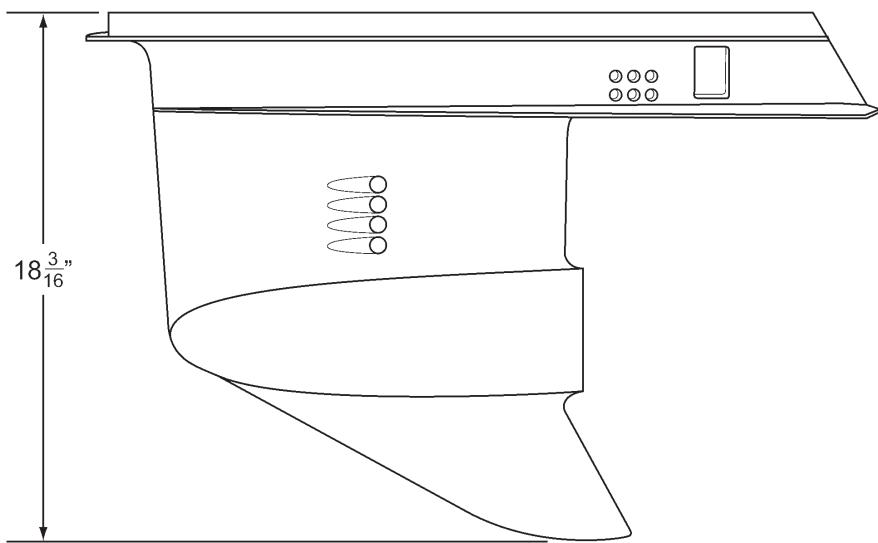
Model	Year	Gear Housing	Prop Shaft Carrier
2.3L 4-Cyl. Ford	1987-1991	Small Housing	-
3.0L 4-Cyl. Chevy	1986-1989	Small Housing	-
3.0L 4-Cyl. Chevy	1990-1993	Large Housing	<b>11406</b> (1990)
4.3L V6	1986-1993	Large Housing	<b>11406</b> (1986-1990)
5.0 L Chevy/Ford	1986-1993	Large Housing	<b>11406</b> (1986-1990)
5.7L Chevy	1986-1993	Large Housing	<b>11406</b> (1986-1990)
5.8L Chevy	1986-1993	Large Housing	<b>11406</b> (1986-1990)

# Cobra

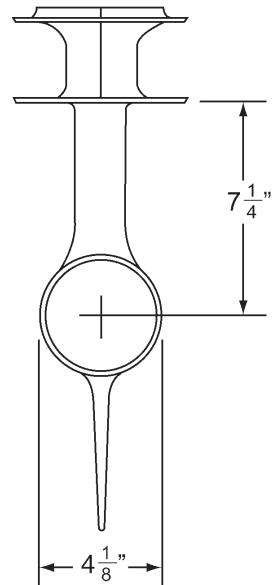
## EMPTY LOWER GEAR HOUSING DIAGRAM - SMALL (1986-1993)

**N/A**

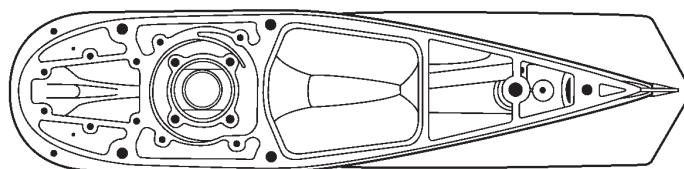
OEM: 984978  
Small Gear Housing



Side View



Rear View



Top View

**GLM**  
www.glimmarine.com

Model	Year	Gear Housing	Prop Shaft Carrier
2.3L 4-Cyl. Ford	1987-1991	Small Housing	-
3.0L 4-Cyl. Chevy	1986-1989	Small Housing	-
3.0L 4-Cyl. Chevy	1990-1993	Large Housing	<b>11406</b> (1990)
4.3L V6	1986-1993	Large Housing	<b>11406</b> (1986-1990)
5.0 L Chevy/Ford	1986-1993	Large Housing	<b>11406</b> (1986-1990)
5.7L Chevy	1986-1993	Large Housing	<b>11406</b> (1986-1990)
5.8L Chevy	1986-1993	Large Housing	<b>11406</b> (1986-1990)

# Cobra

## COMPLETE GEAR HOUSING - REBUILD KIT

No. 28862

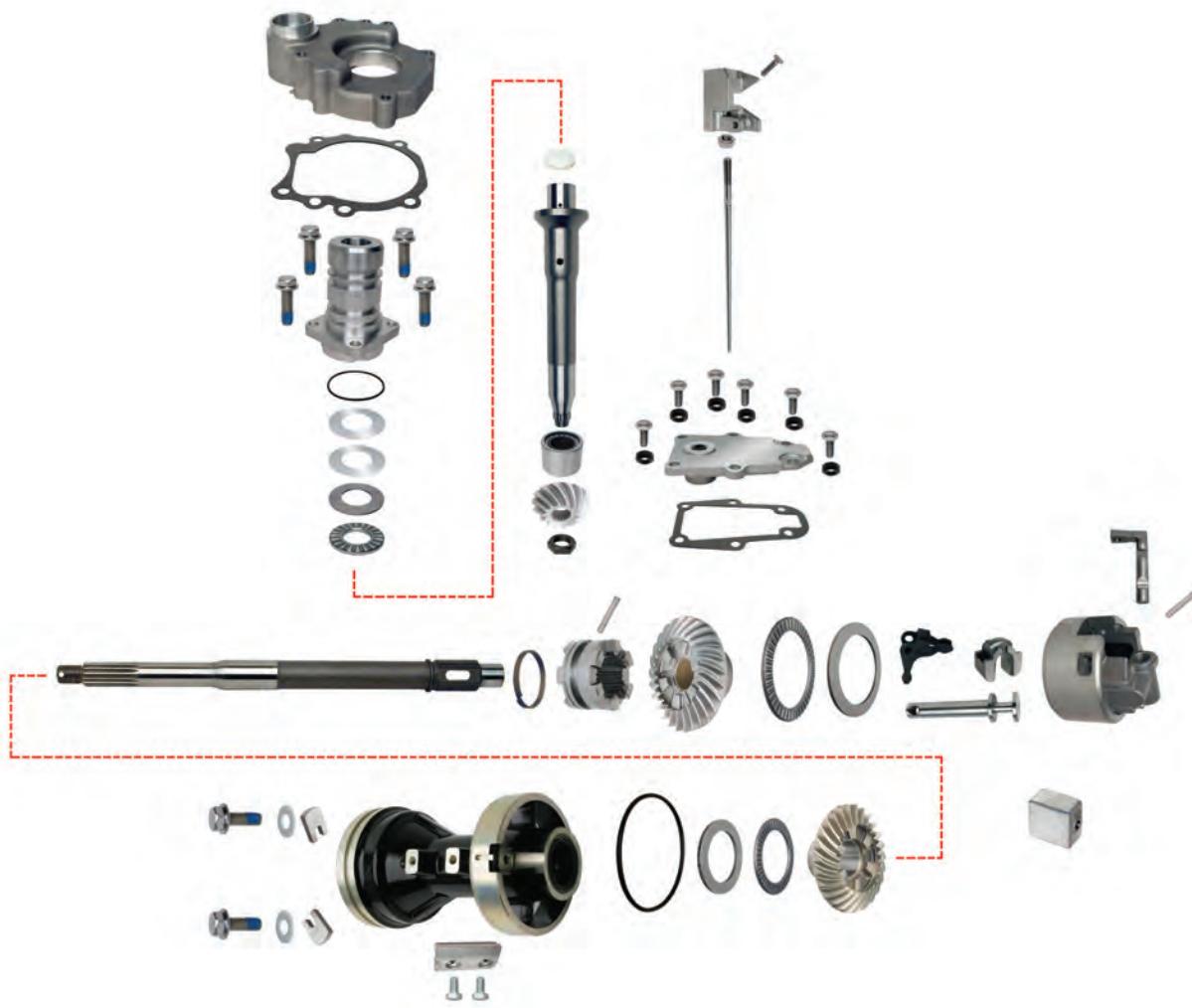
OEM: N/A

1.86 Ratio

All Prop Shaft 1-1/4 in. Dia.

1991 V6 & V8

1991 4-Cyl. 3.0L



# Cobra

## LOWER GEAR HOUSING SEAL KIT - 2.3L (1987-1990), 3.0L (1986-1989)

### No. 87655

OEM: 985612

3.0L 1986-1989  
2.3L 1987-1990



## LOWER GEAR HOUSING SEAL KIT - 3.0L (1990-1993), V6 & V8 (1986-1993)

### No. 87656

OEM: 439967

3.0L 1990-1993  
V6 & V8 1986-1993  
(Except King Cobra)



# Cobra

## **LOWER GEAR HOUSING COMPONENTS (1986-1993)**

## **Lower Gearcase Seal Kit 4-Cyl. (1989 & Below)**

No. 87655

See Section 4

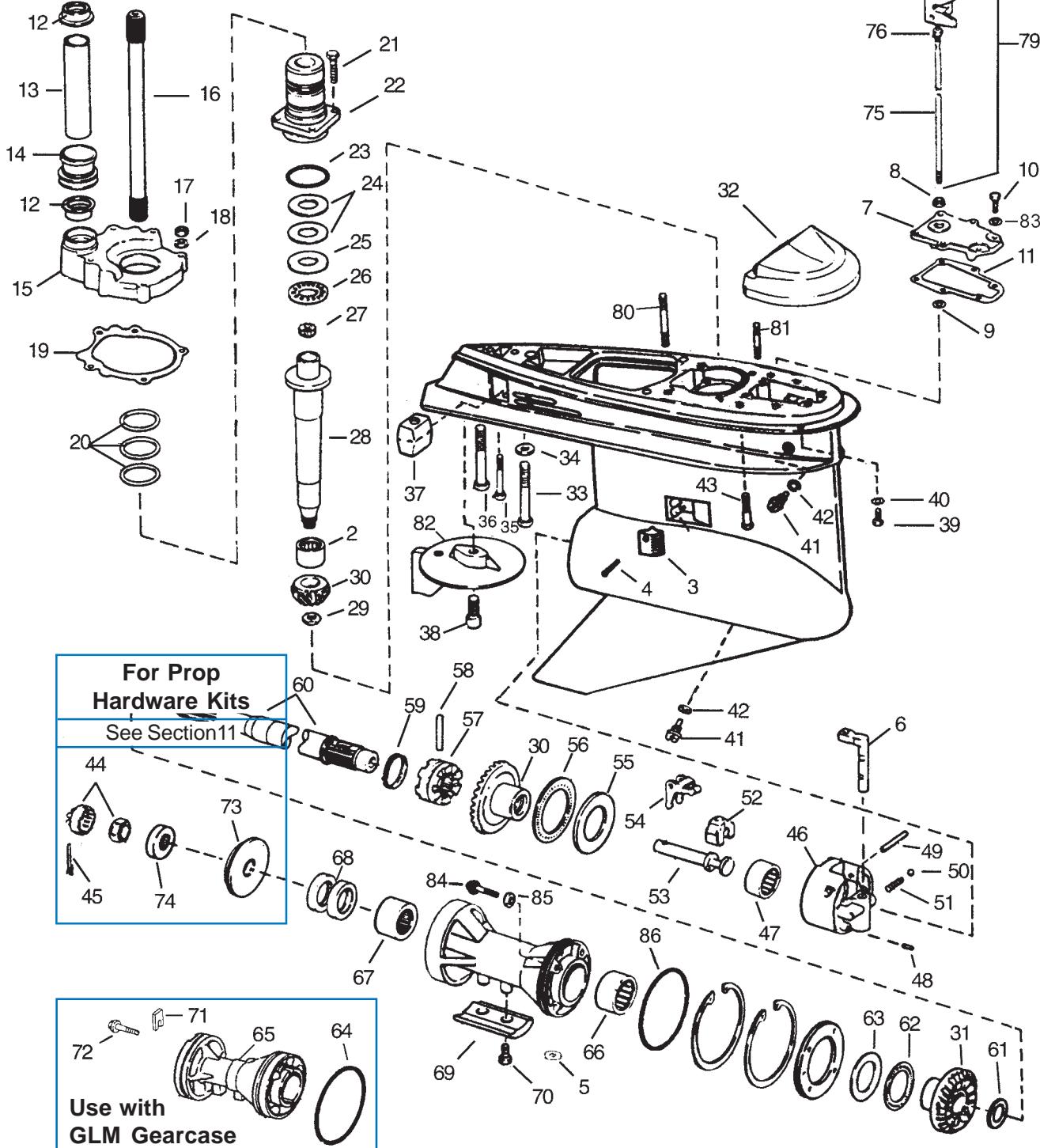
87

## **Lower Gearcase Seal Kit V6/V8 & 4-Cyl. (1990 & Up)**

No. 87656

See Section 4

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# Cobra

## LOWER GEAR HOUSING COMPONENTS (1986-1993)

GLM No.	Ref No.	OEM No.	Description	GLM No.	Ref No.	OEM No.	Description
28800	1	439972	Gearcase Assy. - DISCONTINUED	22491	50	160084	Detent Ball
21610	2	387817	Pinion Bearing (N.S.S.) (See No. 28862)	11055	51	915995	Spring
21885	3	337778	Screen	27730	52	982422	Cradle
22363	4	337061	Screw	27710	53	322941	Shaft
21679	5	-	Washer	27740	54	322938	Lever
27720	6	915954	Detent	21646	55	327669	Thrust Washer
27750	7	986838	Cover & Seal Assembly	16340	56	389042	Thrust Bearing
22390	8	912157	Wiper	22625	57	914716	Clutch Dog
45200	9	318372	O-ring	21135	58	313448	Cross Pin
22375	10	304027	Screw	11052	59	324369	Spring
33960	11	911878	Gasket	22414	60	395209	Prop Shaft 1-3/16 (1986-90)
86620	12	911705	Seal	-	60	436888	Prop Shaft (4-CYL.87-90) Discontinued
12960	13	911706	Tube	22417	60	435022	Prop Shaft 1-1/4 (1991-93)
12961	14	911715	Guide	21651	61	336565	Thrust Washer
27760	15	915720	Water Passage Housing	16300	62	382408	Thrust Bearing
22404	16	911709	Upper Drive Shaft	21642	63	314731	Thrust Washer
21180	17	121731	Nut	82400	64	305123	O-ring
21490	18	305981	Washer	82370	64	313446	O-ring 4-CYL.
33970	19	915719	Gasket	11406	65	5000074	Bearing Carrier (1986-90)
83250	20	318717	O-ring	11408	65	5004257	Bearing Carrier (1991-93)
22362	21	317624	Screw	22870	66	382407	Bearing
27770	22	984462	Bearing Housing	11410	67	387247	Bearing (1986-90) (N.S.S.) (See No. 28862)
81380	23	314728	O-ring	22950	67	434467	Bearing (1991-93)
23590	24	323362	Shim .003	85130	68	320862	Oil Seal (1986-90) 2-pieces
23580	24	323361	Shim .004	86012	68	341281	Oil Seal (1991-93) 1-piece
23510	24	314745	Shim .005	12737	69	431708	Anode
21645	25	327656	Thrust Washer	22320	70	908158	Screw
16330	26	387656	Thrust Bearing	27850	71	333957	Tab
12962	27	911710	Plug	22373	72	341541	Screw
22406	28	911693	Lower Drive Shaft	22221	73	126870	Thrust Washer
11190	29	314730	Nut	22190	74	320570	Spacer
22623	30	987670	P/Forward Gear Set	21033	75	914736	Shift Rod
22624	31	915273	Reverse Gear (1986-93)	21245	76	914743	Nut
12774	32	3853818	Anode	26440	77	914723	Rod End
22365	33	914535	Screw	22388	78	308825	Screw
21674	34	330265	Washer	21032	79	986658	Shift Rod Assembly
22366	35	328096	Screw	22471	80	911713	Stud
22367	36	330263	Screw	22472	81	911714	Stud
12776	37	436745	Anode	23112	82	912392	Trim Tab
22368	38	313715	Screw	21678	83	306358	Washer
22369	39	912127	Screw	22300	84	316563	Screw & Seal
21761	40	328701	Lockwasher	86640	85	332583	Seal
21731	41	318544	Draining Screw	82370	86	313446	O-ring
31171	42	311598	Gasket	87655	87	985612	Seal Kit - 4-Cyl.
22371	43	331999	Screw	87656	88	439967	Seal Kit - V6/V8 & 4-Cyl. (1990 & Up)
22185	44	398042	Nut & Keeper				
22142	45	306394	Cotter Pin				
27700	46	389455	Housing & Bearing Assembly				
22910	47	389039	Bearing				
21138	48	331880	Pin				
21137	49	328825	Pin				

N.S.S.= Not Sold Separately

# Cobra

## LOWER GEAR HOUSING GEARS

# HEAVY DUTY

## Gear Set GLM #22666

Includes #21651 thrust washer\*\*



When all three gears need replacing in your OMC Cobra Sterndrive the installation of the GLM #22666 heavy-duty gear set is highly recommended. The heavy-duty gears can be used with all four-cylinder sterndrives\* from 1990-1993 and all V6 and V8 OMC Cobra sterndrives from 1986-1993. It is recommended that a new clutch GLM #22625 (this clutch is not included with the gear set) be installed with the heavy-duty gears. The gears can be used with the standard 1-3/16" diameter prop shaft (1986-1990) or the heavy-duty 1-1/4" diameter prop shaft (1991-1993).

### GLM #22666 heavy-duty gears fit these OMC Cobra Sterndrive units:

3.0L/181CI	4-Cyl. Chev.	1990-93
4.3L/262CI	V6	Chev.
5.0L/302CI	V8	Ford
5.0L/305CI	V8	Chev.
5.7L/350CI	V8	Chev.
5.8L/351CI	V8	Ford

### STRONGER

OEM gear sets are machined from 8620 forged steel. The GLM gear set is machined from a higher alloy forged steel. The stronger teeth and higher alloy steel results in a gear that is 50% stronger than any other comparable gear set. These durable gears are capable of operating with up to 300 horsepower.

### MORE DURABLE

The new GLM gear set has fewer, larger, and stronger teeth. The pinion gear has 12 teeth and the forward and reverse gears have 22 teeth. The original OEM gear set has 14 teeth on the pinion and 26 teeth on the forward and reverse gears.

### QUIETER

During the gear machining process, an additional pass is made over each tooth for a finer surface. This makes the gear operation especially quiet.

### IMPORTANT NOTE:

***The new heavy-duty GLM #22666 gears will not interchange with the standard Cobra gears. For individual Cobra gear replacement, you must use the standard duty GLM #22623 pinion and forward gears or the GLM #22624 reverse gear.***

\*Except 1990 2.3L

\*\*For model year 1991 OMC increased the prop shaft diameter at the carrier needle bearing (not the prop splines) from 1-3/16 to 1-1/4 inches. Some older gearcases may be fitted with the new large diameter prop shaft. The large diameter prop shaft utilizes a thrust washer (included with this gear set) between the prop shaft and reverse gear. Discard the thrust washer when using the small diameter prop shaft.

# Cobra

## LOWER GEAR HOUSING GEARS

# STANDARD DUTY

## Replacement Gear Sets

These gearsets are an exact copy of the gears used in the 1986-1993 V6 and V8 OMC Cobra sterndrives. They also replace the gears used in the 1990-1993 four-cylinder\* OMC Cobra sterndrives. The standard-duty replacement gears are stronger than the original and can be used with the standard 1 3/16" diameter prop shaft (1986 -1990) or the heavy-duty 1 -1/4" diam



<b>COMPLETE GEAR SET</b> - Forward/Pinion/Reverse - 14/26 teeth - Comes with the GLM #22625 clutch	<b>GLM #22622</b>	OEM #986980
<b>FORWARD &amp; PINION SET</b> - May be used with OMC reverse gear - 14/26 teeth	<b>GLM #22623</b>	OEM #987670
<b>REVERSE GEAR</b> - May be used with OMC forward and pinion gears - 26 teeth - Includes thrust washer #21651**	<b>GLM #22624</b>	OEM #915273
<b>CLUTCH</b>	<b>GLM #22625</b>	OEM #915272

\*Except 1990 2.3L

\*\*For model year 1991 OMC increased the prop shaft diameter at the carrier needle bearing (not the prop splines) from 1-3/16 to 1-1/4 inches. Some older gearcases may be fitted with the new large diameter prop shaft. The large diameter prop shaft utilizes a thrust washer (included with this gear set) between the prop shaft and reverse gear. Discard the thrust washer when using the small diameter prop shaft.

**It is recommended that the above standard duty replacement gears be used only with the four-cylinder and V6 powered sterndrives listed below:**

3.0L/181CI 4-Cyl. Chev. 1990-93  
4.3L/262CI V6 Chev. 1986-93

GLM recommends the heavy-duty gearset #22666 for all V8 powered sterndrives.

# Cobra

## LOWER GEAR HOUSING GEARS

# 4-CYLINDER GEARS

These gearsets are an exact copy of the gears used in the 4-Cylinder 3.0L from 1986-1989 and 1987-1990 2.3L.



#22631  
Forward & Pinion Set

#22632  
Reverse Gear

#22633  
Clutch Dog

<b>COMPLETE GEAR SET</b> - Forward/Pinion/Reverse - 13/26 teeth - Comes with the GLM #22633 clutch	<b>GLM #22630</b>	OEM #986979
<b>FORWARD &amp; PINION SET</b> - May be used with OMC reverse gear - 13/26 teeth	<b>GLM #22631</b>	OEM #985050
<b>REVERSE GEAR</b> - May be used with OMC forward and pinion gears - 26 teeth	<b>GLM #22632</b>	OEM #345992
<b>CLUTCH</b>	<b>GLM #22633</b>	OEM #912607

# Cobra

## GEAR SETS & CLUTCH DOGS

Heavy Duty Gears	Clutch for Heavy Duty Gears	
<p><b>No. 22666</b> COMPLETE GEAR SET OEM: N/A</p> 	<p><b>No. 22625</b> CLUTCH OEM: 915272</p> 	
<b>For Large Gearcase - 3.0L (1990-1993), V6 &amp; V8 (1986-1993)</b>		
<p><b>No. 22622</b> <b>(22623+22624+22625)</b> COMPLETE GEAR SET &amp; CLUTCH OEM: 986980</p> 	<p><b>No. 22623</b> PINION &amp; FORWARD GEAR SET OEM: 987670  14:26 Ratio</p> 	<p><b>No. 22624</b> REVERSE GEAR OEM: 915273</p> 
		<p><b>No. 22625</b> CLUTCH OEM: 915272</p> 
<b>For Small Gearcase - 2.3L (1987-1990), 3.0L (1986-1989)</b>		
<p><b>No. 22630</b> <b>(22631+22632+22633)</b> COMPLETE GEAR SET &amp; CLUTCH OEM: 986979</p> 	<p><b>No. 22631</b> PINION &amp; FORWARD GEAR SET OEM: 985050  13:26 Ratio</p> 	<p><b>No. 22632</b> REVERSE GEAR OEM: 345992</p> 
		<p><b>No. 22633</b> CLUTCH OEM: 912607</p> 

# Cobra

## PROP SHAFT PARTS - 4-CYL 2.3L (1987-1990), 4-CYL 3.0L (1986-1989)

**No. 86030**

PROP SHAFT  
SEAL (2)  
OEM: 330137

**No. 22860**

PROP SHAFT  
BEARING  
OEM: 379504

**No. 22870**

REVERSE GEAR  
BEARING  
OEM: 382407

**No. 21642**

THRUST WASHER -  
REVERSE GEAR  
OEM: 314731

**No. 16300**

THRUST BEARING -  
REVERSE GEAR  
OEM: 382408

**No. 82370**

O-RING -  
BEARING CARRIER  
OEM: 313446



**N/A**

PROP SHAFT  
OEM: 436888  
DISCONTINUED



## PROP SHAFT PARTS - 4-CYL 3.0L (1990), V6 & V8 (1986-1990)

**No. 85130**

PROP SHAFT  
SEAL (2)  
OEM: 320862

**No. 11410**

PROP SHAFT  
BEARING  
OEM: 387247  
(N.S.S.)

**No. 22870**

REVERSE GEAR  
BEARING  
OEM: 382407

**No. 21642**

THRUST WASHER -  
REVERSE GEAR  
OEM: 314731

**No. 16300**

THRUST BEARING -  
REVERSE GEAR  
OEM: 382408

**No. 82400**

O-RING -  
BEARING CARRIER  
OEM: 305123



**No. 22414**

PROP SHAFT 1-3/16  
(1986-1990)  
OEM: 395209



FOR 1-3/16" DIA. PROP SHAFT

No. 22414

N.S.S.= Not Sold  
Separately



# Cobra

## PROP SHAFT PARTS - ALL (1991-1993)

**No. 86012**  
PROP SHAFT  
SEAL  
OEM: 341281



**No. 22950**  
PROP SHAFT  
BEARING  
OEM: 434467



**No. 11408**  
BEARING CARRIER  
OEM: 5004257

Comes with:  
86012, 22950, 22870



**No. 22373**  
SCREW  
OEM: 350271



**No. 27850**  
TAB  
OEM: 333957



**No. 16300**  
THRUST BEARING -  
REVERSE GEAR  
OEM: 382408



**No. 82400**  
O-RING -  
BEARING  
CARRIER  
OEM: 305123



**No. 22870**  
REVERSE GEAR  
BEARING  
OEM: 382407



**No. 21642**  
THRUST WASHER -  
REVERSE GEAR  
OEM: 314731



**No. 21651**  
THRUST  
WASHER  
OEM: 336565



**No. 22417**  
PROP SHAFT 1-1/4  
(1991-93)  
OEM: 5004765



FOR 1-1/4" DIA. PROP SHAFT

No. 22417

For the 1991 model year the OMC Cobra lower gear housing was redesigned with a stronger propeller shaft and bearing carrier.

### Propeller Shaft Changes

A shoulder machined into the propeller shaft contacts the reverse gear and prevents the shaft from being pulled out of the gear housing when shifted into reverse. The 1991-1993 propeller shaft utilizes a hardened steel thrust washer between the shoulder and the reverse gear. This hardened thrust washer keeps the shoulder on the prop shaft from damaging the inside of the gear when the boat is shifted into reverse. The shoulder on the 1991-1993 propeller shaft is machined deeper to accomodate the hardened thrust washer.

Another improvement on the 1991-1993 propeller shaft is an increase in diameter from 1-3/16 inches to 1-1/4 inches. The diameter was increased at the needle bearing, the prop shaft seal and the propeller thrust washer locations. The propeller splines remained the same.

### Bearing Carrier

The 1991 - 1993 bearing carrier was redesigned with two hold-down tabs and two 5/16 inch bolts holding the carrier to the gear housing. The older carrier installs with four 1/4 inch bolts, a retainer plate and two internal retainer rings. The new carrier GLM #11408 also comes with a larger needle bearing and prop shaft seals for the larger diameter prop shaft. It can only be installed into 1991 and newer lower gear housings that have the notches for the hold down tabs.

# Cobra

## LOWER GEAR HOUSING - 4-CYL. 2.3L (1987-1990), 4-CYL. 3.0L (1986-1989)

**No. 11052**  
SPRING  
OEM: 324369



**No. 21135**  
CROSS PIN  
OEM: 313448



**No. 22633**  
CLUTCH DOG  
OEM: 912607



**No. 16310**  
FORWARD GEAR  
THRUST BEARING  
OEM: 385043



**No. 21644**  
FORWARD GEAR  
THRUST WASHER  
OEM: 324766



**No. 21135**  
PIN  
OEM: 313448



**No. 27741**  
LEVER  
OEM: 324037



**No. 27720**  
DETENT  
OEM: 915954



**No. 27710**  
SHAFT  
OEM: 322941



**No. 27730**  
CRADLE  
OEM: 982422



**No. 22870**  
FORWARD GEAR  
BEARING  
OEM: 382407



**No. 27702**  
HOUSING & BEARING ASSY  
OEM: 391365

Includes 22870



**No. 22491**  
DETENT BALL  
OEM: 160084



**No. 11055**  
SPRING  
OEM: 911962



**No. 28482**  
SHAFT & BEARING HSG KIT  
OEM: N/A



# Cobra

## LOWER GEAR HOUSING - 3.0L (1990-1993), V6 & V8 (1986-1993)

**No. 11052**  
SPRING  
OEM: 324369



**No. 21135**  
CROSS PIN  
OEM: 313448



**No. 22625**  
CLUTCH DOG  
OEM: 915272



**No. 16340**  
FORWARD GEAR  
THRUST BEARING  
OEM: 389042



**No. 21646**  
FORWARD GEAR  
THRUST WASHER  
OEM: 327669



**No. 21137**  
PIN  
OEM: 328825



**No. 27740**  
LEVER  
OEM: 322938



**No. 27720**  
DETENT  
OEM: 915954



**No. 27710**  
SHAFT  
OEM: 322941



**No. 27730**  
CRADLE  
OEM: 982422



**No. 22910**  
FORWARD GEAR  
BEARING  
OEM: 389039



**No. 27700**  
HOUSING & BEARING ASSY  
OEM: 389455

Includes 22910



**No. 22491**  
DETENT BALL  
OEM: 160084



**No. 11055**  
SPRING  
OEM: 911962



**No. 28481**  
SHAFT & BEARING HSG KIT  
OEM: N/A



**No. 23112**  
TRIM TAB  
OEM: 912392



**No. 22368**  
SCREW  
OEM: 313715



V6 & V8 (1986-93)  
3.0L (1990-93)

# Cobra

## LOWER GEAR HOUSING SHIFT SHAFT (1986-1993)

### No. 21033

SHIFT ROD  
OEM: 914736

Fits:  
1986-1993 with V6 & V8  
1990-1993 with 4 cyl 3.0L



### No. 26440

ROD END  
OEM: 914723



### No. 21032

SHIFT ROD ASSEMBLY  
OEM: 986658

Fits:  
1986-1993 with V6 & V8  
1990-1993 with 4 cyl 3.0L



### No. 22390

WIPER  
OEM: 912157



### No. 22375

SCREW  
OEM: 304027



### No. 27750

COVER & SEAL ASSY.  
OEM: 986838



### No. 33960

GASKET  
OEM: 911878



### No. 45200

O-RING  
OEM: 318372



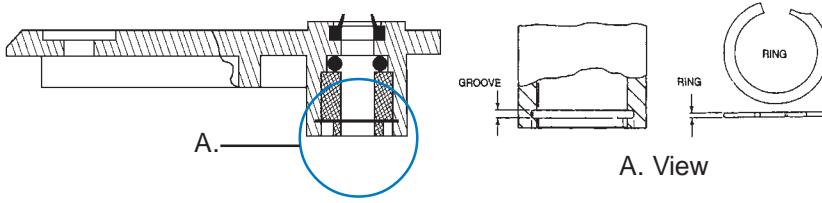
## GLM'S RE-DESIGN OF THE COVER & SEAL ASSEMBLY

GLM proudly uses Smalley\* internal snap ring for holding the sealing bushing. Unlike the OEMs which locks it dead. No special tools are required for replacing the seal and a service job can be finished in seconds!

\*Smalley Steel Ring Co. is a GM vendor

### No. 27750

OEM: 986838



# Cobra

## LOWER GEAR HOUSING DRIVE SHAFT (1986-1993)

**No. 12960**

TUBE  
OEM: 911706



**No. 12961**

GUIDE  
OEM: 911715



**No. 86620**

SEAL - TUBE  
OEM: 911705



**No. 21180**

NUT  
OEM: 121731



**No. 21490**

WASHER  
OEM: 305981



**No. 27760**

WATER PASSAGE HOUSING  
OEM: 915720



**No. 33970**

GASKET  
OEM: 915719



Water Passage

**No. 83250**

O-RING - UPPER  
OEM: 318717



**No. 27770**

BEARING HOUSING  
OEM: 984462



**No. 81380**

O-RING - LOWER  
OEM: 314728



**No. 23590**

SHIM 0.003"  
OEM: 323362

**No. 23580**

SHIM 0.004"  
OEM: 323361

**No. 23510**

SHIM 0.005"  
OEM: 314745

**No. 22362**

SCREW  
OEM: 317624



**No. 22404**

UPPER DRIVE SHAFT  
OEM: 911709



**No. 12962**

PLUG  
OEM: 911710



**No. 22406**

LOWER DRIVE SHAFT  
OEM: 911693

Fits:  
1986-1993 with V6 & V8  
1990-1993 with 4 cylinder 3.0L



**No. 21610**

PINION BEARING  
OEM: 387817

(Not Sold Separately)

Fits:  
1986-1993 with V6 & V8  
1990-1993 with 4 cyl

**No. 22880**

PINION BEARING  
OEM: 384195

Fits:  
1986-1989 with 3.0L

1987-1990 with 2.3L

**No. 16330**

THRUST BEARING  
OEM: 387656



**No. 11190**

PINION NUT  
OEM: 314730





# **Section 5**

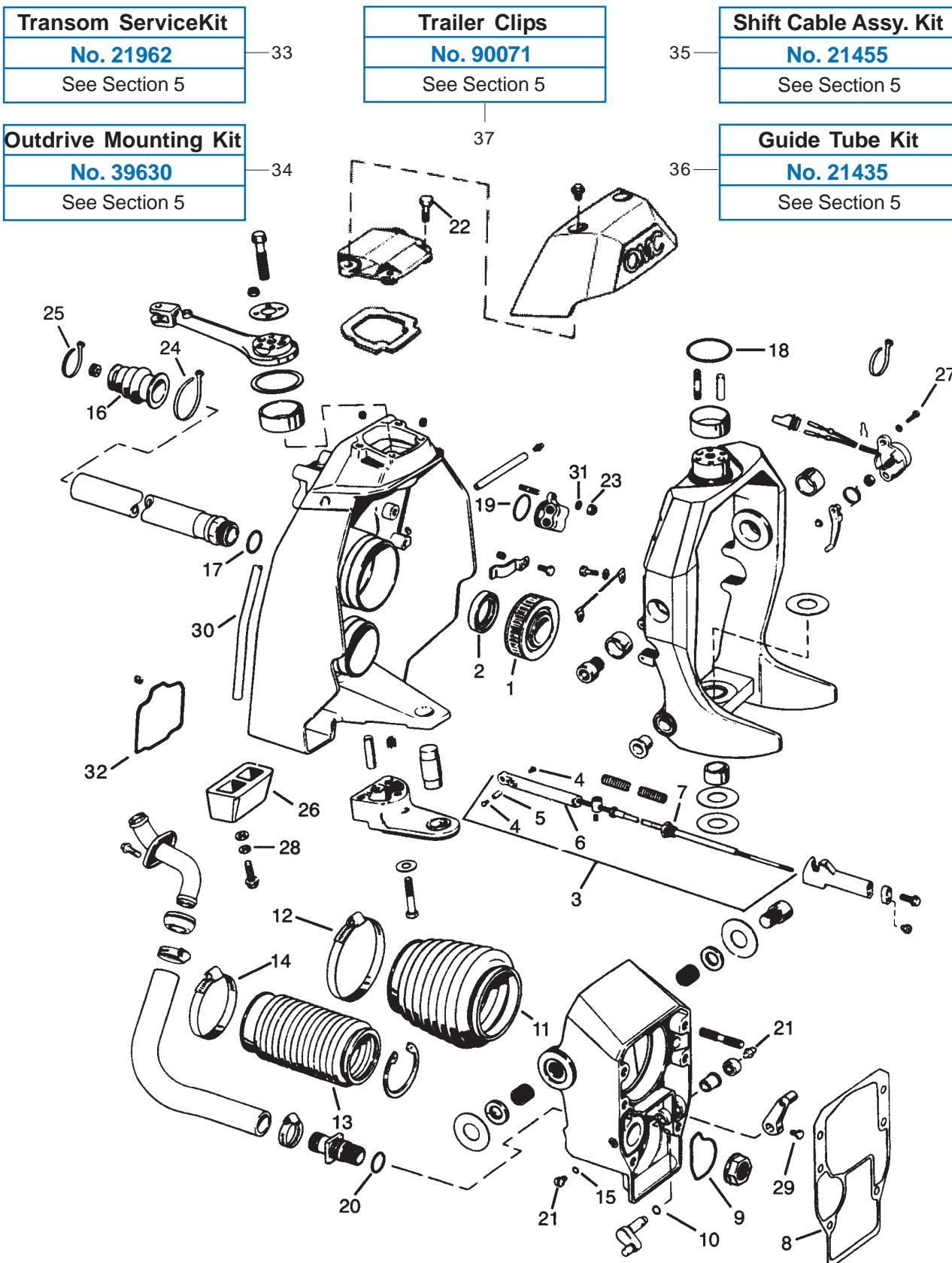
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## **OMC Cobra Transom Assembly Parts 1986-1993**

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# Cobra

## TRANSOM ASSEMBLY (1986-1993)



# Cobra

## TRANSOM ASSEMBLY (1986-1993)

GLM No.	Ref No.	OEM No.	Description
21906	1◆	3853807	Gimbal Bearing, New Maintenance Free!
86560	2	3852548	Oil Seal
21715	3+	987661	Shift Cable Assembly
21433	4-	912304	Set Screw
21432	5-	915918	Anchor
21434	6-	914742	Guide
80140	7-	304174	O-ring
34730	8•+	915840	Gasket
86300	9•+	3852560	Seal
80120	10	202893	O-ring
89200	11◆	3854127	U-Joint Bellow
01090	12◆	912667	Clamp
89190	13◆	914036	Exhaust Bellow
01070	14◆	912628	Clamp
80100	15	911311	O-ring
89210	16◆+	911826	Shift Cable Bellow
81230	17	911871	O-ring
82260	18	302337	O-ring
81250	19	322501	O-ring
81210	20	911718	O-ring
27786	21	313607	Fitting
22328	22	909636	Screw
21180	23	121731	Lock Nut
21465	24◆+	320107	Tie Strip
21466	25◆+	317893	Tie Strip
12698	26	3853930	Anode (1990-1993)
22388	27	308825	Screw
21496	28	306470	Lockwasher
22320	29	908158	Screw
86690	30	3852550	Transom Mount Seal
21720	31	329241	Washer
82440	32	913810	O-ring
21962	33	-	Transom Service Kit
39630	34◆+	508105	Outdrive Mounting Kit
21455	35	N/A	Shift Cable Assembly Kit
21435	36+	N/A	Guide Tube Kit
90071	37	174448	Trailer Clips
◆ Included in Kit No. 21962			
+ Included in Kit No. 21455			
• Included in Kit No. 39630			
- Included in Kit No. 21435			

# Cobra

## SHIFT CABLE

### No. 21455

SHIFT CABLE  
ASSEMBLY KIT  
OEM: N/A



**NEW**

### Kit contains:

GLM	OEM	ITEM
21715	987661	Shift Cable Assembly Kit
39630	508105	Drive Installation Kit
89210	911826	Bellow
21465	320107	Cable Tie
21466	317893	Cable Tie

### No. 21715

SHIFT CABLE  
ASSEMBLY KIT  
OEM: 987661

Now comes with No. 90580  
Shift Cable Adjustment Tool Kit!



### Kit contains:

GLM	OEM	ITEM
21716	N/A	Shift Cable (N.S.S.)
21432	915918	Anchor
21433 (2)	912304	Set Screw
21434	914742	Guide
80140	304174	O-ring
90580	914017+	Shift Cable
915271	915271	Adjustment Tool

Cobra  
(1986-1993)

### No. 21435

GUIDE TUBE KIT  
OEM: N/A



### Kit contains:

GLM	OEM	ITEM
21434	914742	Guide Tube
21433 (2)	912304	Set Screw
21432	915918	Anchor
80140	304174	O-ring

For All "Clutch Dog" Cobra

### No. 21433

SET SCREW  
OEM: 912304



### No. 21432

ANCHOR  
OEM: 915918



### No. 90580

SHIFT CABLE ADJUSTMENT TOOL KIT  
OEM: 914017 + 915271  
(Plastic)

**NEW**



\*Note: Individual Parts Not Sold Separately

Cobra  
(1986-1993)

### No. 21434

GUIDE TUBE  
OEM: 914742



### No. 80140

O\_RING  
OEM: 304174



# Cobra

## TRANSOM SERVICE KIT

### No. 21962

OEM: N/A

**Kit contains:**

GLM	OEM	ITEM
39630	508105	Seal Kit
89210	911826	Shift Cable Bellow
89200	3854127	U-Joint Bellow
89190	914036	Exhaust Bellow
01090	3852604	Hose Clamp
01070	912628	Hose Clamp
21906	3853807	Gimbal Bearing
21465	320107	Cable Tie
21466	317893	Cable Tie



Cobra  
(1986-1993)

## TRANSOM COMPONENTS

### No. 39630

OUTDRIVE  
MOUNTING KIT  
OEM: 508105



**Kit contains:**

GLM	OEM	ITEM
34730	915840	Gasket
39631	N/A	Outdrive Mounting Kit

For All "Clutch Dog" Cobra  
(1986-1993)

### No. 21906

GIMBAL BEARING  
ASSEMBLY  
OEM: 3853807



GLM Built in U.S.A.

### No. 89210

SHIFT CABLE BELLOWS  
OEM: 911826



Cobra  
(1986-1993)

### No. 89190

EXHAUST BELLOWS  
OEM: 914036



Cobra  
(1986-1993)

### No. 89200

U-JOINT BELLOWS  
OEM: 3854127



Cobra  
(1986-1998)

### No. 90071

TRAILER CLIPS  
OEM: 174448



For OMC Cobra



# **Section 6**

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## **OMC Stringer Upper Gear Housing Parts 1985 & older**

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# Stringer

# **COMPLETE UPPER GEAR HOUSING ASSEMBLY**

## **APPLICATION CHART (1973-1985)**

**LIMITED TO STOCK ON HAND**



# Stringer

## COMPLETE UPPER GEAR HOUSING ASSEMBLY (1973-1985)

100% New



Engine	Teeth on Original Gears	GLM No.	OEM No.
4-Cylinder, All	21T/18T	-	982488
V6, 3.8L, 229 CID	21T/20T	<b>27400</b>	982739
L6, 165 HP	21T/19T	<b>27300</b>	981229
V6, 4.3L, 262 CID	21T/19T	<b>27300</b>	981229
V8 Ford, 5.0L, 302 CID	21T/17T	<b>27200</b>	982487
V8 Chevy, 5.0L, 305 CID	21T/17T	<b>27200</b>	982487
V8 Chevy, 5.7L, 350 CID	21T/16T	<b>27100</b>	982488
V8 Ford, 5.8L, 351 CID	21T/16T	<b>27100</b>	982488

**LIMITED TO STOCK ON HAND**

# Stringer

## UPPER GEAR HOUSING (1973-1985)

No. 27000

OEM: 982226

### 1973-1985 OMC Empty Gear Housing Ready for Your Components

**Don't scrap a boat because of a corroded upper gear housing!  
Replace it with a NEW housing from GLM.**

The GLM #27000 will work on all 1973-1985 OMC sterndrives and will accept the original internal and external OMC components.



LIMITED TO STOCK ON HAND

# Stringer

## BEARING RETAINER ASSEMBLY KITS (1973-1985)

**No. 22590** 21T/16T

OEM: 982478

**No. 22580** 21T/17T

OEM: 982477

**No. 22567** 21T/18T

OEM: 982476

**No. 22568** 21T/19T

OEM: 984263

**No. 22570** 21T/20T

OEM: 982738



## UPPER GEAR HOUSING REBUILD KITS (1973-1985)

**No. 22519** 21T/16T

OEM: N/A

**No. 22516** 21T/17T

OEM: N/A

**No. 22537** 21T/18T

OEM: N/A

**No. 22538** 21T/19T

OEM: N/A

**No. 22539** 21T/20T

OEM: N/A



# Stringer

## UPPER GEAR HOUSING SEAL KITS

**No. 87651**

OEM: 981799



For 100 thru 245 (1968-1972)

**No. 87650**

OEM: 982949



For All Models (1973-1985)

## UPPER GEAR HOUSING KITS APPLICATION CHART (1973-1985)

Engine	Teeth on Original Gears	Upper Rebuild Kit	Bearing Retainer Kit	Upper Seal Kit
4-Cylinder, All	21T/18T	<b>22537</b>	<b>22567</b>	<b>87650</b>
V6, 3.8L, 229 CID	21T/20T	<b>22539</b>	<b>22570</b>	<b>87650</b>
L6, 165 HP	21T/19T	<b>22538</b>	<b>22568</b>	<b>87650</b>
V6, 4.3L, 262 CID	21T/19T	<b>22538</b>	<b>22568</b>	<b>87650</b>
V8 Ford, 5.0L, 302 CID	21T/17T	<b>22516</b>	<b>22580</b>	<b>87650</b>
V8 Chevy, 5.0L, 305 CID	21T/17T	<b>22516</b>	<b>22580</b>	<b>87650</b>
V8 Chevy, 5.7L, 350 CID	21T/16T	<b>22519</b>	<b>22590</b>	<b>87650</b>
V8 Ford, 5.8L, 351 CID	21T/16T	<b>22519</b>	<b>22590</b>	<b>87650</b>

# Stringer

## UPPER GEAR SETS (1973-1985)

***GLM is first in the marine industry to have all of the OMC upper housing gear ratios.***

Different size engines require different gear ratios in the drive. The manufacturer changes these ratios with different gear sets. The gear ratio change is in the upper gear housing\*. All 1973-1985 OMC upper gear housings are identical\*\* except for the tooth count on the gears. Below is a chart showing the tooth count for the different size engines used with OMC sterndrives.



All GLM upper gear sets come with:

GLM No.	OEM No.	Item
21544	382212	Bearing
21545	379585	Bearing
21547	375761	Bearing

Engine	Teeth on Original Gears	GLM No.	OEM No.
4-Cylinder, All	21T/18T	<b>22518</b>	982244
V6, 3.8L, 229 CID	21T/20T	<b>22530</b>	982835
L6, 165 HP	21T/19T	<b>22514</b>	984262
V6, 4.3L, 262 CID	21T/19T	<b>22514</b>	984262
V8 Ford, 5.0L, 302 CID	21T/17T	<b>22512</b>	982259
V8 Chevy, 5.0L, 305 CID	21T/17T	<b>22512</b>	982259
V8 Chevy, 5.7L, 350 CID	21T/16T	<b>22510</b>	982261
V8 Ford, 5.8L, 351 CID	21T/16T	<b>22510</b>	982261

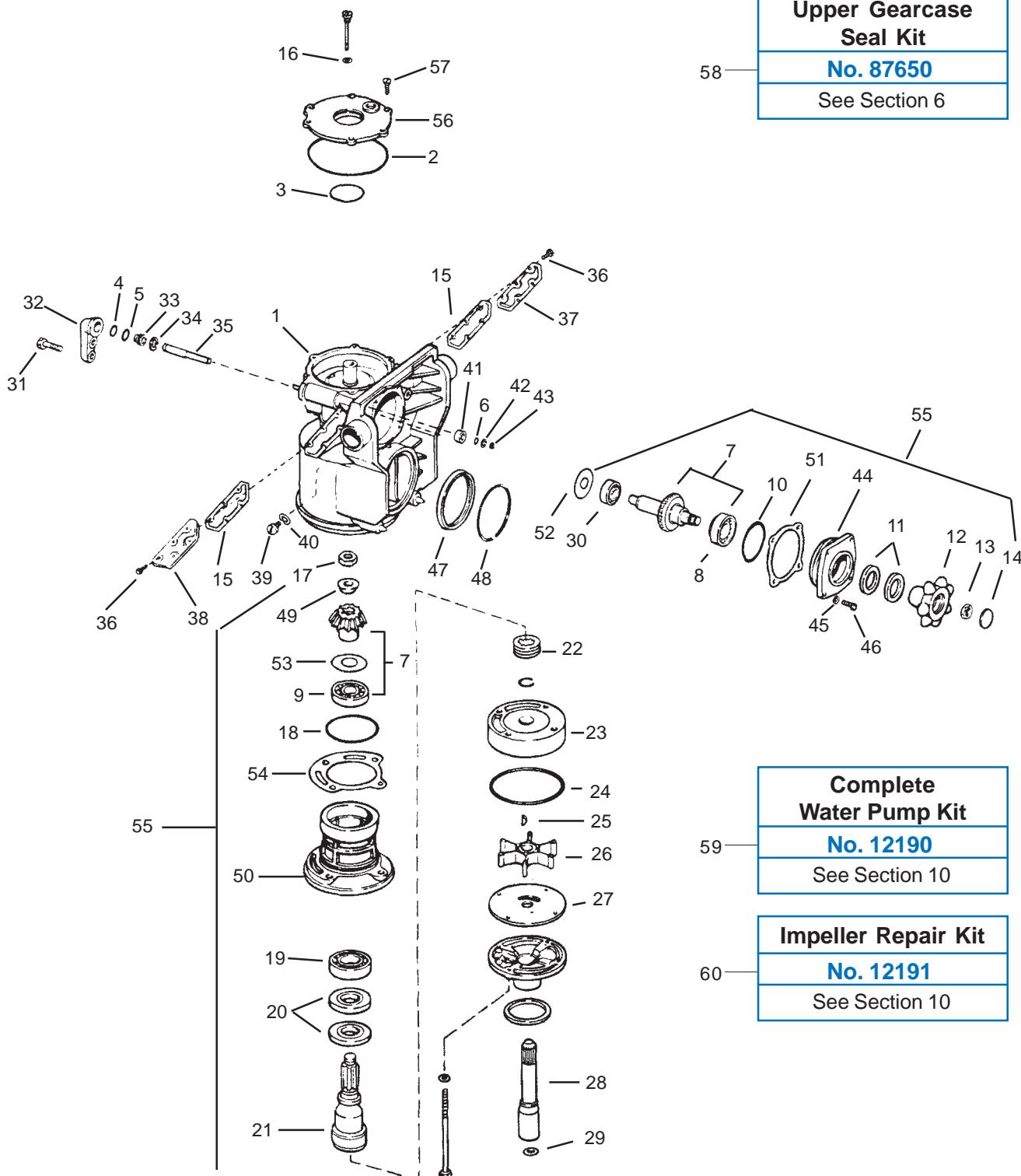
\*All lower gear housing ratios are either 2.0:1 for the four-cylinder engines or 1.83:1 for the six and eight-cylinder engines.

\*\*The original driven gears in 1973 and 1974 upper gear housings are **not** machined for a centering cone. All 1975 and newer driven gears and all GLM replacement driven gears are machined for a centering cone. A new drive shaft with shorter splines and a centering cone must be installed when replacing the original (non-centering cone) driven gear.

Rebuild your OMC powered boat with high quality GLM parts!  
***GLM is the source for OMC parts!***

# Stringer

## **UPPER GEAR HOUSING (1973-1985)**



# Stringer

## UPPER GEAR HOUSING (1973-1985)

GLM No.	Ref No.	OEM No.	Description	GLM No.	Ref No.	OEM No.	Description
27000	1	982226	Upper Gearcase Assembly	27830	43	911317	Retaining Ring
82480	2	313175	O-ring	27960	44	313184	Bearing Retainer
82250	3	310327	O-ring (Electric Shift)	21492	45	302290	Lockwasher
82250	3	910582	O-ring (400-800)	22327	46	909386	Screw
82140	4	302540	O-ring (Early Model)	86652	47	308768	Seal
80230	4	909140	O-ring (Late Model)	11056	48	308590	Spring
42140	5	909139	Quad Ring	22515	49	909123	Centering Cone
41120	6	909048	Quad Ring	27950	50	910240	Bearing Housing
22510	7	982261	Gears 21:16	23312	51	313202	Shim .002
22512	7	982259	Gears 21:17	23313	51	313203	Shim .003
22514	7	984262	Gears 21:19	23314	51	313204	Shim .004
22518	7	982835	Gears 21:18	23315	51	313205	Shim .005
22530	7	982244	Gears 21:20	23316	51	313206	Shim .006
21544	8	382212	Bearing	23323	52	313163	Shim .003
21545	9	379585	Bearing	23324	52	313164	Shim .004
82350	10	308621	O-ring	23325	52	313165	Shim .005
86080	11	981196	Oil Seal	23326	52	313166	Shim .006
22020	12	908069	Ball Gear	23327	52	313167	Shim .007
22330	13	908064	Nut	23328	52	313168	Shim .008
22030	14	908052	Cover	23333	53	313193	Shim .003
34180	15	308592	Gasket	23334	53	313194	Shim .004
33050	16	315189	Gasket	23335	53	313195	Shim .005
22310	17	907866	Lock Nut	23336	53	313196	Shim .006
82360	18	553126	O-ring	23337	53	313197	Shim .007
21546	19	382165	Bearing	23338	53	313198	Shim .008
86090	20	981268	Oil Seal	23339	53	313199	Shim .009
22412	21	909121	Drive Shaft - Low Profile ('78-85)	23340	53	313200	Shim .010
N.L.A.	21	981220	Drive Shaft - High Profile ('75-77)	23345	54	313185	Shim .005
N.L.A.	21	382883	Drive Shaft - High Profile ('73-74)	23346	54	313186	Shim .006
86100	22	907774	Shaft Seal	23347	54	313187	Shim .007
12390	23	983298	Pump Housing	23348	54	313188	Shim .008
82520	24	910238	O-ring	23349	54	313189	Shim .009
89595	25	308928	Key	23350	54	313190	Shim .010
89760	26	777130	Impeller Pump Plate	22567	55	982476	Bearing Retainer Assy. 2.5/3.0L
12590	27	313176	Pump Plate	22570	55	982738	Bearing Retainer Assy. 3.8L
22410	28	909753	Pump Drive Shaft (Low Profile)	22568	55	984263	Bearing Retainer Assy. 4.3L
22411	28	908087	Pump Drive Shaft (High Profile)	22580	55	982477	Bearing Retainer Assy. 5.0L
80220	29	314491	O-ring	22590	55	982478	Bearing Retainer Assy. 5.7L
21547	30	375761	Bearing	27860	56	313228	Cover
22329	31	305282	Screw	22307	57	909638	Screw
27970	32	908870	Bracket	87650	58	982949	Seal Kit
27990	33	908871	Retainer	12190	59	983218	Complete Water Pump Kit
27840	34	911316	Retainer Ring	12191	60	-	Impeller Repair Kit
27980	35	908890	Spacer Shaft				
22328	36	3852473	Screw				
28440	37	308699	Water Cover - Stbd.				
28450	38	308591	Water Cover - Port				
21731	39	318544	Screw Set				
31171	40	311598	Gasket				
27820	41	308883	Bushing				
31173	42	314390	Gasket				

# Stringer

## UPPER GEAR HOUSING COMPONENTS

### No. 22010

BALL GEAR  
OEM: 908063

Limited Stock!



### No. 27960

BEARING RETAINER  
OEM: 313184



### No. 86080

SEAL - BEARING  
RETAINER (2)  
OEM: 981196



### No. 22330

BALL GEAR NUT  
OEM: 908064



### No. 22030

BALL GEAR COVER  
OEM: 908062



### No. 21492

LOCKWASHER  
OEM: 302290



### No. 22327

SCREW  
OEM: 909386



### No. 21544

TAPERED ROLLER  
BEARING - RETAINER  
OEM: 382212



### No. 82350

O-RING -  
BEARING - RETAINER  
OEM: 308621



### SHIMS

**No. 23312** (.002)    **No. 23315** (.005)

OEM: 313202    OEM: 313205

**No. 23313** (.003)    **No. 23316** (.010)

OEM: 313203    OEM: 313206

**No. 23314** (.004)    **No. 23310**

OEM: 313204    COMPLETE KIT  
OEM: N/A

### SHIMS - REAR BEARING

**No. 23323** (.003)

OEM: 313163

**No. 23324** (.004)

OEM: 313164

**No. 23325** (.005)

OEM: 313165

**No. 23326** (.006)

OEM: 313166

**No. 23327** (.007)

OEM: 313167

**No. 23328** (.008)

OEM: 313168

**No. 23320**

COMPLETE KIT  
OEM: 313163



### No. 21547

TAPERED ROLLER BEARING

OEM: 375761



# Stringer

## UPPER GEAR HOUSING COMPONENTS

### No. 22310

NUT  
OEM: 907866



### No. 22515

CENTERING CONE  
OEM: 909123



### No. 21545

UPPER TAPERED  
ROLLER BEARING  
OEM: 379585



### SHIMS

**No. 23333** (.003)  
OEM: 313193

**No. 23338** (.008)  
OEM: 313198

**No. 23334** (.004)  
OEM: 313194

**No. 23339** (.009)  
OEM: 313199

**No. 23335** (.005)  
OEM: 313195

**No. 23340** (.010)  
OEM: 313200

**No. 23336** (.006)  
OEM: 313196

**No. 23330**  
COMPLETE KIT  
OEM: N/A

**No. 23337** (.007)  
OEM: 313197



### No. 82360

O-RING - BEARING HOUSING  
OEM: 553126

### SHIMS

**No. 23345** (.005) **No. 23348** (.008)  
OEM: 313185 OEM: 313188

**No. 23346** (.006) **No. 23349** (.009)  
OEM: 313186 OEM: 313189

**No. 23347** (.007) **No. 23350** (.010)  
OEM: 313187 OEM: 313190

### No. 27950

BEARING HOUSING  
OEM: 910240



### No. 21546

LOWER TAPERED  
ROLLER BEARING  
OEM: 382165



### No. 86090

SEAL (2)  
OEM: 981268



## DRIVE SHAFT (1978-85)

### No. 22412

DRIVE SHAFT - LOW PROFILE  
OEM: 909121



# Stringer

## UPPER GEAR HOUSING COMPONENTS

**No. 28440**

WATER COVER-STBD  
OEM: 308699



**No. 28450**

WATER COVER -PORT  
OEM: 308591



**No. 34180**

WATER COVER  
GASKET (2)  
OEM: 308592



**No. 22307**

SCREW  
OEM: 9096381



**No. 82250**

O-RING  
OEM: 910582



**No. 27860**

COVER  
OEM: 313228



**No. 82480**

O-RING - COVER  
OEM: 313175



**No. 86652**

SEAL  
OEM: 308768



**No. 11056**

SPRING  
OEM: 308590

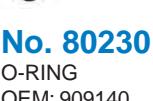


**No. 22329**

SCREW  
OEM: 305282



**No. 80230**  
O-RING  
OEM: 909140



**No. 27990**  
RETAINER  
OEM: 908871



**No. 27980**  
SPACER SHAFT  
OEM: 908890



**No. 27820**

BUSHING  
OEM: 308883



**No. 31173**

GASKET  
OEM: 314390



**No. 41120**  
QUAD RING  
OEM: 909048



**No. 27840**  
RETAINER  
OEM: 911316

# **Section 7**

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## **OMC Stringer Lower Gear Housing Parts 1985 & Older**

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# Stringer

## LOWER GEAR HOUSING COMPONENTS - WITH MECHANICAL SHIFT (1978-1985)

**Lower Gearcase  
Seal Kit - V6/V8  
with Mech. Shift**

**No. 87630**

See Section 7

**Lower Gearcase  
Seal Kit - 4-Cyl.  
with Mech. Shift**

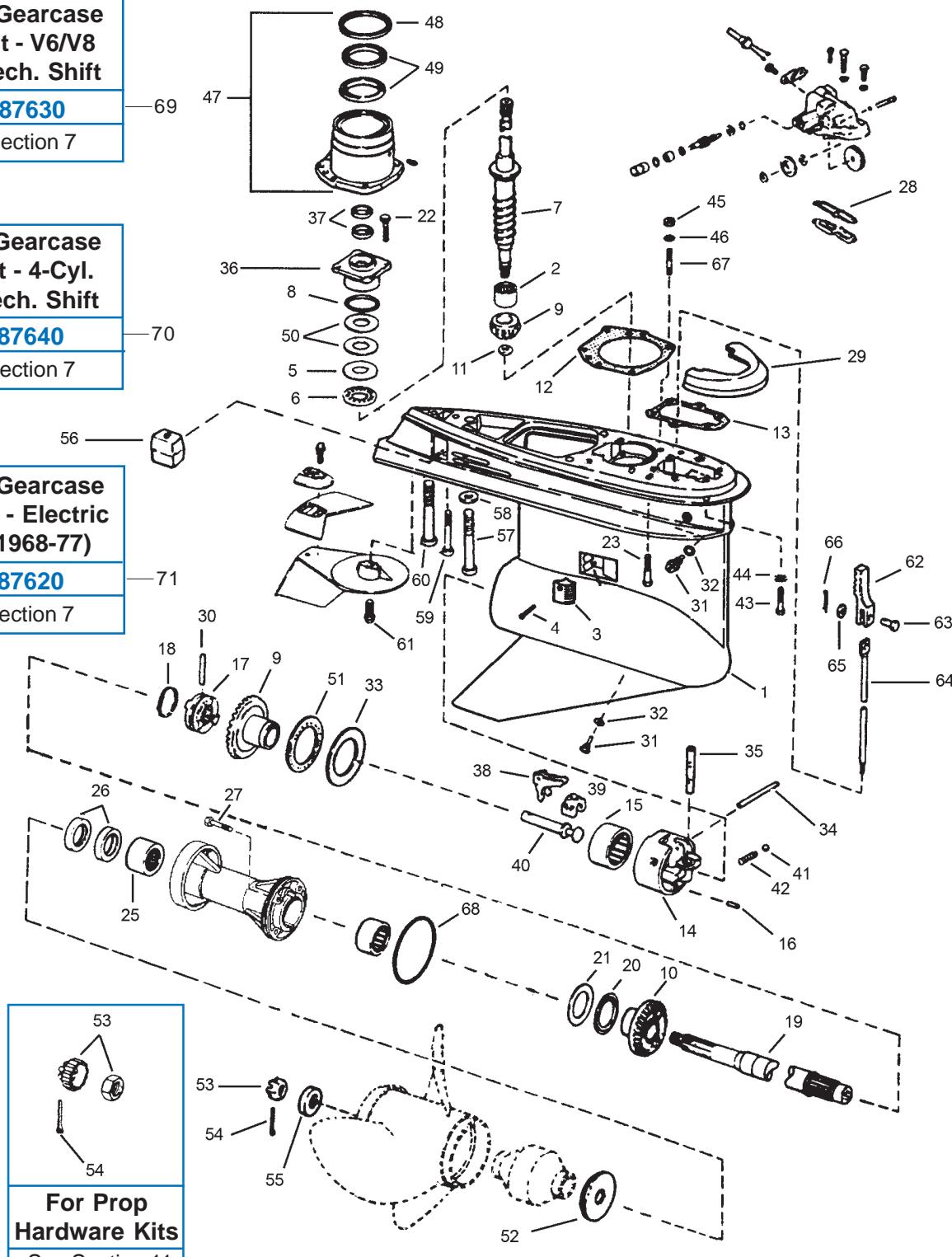
**No. 87640**

See Section 7

**Lower Gearcase  
Seal Kit - Electric  
Shift (1968-77)**

**No. 87620**

See Section 7



**For Prop  
Hardware Kits**

See Section 11

# Stringer

## LOWER GEAR HOUSING COMPONENTS - WITH MECHANICAL SHIFT (1978-1985)

GLM No.	Ref No.	OEM No.	Description	GLM No.	Ref No.	OEM No.	Description
-	1	438050	Gearcase Assy. - DISCONTINUED	<b>27740</b>	38	322938	Lever
<b>21610</b>	2	387817	Pinion Bearing (Not Sold Separately)	<b>27741*</b>	38	324037	Lever 4-Cyl.*
<b>22880*</b>	2	384195	Pinion Bearing 4-Cyl.*	<b>27730</b>	39	982422	Cradle
<b>21885</b>	3	337778	Screen	<b>27710</b>	40	322941	Shaft
<b>22363</b>	4	337061	Screw	<b>22491</b>	41	160084	Detent Ball
<b>21645</b>	5	327656	Thrust Washer	<b>11055</b>	42	911962	Spring
<b>16330</b>	6	387656	Thrust Bearing	<b>22369</b>	43	912127	Screw
<b>22413</b>	7	982424	Drive Shaft	<b>21761</b>	44	328701	Lockwasher
<b>81380</b>	8	314728	O-ring	<b>21180</b>	45	121731	Nut
<b>22623*</b>	9	5004216	P/Forward Gear Set M*	<b>21490</b>	46	305981	Washer
<b>22621*</b>	9	435088	P/Forward Gear Set H*	<b>27780+</b>	47	982439	Swivel Bearing Retainer V6 & V8 +
<b>22631*</b>	9	986979	P/Forward Gear Set 4-Cyl.*	<b>86040</b>	48	310649	Oil Seal
<b>22624</b>	10	910994	Reverse Gear	<b>86050</b>	49	313353	Oil Seal
<b>22632*</b>	10	345992	Reverse Gear 4-Cyl.*	<b>23590</b>	50	323362	Shim .003
<b>22666</b>	9+10	-	Gear Set (Heavy Duty)	<b>23580</b>	50	323361	Shim .004
<b>11190</b>	11	314730	Nut	<b>23510</b>	50	314745	Shim .005
<b>34720</b>	12	910236	Gasket	<b>16340</b>	51	389042	Thrust Bearing
<b>33730*</b>	12	910338	Gasket 4-Cyl.*	<b>16310*</b>	51	385043	Thrust Bearing 4-Cyl.*
<b>33020</b>	13	324670	Gasket	<b>22230*</b>	52	127084	Thrust Washer 4-Cyl.*
<b>27700</b>	14	389455	Housing & Bearing Assembly	<b>22221</b>	52	126870	Thrust Washer
<b>27702*</b>	14	391365	Housing & Bearing Assy. 4-Cyl.*	<b>22150*</b>	53	314503	Nut 4-Cyl.*
<b>22910</b>	15	389039	Bearing	<b>22185</b>	54	398042	Nut & Keeper
-	15	382407	Bearing 4-Cyl.*- DISCONTINUED	<b>22120*</b>	54	314502	Cotter Pin 4-Cyl.*
<b>21138</b>	16	331880	Pin	<b>22142</b>	54	306394	Cotter Pin
<b>22625</b>	17	337774	Clutch Dog	<b>22250*</b>	55	315810	Spacer 4-Cyl.*
<b>22633*</b>	17	910578	Clutch Dog 4-Cyl.*	<b>22190</b>	55	320570	Spacer
<b>11052</b>	18	324369	Spring	<b>12776</b>	56	436745	Anode
<b>22414*</b>	19	395209	Prop Shaft M*	<b>22365</b>	57	914535	Screw 7/16 x 3-1/2 -14
-	19	436888	Prop Shaft* (4-Cyl.76-86) - DISCONT.	<b>21674</b>	58	330265	Washer
<b>16300</b>	20	382408	Thrust Bearing	<b>22366</b>	59	328096	Screw
<b>21642</b>	21	314731	Thrust Washer	<b>22367</b>	60	330263	Screw 3/8 x 3-1/2 -16
<b>22362</b>	22	317624	Screw	<b>22368</b>	61	313715	Screw
<b>22371</b>	23	331999	Screw 3/8 x 1-3/4 -16	<b>27870</b>	62	910311	Rack
-	24	382407	Bearing - DISCONTINUED	<b>27880</b>	63	910539	Pin
<b>11410</b>	25	387247	Bearing (Not Sold Separately)	<b>27890+</b>	64	910309	Shift Rod V6 & V8 +
<b>85130</b>	26	320862	Oil Seal	<b>21678</b>	65	306358	Washer
<b>22300</b>	27	316563	Screw	<b>22145</b>	66	306376	Cotter Pin
<b>34690</b>	28	909604	Gasket	<b>22473</b>	67	910551	Stud
<b>12773</b>	29	983494	Anode	<b>82400</b>	68	305123	O-ring
<b>21135</b>	30	313448	Cross Pin	<b>82370*</b>	68	313446	O-ring 4-Cyl.*
<b>21731</b>	31	318544	Draining Screw	<b>87630</b>	69	982946	Seal Kit V6 & V8 w/ Mech. Shift
<b>31171</b>	32	311598	Gasket	<b>87640</b>	70	982947	Seal Kit 4-Cyl. w/ Mech. Shift
<b>21646</b>	33	327669	Thrust Washer	<b>87620</b>	71	981797	Seal Kit w/ Electric Shift (1968-77)
<b>21644*</b>	33	324766	Thrust Washer 4-Cyl.*	*The 1978-1985 OMC Sterndrives with four-cylinder engines utilize a small diameter lower gear housing.			
<b>21137</b>	34	328825	Pin	+The 1978-1986 OMC sterndrives with V6 or V8 engines use a large diameter lower gear housing.			
<b>21135*</b>	34	320145	Pin 4-Cyl.*	The lower gear housing parts are interchangeable except where noted with an asterisk or plus sign.			
<b>27721</b>	35	910310	Detent	M* - Mechanical Shift H* - Hydraulic Shift			
<b>22730</b>	36	982422	Bearing Housing & Seal				
<b>86060</b>	37	321467	Oil Seal				

# Stringer

## LOWER GEAR HOUSING GEARS - V6 & V8

# HEAVY DUTY

## Gear Set GLM #22666

Includes #21651 thrust washer\*



When all three gears need replacing in your OMC sterndrive the installation of the GLM #22666 heavy-duty gear set is highly recommended. The heavy-duty gears can be used with all V6 and V8 OMC sterndrives from 1978-1985 with mechanical shift (not 1978-1980 with hydraulic shift).

It is recommended that a new clutch GLM # 22625 (this clutch is not included with the gear set) be installed with the heavy-duty gears.

### GLM #22666 heavy-duty gears fit these OMC Sterndrive units:

3.8L/229CI	V6	1981-85
4.3L/262CI	V6	1985
5.0L/305CI	V8	1981-85
5.7L/350CI	V8	1981-85

### STRONGER

OEM gear sets are machined from 8620 forged steel. The GLM gear set is machined from a higher alloy forged steel. The stronger teeth and higher alloy steel results in a gear that is 50% stronger than any other comparable gear set. These durable gears are capable of operating with up to 300 horsepower.

### MORE DURABLE

The new GLM gear set has fewer, larger, and stronger teeth. The pinion gear has 12 teeth and the forward and reverse gears have 22 teeth. The original OEM gear set has 14 teeth on the pinion and 26 teeth on the forward and reverse gears.

### QUIETER

During the gear machining process, an additional pass is made over each tooth for a finer surface. This makes the gear operation especially quiet.

### IMPORTANT NOTE:

***The new heavy-duty GLM #22666 gears will not interchange with the standard gears. For individual gear replacement, you must use the standard duty GLM #22623 pinion and forward gears or the GLM #22624 reverse gear.***

\*For model year 1990 OMC increased the prop shaft diameter at the carrier needle bearing (not the prop splines) from 1-3/16 to 1-1/4 inches. Some older gearcases may be fitted with the new large diameter prop shaft. The large diameter prop shaft utilizes a thrust washer (included with this gear set) between the prop shaft and reverse gear. Discard the thrust washer when using the small diameter prop shaft.

# Stringer

## LOWER GEAR HOUSING GEARS - STANDARD

# STANDARD DUTY

## Replacement Gear Sets

These gearsets are an exact copy of the gears used in the V6 and V8 OMC Sterndrives from 1978-1985 with mechanical shift\* (not 1978-1980 with hydraulic shift).

\*Many 1978-1980 OMC hydraulic shift lower gearcases have been replaced with the 1981-85 mechanical shift lower gearcase. 1978-1980 hydraulic shift gear sets are still available, GLM #22620.



<b>COMPLETE GEAR SET</b> - Forward/Pinion/Reverse - 14/26 teeth - Comes with the GLM #22625 clutch	<b>GLM #22622</b>	OEM N/A
<b>FORWARD &amp; PINION SET</b> - May be used with OMC reverse gear - 14/26 teeth	<b>GLM #22623</b>	OEM #5004216
<b>REVERSE GEAR</b> - May be used with OMC forward and pinion gears - 26 teeth - Includes thrust washer #21651**	<b>GLM #22624</b>	OEM #910994
<b>CLUTCH</b>	<b>GLM #22625</b>	OEM #337774

\*\*For model year 1990 OMC increased the prop shaft diameter at the carrier needle bearing (not the prop splines) from 1-3/16 to 1-1/4 inches. Some older gearcases may be fitted with the new large diameter prop shaft. The large diameter prop shaft utilizes a thrust washer (included with this gear set) between the prop shaft and reverse gear. Discard the thrust washer when using the small diameter prop shaft.

**It is recommended that the above standard duty replacement gears be used only with V6 powered sterndrives listed below:**

3.8L/229CI V6 Chev. 1981-85  
4.3L/262CI V6 Chev. 1985

GLM recommends the heavy-duty gearset #22666 for all V8 powered sterndrives.

# Stringer

## LOWER GEAR HOUSING GEARS - 4 CYLINDER

# 4-CYLINDER GEARS

These gearsets are an exact copy of the gears used in the 4-Cylinder OMC Sterndrives from 1978-1985 with mechanical shift (not 1978-1980 with hydraulic shift).



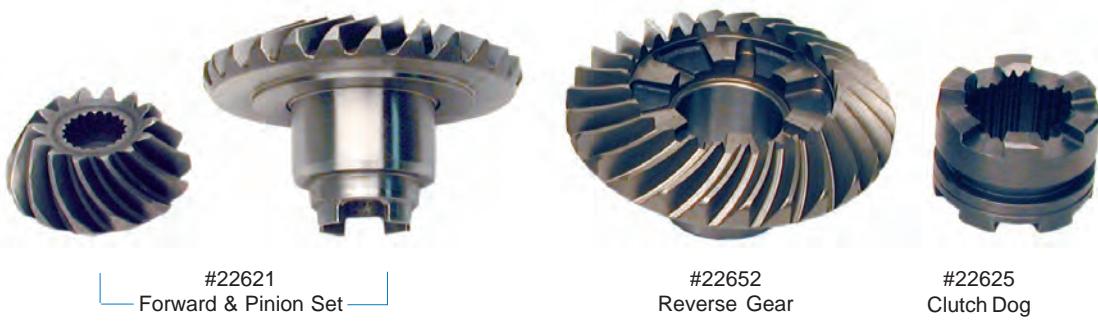
<b>COMPLETE GEAR SET</b> - Forward/Pinion/Reverse - 13/26 teeth - Comes with the GLM #22633 clutch	<b>GLM #22630</b>	OEM N/A
<b>FORWARD &amp; PINION SET</b> - May be used with OMC reverse gear - 13/26 teeth	<b>GLM #22631</b>	OEM #986979
<b>REVERSE GEAR</b> - May be used with OMC forward and pinion gears - 26 teeth	<b>GLM #22632</b>	OEM #345992
<b>CLUTCH</b>	<b>GLM #22633</b>	OEM #910578

# Stringer

## LOWER GEAR HOUSING GEARS - V6 MECHANICAL / HYDRAULIC SHIFT

# 6-CYLINDER GEARS

These gearsets are an exact copy of the gears used in the 6-Cylinder OMC Sterndrives from with mechanical or Hydraulic shift



#22621  
Forward & Pinion Set

#22652  
Reverse Gear

#22625  
Clutch Dog

<b>COMPLETE GEAR SET</b> - Forward/Pinion/Reverse - 14/26 teeth - Comes with the GLM #22625 clutch	<b>GLM #22620</b>	OEM N/A
<b>FORWARD &amp; PINION SET</b> - 14/26 teeth	<b>GLM #22621</b>	OEM #5004941
<b>REVERSE GEAR &amp; Clutch</b> - 26 teeth	<b>GLM #22652</b>	OEM #437297
<b>CLUTCH</b>	<b>GLM #22625</b>	OEM #337774, 914716, 915272

# Stringer

## LOWER GEAR HOUSING GEARS APPLICATION GUIDE

Model	Year	Lower Drive Shaft	Prop Shaft	Pinion/Fwd Gear Set	Reverse Gear	Clutch Dog	Complete Set w/ Clutch Dog
<b>HYDRAULIC SHIFT (1978-1980)</b>							
120/140	1978-1980	-	-	-	-	22633	-
185/225	1978-1980	22413	-	22621	22624	22625	22620
240/250 Ford	1978-1979	22413	-	22621	22624	22625	22620
200/230/260	1978-1980	22413	-	22621	22624	22625	22620
<b>MECHANICAL SHIFT (1981-1985)</b>							
120/2.5	1981-1985	-	-	22631	22632	22633	22630
140/3.0	1981-1985	-	-	22631	22632	22633	22630
3.8	1981-1985	22413	22414	22666*		22625	-
3.8	1981-1985	22413	22414	22623	22624	22625	22622
4.3	1985	22413	22414	22666*		22625	-
4.3	1985	22413	22414	22623	22624	22625	22622
200/230/260	1981	22413	22414	22666*		22625	-
5.0/5.7	1982-1985	22413	22414	22666*		22625	-

**\* Heavy Duty Gear Set**

For the 1978 model year the OMC stringer sterndrive was redesigned, the old electric shift lower gear housing was replaced with this new hydraulic shift assist, large diameter, V6 gear housing. The hydraulic shift assist lower gear housing did not prove to be reliable and was replaced with a mechanical shift lower gear housing on the 1979 and newer V6 outboards and the 1981 and newer OMC sterndrives. OMC made available to owners of 1978-1980 sterndrives a mechanical shift lower gear housing conversion kit for a very low price. This kit consisted of a complete lower gear housing, an ESA (electronic shift assist) box, ESA activation switch and two shift overstroke switches.

**It is the customer's responsibility to determine if a 1978-1980 OMC sterndrive has the original hydraulic shift assist lower gear housing or has been converted to the mechanical shift lower gear housing.**



# Stringer

## LOWER GEAR HOUSING SEAL KITS

### No. 87620

OEM: 981797

(1968-1977)  
with electric shift



### No. 87630

OEM: 982946

V6 & V8 (1978-1985)  
with mechanical shift



### No. 87640

OEM: 982947

4-Cyl. (1978-1985)  
with mechanical shift



## LOWER GEAR HOUSING COMPONENTS (1978-1985)

### No. 86040

OIL SEAL - SWIVEL BEARING  
RETAINER  
OEM: 310649



### No. 86050

OIL SEAL - SWIVEL BEARING  
RETAINER  
OEM: 313353



### No. 27780

SWIVEL BEARING  
RETAINER - V6 & V8  
OEM: 982439



### No. 86060

OIL SEAL (2)  
OEM: 321467



### No. 22362

SCREW  
OEM: 317624



### No. 22730

BEARING  
HOUSING  
& SEAL  
OEM: 982422



### No. 81380

O-RING  
OEM: 314728



### No. 23590

SHIM 0.003"  
OEM: 323362

### No. 23580

SHIM 0.004"  
OEM: 323361

### No. 23510

SHIM 0.005"  
OEM: 314745



### No. 21645

THRUST WASHER  
OEM: 327656



### No. 22413

DRIVE SHAFT - V6 & V8  
OEM: 982424



### No. 21610

PINION BEARING - V6 & V8  
OEM: 387817  
(Not Sold Separately)



### N/A

PINION BEARING - 4 CYL  
OEM: 379504  
DISCONTINUED



### No. 11190

NUT  
OEM: 314730



### No. 34720

GASKET - V6 & V8  
OEM: 910236



### No. 33730

GASKET - 4 CYL  
OEM: 910338



# Stringer

## PROP SHAFT PARTS - 4-CYL W/MECHANICAL SHIFT (1978-1985)

### No. 86030

OIL SEAL - PROP SHAFT (2)  
OEM: 330137



### N/A

BEARING - PROP SHAFT  
OEM: 379504  
DISCONTINUED



### N/A

PROP SHAFT  
OEM: 436888  
DISCONTINUED



### N/A

REVERSE GEAR -  
BEARING CARRIER  
OEM: 382407  
DISCONTINUED



### No. 21642

THRUST WASHER -  
REVERSE GEAR  
OEM: 314731



### No. 16300

THRUST BEARING -  
REVERSE GEAR  
OEM: 382408



### No. 82370

O-RING - CARRIER  
OEM: 313446



## PROP SHAFT PARTS - V6 & V8 W/MECHANICAL SHIFT (1978-1985)

### No. 85130

OIL SEAL - PROP SHAFT (2)  
OEM: 320862



### No. 11410

BEARING - PROP SHAFT  
OEM: 387247  
(Not Sold Separately)



### No. 22414

PROP SHAFT  
OEM: 395209



### N/A

REVERSE GEAR -  
BEARING CARRIER  
OEM: 382407  
DISCONTINUED



### No. 21642

THRUST WASHER -  
REVERSE GEAR  
OEM: 314731



### No. 16300

THRUST BEARING -  
REVERSE GEAR  
OEM: 382408



### No. 82400

O-RING - CARRIER  
OEM: 305123



# Stringer

## LOWER GEAR HOUSING - 4-CYL. W/MECHANICAL SHIFT (1978-1985)

**No. 11052**  
SPRING  
OEM: 324369



**No. 21135**  
CROSS PIN  
OEM: 313448



**No. 22633**  
CLUTCH DOG  
OEM: 910578



**No. 16310**  
THRUST BEARING -  
FORWARD GEAR  
OEM: 385043



**No. 21644**  
THRUST WASHER -  
FORWARD GEAR  
OEM: 324766



**No. 21135**  
PIN  
OEM: 313448



**No. 27741**  
LEVER  
OEM: 324037



**No. 27721**  
DETENT  
OEM: 910310



**No. 27710**  
SHAFT  
OEM: 322941



**No. 27730**  
CRADLE  
OEM: 982422



**No. 28483**  
SHAFT & BEARING HSG KIT  
OEM: N/A



**N/A**  
BEARING  
OEM: 382407  
DISCONTINUED



**No. 27702**  
HOUSING &  
BEARING ASSY  
OEM: 391365


# Stringer

## LOWER GEAR HOUSING - V6 & V8 W/MECHANICAL SHIFT (1978-1985)

**No. 11052**  
SPRING  
OEM: 324369



**No. 21135**  
CROSS PIN  
OEM: 313448



**No. 22625**  
CLUTCH DOG  
OEM: 337774



**No. 16340**  
THRUST BEARING -  
FORWARD GEAR  
OEM: 389042



**No. 21646**  
THRUST WASHER -  
FORWARD GEAR  
OEM: 327669



**No. 21137**  
PIN  
OEM: 328825



**No. 27740**  
LEVER  
OEM: 322938



**No. 27721**  
DETENT  
OEM: 910310



**No. 27710**  
SHAFT  
OEM: 322941



**No. 27730**  
CRADLE  
OEM: 982422



**No. 28480**  
SHAFT & BEARING HSG KIT  
OEM: N/A



**No. 22910**  
BEARING  
OEM: 389039



**No. 27700**  
HOUSING &  
BEARING ASSY  
OEM: 389455



# Stringer

## SHIFT PARTS

**No. 34690**

GASKET  
SHIFT HOUSING  
COVER  
OEM: 909604



**No. 33960**

GASKET  
SHIFT HOUSING  
OEM: 911878



**No. 27870**

RACK  
OEM: 910311



**No. 27880**

PIN  
OEM: 910539



**No. 22145**

COTTER PIN  
OEM: 306376



**No. 27890**

SHIFT ROD - V6 & V8  
OEM: 910309



## ELECTRIC SHIFT LOWER

**No. 22310**

PINION NUT  
OEM: 907866



Water Tube Grommets

**No. 86330**

UPPER  
GROMMET  
ALL  
OEM: 908594



**No. 86040**

OIL SEAL  
SWIVEL BEARING  
RETAINER  
OEM: 310649



**No. 86050**

OIL SEAL  
SWIVEL BEARING  
RETAINER (2)  
OEM: 313353



**No. 86320**

LOWER  
GROMMET  
4-CYL.  
OEM: 310597



**No. 86340**

LOWER  
GROMMET  
6 & 8-CYL.  
OEM: 909019



**No. 27782**

SWIVEL BEARING  
RETAINER  
OEM: 980014



Prop Shaft Oil Seals

**No. 85110**

OIL SEAL  
PROP SHAFT (2)  
OEM: 310599



**No. 33010**

GASKET  
OEM: 313368



## MISCELLANEOUS

**No. 22368**

SCREW  
OEM: 313715



**No. 31171**

GASKET  
OEM: 311598



**No. 21731**

SCREW SET  
OEM: 318544





# **Section 8**

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## **OMC Stringer Intermediate Housing Parts 1985 & Older**

<i>Intermediate Housing - Breakdown.....</i>	86-87
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# Stringer

## INTERMEDIATE HOUSING

Intermediate Gearcase  
Seal Kit - (1973-77)

No. 87652

See Section 8

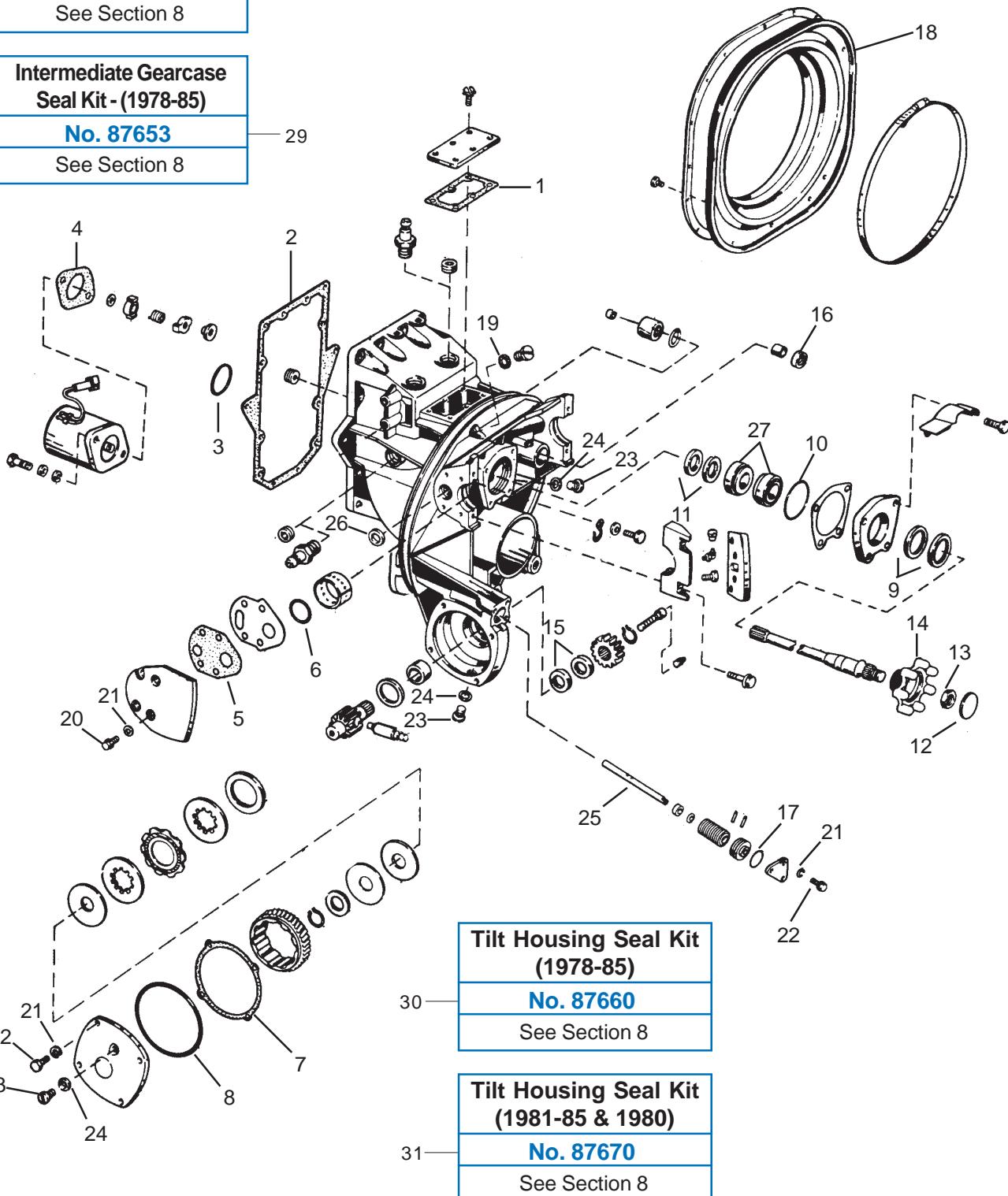
28

Intermediate Gearcase  
Seal Kit - (1978-85)

No. 87653

See Section 8

29



Tilt Housing Seal Kit  
(1978-85)

No. 87660

See Section 8

Tilt Housing Seal Kit  
(1981-85 & 1980)

No. 87670

See Section 8

# Stringer

## **INTERMEDIATE HOUSING**

<b>GLM No.</b>	<b>Ref No.</b>	<b>OEM No.</b>	<b>Description</b>
34760	1	313246	Gasket
33900	2	909515	Gasket
82260	3	302337	O-ring
33950	4	909902	Gasket
33470	5	909529	Gasket
81270	6	308626	O-ring
33060	7	308799	Gasket
81550	8	908194	O-ring
86010	9	981195	Oil Seal
81440	10	908383	O-ring
85010	11	313992	Oil Seal
22030	12	908062	Cover
22330	13	908064	Nut
22010	14	908063	Ball Gear
86060	15	321467	Oil Seal (1981 & Up, 2 Seals Used)
86070	15	911019	Oil Seal (1981 & Below, 1 Seal Used)
86590	16	908855	Oil Seal
82140	17	302540	O-ring
86700	18	313080	Plate Seal
86710	18	909527	Plate Seal
33050	19	315189	Gasket
22325	20	909533	Screw
21492	21	302290	Lockwasher
22327	22	909386	Screw
22420	23	307551	Screw
31171	24	311598	Gasket
22040	25	980183	Tilt Shaft
34750	26	313244	Gasket
21512	27	3854250	Bearing
87652	28	981801	Seal Kit (1973-1977)
87653	29	982948	Seal Kit (1978-1985)
87660	30	-	Tilt Housing Seal Kit (Before 1980)
87670	31	-	Tilt Housing Seal Kit (1981-1985 & 1980 K & U Suffix Models)

# Stringer

## INTERMEDIATE GEAR HOUSING SEAL KITS

**No. 87652**

OEM: 981801

For All Models  
(1973-1977)



**No. 87653**

OEM: 982948

For All Models  
(1978-1985)



# Stringer

## TIlt Housing Seal Kits

### No. 87660

OEM: N/A

STRINGER MOUNT  
Before 1980



Kit contains:

GLM	OEM	Item	Qty.
82140	302540	O-Ring	1
33060	308799	Gasket	1
31171	311598	Washer	2
81550	908194	O-Ring	1
86070	911019	Seal	1

### No. 87670

OEM: N/A

STRINGER MOUNT  
1981-1985 & 1980  
K & U Suffix Model



Kit contains:

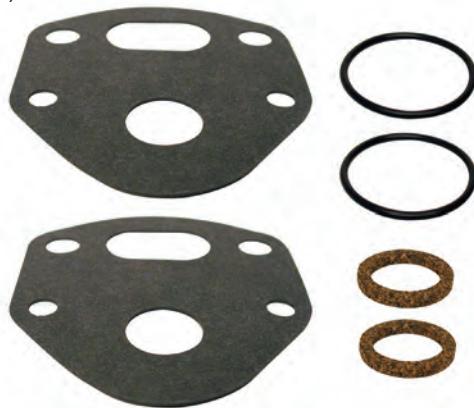
GLM	OEM	Item	Qty.
82140	302540	O-Ring	1
81550	908194	O-Ring	1
33060	308799	Gasket	1
31171	311598	Gasket	2
86060	321467	Seal	2

## Drive Installation Kits

### No. 34820

OEM: N/A

STRINGER MOUNT  
Electric Shift  
Stringer  
(1971-1977)



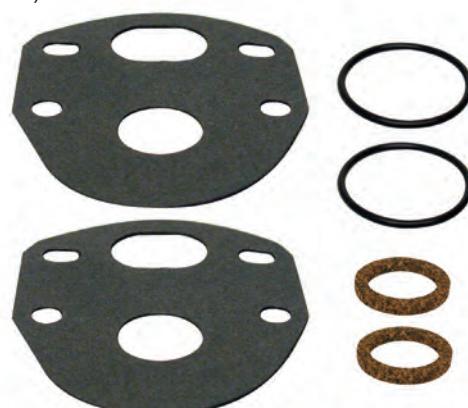
Kit contains:

GLM	OEM	Item	Qty.
33480	316499	Gasket	2
81270	308626	O-Ring	2
34750	313244	Gasket	2

### No. 34810

OEM: N/A

STRINGER MOUNT  
Mechanical Shift  
Stringer  
(1978-1985)



Kit contains:

GLM	OEM	Item	Qty.
33470	909529	Gasket	2
81270	308626	O-Ring	2
34750	313244	Gasket	2

# Stringer

## INTERMEDIATE HOUSING - TILT SHAFT

**No. 22040**

TILT WORM SHAFT  
OEM: 980183



**No. 82140**

O-RING  
TILT SHAFT COVER  
OEM: 302540



**No. 22327**

SCREW  
TILT SHAFT COVER  
OEM: 909386



**No. 34230**

GASKET  
TILT MOTOR  
OEM: 311508



(1967-1976)

**No. 33950**

GASKET  
TILT MOTOR  
OEM: 909902



(1980-1985)

**No. 21492**

LOCKWASHER  
OEM: 302290



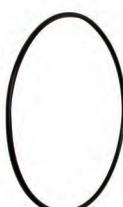
**No. 33060**

GASKET - TILT  
CLUTCH COVER  
OEM: 308799



**No. 81550**

O-RING - TILT  
CLUTCH COVER  
OEM: 908194



**No. 86070**

OIL SEAL - TILT  
CLUTCH SHAFT  
OEM: 911019



**No. 86060**

OIL SEAL - TILT  
CLUTCH SHAFT (2)  
OEM: 321467



(1971-1979)

(1980-1985)

## INTERMEDIATE HOUSING - DRIVE SHAFT ASSEMBLY

**No. 85010**

OIL SEAL  
SHAFT  
INNER  
OEM: 313992



**No. 21512**

BEARING  
SHAFT  
OEM: 3854250



**No. 86010**

OIL SEAL  
SHAFT  
OUTER  
OEM: 981195



**No. 81440**

O-RING  
BEARING  
RETAINER  
OEM: 908383



**No. 22010**

BALL GEAR  
INTERMEDIATE  
HOUSING.  
OEM: 908063



**No. 22330**

BALL GEAR  
NUT  
OEM: 908064



**No. 22030**

BALL GEAR  
COVER  
OEM: 908062



# Stringer

## INTERMEDIATE HOUSING PARTS

**No. 33470**

GASKET -  
SIDE COVER  
OEM: 909529

(1978-1985)



**No. 33480**

GASKET -  
SIDE COVER  
OEM: 316499

(1971-1977)



**No. 34750**

CORK SEAL -  
SIDE COVER  
OEM: 313244



**No. 81270**

O-RING -  
SIDE COVER  
OEM: 308626



**No. 21492**

SIDE COVER SCREW  
LOCKWASHER  
OEM: 302290



**No. 22325**

SCREW -  
SIDE COVER  
OEM: 909533

**No. 34760**

OIL RESERVOIR GASKET  
OEM: 313246



**No. 33900**

ENGINE BELL HOUSING GASKET  
OEM: 909515



**No. 86590**

STEERING SHAFT SEAL  
OEM: 908855



**No. 21731**

SCREW SET - FILL PLUG  
OEM: 318544



**No. 31171**

GASKET  
OEM: 311598



**No. 33050**

RUBBER GASKET - LARGE DRAIN PLUG  
OEM: 315189



**No. 82260**

O-RING - INTERMEDIATE HOUSING  
BELL HOUSING  
OEM: 315189



## TRANSOM SEALS

**No. 86700**

OEM: 313080

Electric Shift  
Stringer  
(1967-1977)



Has 16 Screw Holes

**No. 86710**

OEM: 909527

Mechanical Shift  
Stringer  
(1978-1986)



Has 22 Screw Holes



## **Section 9**

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### **OMC Cobra & Stringer Prop Hardware, Anodes, Tools**

<i>Prop Hardware (Cobra SX, Cobra &amp; Stringer).....</i>	94-95
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<i>Marine Service Tools .....</i>	97-98

# Cobra & Stringer

## PROP HARDWARE - 4-CYL (1978-1989) & 2.3L (1990)

**No. 22120**

COTTER PIN  
OEM: 314502



**No. 22150**

PROP NUT  
OEM: 314503



**No. 22250**

13 SPLINE WASHER  
OEM: 315810



**No. 22230**

THRUST WASHER  
OEM: 127084



**No. 22340**

KIT WITHOUT THRUST WASHER  
OEM: 175267



**No. 22235**

KIT WITH THRUST WASHER  
OEM: 5005034



## PROP HARDWARE - 4-CYL 3.0L (1990) & V6 / V8 (1978-1990)

**No. 22142**

COTTER PIN  
OEM: 3852056



**No. 22185**

PROP NUT, KEEPER & PIN  
OEM: 398042



**No. 22190**

15 SPLINE WASHER  
OEM: 320570



**No. 22220**

THRUST WASHER  
OEM: 333592



**No. 22185**

PROP NUT, KEEPER & PIN  
OEM: 398042



**No. 22200**

KIT WITHOUT THRUST WASHER  
OEM: 175266



**No. 22225**

KIT WITH THRUST WASHER  
OEM: 434153



# Cobra & Stringer

## PROP HARDWARE - ALL (1991-1993)

### No. 22142

COTTER PIN  
OEM: 3852056



### No. 22185

PROP NUT, KEEPER & PIN  
OEM: 398042

Comes with pin No. 22142



### No. 22190

15 SPLINE WASHER  
OEM: 320570



### No. 22221

THRUST WASHER  
OEM: 3852020



### No. 22185

PROP NUT, KEEPER & PIN  
OEM: 398042



### No. 22200

KIT WITHOUT THRUST WASHER  
OEM: 175266



### No. 22186

PROP WASHER KIT  
OEM: N/A  
(No. 22200 + 22221)



## PROP HARDWARE - ALL (1994-1998)

### No. 22142

COTTER PIN  
OEM: 3852056



### No. 22185

PROP NUT, KEEPER & PIN  
OEM: 398042

Comes with pin No. 22142



### No. 22252

19 SPLINE WASHER  
OEM: 3852350



### No. 22221

THRUST WASHER  
OEM: 3852020



### No. 22185

PROP NUT, KEEPER & PIN  
OEM: 398042



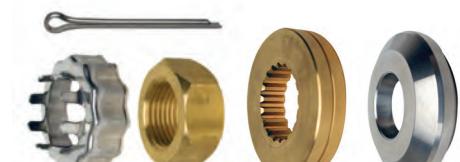
### No. 22188

KIT WITHOUT THRUST WASHER  
OEM: N/A  
(No. 22252 + 22185)



### No. 22189

PROP WASHER KIT  
OEM: N/A  
(No. 22188 + 22221)



# Cobra & Stringer

## ANODES

**No. 12892**

GEARCASE ANODE KIT  
OEM:N/A



Stringer (1978-1985)

**No. 12893**

GEARCASE ANODE KIT  
OEM: N/A



Cobra (1986-1993)

**No. 12773**

LOWER GEAR HOUSING  
ANODE  
OEM: 983494



Stringer (1984 & 1985)  
Cobra (1986)

**No. 12776**

LOWER GEAR HOUSING  
ANODE  
OEM: 436745



Stringer (1982-1985)  
Cobra, except 460 (1986-1993)

**No. 12737**

PROP SHAFT CARRIER  
ANODE  
OEM: 431708



Cobra (1986-1993)

**No. 12774**

LOWER GEAR HOUSING  
ANODE  
OEM: 3853818



Cobra (1987-1994)

**No. 12683**

LOWER GEAR HOUSING  
ANODE  
OEM: 397768



460 Cobra (1987-1989)

**No. 12772**

TRANSOM ASSEMBLY  
ANODE  
OEM: 982438



Stringer (1975-1985)

**No. 12775**

TRANSOM ASSEMBLY  
ANODE  
OEM: 984547



Cobra (1986-1989)

**No. 12698**

TRANSOM ASSEMBLY  
ANODE  
OEM: 3853930



Cobra (1990-1993)

**No. 12699**

TRANSOM ASSEMBLY  
ANODE  
OEM: 3854130



Cobra (1994-1998)

**No. 12682**

UPPER GEAR HOUSING  
ANODE  
OEM: 3854061



King Cobra (1990-1995)

**No. 12681**

PROP SHAFT CARRIER  
ANODE  
OEM: 3852970



Cobra (1994-1998)  
King Cobra (1990-1995)

# Cobra & Stringer

## PROP WRENCHES

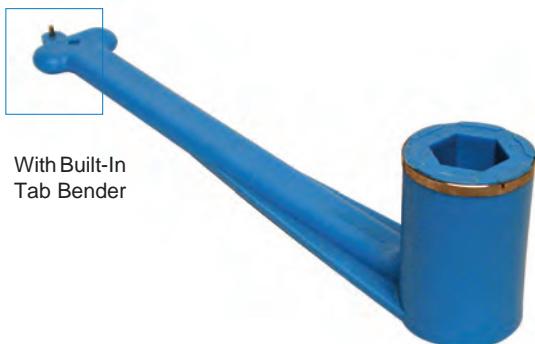
**No. 90061**

PROP WRENCH

OEM: 91-859046M4

**1-1/16"**

Color Coded:  
**Blue**



With Built-In  
Tab Bender

**No. 90062**

PROP WRENCH

OEM: 91-859046M3

**15/16"**

Color Coded:  
**Red**



**No. 90063**

PROP WRENCH

OEM: 91-859046M2

**13/16"**

Color Coded:  
**Yellow**



**No. 90064**

PROP WRENCH

OEM: 91-859046M1

**9/16"**

Color Coded:  
**Purple**



## MARINE SERVICE TOOLS

**No. 90150**

UNIVERSAL PULLER PLATE

OEM: 91-37241



Pulls gears & bearings.

**No. 90095**

PROP & BEARING CARRIER PULLER

OEM: N/A



TOES IN  
For prop & old  
style bearing  
carrier.



TOES OUT  
For new style  
bearing carrier.



Capacity:  
5 Tons (min)

For All Style Bearing Carrier and Most Prop.

# Cobra & Stringer

## MARINE SERVICE TOOLS

### No. 90520

SHIFT CABLE ADJUSTMENT TOOL KIT  
OEM: 914017 + 915271

Kit contains:

GLM	OEM	Item	Qty.
90500	914017	Bellcrank Alignment Plate	1
90510	915271	Shift Cable Tool	1



NEW

### No. 90500

BELLCRANK  
ALIGNMENT PLATE  
OEM: 914017



### No. 90530

HEIGHT GAUGE  
FOR SHIFT ROD  
OEM: 912277



NEW

### No. 90340

PINION NUT ADAPTOR KIT  
OEM: N/A

GLM design to hold 5/8" pinion nut when removing pinion gear and drive shaft on OMC sterndrive and O/B comes with No. 90350



### No. 90460

SPANNER WRENCH  
OEM: 912272



NEW

### No. 90350

DRIVE SHAFT ADAPTER  
OEM: 314438



### No. 90330

DRIVESHAFT  
SHIMMING TOOL  
OEM: N/A

GLM design one piece vertical shimming tool for most OMC sterndrive and V6 outboard



### No. 90050

ENGINE ALIGNMENT TOOL  
OEM: 912273



Aligns engine and drive unit during installation

### No. 90480

DRIVE SHAFT ADAPTER  
OEM: 311875



Tightens & loosens pinion nut on OMC Stringer

# **Section 10**

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## **OMC & Volvo Penta Cooling System**

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# OMC & Volvo Penta

## SEA WATER PUMP - COBRA SX (1994 & Up)

**No. 89540**

OEM: 875811  
3862281,  
3862567



**No. 89310**

OEM: 21213664



**No. 89610**

OEM: 835512, 3854286



## SEA WATER PUMP - COBRA (1986-1993)

**No. 12092**

COMPLETE WATER PUMP KIT  
OEM: N/A



**No. 12091**

WATER PUMP SERVICE KIT  
OEM: 984461



### Sea Water Pump Kit Components

**No. 22385**

SCREW  
OEM: 912238



**No. 47010**

VENT HOSE WATER PUMP ADAPTER  
OEM: 912614

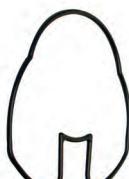
**No. 12405**

PUMPHOUSING  
OEM: 984744



**No. 86630**

SEAL  
OEM: 911704



**No. 12391**

WATER PUMP  
LINER  
OEM: 911844



**No. 89950**

IMPELLER  
OEM: 777128



**No. 12760**

WEAR PLATE  
OEM: 911703



**No. 34770**

GASKET  
OEM: 911702



**No. 27900**

WATER PUMPADAPTER  
OEM: 911699



**No. 86610**

OIL SEAL  
OEM: 916058



**No. 81280**

O-RING  
OEM: 909316



**No. 82430**

O-RING  
OEM: 911700



**No. 34771**

GASKET  
OEM: 911698



# OMC & Volvo Penta

## SEA WATER PUMP - STRINGER (1985 & Below)

### No. 12190

COMPLETE WATER  
PUMPKIT  
OEM: 983218



**Kit Contains:**

GLM	OEM	ITEM
82100	310584	O-Ring
81160	310585	O-Ring
12590	313178	Pump Plate
80220	314491	O-Ring
89760	379475	Impeller
86100	907774	Seal
82520	910238	O-Ring
12390	983298	Pump Housing

100-260 Sterndrives  
(1962-1985)

### No. 12191

IMPELLER REPAIR KIT  
OEM: N/A



**Kit Contains:**

GLM	OEM	ITEM
82100	310584	O-Ring
81160	310585	O-Ring
12590	313178	Pump Plate
80220	314491	O-Ring
89760	379475	Impeller
86100	907774	Seal
82520	910238	O-Ring

100-260 Sterndrives  
(1962-1985)

### Sea Water Pump Kit Components

#### No. 86100

DRIVE SHAFT SEAL  
OEM: 907774



#### No. 12390

WATER PUMP HOUSING  
OEM: 983298



#### No. 82520

WATER PUMP O-RING  
OEM: 308928



#### No. 89760

IMPELLER  
OEM: 777130



#### No. 12590

WATER PUMP PLATE  
OEM: 313176



#### No. 22410

OEM: 909753  
Low Profile Shaft  
(1973-1985)



#### No. 22411

OEM: 908087  
High Profile Shaft  
(1973-1977)



#### No. 89595

KEY  
OEM: 308928



#### No. 80220

O-RING  
OEM: 314491



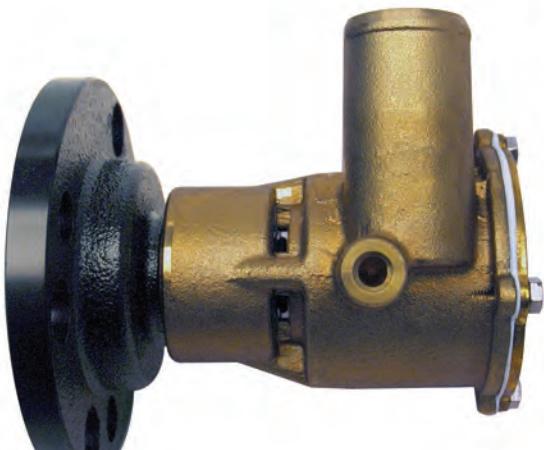
# OMC & Volvo Penta

## SEA WATER PUMP - VOLVO AQ

### Gasoline Engines

**No. 15120**

OEM: 857451



**NEW**

**No. 89623**

OEM: 21951348



**NEW**

Volvo AQ (For No. 15120)

**No. 89310**

OEM: 21213664



**No. 89520**

OEM: 875808

Jabsco  
673-0001  
Johnson  
09-1026B



**No. 89530**

OEM: 875575

Jabsco  
4568-0001  
Johnson  
09-801B



**No. 89540**

OEM: 875811,

3862281,3862567  
Jabsco 1210-0001  
Johnson 09-1027B



**No. 89620**

OEM: N/A  
Includes:  
No. 89610



**No. 89610**

OEM: 835512, 3854286



**No. 89621**

OEM: N/A  
Includes:  
No. 89611



**No. 89611**

OEM: 835874



### Diesel Engines

**No. 89510**

OEM: 875807  
Jabsco 863-0001  
Johnson 09-806B



**No. 89513**

OEM: 875583



**No. 89550**

OEM: 875593  
Jabsco 920-0001  
Johnson 09-1028B



**No. 89560**

OEM: 875660  
Jabsco 836-0001  
Johnson 09-1029B



### Sea Water Pump Drives

**No. 12850**

OEM: 831009, 806256



AQ120, 120B, 125, 130, 131, 140A, 145,  
151, 165, 170, 171, 230A, 250A, 251A  
MD3B, 17C, D; MD 21A, MD 21B

**No. 12851**

OEM: 829433



MD 30A, MD 40A

**No. 12852**

OEM: 858467



MD 31, MD 41



MD 30A, MD 40A  
Pumps with 6 screws on cover

# OMC & Volvo Penta

## RECIRCULATING WATER PUMPS

### New GLM Water Pump Features:

- Machined brass impeller, bi-directional and balanced
- Stainless steel seal cup and spring
- Stainless banded ceramic seal seat
- Stainless steel backing plate
- Epoxy painted pump housing

#### No. 15100

OEM: 986779, 3854017

Chevrolet L4 & L-6 Cyl.  
Inline Marine Engines

153 CID-2.5L  
181 CID-3.0L  
250 CID-4.0L



#### No. 15201

OEM: 3853850

**NEW STYLE**

Chevrolet V6 & V8  
Small Block Marine Engine

229 CID-3.8L  
262 CID-4.3L  
305 CID-5.0L  
350 CID-5.7L



Fits Both Metal & Composite  
Timing Chain Cover

#### No. 15301

OEM: 3855991

**NEW STYLE**

Chevrolet V8  
Big Block Marine Engine

454 CID-7.4L  
502 CID-8.2L



Fits Both Tin & Aluminum  
Timing Chain Cover

## RECIRCULATING WATER PUMP GASKETS

#### No. 39750

OEM: N/A



Ford 302 & 351

#### No. 31900

OEM: N/A



Ford 302-351

#### No. 31350

OEM: N/A



L4 & L6 Cyl. Inline Chevy  
(For No. 15100)

#### No. 32690

OEM: N/A



454-502 Chevy  
(For No. 15301)

#### No. 30231

OEM: N/A



V6, 305-350 Chevy  
(For No. 15201)

#### No. 31380

OEM: N/A



V6, 305-350 Chevy  
(For No. 15201)

#### No. 31770

OEM: N/A



454-502 Chevy  
(For No. 15301)

# OMC & Volvo Penta

## THERMOSTATS & KITS

<p><b>No. 13020</b> THERMOSTAT OEM: 3853983</p> <p>140°</p> <p><b>NEW</b></p>  <p>See Quick Reference Guide for Specific Models</p>	<p><b>No. 13028</b> THERMOSTAT KIT OEM: N/A</p> <p>140°</p> <p><b>NEW</b></p> <p><b>Kit Contains:</b></p> <ul style="list-style-type: none"> <li>13020 Thermostat</li> <li>31560 Gasket</li> <li>82200 O-Ring</li> </ul>  <p>7.4 - 8.1</p>
<p><b>No. 13030</b> OEM: 876305</p> <p>140°</p>  <p>(1993 &amp; Before)</p>	<p><b>No. 13381</b> OEM: 876305, 875794</p> <p>140°</p> <p><b>Kit Contains:</b></p> <ul style="list-style-type: none"> <li>13030 Thermostat</li> <li>35060 Gasket</li> <li>35160 Gasket</li> <li>35170 Gasket</li> <li>82200 O-ring</li> </ul>  <p>(1993 &amp; Before)</p>
<p><b>No. 13022</b> THERMOSTAT OEM: 3587597</p> <p>150°</p> <p><b>NEW</b></p>  <p>See Quick Reference Guide for Specific Models</p>	<p><b>No. 13025</b> THERMOSTAT KIT OEM: N/A</p> <p>150°</p> <p><b>NEW</b></p> <p><b>Kit Contains:</b></p> <ul style="list-style-type: none"> <li>13022 Thermostat</li> <li>31560 Gasket</li> <li>82200 O-Ring</li> </ul>  <p>4.3, 5.0 &amp; 5.7</p>

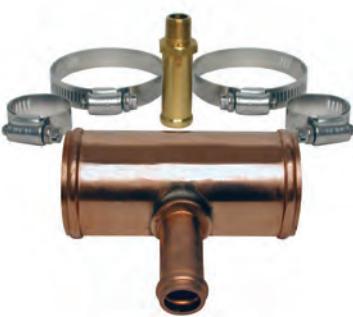
# OMC & Volvo Penta

## THERMOSTATS & KITS

<p><b>No. 13070</b> THERMOSTAT OEM: 3853799</p>  <p>All OMC and Volvo 4-Cyl. Chevy (1980 &amp; Up)</p>	<p><b>No. 13440</b> THERMOSTATKIT OEM: N/A</p> <p>KIT CONTAINS: 13070 Thermostat 33440 Gasket 34260 Gasket</p>  <p>All OMC and Volvo 4-Cyl. Chevy (1980 &amp; Up)</p>	<p><b>No. 13441</b> THERMOSTATKIT OEM: N/A</p> <p><b>NEW</b></p>  <p>KIT CONTAINS: 13070 Thermostat 82180 O-ring</p>
<p><b>No. 13060</b> THERMOSTAT OEM: 383307</p>  <p>All OMC (Up to 1993) (except the 1980 and newer 4-Cyl. Chevy)</p>	<p><b>No. 13430</b> THERMOSTATKIT OEM: N/A</p> <p>KIT CONTAINS: 13060 Thermostat 33440 Gasket 34260 Gasket 35060 Gasket 82200 O-Ring</p>  <p>All OMC (Up to 1993) (except the 1980 and newer 4-cyl. Chevy)</p>	<p>160°</p>
<p><b>No. 13060</b> THERMOSTAT OEM: 383307, 3856961</p>  <p>All OMC and Volvo (1994 &amp; Up) (except the 4-Cyl. Chevy)</p>	<p><b>No. 13065</b> THERMOSTATKIT OEM: N/A</p> <p><b>NEW</b></p> <p>KIT CONTAINS: 13060 Thermostat 82200 O-Ring 82290 O-Ring</p> 	<p>160°</p> <p><b>No. 13431</b> THERMOSTATKIT OEM: N/A</p> <p>KIT CONTAINS: 13060 Thermostat 31560 Gasket 82200 O-Ring</p>  <p>All OMC and Volvo (1994 &amp; Up) (except the 4-cyl. Chevy)</p>
<p><b>No. 13041</b> THERMOSTAT OEM: 3831426</p> <p><b>NEW</b></p> 	<p><b>No. 13045</b> THERMOSTATKIT OEM: N/A</p> <p>KIT CONTAINS: 13041 Thermostat 31560 Gasket</p> 	<p>160°</p> <p><b>NEW</b></p>

# OMC & Volvo Penta

## THERMOSTAT GASKETS & HOUSING

<b>No. 33440</b> OEM: 314809, 3852127	<b>No. 34260</b> OEM: 313416, 3852120	<b>No. 33840</b> OEM: 310913	<b>No. 35160</b> OEM: 835581	<b>No. 35170</b> OEM: 856004
 			 	
For L4 & L6 Inline Chevy				
<b>No. 30500</b> THERMOSTAT HOUSING TO INTAKE MANIFOLD GASKET	<b>No. 35070</b> THERMOSTAT HOUSING TO INTAKE MANIFOLD GASKET OEM: 835645	<b>No. 35060</b> THERMOSTAT HOUSING TO INTAKE MANIFOLD GASKET OEM: 835417, 312797, 3701777GM	<b>No. 31560</b> THERMOSTAT HOUSING TO INTAKE MANIFOLD GASKET OEM: 3852111	
 				with Brass Rivets
For Ford 302/351				
<b>No. 31340</b> THERMOSTAT HOUSING TO CYLINDER HEAD OEM: 311069, 3789161GM	<b>No. 82180</b> O-RING OEM: 3856537	<b>No. 82200</b> O-RING OEM: 3852071, 307239	<b>No. 82240</b> O-RING OEM: 983944, 302588	
				
For L4 & L6 Inline Chevy				
THERMOSTAT HOUSING		WATER HEATER / CABIN HEATER FITTING KIT		
<b>No. 22600</b> OEM: 986292, 987716, 3850360		<b>No. 22601</b> OEM: 3856265		
				
Fits Chevy V6 & V8 (1979 & Up)		Fits: 4.3L, 4.3HO, 5.0L, 5.0L EFI, 5.0HO, 5.7L, 5.7LE, 5.8L, 5.8L EFI, 5.8L KING EFI, Model 350, 351, 351 King EFI, 454, 454HO, 502 OMC King Cobra.		

# Section 11

## OMC & Volvo Penta Internal Exhaust Hose, Exhaust Gaskets & Flapper Valves

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**Volvo Penta**  
**Barr/Indmar/Marine Power**

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# OMC & Volvo Penta

## EXHAUST MANIFOLD GASKET KITS

### No. 39910

OEM: N/A



Chevy V8 5.0L/305CI, 5.7L/350CI  
OMC (1977-1998), Volvo (1994 & Up)

### No. 39775

OEM: N/A



Chevy V8 5.0L/305CI, 5.7L/350CI  
Volvo (1993 & Below)

### No. 39773

OEM: N/A



Chevy V6 4.3L/262CI  
OMC (1991-1998), Volvo (1992 & Up)

### No. 39774

OEM: N/A



Chevy V6 4.3L/262CI  
Volvo (1991 & Below)

### No. 39940

OEM: N/A



Chevy V8 7.4L/454CI, 8.2L/502CI  
OMC & Volvo (1990 & Up)

### No. 39800

OEM: N/A



Ford V8 7.5L/460CI  
OMC (1987-1990)

### No. 39920

OEM: N/A



Ford V8 5.0L/302CI, 5.8L/351CI  
OMC (1977-1996), Volvo (1994-1996)

### No. 39776

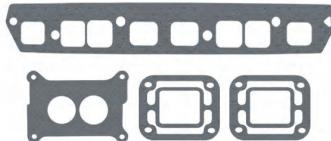
OEM: N/A



Ford 4-Cyl., 2.3L  
OMC (1987-1990)

### No. 39771

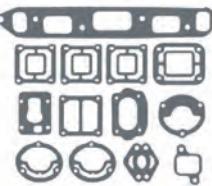
OEM: N/A



Chevy 4-Cyl., 3.0L/181CI  
OMC (1990-1998), Volvo (1993 & Up)

### No. 39780

OEM: N/A

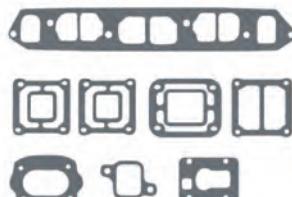


Chevy 4-Cyl., 2.5L/153CI/100HP/120HP  
OMC (1965-1985)

### No. 39770

OEM: N/A

Includes 33570  
gasket

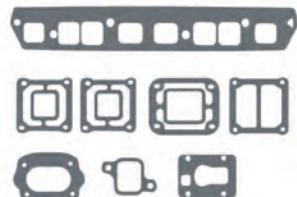


Chevy 4-Cyl., 2.5L/153CI/120HP, 3.0L/181CI/140HP  
OMC (1985-1990)

### No. 39790

OEM: N/A

Includes 31570  
gasket



Chevy 4-Cyl., 3.0L/181CI/140HP  
OMC (1973-1984)

# OMC & Volvo Penta

## EXHAUST MANIFOLD GASKETS

### No. 31100

OEM: 856034, 3852468



Chevy 305 5.0L  
& 350 5.7L

### No. 31101

OEM: BARR STYLE  
CHV-47-0000



Chevy 305/350

### No. 32170

OEM: 856116, 3853412



Chevy V6 229 3.8L  
& 262 4.3L

### No. 33760

OEM: 3852472



Chevy V8 454-7.4L

### No. 33790

OEM: 3852455



Ford 302 5.0L  
& 351 5.8L

### No. 31710

OEM: 912405



Ford 460 7.5L

### No. 33780

OEM: 913393



Ford 140-2.3L

### No. 31440

OEM: 907932



Chevy Inline L6  
250CI/165HP

### No. 31550

OEM: 311068



Chevy 4-Cyl.  
153CI/2.5L/120HP

### No. 31570

OEM: 908079  
Large Port



Chevy 4-Cyl.  
181CI/3.0L/140HP

### No. 33570

OEM: 912164  
Large Port



Chevy 4-Cyl.  
153-2.5L/181-3.0L

### No. 33580

OEM: 3853256  
Small Port



Volvo & OMC 3.0 HO (1991 & Up)  
Chevy 181 3.0L

# OMC & Volvo Penta

## OMC EXHAUST GASKETS

<b>No. 33810</b> GASKET - MANIFOLD TO RISER OEM: 3850495	<b>No. 33820</b> GASKET - MANIFOLD TO RISER OEM: 910113	<b>No. 33030</b> GASKET - MANIFOLD TO RISER OEM: 912477	<b>No. 33770</b> MANIFOLD TO RISER OEM: 3850495	<b>No. 33330</b> FRONT END CAP OEM: 311121	<b>No. 32580</b> REAR END CAP OEM: 907761
 V6 & V8 (1977-1998)	 V6 3.8L	 4-Cyl. 2.3L			

## VOLVO EXHAUST GASKETS

<b>No. 35080</b> GASKET - MANIFOLD TO RISER OEM: 857618	<b>No. 33810</b> GASKET - MANIFOLD TO RISER OEM: 909786, 3850496	<b>No. 33770</b> GASKET - MANIFOLD TO RISER OEM: 3850495
 AQ V6/V8 (1993 & Before)	 V6 & V8 SX (1994 & Up)	 Chevy 3.0L/181CI
<b>No. 37100</b> GASKET - MANIFOLD TO ENGINE OEM: 855967 (4)	<b>No. 35030</b> GASKET - MANIFOLD END CAP OEM: 856036	<b>No. 35040</b> GASKET - REAR EXHAUST OUTLET OEM: 831480
 4-Cyl. SOHC Engines AQ 120, 125, 131, 140, 145, 151, 230, 250		 Inline L6 AQ165, AQ170

# OMC & Volvo Penta

## INTERNAL EXHAUST HOSE

### Upper Exhaust Hoses

#### No. 89220

EXHAUST HOSE - UPPER  
OEM: 912374

3-1/2" x 4-1/2"



5.0/5.8 Ford (1989-1990),  
5.7 (1986 late models)  
5.7 (1987-1988), 7.5 460 (1987)

#### No. 89227

EXHAUST HOSE - UPPER  
OEM: 834751

3-3/4" x 3-3/4"



V6 AQ175, AQ205, AQ430A/B,  
AQ432 & AQ434 (1993 & Before),  
5.0/5.7L 305/350 V8 (1993 & Before)

#### No. 89224

EXHAUST HOSE - UPPER  
OEM: 3852696

4" x 4"



4.3 (1991), 5.0/5.8 Ford (1991),  
5.7LE (1990-1991), 7.5 460 (1988-1989),  
All "Cone Clutch" (1990-1991)

### Lower Exhaust Hoses

#### No. 89222

EXHAUST HOSE - LOWER  
OEM: 3852741

3-1/2" x 3-1/2"



2.5 (1986), 3.0 (1986-1991),  
2.3 (1989-1990), 4.3 (1990-1991),  
5.0/5.8 Ford (1991), 5.7 (1986 early model)

#### No. 89230

EXHAUST HOSE - LOWER  
OEM: 3852742

3-1/2" x 3-1/2"



2.3 (1987-1988), 4.3 (1987-1989),  
5.0/5.8 Ford (1989-1990), 5.7 (1986 late model),  
5.7 (1987-1991), All "Cone Clutch" (1990-1991),  
350/454/454HO/460 King 5.7LE (1990-1991)

## EXHAUST FLAPPER VALVES

#### No. 89240

3 INCH  
OEM: 34765A1  
(with Clamps)



3 Inch

#### No. 89250

4 INCH  
OEM: 12644A1  
(with Clamps)



4 Inch

#### No. 89260

5 & 6 INCH  
OEM: N/A  
(with Clamps)



5 & 6 Inch



# Section 12

## OMC & Volvo Penta Fuel Pumps, Filters & Carburetor Parts

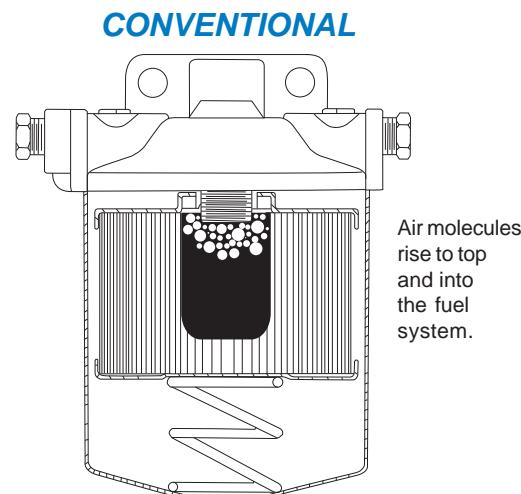
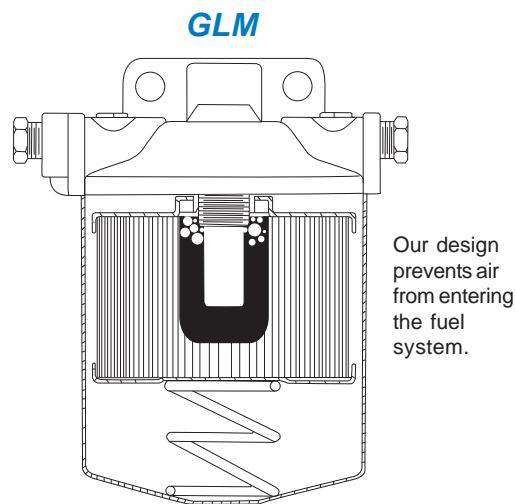
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## ELIMINATE FUEL STARVATION WITH GLM'S LOW PICK-UP WATER/FUEL SEPARATOR MOUNTING BRACKET

Engine compartment temperatures can soar on hot summer days creating high gasoline temperatures. High temps and agitation caused by rough seas can aerate the gasoline in the water/fuel separator filter turning it into foam. A fuel pump can't pull aerated gasoline from the water/fuel separator and deliver it to the carburetor or fuel rail efficiently. The engine will show signs of gasoline starvation (lean) at high speeds, a situation very similar to vapor lock.

Because this aerated gasoline rises to the top of the water/fuel separating filter, GLM has introduced a filter mounting bracket with a fuel pick-up extending deeper into the filter. Through extensive research and testing the GLM engineers have found the optimum location for the fuel pick-up. The deeper location is low enough to be free of aerated gasoline but high enough to be free of the water in the bottom of the separator.

The deeper fuel pick-up is only found on the new GLM water/fuel separator mounting bracket kits. It might solve some of those mysterious fuel delivery problems your engine may be experiencing!



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\*For trouble free boating always remember to replace your water/fuel separating filter after every 50 hours of engine operation!

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# OMC & Volvo Penta

## HOW TO CHOOSE THE CORRECT WATER/FUEL SEPARATOR

Water/Fuel Separators are categorized by their capacity to filter different sized dirt particles. Rated in Microns, (each micron is one millionth of an inch in diameter) marine filters will normally be available with elements capable of filtering 2 micron particles, 10 micron particles, or 28 micron particles. A marine filter capable of filtering 2 micron particles will clean the fuel more efficiently than a 28 micron filter but will be more restrictive to fuel flow. The 2 micron filter will also become dirty sooner and will need replacement more often.

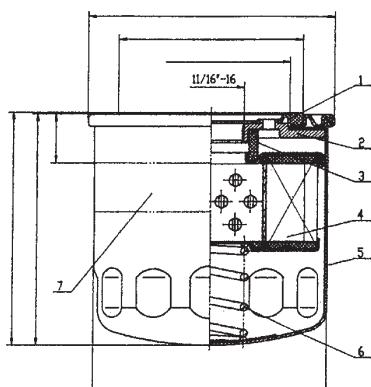
Fuel flow is rated in Gallons Per Hour (GPH). A typical 350/5.7L inboard engine will require 27 GPH at 4,800 rpm, a 454/7.4L inboard engine will require 37 GPH at 4,800 rpm. Selecting a fuel/water separating filter should be based on the amount of fuel the engine requires in GPH at wide open throttle.

A 2 micron fuel filter is generally too restrictive for the average four stroke inboard engine and may separate the

oil from the fuel in two stroke outboard engines. For this reason GLM sells only the 10 and 28 micron fuel filters.

The 28 micron filter is the most common size fuel filter in the marine industry and is the standard replacement filter for all two stroke and four stroke marine engines. The GLM 28 micron filter exceeds all engine manufacturers' specifications for particulate filtering, water separating and fuel flow.

The GLM 10 micron filter will provide exceptional filtering and only moderate fuel pressure loss. When used with sufficient sized fuel lines it will flow enough fuel for inboard engines up to 550 horsepower. It will **not** separate the oil from the gasoline on a two stroke outboard equipped boat. Because a 10 micron filter clogs faster than a 28 micron filter GLM recommends replacing the water/fuel separator filter at regular intervals.



### GLM Fuel Filter Features

- \* 28 or 10 micron filter paper shaped into 70 pleats total 327 sq. in. filtration. The largest filtering capability in the aftermarket. (4)
- \* BWG #11 heavy duty spring (6).
- \* Gasoline resistant rubber seals (1) (3).
- \* Oxidizing treatment inside powder coated outside for corrosion protection (5).
- \* Minimum 196N.m. torque strength between adapt plate and canister (2).
- \* Will not separate 2 cycle oil from gasoline!

SUS316 STAINLESS STEEL BRACKETS	TRANSLUCENT RED STAINLESS STEEL BRACKETS	DIE CAST ALUMINUM BRACKETS			
<b>No. 25010</b> w/ 2 brass plugs (No. 21887) and 2 extension tubes  1/4" NPTF Ports (2 inputs & 2 outputs)	<b>No. 25030</b> w/ 2 brass plugs (No. 21884) and 2 extension tubes  3/8" NPTF Ports (2 inputs & 2 outputs)	<b>No. 25011</b> w/ 2 brass plugs (No. 21887) and 2 extension tubes  1/4" NPTF Ports (2 inputs & 2 outputs)	<b>No. 25031</b> w/ 2 brass plugs (No. 21884) and 2 extension tubes  3/8" NPTF Ports (2 inputs & 2 outputs)	<b>No. 25000</b> w/ 2 brass plugs (No. 21887) and 2 extension tubes  1/4" NPTF Ports (2 inputs & 2 outputs)	<b>No. 25020</b> w/ 2 brass plugs (No. 21884) and 2 extension tubes  3/8" NPTF Ports (2 inputs & 2 outputs)
<b>No. 24942</b> WATER SEPARATOR FUEL FILTER OEM: N/A  10 micron Height 4-7/16"	<b>No. 24940</b> WATER SEPARATOR FUEL FILTER OEM: N/A  28 micron Height 4-7/16"	<b>No. 24941</b> WATER SEPARATOR FUEL FILTER OEM: N/A  28 micron Height 3-3/4"	<b>No. 24930</b> WATER SEPARATOR FUEL FILTER OEM: OMC 502905  28 micron Height 4-7/16"		

# OMC & Volvo Penta

## WATER SEPARATING FUEL FILTER KITS

### With Stainless Steel Bracket

#### No. 24956

(24940+25010)

OEM: N/A

28 Micron

$\varnothing$  1/4" NPTF Ports

Flow: 50 GPH

w/ 2 brass plugs (No. 21887)  
and 2 extension tubes



#### No. 24958

(24940+25030)

OEM: N/A

28 Micron

$\varnothing$  3/8" NPTF Ports

Flow: 75 GPH

w/ 2 brass plugs (No. 21884)  
and 2 extension tubes



#### No. 24957

(24942+25010)

OEM: N/A

10 Micron

$\varnothing$  1/4" NPTF Ports

Flow: 50 GPH

w/ 2 brass plugs (No. 21887)  
and 2 extension tubes



#### No. 24959

(24942+25030)

OEM: N/A

10 Micron

$\varnothing$  3/8" NPTF Ports

Flow: 75 GPH

w/ 2 brass plugs (No. 21884)  
and 2 extension tubes



### With NEW! Translucent Red Stainless Steel Bracket

#### No. 24960

(24940+25011)

OEM: N/A

28 Micron

$\varnothing$  1/4" NPTF Ports

Flow: 50 GPH

w/ 2 brass plugs (No. 21887)  
and 2 extension tubes



#### No. 24962

(24940+25031)

OEM: N/A

28 Micron

$\varnothing$  3/8" NPTF Ports

Flow: 75 GPH

w/ 2 brass plugs (No. 21884)  
and 2 extension tubes



### With Die Cast Aluminum Bracket

#### No. 24950

(24940+25000)

4-7/16" Filter Height

#### No. 24951

(24941+25000)

3-3/4" Filter Height

$\varnothing$  1/4" NPTF Ports

Flow: 50 GPH

w/ 2 brass plugs (No. 21887) and 2 extension tubes



#### No. 24953

(24940+25020)

OEM: N/A

28 Micron

$\varnothing$  3/8" NPTF Ports

Flow: 75 GPH

w/ 2 brass plugs (No. 21884)  
and 2 extension tubes



#### No. 24952

(24942+25000)

OEM: N/A

10 Micron

$\varnothing$  1/4" NPTF Ports

Flow: 50 GPH

w/ 2 brass plugs (No. 21887)  
and 2 extension tubes



#### No. 24954

(24942+25020)

OEM: N/A

10 Micron

$\varnothing$  3/8" NPTF Ports

Flow: 75 GPH

w/ 2 brass plugs (No. 21884)  
and 2 extension tubes



# OMC & Volvo Penta

## FUEL FILTERS & KITS

**No. 24841**

CARB FUEL FILTER  
WITH GASKETS  
OEM: 908034



**No. 24980**

CARB FUEL FILTER  
OEM: 983870



**No. 24970**

CARB FUEL FILTER  
OEM: 984491



**No. 24850**

FUEL PUMP FILTER KIT  
OEM: 509263



**No. 24900**

WATER/FUEL SEPARATOR  
CANNISTER STYLE KIT  
OEM: 981920



**No. 24901**

WATER/FUEL SEPARATOR  
CANNISTER ONLY  
OEM: 981911



**No. 24910**

WATER/FUEL SEPARATOR  
CANNISTER STYLE  
OEM: 982230



## OMC CARBURETOR FUEL FILTER APPLICATION GUIDE

Models / Description	Years	GLM No.
2.3L	1987	<b>24970</b>
2.3L, 4-Cyl. Ford, Holley 2-barrel	1987-1991	<b>24970</b>
120 HP, 140 HP	1973-1981	<b>24841</b>
2.5L, 153 C.I., 120 HP Rochester 2-barrel	1972-1986	<b>24840</b>
2.5L	1982-1956	<b>N.L.A.</b>
3.0L, 181 C.I., 140 HP Rochester 2-barrel	1973-1990	<b>24840</b>
3.0L, 181 C.I., 4-Cyl. Chevy, Holley 2-barrel	1991-1998	<b>24970</b>
165 HP, Inline 6-Cyl., Rochester 2-barrel	1972-1976	<b>24840</b>
3.8L, 229 C.I., V6 Rochester 2-barrel	1982-1985	<b>24970</b>
3.8L, 229 C.I., V6 Rochester 4-barrel	1982-1983	<b>24980</b>
4.3L, 262 C.I., V6 Rochester 2-barrel	1985	<b>24970</b>
4.3L, 262 C.I., V6 Rochester 4-barrel	1985-1989	<b>24980</b>
5.0L, 307 C.I., V8 Rochester 2-barrel	1975-1976	<b>24970</b>
5.0L, 307 C.I., V8 Rochester 4-barrel	1975-1976	<b>24980</b>
5.0L, 305 C.I., V8 Rochester 2-barrel	1978-1985	<b>24970</b>
5.7L, 350 C.I., V8 Rochester 4-barrel	1978-1989	<b>24980</b>
V8 Chevy with Holley 4-barrel	1990-1998	<b>24970</b>
V8 Ford with Holley 4-barrel	1990-1996	<b>24970</b>

# OMC & Volvo Penta

## CARBURETOR KITS

### Rochester Carburetors

**No. 76111**

OEM: 380186



Rochester 1 Barrel

**No. 76120**

OEM: OMC 984487,  
VOLVO 841994



Rochester 2 Barrel

**No. 76068**

OEM: 982384



Rochester 2 Barrel

**No. 76150**

OEM: OMC 983864,  
VOLVO 834985



Rochester 4 Barrel (1977-1989)

### Holley Carburetors

**No. 76081**

OEM: 982538



Holley 2 Barrel

**No. 76088**

OEM: 985052



Holley 4 Barrel, 302 / 351 / 460, (1978-1998)

**No. 76096**

OEM: 982539



Holley 4 Barrel, 351 Ford (1975-1977)

**No. 76104**

OEM: N/A



Holley 4 Barrel, 740A / M55A

# OMC & Volvo Penta

## CARBURETOR KITS, BRASS FLOATS, NEEDLE & SEAT

### Volvo Engine 1-Barrel Carburetors

#### No. 76101

OEM: 841836, 841292  
Solex



AQ115AB, 125AB, 130CD, AQ131ABCD, 145AB,  
AQ151ABC, 171AC, BB115BC, 145A

#### No. 76103

OEM: N/A



AQ80

#### No. 76102

OEM: 841293



AQ120B, 140A, BB140A

#### No. 76108

OEM: 875407



AQ120, AQ130A, B, BB115A

### Carter Carburetors

#### No. 76082

OEM: 979719  
Carter 1 Barrel



#### No. 77210

OEM: 1397-2610



Rochester 1 Barrel

#### No. 77200

OEM: 841634



Rochester 2 Barrel

### Needle & Seat - All Quadrajet

#### No. 40760

OEM: N/A



All Quadrajet

#### No. 77220

OEM: N/A



Rochester 4 Barrel  
V8 305, 307, 350, 454CID

#### No. 77230

OEM: N/A



Rochester 2 Barrel  
AQ175A, 200DF, 500A

# OMC & Volvo Penta

## OMC CARBURETOR KIT APPLICATIONS

Model	Years	Mfg. Code	Carb. Model	Carb. Kit	Float	Model	Years	Mfg. Code	Carb. Model	Carb. Kit	Float
80	1968-1969	R2	2GC	<b>76068</b>	<b>77200</b>	260	1979-1989	R4	4MV	<b>76150</b>	<b>77220</b>
90	1970-1971	R2	2GC	<b>76068</b>	<b>77200</b>	290 JET	1974-1975	R4	4MV	<b>76160</b>	<b>77220</b>
100	1972-1973	C1	RBS	<b>76082</b>	-	2.3 L	1987-1989	R2	2GE	<b>76120</b>	<b>77200</b>
110	1964	R1	BC	<b>76111</b>	<b>77210</b>	2.5L	1982-1985	R2	2GC	<b>76075</b>	<b>77200</b>
120 (Dual carb)	1965-1971	C1	RBS	<b>76082</b>	-	2.5L	1986-1990	R2	2GE	<b>76120</b>	<b>77200</b>
						2.5L	1986	R2	2GC	<b>76068</b>	<b>77200</b>
120	1972-1985	R2	2GC	<b>76075</b>	<b>77200</b>	3.0L	1982-1990	R2	2GC	<b>76068</b>	<b>77200</b>
140	1973-1985	R2	2GC	<b>76068</b>	<b>77200</b>	3.8L	1979-1985	R2	2GE	<b>76120</b>	<b>77220</b>
150	1964-1965	R1	BC	<b>76111</b>	<b>77210</b>	4.3L	1986-1989	R2	2GE	<b>76120</b>	<b>77200</b>
155	1967-1972	R2	2GC	<b>76075</b>	-	4.3L	1979-1989	R4	4MV	<b>76150</b>	<b>77220</b>
165	1972-1976	R2	2GC	<b>76068</b>	<b>77200</b>	4.3/262	1989	R2	2GE	<b>76120</b>	<b>77200</b>
170	1974	H2	2300	<b>76081</b>	-	5.0L(GM)	1979-1985	R2	2GE	<b>76120</b>	<b>77200</b>
175	1975-1977	H2	2300	<b>76081</b>	-	5.0L(GM)	1979-1989	R4	4MV	<b>76150</b>	<b>77220</b>
185	1978-1981	R2	2GE	<b>76120</b>	<b>77200</b>	5.0L(Ford)	1989	H2	2300	<b>76081</b>	-
185	1989	H2	2300	<b>76081</b>	-	5.7L	1979-1989	R4	4MV	<b>76150</b>	<b>77220</b>
190	1974-1977	H2	2300	<b>76081</b>	-	5.8L	1989	H4	-	<b>76088</b>	-
200	1966-1968	R2	2GC,V	<b>76075</b>	-	7.5L	1987-1988	H4	-	<b>76088</b>	-
200	1979-1985	R2	2GE	<b>76120</b>	<b>77200</b>	305 C.I.I./B	1977-1979	R2	2GE	<b>76120</b>	<b>77200</b>
200	1989	H2	2300	<b>76081</b>	-	305 C.I.I./B	1977-1978	R4	4MV	<b>76150</b>	<b>77220</b>
210	1968-1972	R4	4MV	<b>76160</b>	<b>77220</b>	305 C.I.I./B	1979-1983	R4	4MV	<b>76150</b>	<b>77220</b>
215	1971	R4	4MV	<b>76160</b>	<b>77220</b>	305 C.I.I./B	1979-1983	R4	4MV	<b>76150</b>	<b>77220</b>
225	1972-1976	R4	4MV	<b>76160</b>	<b>77220</b>	350	1988-1989	R4	4MV	<b>76150</b>	<b>77220</b>
230	1975-1976	R4	4MV	<b>76160</b>	<b>77220</b>	350	1988	R2	2GE	<b>76120</b>	<b>77200</b>
230	1979-1989	R4	4MV	<b>76150</b>	<b>77220</b>	454 C.I.I/B	1977-1978	R4	4MV	<b>76160</b>	<b>77220</b>
235	1975-1977	H4	4160	<b>76096</b>	-	460 C.I.	1987-1988	H4	-	<b>76088</b>	-
235	1989	H4	-	<b>76088</b>	-						
240	1978	H4	-	<b>76088</b>	-						
245	1972-1975	R4	4MV	<b>76160</b>	<b>77220</b>						
250	1970-1974	R4	4MV	<b>76160</b>	<b>77220</b>						
250	1979	H4	-	<b>76088</b>	-						
260	1975-1976	R4	4MV	<b>76160</b>	<b>77220</b>						



# OMC & Volvo Penta

## CARBURETOR MOUNTING GASKETS

**No. 30361**

OEM: N/A



Holley  
4 Barrel

**No. 31540**

OEM: N/A



Rochester  
4 Barrel

**No. 30380**

OEM: N/A



Rochester  
4 Barrel

**No. 32970**

OEM: 311555



**No. 30580**

OEM: N/A



Holley  
2 Barrel

**No. 31660**

OEM: N/A



Rochester  
2 Barrel

**No. 32130**

OEM: N/A



Holley  
4 Barrel

**No. 32140**

OEM: N/A



Holley  
2 Barrel

**No. 32180**

OEM: N/A



Rochester  
2 Barrel

**No. 30381**

INSULATING GASKET  
1/4" THICK  
OEM: 908765



Rochester 4 Barrel

**No. 31740**

INSULATING GASKET  
1/4" THICK  
OEM: 909758



Rochester 2 Barrel

**No. 34700**

OEM: 315055



**No. 30382**

OEM: 3853283



## FUEL PUMP

**No. 77104**

OEM: 986357



7.4 / 8.2L, 454 / 502 CID, V8 (1990)

## FUEL PUMP GASKETS

**No. 31360**

OEM: 3705042



**No. 31700**

OEM: 27-42457



**No. 31800**

OEM: 27-72805



Ford V8

**No. 32750**

OEM: 27-34898



Chevy 305/350



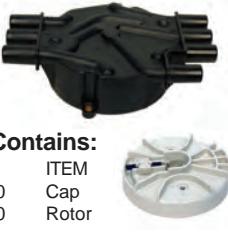
# **Section 13**

## **OMC & Volvo Penta Ignition & Electrical**

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# OMC & Volvo Penta

## IGNITION - TUNE-UP KITS

Prestolite Complete Tune-Up Kits			Delco Complete Kit
<b>No. 71750</b> (72650 + 71600)  V6, 4.3L, 262 CID	<b>No. 71730</b> (72650 + 71560)  V8 (w/ Screw-down Cap)	<b>No. 71770</b> (72640 + 71550)  V8 (w/ Clip-on Cap) Strngrs(1974-82), Cobra7.5L(1987)	<b>No. 71700</b> (72630 + 71520)  V8, 200 CID (1966-68)
Prestolite Tune-Up Kits			
<b>No. 72650</b> (71060 + 70010 + 70510)  V6, 3.8/4.3L, 229/262 CID & V8 (w/ Screw-down Cap)	<b>No. 72660</b> (71050 + 70010 + 70510)  V8 (w/ Clip-on Cap)	<b>No. 72640</b> (71030 + 70040 + 70540)  V8 (w/ Clip-on Cap) Strngrs(1974-82), Cobra7.5L(1987)	<b>No. 72630</b> (71010 + 70030 + 70580)  V8, 200 CID (1966-68)
Delco, Ford, Prestolite Cap & Rotor Kits			
<b>No. 71830</b> OEM: N/A  Kit Contains: GLM ITEM 71420 Cap 71120 Rotor  4-Cyl.DelcoESTBreakerless, 3.0L, 181 CID	<b>No. 71820</b> OEM: N/A  Kit Contains: GLM ITEM 71410 Cap 71110 Rotor  V6 Delco EST Breakerless, 4.3L, 262 CID	<b>No. 71890</b> OEM: N/A  Kit Contains: GLM ITEM 71650 Cap 71160 Rotor  V6 Delco EST Breakerless, 4.3L, 262 CID	<b>No. 71810</b> OEM: N/A  Kit Contains: GLM ITEM 71400 Cap 71100 Rotor  V8 Delco EST Breakerless, Chevy
<b>No. 71860</b> OEM: N/A  Kit Contains: GLM ITEM 71400 Cap 71180 Rotor  V8 Delco EST Breakerless, Chevy (Large Style Rotor)	<b>No. 71900</b> OEM: N/A  Kit Contains: GLM ITEM 71430 Cap 71160 Rotor  V8 Delco EST Breakerless, 5.0/5.7L Chevy	<b>No. 71850</b> OEM: N/A  Kit Contains: GLM ITEM 71640 Cap 71140 Rotor  V8 Ford Breakerless, 5.0/5.8L, 302/351 CID EFI	<b>No. 71880</b> OEM: N/A  Kit Contains: GLM ITEM 71560 Cap 71060 Rotor  V8 Prestolite (Screw-down Cap)



# OMC & Volvo Penta

## IGNITION - COMPONENTS

### Distributor Caps

#### No. 71580

OEM: 382133 omc  
841244-7 volvo



Mallory V8  
(Flat Cap Distributor)

#### No. 71600

OEM: 3853814 omc  
841926-9 volvo



Prestolite V6  
4.3L, 262 CID

#### No. 71560

OEM: 3853815



Prestolite V8  
(Screw-down Cap)

#### No. 71550

OEM: N/A



Prestolite V8  
Strngrs(1974-82) & Cobra 7.5L(1987)

#### No. 71490

OEM: 870690-5



BOSCH 4-Cyl.  
(Volvo Engines w/  
BOSCH Distributors)

#### No. 71460

OEM: 243658-2  
Large Diameter: 3-3/16" I.D.



BOSCH L6-Cyl.  
(Inline Volvo Engines w/  
BOSCH Distributors)

#### No. 71540

OEM: 380541



Delco 4-Cyl.  
2.5/3.0L, 153/181 CID,  
120/140 HP w/ Delco Points

#### No. 71530

OEM: 980152



Delco L6-Cyl.  
Inline 6-Cyl., 250 CID,  
165 HP w/ Delco Points

#### No. 71420

OEM: 3854260 omc  
3854260-1 volvo



4-Cyl. Delco EST Breakerless,  
3.0L, 181 CID

#### No. 71410

OEM: 3854331 omc  
3854331-0 volvo



V6 Delco EST Breakerless,  
4.3L, 262 CID

#### No. 71650

OEM: 3859019



V6 Delco EST Breakerless,  
4.3L, 262 CID

#### No. 71520

OEM: 383587



V8 Delco  
200 CID, (1966-68)

#### No. 71400

OEM: 3854548 omc  
3854548-9 volvo



V8 Delco EST Breakerless,  
Chevy

#### No. 71430

OEM: 3858975



V8 Delco EST Breakerless,  
5.0/5.7L Chevy

#### No. 71640

OEM: 3854217



V8 Ford Breakerless,  
5.0/5.8L, 302/351 CID EFI Ford

# OMC & Volvo Penta

## IGNITION - COMPONENTS

### Rotors

<b>No. 71000</b> OEM: 243903-2 	<b>No. 71120</b> OEM: 986651 omc 3854261-9 volvo 	<b>No. 71020</b> OEM: 384735 	<b>No. 71060</b> OEM: 982880 omc 855845-4 volvo 
<b>No. 71050</b> OEM: 980892 omc 834975-5 volvo 	<b>No. 71030</b> OEM: N/A 	<b>No. 71110</b> OEM: 3854311 omc 3854311-2 volvo 	<b>No. 71160</b> OEM: 3858977 
<b>No. 71100</b> OEM: 3854549 omc 3854549-7 volvo 	<b>No. 71180</b> OEM: 3862014 	<b>No. 71010</b> OEM: 381711 	<b>No. 71140</b> OEM: 3854218 

### Condensers

<b>No. 70580</b> OEM: 382136 omc 835308-8 volvo 	<b>No. 70510</b> OEM: 980894 omc 835704 volvo 	<b>No. 70540</b> OEM: N/A 
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### Points

<b>No. 70010</b> OEM: 980893 	<b>No. 70040</b> OEM: N/A 	<b>No. 70020</b> OEM: 380538 
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# OMC & Volvo Penta

## IGNITION - COMPONENTS

Points Continued...

### No. 70030

OEM: 380543 omc  
818701-5 volvo



V8 Delco  
200 CID, (1966-68)

### No. 70082

OEM: 243799-4



BOSCH 4-Cyl.  
(Volvo Engines)

### No. 70100

OEM: 240149

TWO-PIECE



BOSCH 4-Cyl. & L6-Cyl. w/  
Small Dia. Cap (Volvo Engines)

## APPLICATION CHART - VOLVO 4-CYL & 6-CYL INLINE ENGINES

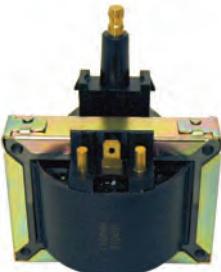
Description	Ignition Part	GLM No.	OEM No.
<b>4-Cyl. Pushrod Engines - AQ 115 &amp; AQ 130</b>			
One Piece Points / External Mounted Condenser Distributor	Points	<b>70082</b>	243799
	Condenser	-	-
	Cap	<b>71490</b>	870690
	Kit	-	-
Two Piece Points / Internal Mounted Condenser Distributor	Points	<b>70100</b>	240149
	Condenser	-	-
	Cap	-	-
	Kit	-	-
For All	Rotor	<b>71000</b>	243903
<b>4-Cyl. Single Overhead Cam Engines - AQ 120, 125, 131, 140, 141, 145 &amp; 151</b>			
For use with Screw Down Distributor Cap	Condenser	-	-
	Cap	-	-
	Rotor	<b>71000</b>	243903
	Kit	-	-
For use with Clip Down Distributor Cap	Condenser	-	-
	Cap	-	-
	Rotor	<b>71000</b>	243903
	Kit	-	-
For All	Points	<b>70082</b>	243799
<b>Inline 6-Cyl. Pushrod Engines - AQ 165 &amp; AQ 170</b>			
One Piece Points / For use with Small Cap Distributor	Points	-	-
Externally Mounted / For use with Small Cap Distributor	Condenser	-	-
For use with Small Diameter Cap	Rotor	<b>71000</b>	243903
Small Diameter Cap	Cap	-	-
Two Piece Points / For use with Internally Mounted Condenser	Points	<b>70100</b>	240149
One Piece Points / For use with Large Cap Distributor	Points	-	-
Internally Mounted / For use with Large Cap Distributor	Condenser	-	-
For use with Large Diameter Cap	Rotor	-	-
Large Diameter Cap	Cap	<b>71460</b>	243658

# OMC & Volvo Penta

## IGNITION COILS

**No. 72118**

IGNITION COIL  
OEM: 3287677



AQ 171, AQ 251 (1988-92)

**No. 72110**

OIL FILLED COIL  
OEM: 3853548



Used with  
Points Style Ignition

**No. 72122**

IGNITION COIL  
OEM: 3861267



Volvo Penta 8.1 Gi - GSi - GXi

**No. 72117**

OIL FILLED COIL  
OEM: N/A



Used with  
Points Style Ignition

**No. 72116**

IGNITION COIL  
OEM: 3854161

For V8 Ford  
Breakerless Ignitions



OMC/Volvo with Ford 5.0L/302CI EFI  
& 5.8L/351CI EFI (1993-1996)

**No. 72140**

PICK-UP COIL SENSOR  
OEM: 3854224



351 EFI King (1993-94), 5.0L EFI (1993-94),  
5.8L EFI King (1993), 5.8L EFI (1994)

**No. 72130**

PICK-UP COIL SENSOR  
OEM: 3854001

For Delco EST  
Breakerless Ignitions



OMC/Volvo Chevrolet 4-Cyl. V6 & V8 Engines  
with Delco Breakerless Distributors

**GLM**  
www.glmmarine.com

# OMC & Volvo Penta

## IGNITION COMPONENTS APPLICATION

Model	Years	Cyl.	Distributor	Points	Condenser	Distrib. Cap	Rotor	Tune-Up Kit	Complete T-Up Kit
2.3L	1987-1990	4	(A)	-	<b>70580</b>	-	-	-	-
2.3L	1990	4	(B)	<b>70010</b>	<b>70510</b>	-	<b>71060</b>	<b>72650</b>	<b>72650</b>
2.5L	1981-1986	4	982351 (D)	-	-	<b>71540</b>	<b>71020</b>	-	-
3.0L	1982-1990	4	982351 (D, G)	-	-	<b>71540</b>	<b>71020</b>	-	-
3.8L	1981-1986	6	982846, 983203 (B, F)	<b>70010</b>	<b>70510 (C)</b>	<b>71600</b>	<b>71060</b>	<b>72650</b>	<b>71750</b>
4.3L	1985-1990	6	(B, F)	<b>70010</b>	<b>70510 (C)</b>	<b>71600</b>	<b>71060</b>	<b>72650</b>	<b>71750</b>
4.3L	1991-1992	6	986855 (B)	-	-	<b>71600</b>	<b>71060</b>	-	-
4.3L	2000 & Up	6	40005334 (D)	-	-	<b>71650</b>	<b>71160</b>	-	<b>71890</b>
5.0L (GM)	1979-1982	8	(B, E)	<b>70040</b>	<b>70540</b>	<b>71550</b>	<b>71030</b>	<b>72640</b>	<b>71770</b>
5.0L (GM)	1979-1982	8	(B, E)	<b>70010</b>	<b>70510 (C)</b>	-	<b>71050</b>	<b>72660</b>	-
5.0L (GM)	1981-1988	8	983453 (A)	-	<b>70580</b>	-	-	-	-
5.0L (GM)	1983-1988	8	IBM 7013C (B, F)	<b>70010</b>	<b>70510 (C)</b>	<b>71560</b>	<b>71060</b>	<b>72650</b>	<b>71730</b>
5.0L (Ford)	1993	8	(B, F)	<b>70010</b>	<b>70510 (C)</b>	<b>71560</b>	<b>71060</b>	<b>72650</b>	<b>71730</b>
5.0L	1991-1992	8	(B, F)	-	-	<b>71560</b>	<b>71060</b>	-	-
5.0L	2000 & Up	8	21622232 (D)	-	-	<b>71430</b>	<b>71160</b>	-	<b>71900</b>
5.7L	1982-1990	8	983453 (A)	-	<b>70580</b>	-	-	-	-
5.7L	1982-1990	8	IBM 7013C (B, F)	<b>70010</b>	<b>70510 (C)</b>	<b>71560</b>	<b>71060</b>	<b>72650</b>	<b>71730</b>
5.7L	1991-1992	8	(B, F)	-	-	<b>71560</b>	<b>71060</b>	-	-
5.7L	2000 & Up	8	21622232 (D)	-	-	<b>71430</b>	<b>71160</b>	-	<b>71900</b>
5.8L (Ford)	1989-1990	8	(B, F)	<b>70010</b>	<b>70510 (C)</b>	<b>71560</b>	<b>71060</b>	<b>72650</b>	<b>71730</b>
5.8L (Ford)	1991-1992	8	(B, F)	-	-	<b>71560</b>	<b>71060</b>	-	-
7.5L	1987	8	(B, E)	<b>70040</b>	<b>70540</b>	<b>71550</b>	<b>71030</b>	<b>72640</b>	<b>71770</b>
7.5L	1987	8	(B, E)	<b>70010</b>	<b>70510 (C)</b>	-	<b>71050</b>	<b>72660</b>	-
7.5L	1987-1989	8	(B, F)	<b>70010</b>	<b>70510 (C)</b>	<b>71560</b>	<b>71060</b>	<b>72650</b>	<b>71730</b>
100	1972-1973	4	384720, 979858 (D)	<b>70020</b>	-	<b>71540</b>	<b>71020</b>	-	-
100	1972-1973	4	980500, 982351 (D)	<b>70020</b>	-	<b>71540</b>	<b>71020</b>	-	-
110	1964	4	(D)	<b>70020</b>	-	<b>71540</b>	<b>71020</b>	-	-
120	1965-1986	4	383581, 384258 (D)	<b>70020</b>	-	<b>71540</b>	<b>71020</b>	-	-
140	1973-1989	4	980500, 982351 (D)	<b>70020</b>	-	<b>71540</b>	<b>71020</b>	-	-
150	1964-1966	6	1110309, 22 (D)	<b>70030</b>	-	-	-	-	-
155	1967-1972	6	1110376 (D)	<b>70030</b>	<b>70580</b>	-	-	-	-
165	1972-1976	6	980156 (D)	<b>70020</b>	-	<b>71530</b>	<b>71020</b>	-	-
170	1974	8	(B, E)	<b>70040</b>	<b>70540</b>	<b>71550</b>	<b>71030</b>	<b>72640</b>	<b>71770</b>
170	1974	8	(B, E)	<b>70010</b>	<b>70510 (C)</b>	-	<b>71050</b>	<b>72660</b>	-
175	1975-1977	8	(B, E)	<b>70040</b>	<b>70540</b>	<b>71550</b>	<b>71030</b>	<b>72640</b>	<b>71770</b>
175	1975-1977	8	980902 (B, E)	<b>70010</b>	<b>70510 (C)</b>	-	<b>71050</b>	<b>72660</b>	-
185	1967-1968	8	381775 (A)	-	<b>70580</b>	<b>71580</b>	-	-	-
185	1978-1980	8	(B, E)	<b>70040</b>	<b>70540</b>	<b>71550</b>	<b>71030</b>	<b>72640</b>	<b>71770</b>
185	1978-1980	8	981659 (A)	-	<b>70580</b>	-	-	-	-
185	1978-1980	8	982320 (B, E)	<b>70010</b>	<b>70510</b>	-	<b>71050</b>	<b>72660</b>	-
190	1974-1977	8	(B, E)	<b>70040</b>	<b>70540</b>	<b>71550</b>	<b>71030</b>	<b>72640</b>	<b>71770</b>
190	1974-1977	8	980902 (B, E)	<b>70010</b>	<b>70510 (C)</b>	-	<b>71050</b>	<b>72660</b>	-
200	1966	9	(D)	<b>70030</b>	-	<b>71520</b>	<b>71010</b>	-	<b>71700</b>
200	1967-1968	8	1111050, 1111053 (D)	<b>70030</b>	<b>70580</b>	<b>71520</b>	<b>71010</b>	-	<b>71700</b>
200	1967-1968	8	1111058, 382127 (D)	<b>70030</b>	<b>70580</b>	<b>71520</b>	<b>71010</b>	-	<b>71700</b>
200	1979-1988	8	981659 (A)	-	<b>70580</b>	-	-	-	-
200	1979-1982	8	(B, E)	<b>70040</b>	<b>70540</b>	<b>71550</b>	<b>71030</b>	<b>72640</b>	<b>71770</b>
200	1979-1982	8	982320 (B, E)	<b>70010</b>	<b>70510 (C)</b>	-	<b>71050</b>	<b>72660</b>	-
210	1968-1972	8	381775 (A)	-	<b>70580</b>	<b>71580</b>	-	-	-
215	1971	8	(A)	-	<b>70580</b>	<b>71580</b>	-	-	-
225	1978	8	981659, 982320 (A)	-	<b>70580</b>	-	-	-	-
225	1972-1976	8	381775 (A)	-	<b>70580</b>	<b>71580</b>	-	-	-
230	1969-1978	8	981659	-	<b>70580</b>	-	-	-	-
230	1979-1982	8	(B, E)	<b>70040</b>	<b>70540</b>	<b>71550</b>	<b>71030</b>	<b>72640</b>	<b>71770</b>
230	1979-1982	8	982320 (B, E)	<b>70010</b>	<b>70510 (C)</b>	-	<b>71050</b>	<b>72660</b>	-
230 (IB)	1975-1976	8	381775 (A)	-	<b>70580</b>	<b>71580</b>	-	-	-

# OMC & Volvo Penta

## IGNITION COMPONENTS APPLICATION

Model	Years	Cyl.	Distributor	Points	Condenser	Distrib. Cap	Rotor	Tune-Up Kit	Complete T-Up Kit
235	1971	8	(A)	-	70580	71580	-	-	-
235	1975-1977	8	(B, E)	70040	70540	71550	71030	72640	71770
235	1975-1977	8	981080 (B, E)	70010	70510 (C)	-	71050	72660	-
240	1978	8	(B, E)	70040	70540	71550	71030	72640	71770
240	1978	8	981080 (B, E)	70010	70510 (C)	-	71050	72660	-
245	1972-1975	8	381775 (A)	-	70580	71850	-	-	-
250 (B)	1970-1974	8	(A)	-	70580	71850	-	-	-
250	1979	8	(B, E)	70040	70540	71550	71030	72640	71770
250	1979	8	981080 (B, E)	70010	70510 (C)	-	71050	72660	-
260 (B)	1975-1976	8	384193 (A)	-	70580	71580	-	-	-
260	1979-1982	8	(B, E)	70040	70540	71550	71030	72640	71770
260	1979-1982	8	981659 (A)	-	70580	-	-	-	-
260	1979-1982	8	982320 (B)	70010	70510 (C)	-	71050	72660	-
262 CID	1989	6	(B, F)	70010	70510 (C)	71600	71060	72650	71750
290 JET	1974-1975	8	(A)	-	70580	71580	-	-	-
305 (IB)	1977-1979	8	980680 (A)	-	70580	71580	-	-	-
305 (IB)	1980-1982	8	981659, 982320 (A)	-	70580	-	-	-	-
350 (IB)	1977-1979	8	981659 (A)	-	70580	71580	-	-	-
350 (IB)	1980-1982	8	982320 (A)	-	70580	-	-	-	-
350 CID	1988-1989	8	(F)	-	70580	-	-	-	-
350 CID	1988-1989	8	(B, E)	70010	70510 (C)	-	71050	72660	-
454 (IB)	1977-1979	8	(A)	-	70580	71580	-	-	-
454 (IB)	1980-1982	8	981659, 982320 (A)	-	70580	-	-	-	-
460 CID	1988-1989	8	(B, F)	70010	70510 (C)	71560	71060	72650	71730

(A) Mallory Ignition

(E) Models w/ Clip-On Dist. Cap

(I) Elec. Dist. (Counter Rotation)

(B) Prestolite Ignition

(F) Models w/ Screw-On Dist. Cap

(J) Contact Controlled Dist.

(C) Wire Type use No. 70540

(G) 90'S Model Point Ignition Only

(K) Does Not Include Models

(D) Delco Ignition

w/ Shift Assist Module

(H) Elec. Dist. (Standard Rotation)

## DISTRIBUTOR PARTS (ELECTRONIC IGNITION)

Model	Years	Distributor No.	Pick-Up	Rotor	Cap
351 EFI King	1994	3854176	72140	71140	71640
3.0L	1994	-	-	71120	71420
4.3L	1994	-	-	71110	71410
5.0L EFI	1994	3854175	72140	71140	71640
5.8L EFI	1994	3854176	72140	71140	71640
7.4L	1994	3855128	N/R	71060	71560
4.3L, 4.3L H.O. (2V Models)	1991-1993	986855	-	71060	71600
5.0L, 5.0L H.O., 5.8	1991-1993	986969, 986970	N/R	71060	71560
3.0L, 3.0L H.O.	1990-1993	986653	-	71120	71420
351 EFI King	1993	987734	72140	71140	71640
351 King	1993	987527	N/R	71130	71560
5.0L EFI	1993	987733	72140	71140	71640
5.8L EFI King	1993	987734	72140	71140	71640
5.7L OMC Cobra	1991-1992	986983	-	71060	71560
351	1992-1993	987527	N/R	71060	71560
454, 454 H.O., 502	1992	987473	N/R	71060	71560
5.7LE	1992	986983	N/R	71060	71560
454 H.O. (744APERGF)	1991	987473	N/R	71060	71560
3.0, 3.0 H.O. (PWS/PWR)	1990	986653	-	71120	71420
4.3L, 4.3L H.O. w/ Dis. Ign.	1990	-	N/R	N/R	N/R



# OMC & Volvo Penta

## VOLTAGE REGULATORS

**No. 72210**

OEM: 910599



OMC

**No. 72220**

OEM: 841688, 841381



Volvo (1975-1989)

**No. 72230**

OEM: 847605, 843547



Volvo (1976-1982)

## VOLVO POWER TRIM RELAYS

**No. 73010**

OEM: 876039



5 Terminal  
AQ 175,200,225D, 260, 290A

**No. 73020**

OEM: 876037



5 Terminal  
AQ 270,280

## SOLENOID

**No. 72360**

OEM: 586730



## VOLTAGE REGULATORS

**Model**

**Year**

**GLM No.**

**Model**

**Year**

**GLM No.**

Volvo Penta

1975-89

**72220**

3.8L - OMC

1988

**72210**

Volvo Penta

1976-82

**72230**

4.3L - OMC

1988

**72210**

2.5L - OMC

1988

**72210**

5.0L - OMC

1988

**72210**

3.0L - OMC

1988

**72210**

5.7L - OMC

1988

**72210**

## STARTER SOLENOID

**Model**

**Year**

**GLM No.**

**Model**

**Year**

**GLM No.**

5.0L, 5.0L H.O.

1989-1991

**72360**

335 Cobra

1987

**72360**

5.8L

1989-1991

**72360**

340 King Cobra

1987

**72360**

460 King Cobra

1989-1990

**72360**

7.5L

1987

**72360**

2.3L

1987-1990

**72360**

## TRIM SOLENOID

**Model**

**Year**

**GLM No.**

**Model**

**Year**

**GLM No.**

351 King Cobra

1992-1993

**72360**

5.7L

1990-1992

**72360**

502

1992-1993

**72360**

5.7LE OMC Cobra

1990-1992

**72360**

3.0L, 3.0L H.O.

1991-1993

**72360**

350 OMC King Cobra

1988-1991

**72360**

4.3L

1991-1993

**72360**

370, 460 CIVIC King Cobra

1989-1990

**72360**

5.0L, 5.0L H.O., 5.8

1991-1993

**72360**

454, 454 H.O. King Cobra

1990-1993

**72360**

4.3L H.O.

1990-1993

**72360**

351 EF1 King Cobra

1993

**72360**

5.0L, 5.8L EFI

1993

**72360**



# Section 14

## OMC & Volvo Penta Engine Gaskets Rear Main Oil Seals

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# OMC & Volvo Penta

## HEAD GASKETS

### Chevy V8

**No. 36160**

OEM: 914971, 841207, 856474

Chevy  
305/350 CID engines  
(5.0 & 5.7L)



**No. 36110**

OEM: 914849

Chevy  
454 CID engines  
(7.4L)



### Ford V8

**No. 36170**

OEM: 916221

Ford  
351 CID engines  
(5.8L)



**No. 36120**

OEM: 912766

Ford  
460 CID engines  
(7.5L)



### Chevy Inline 6

**No. 36140**

OEM: 908237

Chevy  
250 CID engines  
6-Cyl (4.1L)



**No. 36100**

OEM: 3854299

Chevy  
262 CID engines  
(4.3L)



### Buick V6

**No. 36190**

OEM: 985662

Buick  
231 CID engines  
(1964-1972)



### Chevy 4-Cylinder

**No. 36150**

OEM: 914812

Chevy  
181 CID engines  
(3.0L)



**No. 36130**

OEM: 311210

Chevy  
153 CID engines  
(2.5L)



### Volvo 4-Cylinder

**No. 36090**

OEM: 1378646

4-Cyl.  
AQ145 Engine



**No. 36080**

OEM: 1378645

4-Cyl.  
AQ120B, 125A,  
140A, BB140A



# OMC & Volvo Penta

## INTAKE MANIFOLD GASKETS

**No. 32680**

OEM: 912471

Ford  
140 CID  
2.3L



**No. 31570**

OEM: 908079

Chevy  
4-Cyl, 181, 3.0L  
(1968-82)



**No. 33580**

OEM: 3853256

Chevy  
4-Cyl  
(1996 & Up)



**No. 30345**

OEM:  
27-824326002

4.3L  
(1996 & Up)



**No. 30347**

OEM: 27-807473A1

5.0/5.7L  
(1996 & Up)



**No. 33940**

OEM: 312737

Buick  
V6  
(1964-72)



**No. 30349**

OEM: 312737

Chevy  
V6



**No. 30351**

OEM: N/A

Chevy  
V6



**No. 39200**

Ford  
302 CID  
5.0L



**No. 36280**

Ford  
351CID  
5.8L



**No. 30860**

Chevy  
305/350 CID  
5.0/5.7L  
(1997 &  
Below)



**No. 39170**

with oval intake ports

Chevy  
454 CID  
7.4L



**No. 32210**

OEM: 3852693

GM  
153/181 CID  
2.5/3.0L



**No. 30356**

OEM: 27-851040

GM  
3.0L  
(1998 & Up)



**No. 30340**

OEM: N/A

GM  
250 CID  
4.1L



**No. 30359**

OEM: 3854300

GM  
262 CID  
4.3L



**No. 30353**

OEM: 912965

GM  
305/350 CID  
5.0/5.7  
(1986 & Below)



**No. 30357**

OEM: 3852687  
(1987 & Up)

GM  
305/350 CID  
5.0/5.7L  
(1987 & Up)



**No. 30470**

OEM: 3852818

Ford  
302/351 CID  
5.0/5.8L



**No. 30350**

OEM: 3853513

GM  
454/502 CID  
7.4/8.2



**No. 30358**

OEM: 3854942  
(1996 & Up)

GM  
4.3L w/ plastic  
valve cover



**No. 33040**

OEM: 912768

Ford  
460 CID  
7.5L



# OMC & Volvo Penta

## LIFTER SIDE COVER GASKETS

**No. 30100**

OEM: 3852692

153 & 181 CID  
Push Rod Cover



**No. 30120**

OEM: N/A

140/150/  
160 /165  
6-Cyl.



**No. 32640**

OEM: 3856443

120/140  
4-Cyl.  
w/ stamped cover



## OIL PAN GASKETS

**No. 39470**

OEM: 508886

GM  
153/181CID  
2.5L &  
3.0L



**No. 39460**

OEM: N/A

Chevy  
229 CID  
3.8L, V6



**No. 39130**

OEM: N/A

GM  
250 CID, 4.1L  
165 Inline 6-Cyl.



**No. 39840**

OEM: 3852655

Chevy  
262 CID  
4.3L, V6



**No. 39860**

OEM: 3855801

Chevy  
4.3L, V6



**No. 39850**

OEM: 3852664

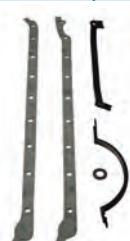
GM  
305/350 CID  
5.0/5.7L  
(1986 & Up)



**No. 39490**

OEM: N/A

GM  
454/502CID, 7.4L & 8.2L  
Mark IV  
(1991 & Below)



**No. 39540**

OEM: N/A

Universal Type  
GM 262,265,267,283,302,305,327,  
350 & 400 Small Block Engines  
(1986 & Below)



**No. 39160**

OEM: N/A

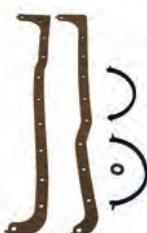
Ford  
302 CID  
5.0L



**No. 39500**

OEM: N/A

Ford  
351CID  
5.8L



**No. 30370**

OEM: 3851981



Drain Plug - Oil Pan

## TIMING CHAIN COVER GASKET KITS

**No. 39710**

OEM: N/A



Chevy 4-Cyl. & Inline 6

**No. 39730**

OEM: N/A

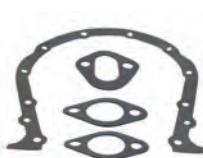


Chevy 262 4.3L CID V6

**No. 39740**

OEM: N/A

(1991  
&  
Below)



Chevy 454 CID engines

**No. 39720**

OEM: N/A

(1997  
&  
Below)



Chevy 305 & 350 CID

# OMC & Volvo Penta

## TIMING CHAIN COVER GASKETS

**No. 30360**

OEM: 3852691



4 & 6-Cyl. Chevy  
Timing Chain Cover

**No. 30530**

OEM: N/A



Chevy V6 & SB V8  
Timing Chain Cover

**No. 30440**

OEM: N/A



Chevy 454 CID  
Timing Chain Cover

**No. 30460**

OEM: N/A



Ford V8  
Timing Chain Cover

## CRANK SHAFT OIL SEALS

**No. 85780**

OEM: 3853341

One Piece  
(1996 & Below)



All Chevy

**No. 85490**

OEM: 473424

Two Piece  
(1985 & Below)



All Chevy

**No. 85790**

OEM: 3852657

One Piece  
(1986 & Up)



4.3/5.0/5.7L  
Standard Rotation

**No. 85960**

OEM: 460571

Two Piece  
(1986 & Below)



7.4/8.2L

**No. 85980**

OEM: 913746



Ford 351 CID

**No. 30354**

OEM: 3852656



V6, 305, 350  
Rear Main Seal  
Retainer Cover Gasket

**No. 30110**

OEM: 3852658



4 & 6-Cyl Chevy Oil Pump  
Cover Gasket

**No. 30490**

OEM: N/A



Oil Pump Mounting  
Gasket

## DISTRIBUTOR GASKETS

**No. 32040**

OEM: N/A



Mallory  
V8 Distributor Cap

**No. 32030**

OEM: N/A



Prestolite  
Distributor Cap

**No. 31370**

OEM: 3852109



V6 & V8 Chevy  
Distributor Mounting

**No. 32300**

OEM: N/A



4-Cyl.  
Distributor Mounting

# OMC & Volvo Penta

## ENGINE OVERHAUL GASKET KIT

**No. 39021**

OEM: N/A



4.3L (1996 & Up)

**No. 39022**

OEM: N/A



5.7L (1996 & Up)

## CYLINDER HEAD GASKET KITS

**No. 39810**

OEM: N/A

Chevy 2.5L,  
153CID, 110,  
120HP  
(1965-1985)



**No. 39661**

OEM: N/A

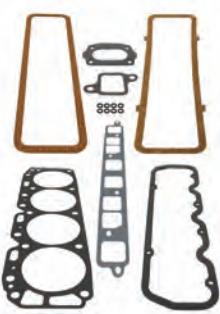
Chevy 2.5L  
(1968-1982)



**No. 39662**

OEM: N/A

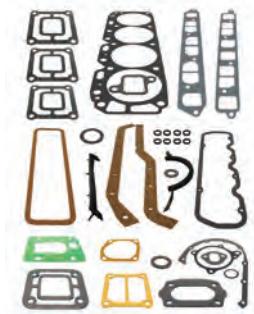
Chevy 3.0L  
(1968-1982)



**No. 39820**

OEM: N/A

Chevy 3.0L,  
181CID,  
140HP  
(1973-1988)



**No. 39663**

OEM: N/A

Chevy 3.0L  
(1991 & Up)



**No. 39830**

OEM: 985662

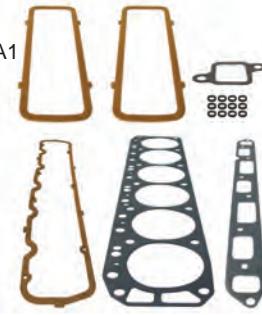
Buick V6  
3.8L,  
231CID  
(1964-1972)



**No. 39660**

OEM: 27-47453A1

All Chevy  
250 CID,  
165 HP



**No. 39654**

OEM: 503796

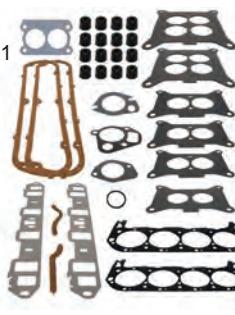
Chevy 4.3L  
(1996 & Below)



**No. 39670**

OEM: 27-56110A1

Ford 5.0L,  
302 CID



**No. 39690**

OEM: 27-75611A2

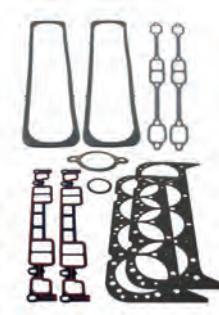
Chevy 5.0L,  
305, 5.7L,  
350 CID  
(1997 & Below)



**No. 39652**

OEM: 27-75611A03

Chevy V8 S.B.  
305/350/377 CID  
(1996 & Up)



**No. 39680**

OEM: 27-64763A2

Ford 5.8L,  
351 CID



# Section 15

## Volvo Penta AQ Drive Sterndrives & Transom Assemblies Up to 1993

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<i>Lower Gear Housing Breakdown.....</i>	142-143
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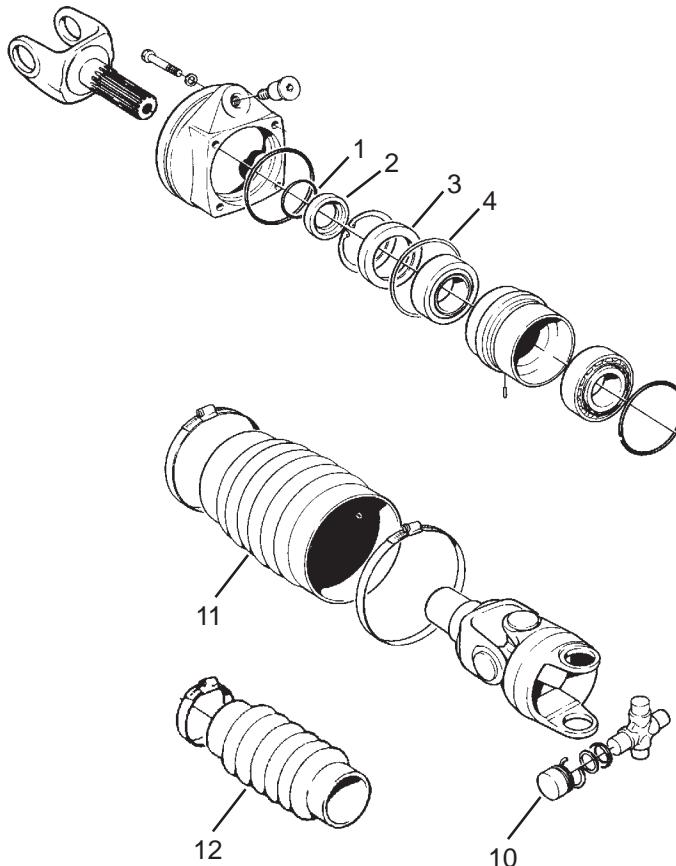
# Volvo Penta - AQ

## UPPER HOUSING

Upper Gearcase Seal Kit  
AQ200-290, AQSP, AQDP

No. 87760

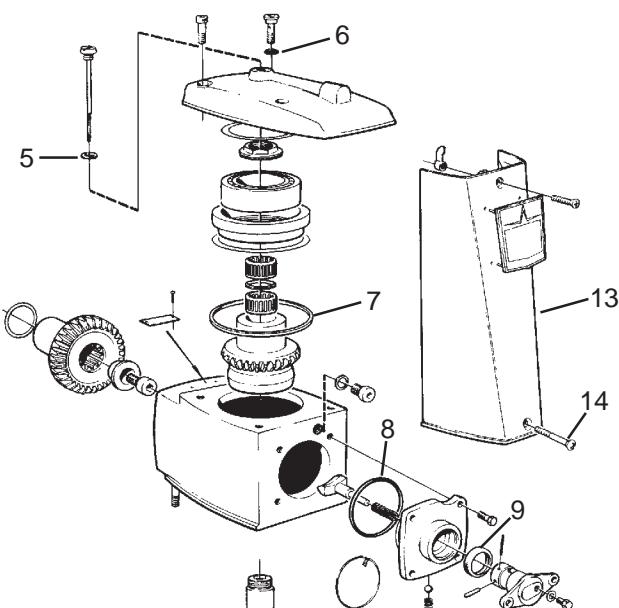
See Section 15



Upper Gearcase Seal Kit  
AQ200-290, AQSP, AQDP

No. 87820

See Section 15



U-Joint Seal Kit  
with U-Joint

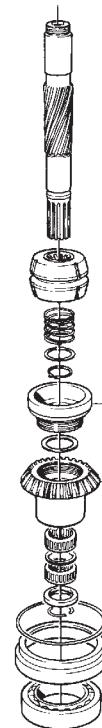
No. 87720

See Section 15

U-Joint Seal Kit  
without U-Joint

No. 87730

See Section 15



# **Volvo Penta - AQ**

## **UPPER HOUSING**

# Volvo Penta - AQ

## LOWER HOUSING

Lower Gearcase  
Seal Kit - Dual Prop

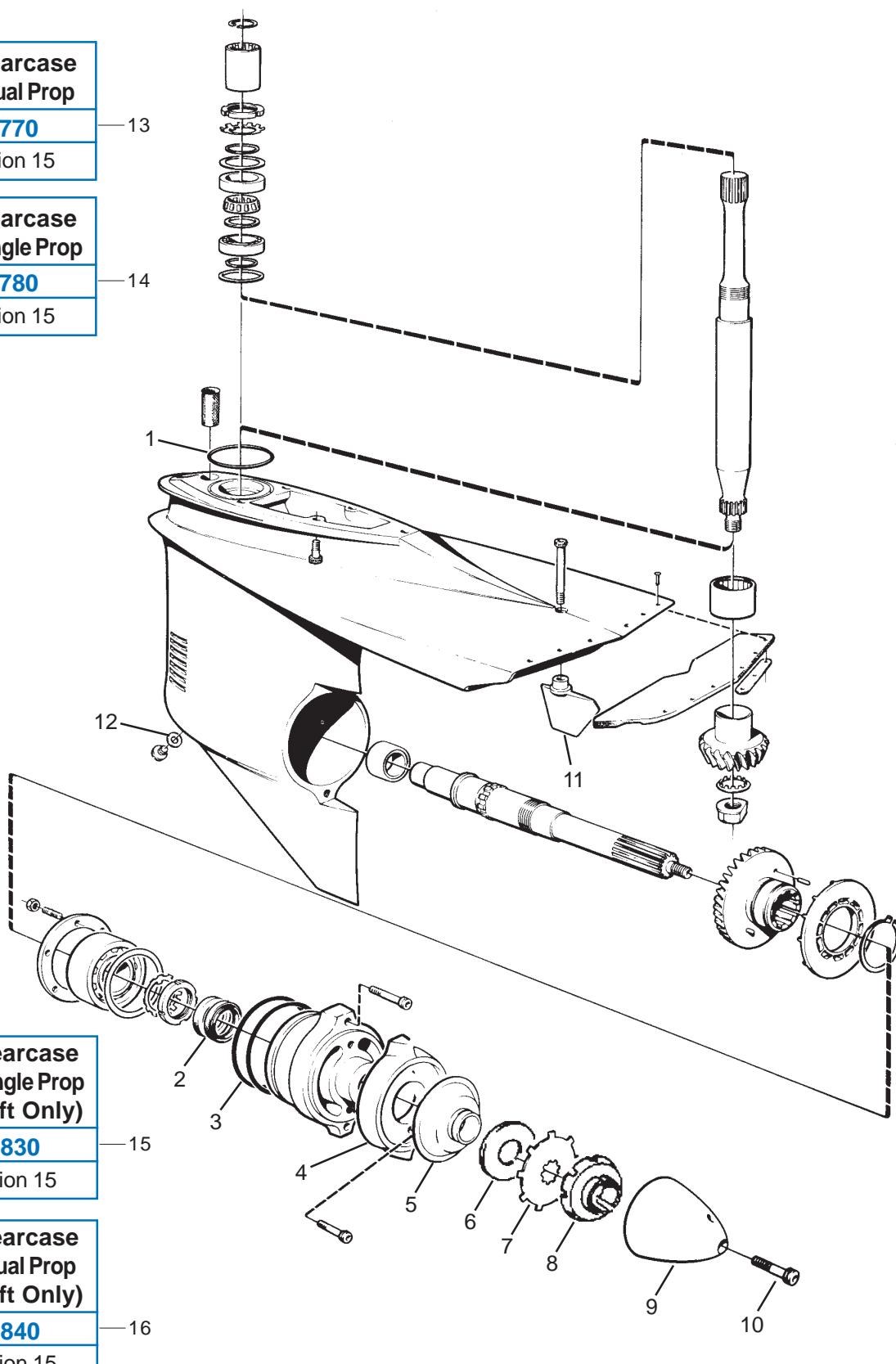
No. 87770

See Section 15

Lower Gearcase  
Seal Kit - Single Prop

No. 87780

See Section 15



Lower Gearcase  
Seal Kit - Single Prop  
(Prop Shaft Only)

No. 87830

See Section 15

Lower Gearcase  
Seal Kit - Dual Prop  
(Prop Shaft Only)

No. 87840

See Section 15

# **Volvo Penta - AQ**

## **LOWER HOUSING**

# Volvo Penta - AQ

## INTERMEDIATE HOUSING

Steer Stem Repair  
Kit - AQ200-290

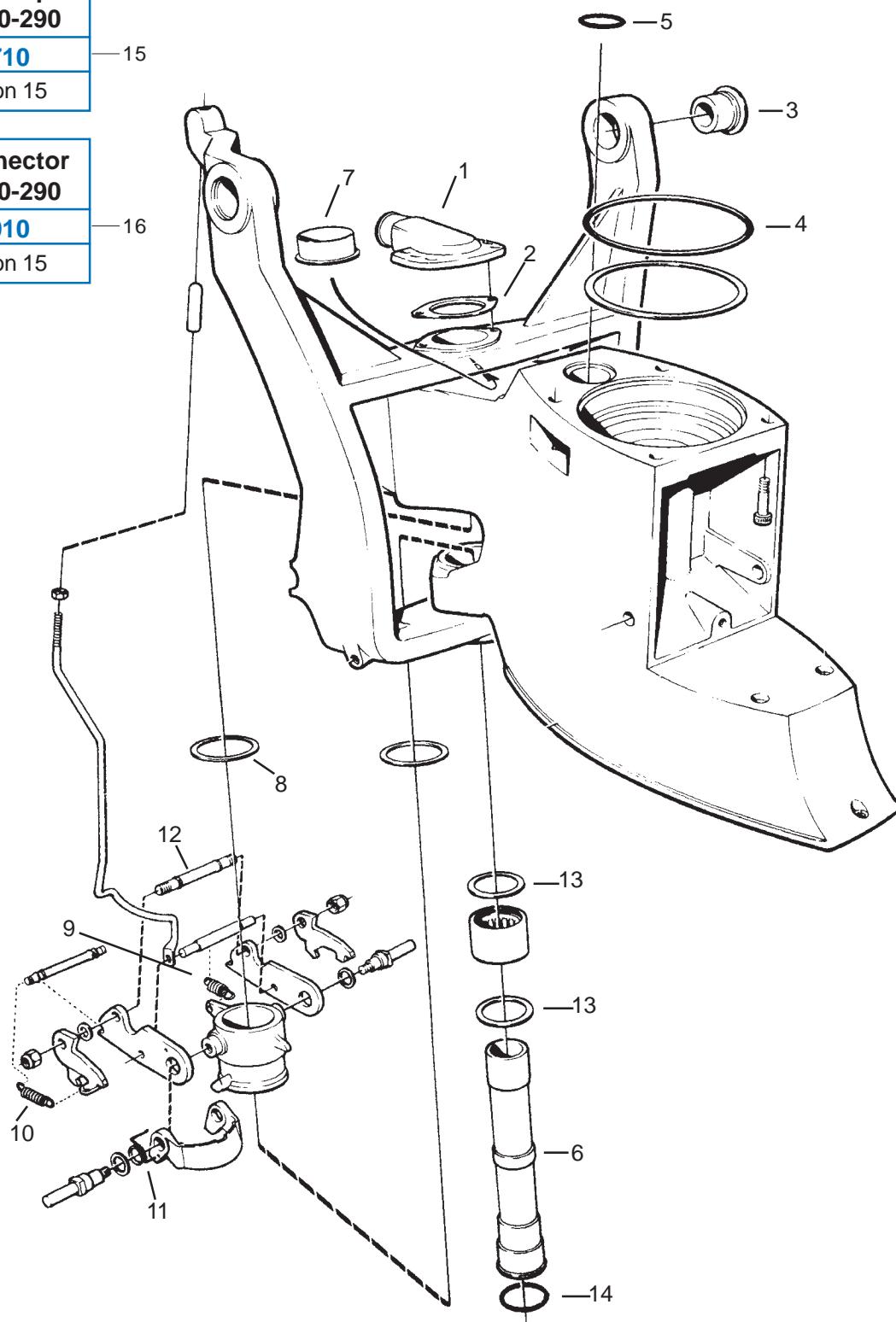
No. 87710

See Section 15

Hose Connector  
Kit - AQ200-290

No. 23010

See Section 15

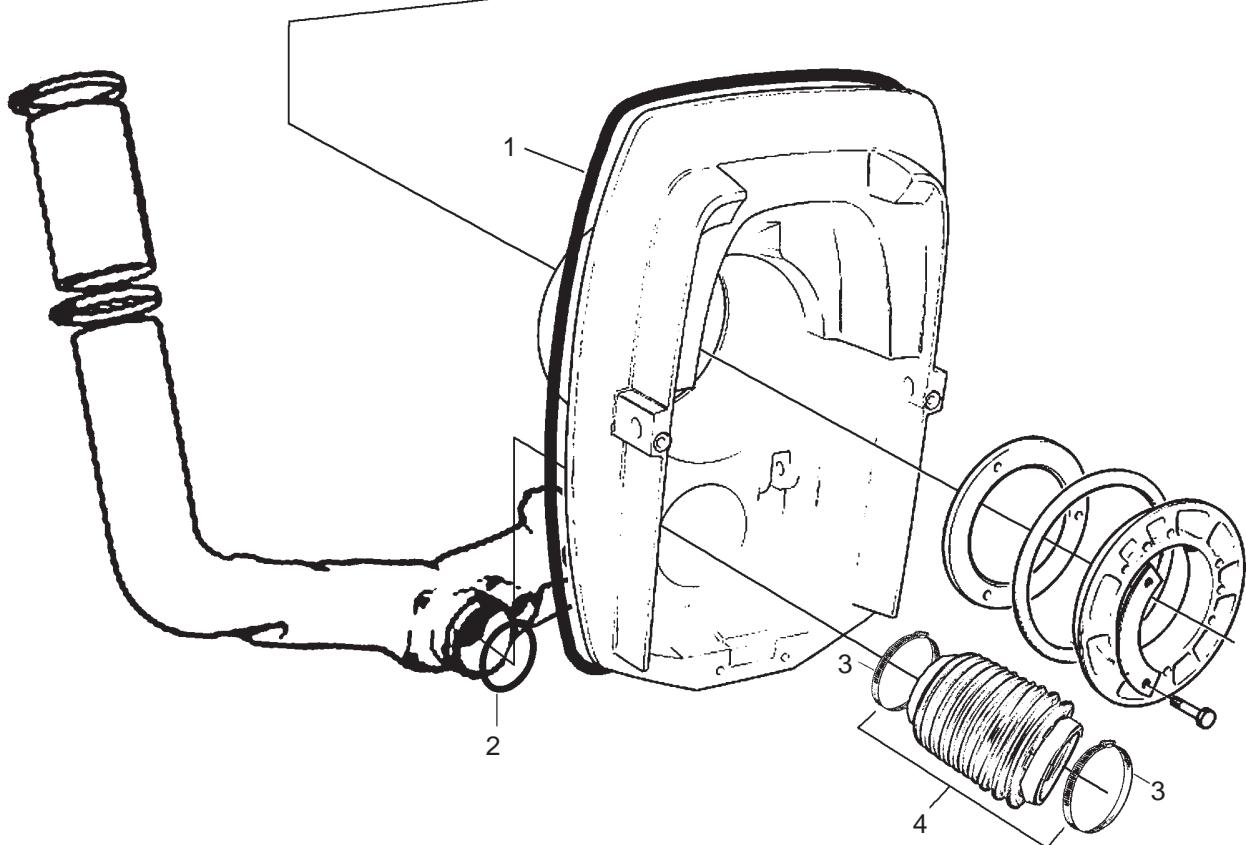
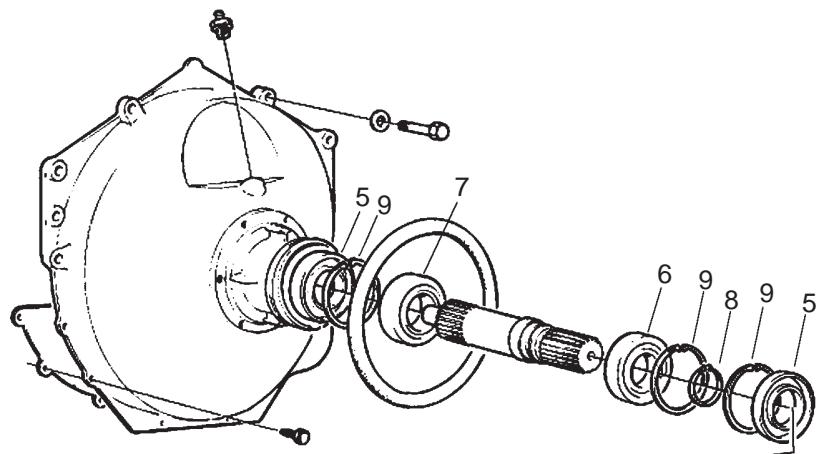


# **Volvo Penta - AQ**

## **INTERMEDIATE HOUSING**

# Volvo Penta - AQ

## TRANSOM ASSEMBLY



# **Volvo Penta - AQ**

## **TRANSOM ASSEMBLY**

# Volvo Penta - AQ

## LOWER GEAR HOUSING SEAL KITS

**No. 87780**

OEM: 876268



Single Prop  
AQ 200-AQ 290, AQSP

**No. 87770**

OEM: 876267



Dual Prop  
AQ 280DP, 290DP, AQDP

**No. 87830**

OEM: N/A



Prop Shaft Only - Single Prop  
AQ 200-AQ 290, AQSP

**No. 87840**

OEM: N/A



Prop Shaft Only - Dual Prop  
AQ 280DP, 290DP, AQDP

## UPPER GEAR HOUSING SEAL KITS

**No. 87760**

OEM: 876266



AQ 200-290, AQSP, AQDP

**No. 87820**

OEM: N/A



AQ 280-290, AQSP, AQDP

## COMPLETE UPPER & LOWER GEAR HOUSING SEAL KITS

**No. 87700**

OEM: 875192

Includes:  
87760  
87780



Single Prop

**No. 87790**

OEM: 875741

Includes:  
87760  
87770



Dual Prop

# Volvo Penta - AQ

## INTERMEDIATE HOUSING

### No. 87710

STEER STEM REPAIR KIT  
OEM: N/A

Kit contains:

GLM	OEM	Item
45010	125017	O-Ring
87070	181620	Seal
23020	814356	Gasket
23130	814388	Plastic Bushing
23180	814390	Plastic Washer
23090	826341	Plastic Bushing
23010	832846	Hose Connector
45090	925256	O-Ring
45110	941820	O-Ring



Fits 200 thru 290

### No. 23055

PIPE - WATER  
OEM: 814386

Intermediate Housing



### No. 23130

SWIVEL BUSHING - FOR PIPE  
OEM: 814388



### No. 23180

PLASTIC WASHER  
OEM: 814390



### No. 23020

RUBBER GASKET  
OEM: 814356



### No. 23010

HOSE CONNECTOR  
OEM: 832846, 851452



Comes with gasket

AQ 200-290

### No. 23011

HOSE CONNECTOR  
OEM: 854031



AQ 200-290

### No. 23013

HOSE CONNECTOR - PLASTIC  
OEM: 872752



DP, DPD, DPE, DPG, DPH, DPX

## TIILT BUSHINGS

### No. 23090

TIILT BUSHINGS  
OEM: 826341, 876278



All with Electric Tilt

### No. 23091

TIILT BUSHINGS  
OEM: 832820



Power Trim  
AQ270T, 280T

### No. 23092

TIILT BUSHINGS  
OEM: 853223



Power Trim  
AQ 290, SP, DP

### No. 23093

TIILT BUSHINGS  
OEM: 872096



Power Trim  
DPE, DPX-S1, DPX,  
DP-C1, DP-D1

### No. 35010

OEM: 853936



Tilt Motor Gasket

### No. 23080

SETTING PIN  
OEM: 814301



### No. 23190

NYLON  
OEM: 941855



### No. 23174

SHAFT - REVERSE LOCK  
OEM: 814419, 814499



AQ290, A, DP, SP-A,  
SP-A1, SP-A2, DP-A,  
DP-A1, DP-A2, DP-B1

### No. 23170

SPRING KIT -  
REVERSE LOCK  
OEM: N/A



### No. 23171

SPRING  
OEM: 814332



### No. 23172

SPRING  
OEM: 832534



### No. 23173

SPRING  
OEM: 814396



# Volvo Penta - AQ

**No. 23100**

AQ DRIVE COVER  
OEM: 832570


**No. 23230**

AQ DRIVE COVER SCREW  
OEM: 941816


**No. 89020**

EXHAUST BELLOW KIT  
OEM: 875380, 875848

Without Flapper


**No. 89030**

UNIVERSAL JOINT  
BELLOW KIT  
OEM: 875826


**No. 87720**

U-JOINT SEAL KIT (WITH U-JOINT)  
OEM: N/A

Kit contains:

GLM	OEM	Item
45010	125017	O-Ring
23030	832675	Seal Washer
28030	3850812	U-Joint (2)
87030	853670	Seal
45090	925256	O-Ring (2)
45100	925259	O-Ring
45120	955974	O-Ring
45160	956000	O-Ring



AQ 270-290, AQ SP, AQ DP

**No. 87730**

U-JOINT SEAL KIT (WITHOUT U-JOINT)  
OEM: N/A

Kit contains:

GLM	OEM	Item
45010	125017	O-Ring
23030	832675	Seal Washer
87030	853670	Seal
45090	925256	O-Ring
45100	925259	O-Ring
45120	955974	O-Ring
45160	956000	O-Ring



AQ 270-290, AQ SP, AQ DP

**No. 28030**

U-JOINT  
OEM: 3850812


**No. 28040**

U-JOINT  
OEM: 3860232



External Lock-ring Style

**No. 23030**

SEAL WASHER  
OEM: 832675



AQ 270-290,  
AQ SP, AQ DP

**No. 87020**

SEAL  
OEM: 958860-9



For Flywheel Housing

**No. 87030**

SEAL  
OEM: 853670



For Flywheel Housing

## TOP COVER GASKETS

## TRANSOM MOUNT SEAL

**No. 87010**

OEM: 832669


**No. 87011**

OEM: 814168


**No. 86713**

TRANSOM  
MOUNT SEAL  
OEM: 852868



AQ 290, A, DP, SP-A, SP-A1, SP-A2, SP-C, SP-C1, DP-A1, DP-A2, DP-B, DP-B1, DP-C, DP-C1, DP-D, DP-D1, DPX

## **Section 16**

### **Volvo Penta**

### **Aluminum Anodes, Prop Hardware, Size Charts & Quick Reference**

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# Volvo Penta

## ALUMINUM ANODE KITS

**No. 12894**

ALUMINUM ANODE KIT  
OEM: N/A



AQ200

**No. 12895**

ALUMINUM ANODE KIT  
OEM: N/A



AQ250, 270, 270T, 275

**No. 12896**

ALUMINUM ANODE KIT  
OEM: N/A



AQ280, 280T, 280PT

**No. 12897**

ALUMINUM ANODE KIT  
OEM: N/A



AQ290, 290A

**No. 12898**

ALUMINUM ANODE KIT  
OEM: N/A



AQ280DP

**No. 12899**

ALUMINUM ANODE KIT  
OEM: N/A



AQ290DP

**No. 12933**

ALUMINUM ANODE KIT  
OEM: N/A



DPH-A/B

**No. 12948**

ALUMINUM ANODE KIT  
OEM: N/A



DPR-A/B

**No. 12921**

ALUMINUM ANODE KIT  
OEM: N/A



SX-S, C, R, M, DP-S, SM

**No. 12938**

ALUMINUM ANODE KIT  
OEM: N/A



SXA-DPSA

# Volvo Penta

## ALUMINUM ANODES

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

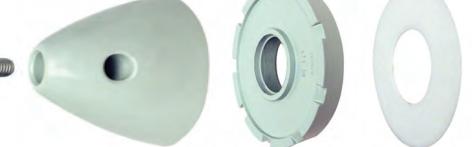
# Volvo Penta

## PROP SERVICE KITS & THRUST RINGS - VOLVO PENTA AQ

### Prop Service Kits - Quick Reference Guide

Kit No. Part No.	No. 23120 PROPSERVICEKIT	No. 23121 PROPSERVICEKIT	No. 23122 PROPSERVICEKIT	No. 23123 PROPSERVICEKIT	No. 23124 PROPSERVICEKIT
<b>No. 23070</b> PLASTIC WASHER	✓			✓	✓
<b>No. 23060</b> TAB WASHER	✓	✓	✓		
<b>No. 23050</b> SPACER WASHER	✓	✓	✓	✓	
<b>No. 23040</b> PROPCONE	✓	✓	✓	✓	✓
<b>No. 23240</b> SCREW	✓		✓	✓	✓

### Prop Service Kits

<b>No. 23120</b> PROPSERVICEKIT OEM: N/A	<b>No. 23123</b> PROPSERVICEKIT OEM: N/A
	

<b>No. 23121</b> PROPSERVICEKIT OEM: N/A	<b>No. 23122</b> PROPSERVICEKIT OEM: N/A	<b>No. 23124</b> PROPSERVICEKIT OEM: N/A
		

### Prop Service Kit Components

<b>No. 23070</b> PLASTIC WASHER OEM: 850888	<b>No. 23060</b> PROLOCK TAB WASHER OEM: 897367	<b>No. 23050</b> SPACER WASHER OEM: 854047	<b>No. 23040</b> PROPCONE OEM: 854045 with No. 23240 Screw	<b>No. 23240</b> SCREW OEM: 850889
				

### Thrust Rings

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

# OMC

## OIL SEALS

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

# OMC

## O-RINGS

GLM	OEM	I.D.	O.D.	W.	GLM	OEM	I.D.	O.D.	W.	GLM	OEM	I.D.	O.D.	W.
<b>Table By OEM Numbers</b>														
<b>80120</b>	202893	3/8	1/2	1/16	<b>81230</b>	309731	1-3/16	1-3/8	3/32	<b>81100</b>	329381	3/8	9/16	3/32
<b>81070</b>	310824	7/32	13/32	3/32	<b>82250</b>	310327	1-7/8	2-1/8	1/8	<b>80100</b>	332583	1/4	3/8	1/16
<b>45230</b>	301877	31/128	73/128	21/128	<b>82390</b>	310414	3-5/8	3-7/8	1/8	<b>80100</b>	332584	1/4	3/8	1/16
<b>81170</b>	301967	13/16	1	3/32	<b>82100</b>	310584	3/4	1	1/8	<b>81080</b>	333572	1/4	7/16	3/32
<b>82260</b>	302337	2	2-1/4	1/8	<b>81160</b>	310585	3/4	15/16	3/32	<b>81450</b>	338518	2-9/16	2-3/4	3/32
<b>82170</b>	302493	1-3/16	1-7/16	1/8	<b>81160</b>	310967	3/4	15/16	3/32	<b>81300</b>	338522	1-5/8	1-13/16	3/32
<b>81260</b>	302537	1-3/8	1-9/16	3/32	<b>80180</b>	311338	3/4	7/8	1/16	<b>81120</b>	339543	1/2	11/16	3/32
<b>82140</b>	302540	1	1-1/4	1/8	<b>82480</b>	313175	4-3/4	5	1/8	<b>82360</b>	553126	3-1/4	3-1/2	1/8
<b>82240</b>	302588	1-3/4	2	1/8	<b>81310</b>	313340	1-11/16	1-7/8	3/32	<b>81220</b>	554545	1-1/8	1-5/16	3/32
<b>81100</b>	303067	3/8	9/16	3/32	<b>82370</b>	313446	3-3/8	3-5/8	1/8	<b>81550</b>	908194	4	4-3/16	3/32
<b>80110</b>	303191	5/16	7/16	1/16	<b>81340</b>	313754	1-7/8	2-1/16	3/32	<b>81440</b>	908383	2-1/2	2-11/16	3/32
<b>81110</b>	303347	7/16	5/8	3/32	<b>80220</b>	314491	1	1-1/8	1/16	<b>81140</b>	909047	5/8	13/16	3/32
<b>82150</b>	303360	1-1/16	1-5/16	1/8	<b>81380</b>	314728	2-1/8	2-5/16	3/32	<b>41120</b>	909048	1/2	11/16	3/32
<b>80140</b>	304174	1/2	5/8	1/16	<b>80100</b>	317178	1/4	3/8	1/16	<b>42140</b>	909139	1	1-1/4	1/8
<b>82400</b>	305123	3-3/4	4	1/8	<b>45200</b>	318372	8mm	16mm	4mm	<b>80230</b>	909140	1-1/16	1-3/16	1/16
<b>82080</b>	305146	5/8	7/8	1/8	<b>83250</b>	318717	1-1/2	1-7/8	3/16	<b>81280</b>	909316	1-1/2	1-11/16	3/32
<b>82030</b>	305242	5/16	9/16	1/8	<b>83200</b>	319085	1-1/8	1-1/12	3/16	<b>81090</b>	909747	5/16	1/2	3/32
<b>82230</b>	305270	1-5/8	1-7/8	1/8	<b>81330</b>	319662	1-13/16	2	3/32	<b>82520</b>	910238	5-1/4	5-1/2	1/8
<b>80100</b>	305739	1/4	3/8	1/16	<b>82130</b>	320140	15/16	1-3/16	1/8	<b>82250</b>	910582	1-7/8	2-1/8	1/8
<b>82310</b>	307082	2-5/8	2-7/8	1/8	<b>82320</b>	320303	2-3/4	3	1/8	<b>80100</b>	911311	1/4	3/8	1/16
<b>80130</b>	307450	7/16	9/16	1/16	<b>80080</b>	321117	3/16	5/16	1/16	<b>82380</b>	911686	3-1/2	3-3/4	1/8
<b>80090</b>	307853	7/32	11/32	1/16	<b>81250</b>	322501	1-5/16	1-1/2	3/32	<b>82430</b>	911700	4-1/8	4-3/8	1/8
<b>82350</b>	308621	3-1/8	3-3/8	1/8	<b>80090</b>	322598	7/32	11/32	1/16	<b>81210</b>	911718	1-1/16	1-1/4	3/32
<b>81290</b>	308458	1-9/16	1-3/4	3/32	<b>81140</b>	326649	5/8	13/16	3/32	<b>81230</b>	911871	1-3/16	1-3/8	3/32
<b>81190</b>	308624	15/16	1-1/8	3/32	<b>82460</b>	326741	4-1/2	4-3/4	1/8	<b>45080</b>	925093	70mm	76mm	3mm
<b>81270</b>	308626	1-7/16	1-5/8	3/32	<b>82440</b>	326849	4-1/4	4-1/2	1/8	<b>81180</b>	3852565	7/8	1-1/6	3/32
<b>82280</b>	308627	2-1/4	2-1/2	1/8	<b>45230</b>	326956	31/128	73/128	21/128					
<b>81400</b>	308876	2-1/4	2-7/16	3/32	<b>81140</b>	329380	5/8	13/16	3/32					
<b>Table By Nominal Size</b>														
<b>80080</b>	321117	3/16	5/16	1/16	<b>81170</b>	301967	13/16	1	3/32	<b>82170</b>	302493	1-3/16	1-7/16	1/8
<b>80090</b>	307853	7/32	11/32	1/16	<b>81180</b>	3852565	7/8	1-1/16	3/32	<b>82230</b>	305270	1-5/8	1-7/8	1/8
<b>80090</b>	322598	7/32	11/32	1/16	<b>81190</b>	308624	15/16	1-1/8	3/32	<b>82240</b>	302588	1-3/4	2	1/8
<b>80100</b>	305739	1/4	3/8	1/16	<b>81210</b>	911718	1-1/16	1-1/4	3/32	<b>82250</b>	310327	1-7/8	2-1/8	1/8
<b>80100</b>	317178	1/4	3/8	1/16	<b>81220</b>	554545	1-1/8	1-5/16	3/32	<b>82250</b>	910582	1-7/8	2-1/8	1/8
<b>80100</b>	332583	1/4	3/8	1/16	<b>81230</b>	309731	1-3/16	1-3/8	3/32	<b>82260</b>	302337	2	2-1/4	1/8
<b>80100</b>	332584	1/4	3/8	1/16	<b>81230</b>	911871	1-3/16	1-3/8	3/32	<b>82280</b>	308627	2-1/4	2-1/2	1/8
<b>80100</b>	911311	1/4	3/8	1/16	<b>81250</b>	322501	1-5/16	1-1/2	3/32	<b>83210</b>	307082	2-5/8	2-7/8	1/8
<b>80110</b>	303191	5/16	7/16	1/16	<b>81260</b>	302537	1-3/8	1-9/16	3/32	<b>82320</b>	320303	2-3/4	3	1/8
<b>80120</b>	202893	3/8	1/2	1/16	<b>81270</b>	308626	1-7/16	1-5/8	3/32	<b>82350</b>	308621	3-1/8	3-3/8	1/8
<b>80130</b>	307450	7/16	9/16	1/16	<b>81280</b>	909316	1-1/2	1-11/16	3/32	<b>82360</b>	553126	3-1/4	3-1/2	1/8
<b>80140</b>	304174	1/2	5/8	1/16	<b>81290</b>	308458	1-9/16	1-3/4	3/32	<b>82370</b>	313446	3-3/8	3-5/8	1/8
<b>80180</b>	311338	3/4	7/8	1/16	<b>81300</b>	338522	1-5/8	1-13/16	3/32	<b>82380</b>	911686	3-1/2	3-3/4	1/8
<b>80220</b>	314491	1	1-1/8	1/16	<b>81310</b>	313340	1-11/16	1-7/8	3/32	<b>82390</b>	310414	3-5/8	3-7/8	1/8
<b>80230</b>	909140	1-1/16	1-3/16	1/16	<b>81330</b>	319662	1-13/16	2	3/32	<b>82400</b>	305123	3-3/4	4	1/8
<b>41120</b>	909048	1/2	11/16	3/32	<b>81340</b>	313754	1-7/8	2-1/16	3/32	<b>82430</b>	911700	4-1/8	4-3/8	1/8
<b>80170</b>	301824	7/32	13/32	3/32	<b>81380</b>	314728	2-1/8	2-5/16	3/32	<b>82440</b>	326849	4-1/4	4-1/2	1/8
<b>81080</b>	333572	1/4	7/16	3/32	<b>81400</b>	308876	2-1/4	2-7/16	3/32	<b>82460</b>	326741	4-1/2	4-3/4	1/8
<b>81090</b>	909747	5/16	1/2	3/32	<b>81440</b>	908383	2-1/2	2-11/16	3/32	<b>82480</b>	313175	4-3/4	5	1/8
<b>81100</b>	303067	3/8	9/16	3/32	<b>81450</b>	338518	2-9/16	2-3/4	3/32	<b>82520</b>	910238	5-1/4	5-1/2	1/8
<b>81100</b>	329381	3/8	9/16	3/32	<b>81550</b>	908194	4	4-3/16	3/32	<b>45230</b>	301877	31/128	73/128	21/128
<b>81110</b>	303347	7/16	5/8	3/32	<b>42140</b>	909139	1	1-1/4	1/8	<b>45230</b>	326956	31/128	73/128	21/128
<b>81120</b>	339543	1/2	11/16	3/32	<b>82030</b>	305242	5/16	9/16	1/8	<b>83200</b>	319085	1-1/8	1-1/2	3/16
<b>81140</b>	326649	5/8	13/16	3/32	<b>82080</b>	305146	5/8	7/8	1/8	<b>83250</b>	318717	1-1/2	1-7/8	3/16
<b>81140</b>	329380	5/8	13/16	3/32	<b>82100</b>	310584	3/4	1	1/8	<b>45080</b>	925093	70mm	76mm	3mm
<b>81140</b>	909047	5/8	13/16	3/32	<b>82130</b>	320140	15/16	1-3/16	1/8	<b>45200</b>	318372	8mm	16mm	4mm
<b>81160</b>	310585	3/4	15/16	3/32	<b>82140</b>	302540	1	1-1/4	1/8					
<b>81160</b>	310967	3/4	15/16	3/32	<b>82150</b>	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						
3.0GS MHUB / MNCA 3.0GS PHUB / PNCA						
3.0GS MLKD / MBYMCE 3.0GS PLKD / PBYMCE						
3.0GS MWTR / MWTS 3.0GS PWTR / PWTS						
3.0GS MEFS / PFES						
3.0GSM-A / B / C 3.0GSP-A / B / C						
3.0GLM-A / B / C 3.0GLP-A / B / C						
3.0GLP-D / E 3.0GLP-J / N						
3.0GXJ-J 3.0GXJC-J			-		-	-
430A 431A						

# 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	 <b>89540</b>	 <b>13381</b>	 <b>71750</b>	 <b>15201</b>	 <b>51520</b>	 <b>51640</b>
432A 434A	 <b>89540</b>	 <b>13381</b>	 <b>71820</b>	 <b>15201</b>	 <b>51520</b>	 <b>51640</b>
4.3GLM MDA 4.3GLP MDA 4.3GSP MDA	 <b>89540</b>	 <b>13431</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GLP HUB 4.3GSP HUB 4.3GSP HUS	 <b>89540</b>	 <b>13431</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GL PNCA / PNCM 4.3GL PNCS / PNCB 4.3GS PNCA / PNCM 4.3GS PNCS / PNCB 4.3Gi PNCA / PNCM 4.3Gi PNCS / PNCB	 <b>89540</b>	 <b>13431</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GL PLK / PBY 4.3GS PLK / PBY 4.3Gi PLK / PBY	 <b>89540</b>	 <b>13431</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GL PWT / PEF 4.3GLP-A 4.3GS PWT 4.3Gi PWT / PEF	 <b>89540</b>	 <b>13431</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GLP-B / C / D 4.3GL-E	 <b>89540</b>	 <b>13025</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GL-EF	 <b>89540</b>	 <b>13045</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GL-G 4.3GL-GF	 <b>89310</b>	 <b>13025</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>

# 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	 <b>89310</b>	 <b>13025</b>	 <b>71820</b>	-	 <b>51336</b>	-
4.3GL-JF 4.3GL-J1)	 <b>89310</b>	 <b>13045</b>	 <b>71820</b>	-	 <b>51336</b>	-
4.3GXi-A	 <b>89540</b>	 <b>13431</b>	 <b>71820</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GX1-B 4.30Si-B	 <b>89540</b>	 <b>13431</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GXi-BF / CF 4.3GXi-DF / EF 4.30Si-BF / CF 4.30Si-DF / EF	 <b>89540</b>	 <b>13045</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GXi-C / D / E 4.30Si-C / D / E	 <b>89540</b>	 <b>13025</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GXi-F / G 4.30Si-F / G	 <b>89310</b>	 <b>13025</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GXi-FF / GF 4.30Si-FF / GF	 <b>89310</b>	 <b>13045</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51480</b>
4.3GXi-J 4.30Si-J 4.3GXi-E-M	 <b>89310</b>	 <b>13025</b>	 <b>71890</b>	-	 <b>51336</b>	-
4.3GXi-JF 4.3GXi-J1) 4.30Si-JF 4.3GXi-E-M1)	 <b>89310</b>	 <b>13045</b>	 <b>71890</b>	-	 <b>51336</b>	-

# 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	 <b>89540</b>	 <b>13381</b>	 <b>71730</b>	 <b>15201</b>	 <b>51510</b>	 <b>51630</b>
5.0GL-A 5.0GL PEF 5.0GL PWT 5.0GL PBY	 <b>89540</b>	 <b>13431</b>	 <b>71730</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.7GL-A 5.7GL PMDA 5.7GL PNCS 5.7GL PLK	 <b>89540</b>	 <b>13431</b>	 <b>71730</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.7GS PLK 5.7GS PBY 5.7GS PWT 5.7GS PEF	 <b>89540</b>	 <b>13431</b>	 <b>71730</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GL-B 5.7GL-B	 <b>89540</b>	 <b>13431</b>	 <b>71880</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GL-C / D / E 5.7GL-C / D / E	 <b>89540</b>	 <b>13025</b>	 <b>71880</b>  <b>71860</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GL-F 5.0GL-G	 <b>89310</b>	 <b>13025</b>	 <b>71880</b>  <b>71860</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GL-FF 5.0GL-GF	 <b>89310</b>	 <b>13045</b>	 <b>71880</b>  <b>71860</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GL-J	 <b>89310</b>	 <b>13025</b>	 <b>71880</b>  <b>71860</b>	 <b>15201</b>	 <b>51338</b>	 <b>51430</b>
5.0GL-JF 5.0GL-J1)	 <b>89310</b>	 <b>13045</b>	 <b>71880</b>  <b>71860</b>	 <b>15201</b>	 <b>51338</b>	 <b>51430</b>

# 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	 <b>89540</b>	 <b>13431</b>	 <b>71880</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.7Gi PHUS 5.7Gi PMDA 5.7Gi PNCA 5.7Gi PNCB 5.7Gi PNCM 5.7Gi PNCS	 <b>89540</b>	 <b>13431</b>	 <b>71880</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.7GSi PLK 5.7GSi PBY 5.7GSi PWTR 5.7GSi PEFS 5.7GXi-A / B	 <b>89540</b>	 <b>13431</b>	 <b>71880</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GXi-B 5.0OSi-B 5.7Gi-B 5.7OSi-A 5.7GXi-C 5.7OSXi-A	 <b>89540</b>	 <b>13431</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GXi-BF 5.0OSi-BF 5.7Gi-BF 5.7OSi-AF 5.7GXi-CF 5.7OSXi-AF	 <b>89540</b>	 <b>13045</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GXi-C / D 5.0OSi-C / D 5.7Gi-C / D 5.7OSi-B / C 5.7GXi-D / E 5.7OSXi-B / C	 <b>89540</b>	 <b>13025</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GXi-CF / DF 5.0OSi-CF / DF 5.7Gi-CF / DF 5.7OSi-BF / CF 5.7GXi-DF / EF 5.7OSXi-BF / CF	 <b>89540</b>	 <b>13045</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GXi-E 5.0OSi-E 5.7Gi-E 5.7OSi-D 5.7GXi-F 5.7OSXi-D	 <b>89540</b>	 <b>13025</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GXi-EF 5.0OSi-EF 5.7Gi-EF 5.7OSi-DF 5.7GXi-FF 5.7OSXi-DF	 <b>89540</b>	 <b>13045</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GXi-F / G 5.0OSi -F / G 5.7Gi-F / G 5.7OSi-E / G 5.7GXi-G / H 5.7OSXi -E / G	 <b>89310</b>	 <b>13025</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>

# 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	 <b>89310</b>	 <b>13045</b>	 <b>71890</b>	 <b>15201</b>	 <b>51330</b>	 <b>51430</b>
5.0GXi-J / N 5.0OSi-J 5.7Gi-J / N 5.7OSi-J 5.7GXi-J / N 5.7OSXi-J	 <b>89310</b>	 <b>13025</b>	 <b>71890</b>	 <b>15201</b>	 <b>51338</b>	 <b>51430</b>
5.0GXi-JF / J1) / N1) 5.0OSi-JF 5.7Gi-JF / J1) / N1) 5.7OSi-JF 5.7GXi-JF / J1) / N1) 5.7OSXi-JF	 <b>89310</b>	 <b>13045</b>	 <b>71890</b>	 <b>15201</b>	 <b>51338</b>	 <b>51430</b>
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	 <b>89310</b>	 <b>13025</b>	 <b>71890</b>	 <b>15201</b>	 <b>51338</b>	 <b>51430</b>
5.0GXiE-JF / KF / MF / N1) 5.0OSiE-JF 5.7GiE-JF / KF / MF / N1) 5.7OSiE-JF 5.7GXiE-JF / KF / MF / N1)	 <b>89310</b>	 <b>13045</b>	 <b>71890</b>	 <b>15201</b>	 <b>51338</b>	 <b>51430</b>
5.0FLPMDA 5.8FLPMDA	 <b>89610</b>	 <b>13431</b>	 <b>71730</b>	-	 <b>51330</b>	 <b>51490</b>
5.0FLPHU 5.0FLPNCA 5.0FLPNCM 5.0FLPNCS 5.0FLPNCB	 <b>89540</b>	 <b>13431</b>	 <b>71730</b>	-	 <b>51330</b>	 <b>51490</b>
5.8FLPHU 5.8FLPNCA 5.8FLPNCM 5.8FLPNCS 5.8FLPNCB	 <b>89540</b>	 <b>13431</b>	 <b>71730</b>	-	 <b>51330</b>	 <b>51490</b>
5.0FiPMDA 5.0FiPMMD 5.8FiPMDA 5.8FiPMMD	 <b>89610</b>	 <b>13431</b>	-	-	 <b>51334 - stbd</b> <b>51332 - port</b>	 <b>51490</b>
5.0FiPHU 5.8FiPHU 5.8FSiPHU	 <b>89540</b>	 <b>13431</b>	-	-	 <b>51334 - stbd</b> <b>51332 - port</b>	 <b>51490</b>

# 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	 <b>89540</b>	 <b>13431</b>	-	-	 <b>51334 - stbd</b> <b>51332 - port</b>	 <b>51490</b>
5.0FiPNCS 5.0FiPNCB 5.8FiPNCS 5.8FiPNCB 5.8FSiPNCD 5.8FSiPNCS	 <b>89540</b>	 <b>13431</b>	-	-	 <b>51334 - stbd</b> <b>51332 - port</b>	 <b>51490</b>
740A 740B	-	 <b>13381</b>	 <b>71730</b>	 <b>15301</b>	-	-
7.4GLPMD 8.2GLPMD	 <b>89610</b>	 <b>13028</b>	 <b>71730</b>	 <b>15301</b>	 <b>51330</b>	 <b>51500</b>
7.4GL PHU 7.4GL PLK 7.4GL PNCA 7.4GL PNCB 7.4GL PNCM 7.4GL PNCS	 <b>89540</b>	 <b>13028</b>	 <b>71730</b>	 <b>15301</b>	 <b>51330</b>	 <b>51500</b>
7.4Gi-PHUB / PNCA 7.4Gi-PNBM 7.4GSi-PHUB / XNCM 7.4Gi-PNCS / PNCB 7.4Gi-PLKD / PLKE	 <b>89540</b>	 <b>13028</b>	 <b>71880</b>	 <b>15301</b>	 <b>51330</b>	 <b>51500</b>
7.4GSiXNCB 7.4GiPBY 8.2GSiXNCB DPX385 / DPX415 LK / BY	 <b>89540</b>	 <b>13028</b>	 <b>71880</b>	 <b>15301</b>	 <b>51330</b>	 <b>51500</b>
7.4Gi PWT 7.4Gi PEF	 <b>89540</b>	 <b>13028</b>	 <b>71880</b>	 <b>15301</b>	 <b>51330</b>	 <b>51500</b>
7.4GSi XWT / XEF 8.2GSi XWT / XEF DPX385 XWT / XEF DPX415 XWT / XEF	 <b>89540</b>	 <b>13028</b>	 <b>71880</b>	 <b>15301</b>	 <b>51330</b>	 <b>51500</b>
8.1Gi-A / B 8.1GSi-A 8.1GX-A DPX375-A / B DPX420-A / B	 <b>89540</b>	 <b>13065</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>

# 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	 <b>89540</b>	 <b>13045</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>
8.1OSi-AF / BF DPX375-BF / CF DPX420-BF / CF	 <b>89540</b>	 <b>13045</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>
8.1Gi-C / D / E / F 8.1GXi-B / C / D / E 8.1OSi-A / B	 <b>89540</b>	 <b>13065</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>
8.1Gi-G / H / J 8.1GXi-F / G / J 8.1OSi-C / D	 <b>89310</b>	 <b>13065</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>
8.1Gi-GF / HF 8.1GXi-FF / GF 8.1OSi-CF / DF	 <b>89310</b>	 <b>13045</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>
8.1GI-E / J / K / M 8.1GXiE-J / K / M 8.10Si-J 8.10SiE-J	 <b>89310</b>	 <b>13065</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>
8.1Gi-JF / J1) 8.1GiE-JF / KF 8.1GiE-MF / M1) 8.1GXi-JF / J1)	 <b>89310</b>	 <b>13065</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>
8.1GXiE-JF / KF 8.1GXiE-MF / M1) 8.10Si-JF 8.10SiE - JF	 <b>89310</b>	 <b>13065</b>	-	 <b>15330</b>	 <b>51330</b>	 <b>51500</b>
DPX500 DPX525 DPX600	 <b>89310</b>	-	-	 <b>15330</b>	-	-

# 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							 87760 87780
250							 87760 87780
270 270T							 87760 87780
275 275A 285A							 87760 87780
280 280TA 280PT							 87760 87780
280DP						-	 87760 87770
290 290A				-			 87760 87780
SP-A SP-A1 SP-A2				-			 87760 87780
SP-C SP-C1 SP-E				-			 87760 87780
290DP				-		-	 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	 <b>89030</b>	 <b>89020</b>	 <b>12899</b>	-	 <b>23092</b>	-	 <b>87760</b>  <b>87770</b>
DP-C / C1 DP-D / D1 DP-E	 <b>89030</b>	 <b>89020</b>	 <b>12899</b>	-	 <b>23093</b>	-	 <b>87760</b>  <b>87770</b>
DP-G	 <b>89030</b>	-	 <b>12899</b>	-	 <b>23093</b>	-	-
DPX-S DPX-S1 DPX-R	 <b>89030</b>	 <b>89020</b>	-	-	-	-	 <b>87760</b>
DPX-A	-	 <b>89020</b>	-	-	-	-	-
DPH-A / B	-	-	 <b>12933</b>	-	-	-	-
DPR-A/B	-	-	 <b>12948</b>	-	-	-	-
SX-S	 <b>89200</b>	 <b>89190</b>	 <b>12921</b>	-	-	-	 <b>87740</b>
SX-C SX-R SX-M	 <b>89200</b>	 <b>89190</b>	 <b>12921</b>	-	-	-	 <b>87740/87750</b>
DP-S	 <b>89200</b>	 <b>89190</b>	 <b>12921</b>	-	-	-	 <b>87740</b>

# 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	 <b>89200</b>	 <b>89190</b>	 <b>12921</b>	-	-	-	 <b>87740</b>
SX-A	 <b>89200</b>	-	 <b>12938</b>	-	-	-	-
DPS-A / B DPS-A OXi DPS-B OXi	 <b>89200</b>	-	 <b>12938</b>	-	-	-	-
XDP	-	-	 <b>12941</b>	-	-	-	-

**NOTES:**

## **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 products 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 "Returned Goods Authorization #"). Packages or boxes without your assigned RGA# on the outside and on all related submitted documents will be refused. No returns will be accepted without a RGA#.
- 2) All returns must include a copy of the completed warranty application. (Application is available at [www.glmmarine.com](http://www.glmmarine.com), on 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 dealer.
  - 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 USA  
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.

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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.	C. Invoice for installation of warranted parts.
B. Proposed invoice to GLM from the Dealer for repairs.	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.



# Superior Marine Manifolds

MerCruiser V6



MerCruiser V8



OMC GM V6



OMC Ford V8



Gaskets & Hardware  
Included

**100% Complete**  
*Conversion Kits*

MerCruiser GM V6

MerCruiser GM V8 S.B.

MerCruiser GM V8 B.B.

OMC / Volvo Ford V8 (Carb.)

OMC / Volvo Ford V8 (EFI)

Volvo GM V6 th 1993

OMC / Volvo GM V6

OMC / Volvo GM V8 S.B.

Volvo GM V8 to 1991

OMC / Volvo GM V8 S.B.



Gaskets & Hardware  
Included

**100% Complete**  
*Manifold Sets*

**4-Cylinder thru V8 B.B.**  
*Manifolds*



MerCruiser  
OMC  
Volvo Penta  
Marine Power  
Indmar  
Barr

Gaskets Included

**Dry Joint Alternative**  
*Manifold-Elbow Set*

MerCruiser V6



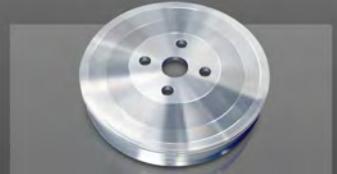
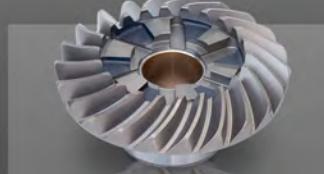
MerCruiser V8



Gaskets & Hardware  
Included

**and much more!**

*Over 4,000 Aftermarket Marine Parts*



[www.glmmarine.com](http://www.glmmarine.com)



**www.glmmarine.com**

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**Master** (Print Version)

**Manifolds**

**MerCruiser**

**Mercury/Mariner/Force**

**OMC/Volvo Penta**

**Johnson/Evinrude**

**Yamaha**

**Suzuki**

**Anodes**



**GLM Products, Inc.**

705 Los Angeles Ave., Monrovia, CA 91016

Tel (626) 357-0077, Fax (626) 357-0600

info@glmmarine.com

Digital Version:  
GOV24V2