



Manifold Catalog



GLM Products, Inc. is committed to producing the highest quality and cost efficient aftermarket marine products in the industry. At GLM, we use only the highest quality materials and most advanced technology for our product line, enabling us to produce the most reliable and compatible products for the marine aftermarket parts industry.

GLM offers an exciting line of exceptional products, which are brand new from factory and compatible and interchangeable with OEM application. Our in-house design and engineering teams enable us to make improvements on original OEM materials and designs. At GLM, we strive to include all new advancements, improvements, and superior materials with the ever-changing world of technology.

Consider the many additions to GLM's line over the past several years. No other aftermarket manufacturer can compare with our variety of products being offered that GLM has developed and re-designed. When you invest in a GLM product, you can be assured that you are receiving the highest quality aftermarket marine part available. GLM's innovation and exclusive aftermarket products keep us the only source for all your boat repair or maintenance needs.

At GLM Products, Inc. we deliver the highest quality and most complete line of over 4,000 aftermarket marine parts sold worldwide. At GLM, we are...

...the Leader of the Aftermarket Marine Parts Industry!



Contents of this catalog are copyrighted. Reproduction of any or all of its contents is prohibited. We have prepared this catalog to provide you with information that is helpful and accurate as possible. Although care has been taken to assure the accuracy of the data presented in this catalog, GLM Products, Inc. does not assume any liability for errors or omissions. All illustrations, photos, etc. used in this catalog are intended as representative views for reference only. MerCruiser and Mercury/Mariner/Force are registered trademarks of the Brunswick Corporation; OMC Cobra and OMC Stringer are registered trademarks of Outboard Marine Corporation; Volvo Penta is a registered trademark of AB Volvo; Johnson/Evinrude are registered trademarks of Bombardier Motor Corporation of America; Yamaha is a registered trademark of Yamaha Motor Company, U.S.A.; GLM is a registered trademark of GLM Products, Inc. Copyright © 2022.

TABLE OF CONTENTS

GLM COMPLETE MANIFOLD LINE

MERCURISER - WET JOINT

Exploded Views, Gaskets & Components Section 1

Wet Joint Manifolds vs. Dry Joint Manifolds Comparison	6
Wet Joint Manifolds Section	7
Wet Joint - Inline 4, 181 CID (1968-82)	8-9
Wet Joint - Inline 4, 153/181 CID (1982-95) Old Style	10-11
Wet Joint - Inline 4, 153/181 CID (1982-95) New Style & 181 CID (1990 & Up)	12-13
Wet Joint - Inline 4, 224 CID (1980-89)	13
Wet Joint - Ex. Manifolds, Elbows & Complete Kit - 4-Cyl ...	14
Wet Joint - V6 Exhaust Manifold Dimensions	15
Wet Joint - V6 - 229/262 CID (1983 up to 0M SN#'s)	16-17
Wet Joint - Complete Exhaust Manifold Kits - GM V6	18
Wet Joint - Exhaust Manifold & Elbows - GM V6	19
Wet Joint - Complete Manifold Conversion Kit - GM V6	20
Wet Joint - V8 S.B. Exhaust Manifold Dimensions	21
Wet Joint - V8 S.B. - 305/350/377 CID (1983 up to 0M SN#'s) ..	22-23
Wet Joint - Complete Exhaust Manifold Kits - GM V8 S.B. ...	24
Wet Joint - Exhaust Manifold & Elbows - GM V8 S.B.	25
Wet Joint - Complete Manifold Conversion Kit - GM V8 S.B.	26
Wet Joint - V8 B.B. Exhaust Manifold Dimensions	27
Wet Joint - V8 B.B. - 454/502 VCID (1981 & Up)	28-29
Wet Joint - Complete Exhaust Manifold Kits - GM V8 B.B. ...	30
Wet Joint - Exhaust Manifold & Elbows - GM V8 S.B.	31
Wet Joint - Complete Manifold Kit w/ 460 Adapter Plates - V8 B.B ...	32
Wet Joint - 3" & 6" Spacer Kits / Spacers - Std. Cooling	33
Wet Joint - Ex. Gasket Sets, Mounting Kits, Manifold Gaskets ..	34-35
Wet Joint - Exhaust Elbow Mounting Kits	36
Wet Joint - Exhaust Elbow Gaskets, End Cap Gaskets & Fitting Kit.	37
Exhaust Flapper Valves, Water Shutters & Exhaust Bellows	38
GLM Manifold Applications for Mercruiser Wet Joint	39-42
GLM V8 S.B. / V8 B.B. Exhaust System Evaluation	43-45

MERCURISER - DRY JOINT

Exploded Views, Gaskets & Components Section 2

Wet Joint Manifolds vs. Dry Joint Manifolds Comparison ...	48
Dry Joint Manifolds Section	49
Dry Joint - 7° V6/V8 S.B. Exhaust Manifold Dimensions ..	50-51
Dry Joint - 7° GM V6/V8 S.B. (2002-2004)	52-53
Dry Joint - 7° V6/V8 S.B. Complete Exhaust Manifold Kits	54
Dry Joint - 7° V6/V8 S.B. Exhaust Manifolds & Elbow	54
Dry Joint - 3" Spacer Kits for 7° Warm Risers	54
Dry Joint - 14° V6/V8 S.B. Exhaust Manifold Dimensions	55
Dry Joint - 14° GM V6/V8 S.B. (2005-2010)	56-57

MERCURISER - DRY JOINT Cont...

Exploded Views, Gaskets & Components Section 2

Dry Joint - 14° V6/V8 S.B. Complete Exhaust Manifold Kits ..	58
Dry Joint - 14° V6/V8 S.B. Exhaust Manifolds & Elbow	58
Dry Joint - 1.7" & 3" Spacer Kits for 14° Warm Risers	59
Dry Joint - V6/V8 S.B. Exhaust Manifold & Elbow Gaskets ...	60
Dry Joint "Alternative" - Dry Joint System Replacement Option	61
Dry Joint "Alternative" - GM V6 & V8 S.B. (0M SN#'s & Up)	62-63
Dry Joint "Alternative" - V6/V8 Complete Ex. Manifold Kits & Spacers .	64
Dry Joint "Alternative" - V6/V8 Ex. Manifolds, Elbow & Spacer Kit	64
Dry Joint "Alternative" - V6/V8 Exhaust Manifold Dimensions	65
Exhaust Flapper Valves, Water Shutters & Exhaust Bellows	66

OMC

Exploded Views, Gaskets & Components Section 3

4-Cylinder, 181 CID (1973-90)	68
4-Cylinder, 181 CID (1991 & Up)	69
V6 Exhaust Manifold Dimensions	70
V6, 262 CID (1986 & Up)	71
Complete Exhaust Manifold Kit, Manifold & Elbow - 4-Cyl. ...	72
Complete Exhaust Manifold Kits - Standard & Hi-Rise - V6 ..	72
Complete Exhaust Manifold, Std. & Hi-Rise Elbow - V6	72
Complete Exhaust Manifold Conversion Kit - GM V6	73
V8 S.B. Exhaust Manifold Dimensions	74-75
V8 S.B. - 305/350 CID (1979-89)	76
V8 S.B. - GM 350 CID (1989 & Up)	77
V8 S.B. - FORD 302/351 CID (1991 & Up)	78
Complete Exhaust Manifold Kits - V8 S.B.	79
Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 S.B.	80
Exhaust Manifolds, Standard & Hi-Rise Elbows - V8 S.B.	81
Complete Ex. Manifold Conversion Kit - FORD V8 S.B.	82
V8 B.B. Exhaust Manifold Dimensions	83
V8 B.B. - GM 454/502 CID (1991 & Up)	84
Complete Exhaust Manifold Kits - V8 B.B.	85
Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 B.B.	85
Exhaust Manifold, Standard & Hi-Rise Elbow - V8 B.B.	85
Complete Manifold Kit w/ 460 Adapter Plates - V8 B.B.	86
Exhaust Manifold Gasket & Hardware Kits	87
Exhaust Flapper Valves, Bellows/Hoses, Caps & Clamps	88

VOLVO PENTA

Exploded Views, Gaskets & Components Section 4

4-Cylinder, 181 CID (1993 & Up)	90
---------------------------------------	----

TABLE OF CONTENTS

GLM COMPLETE MANIFOLD LINE CONT...

VOLVO PENTA Cont...

Exploded Views, Gaskets & Components Section 4

V6 Exhaust Manifold Dimensions	91
V6 - AQ 175-434 (1993 & Before)	92
V6 - 262 CID (1993 & Up)	93
Complete Exhaust Manifold Kit, Manifold & Elbow - 4-Cyl. ...	94
Complete Exhaust Manifold Kits - V6	94
Exhaust Manifolds & Elbows - V6	94-95
Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V6	95
Exhaust Manifold & Hi-Rise Elbows - V6	95
V8 S.B. Exhaust Manifold Dimensions - GM	96
V8 S.B. Exhaust Manifold Dimensions - FORD	97
V8 S.B. - 305/350 CID (1993 & Before)	98
V8 S.B. - 305/350 CID (1993 & Up)	99
V8 S.B. - FORD 302/351 CID (1993 & Up)	100
Complete Exhaust Manifold Kits - V8 S.B.	101
Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 S.B.	102
Exhaust Manifolds, Standard & Hi-Rise Elbows - V8 S.B. ...	103
V8 B.B. Exhaust Manifold Dimensions	104
V8 B.B., 454/502 CID (1993 & Up)	105
Complete Exhaust Manifold Kits - V8 B.B.	106
Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 B.B. ...	106
Exhaust Manifold, Standard & Hi-Rise Elbows - V8 B.B.	106
Complete Manifold Kit w/ 460 Adapter Plates - V8 B.B.	107
Exhaust Manifold Gasket & Hardware Kits	108
Exhaust Flapper Valves, Bellows/Hoses, Cap & Clamps	109

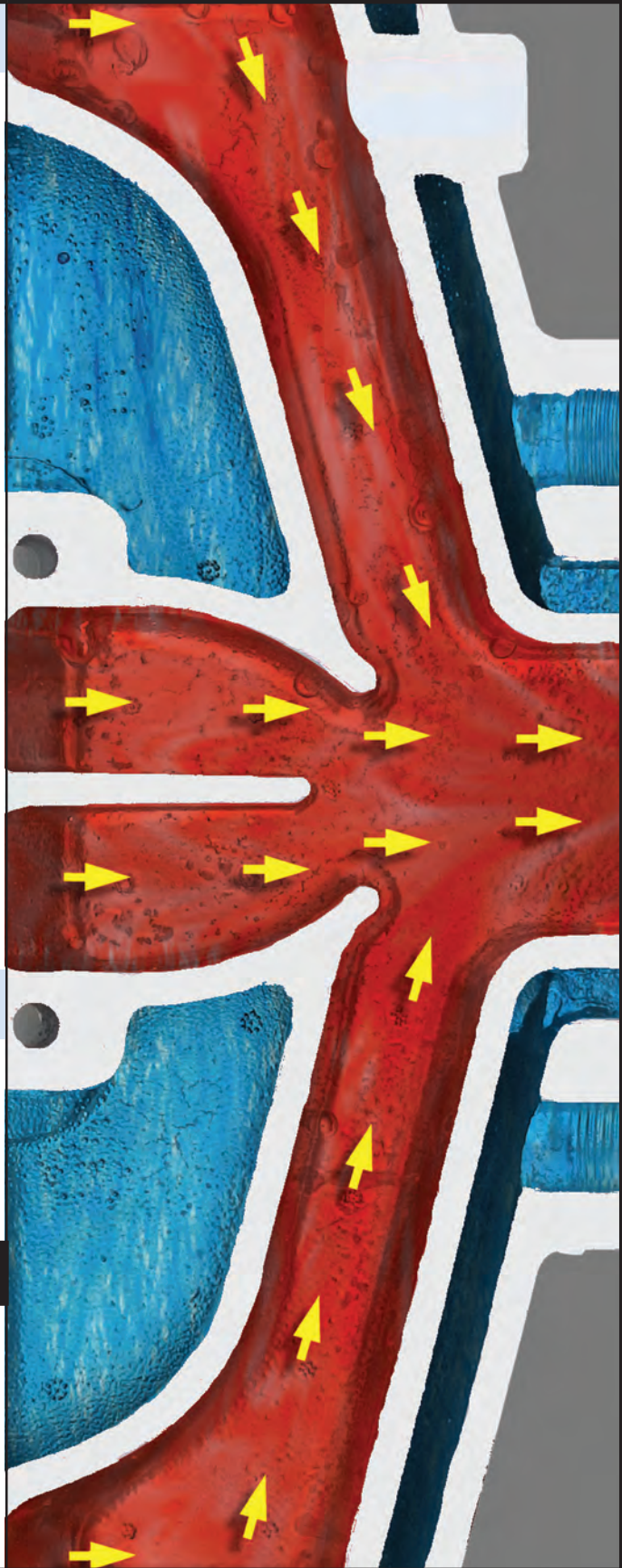
BARR | INDMAR | MARINE POWER

Exploded Views, Gaskets & Components Section 5

V8 S.B. - 305/350 CID	112
V8 S.B. FORD - 302/351 CID	113
V8 B.B. - 454/502 CID	114
Exhaust Elbows - 3" & 4"	115
Exhaust Manifold Gasket & Hardware Kits	115

WARRANTY

Notes	117
Limited Warranty of GLM Products, Inc	118
Warranty Service Procedure	119
Warranty Claim Application	120



Section 1

Mercruiser - Wet Joint Exploded Views, Gaskets & Components

<i>Wet Joint Manifolds vs. Dry Joint Manifolds Comparison</i>	6
<i>Wet Joint Manifolds Section</i>	7
<i>Wet Joint - Inline 4 - 181 CID (1968-82)</i>	8-9
<i>Wet Joint - Inline 4 - 153/181 CID (1982-95) Old Style</i>	10-11
<i>Wet Joint - Inline 4 - 153/181 CID (1982-95) New Style & 181 CID (1990 & Up).....</i>	12-13
<i>Wet Joint - Inline 4 - 224 CID (1980-89)</i>	13
<i>Wet Joint - Exhaust Manifolds, Elbows & Complete Kit - 4-Cyl....</i>	14
<i>Wet Joint - V6 Exhaust Manifold Dimensions</i>	15
<i>Wet Joint - V6 - 229/262 CID (1983 up to 0M SN#'s)</i>	16-17
<i>Wet Joint - Complete Exhaust Manifold Kits - GM V6</i>	18
<i>Wet Joint - Exhaust Manifold & Elbows - GM V6</i>	19
<i>Wet Joint - Complete Manifold Conversion Kit - GM V6.....</i>	20
<i>Wet Joint - V8 S.B. Exhaust Manifold Dimensions.....</i>	21
<i>Wet Joint - V8 S.B.- 305/350/377 CID (1983 up to 0M SN#'s)</i>	22-23
<i>Wet Joint - Complete Exhaust Manifold Kits - GM V8 S. B.</i>	24
<i>Wet Joint - Exhaust Manifold & Elbows - GM V8 S.B.....</i>	25
<i>Wet Joint - Complete Manifold Conversion Kit - GM V8 S.B.</i>	26
<i>Wet Joint - V8 B.B. Exhaust Manifold Dimensions.....</i>	27
<i>Wet Joint - V8 B.B - 454/502 CID (1981 & Up)</i>	28-29
<i>Wet Joint - Complete Exhaust Manifold Kits - GM V8 B.B.....</i>	30
<i>Wet Joint - Exhaust Manifold & Elbows - GM V8 B.B.....</i>	31
<i>Wet Joint - Complete Manifold Kit w/ 460 Adapter Plates - V8 B.B.</i>	32
<i>Wet Joint - 3" & 6" Spacer Kits / Spacers - Standard Cooling.....</i>	33
<i>Wet Joint - Exhaust Gasket Sets, Mounting Kits, Manifold Gaskets ..</i>	34-35
<i>Wet Joint - Exhaust Elbow Mounting Kits</i>	36
<i>Wet Joint - Exhaust Elbow Gaskets, End Cap Gaskets & Fitting Kit.....</i>	37
<i>Exhaust Flapper Valves, Water Shutters & Exhaust Bellows</i>	38
<i>GLM Manifold Applications for Mercruiser</i>	39-42
<i>GLM V8 S.B. / V8 B.B. Exhaust System Evaluation</i>	43-45

MerCruiser

WET JOINT VS. DRY JOINT COMPARISON

Mechanics suggest replacing the exhaust manifolds every 3-5 years because the gasket surface between the manifolds and elbow corrodes and the gasket fails. This can allow water from the exhaust system to enter the exhaust ports of the engine.

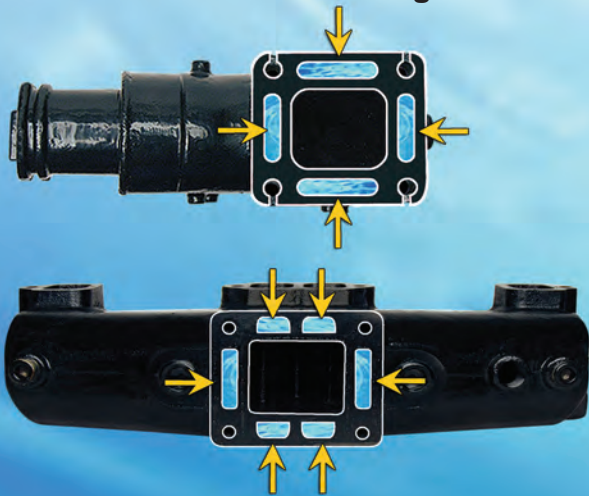
From 1983 to 2002 MerCruiser used an *internal* method of transferring water from the manifold to the elbow. This is called the “Wet Joint” exhaust system. In this system the water jackets are casted directly into the elbow.

In 2002 MerCruiser improved the method of transferring water from the manifold to the elbow. This is called the “Dry Joint” exhaust system. If the passages eventually failed from corrosion the water would simply leak into the bilge of the boat and not inside the exhaust ports of the engine.

GLM Products, Inc. has developed exhaust manifold kits that allow for the replacement of both, the 2002 and newer “Dry Joint” and the 1983-2002 “Wet Joint” manifolds and elbows. The new replacement manifolds and elbows will last much longer than the OEM manifolds and elbows, backed by a 3 Yr. Warranty that will give boaters “peace of mind”.

WET JOINT (1983-2002)

Internal Water Passages



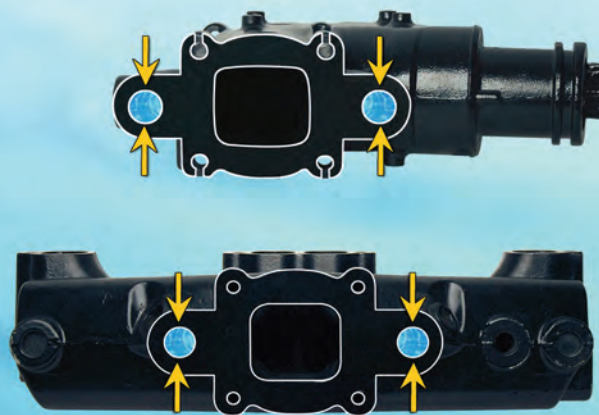
Elbow used with Wet Joint Manifolds 1987-2002

- 4" Hose
- 7° Angle
- 6.72" Tall



DRY JOINT (2002-2010)

External Water Passages



Elbow used with Dry Joint Manifolds 2002-2010

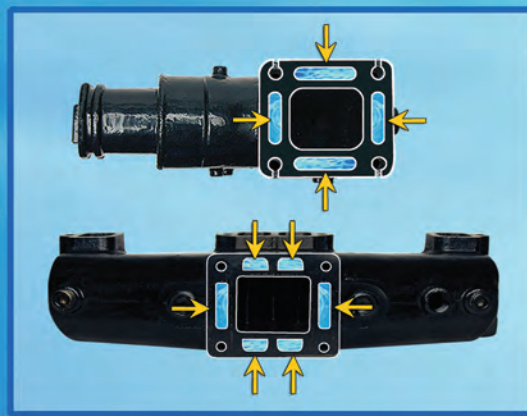
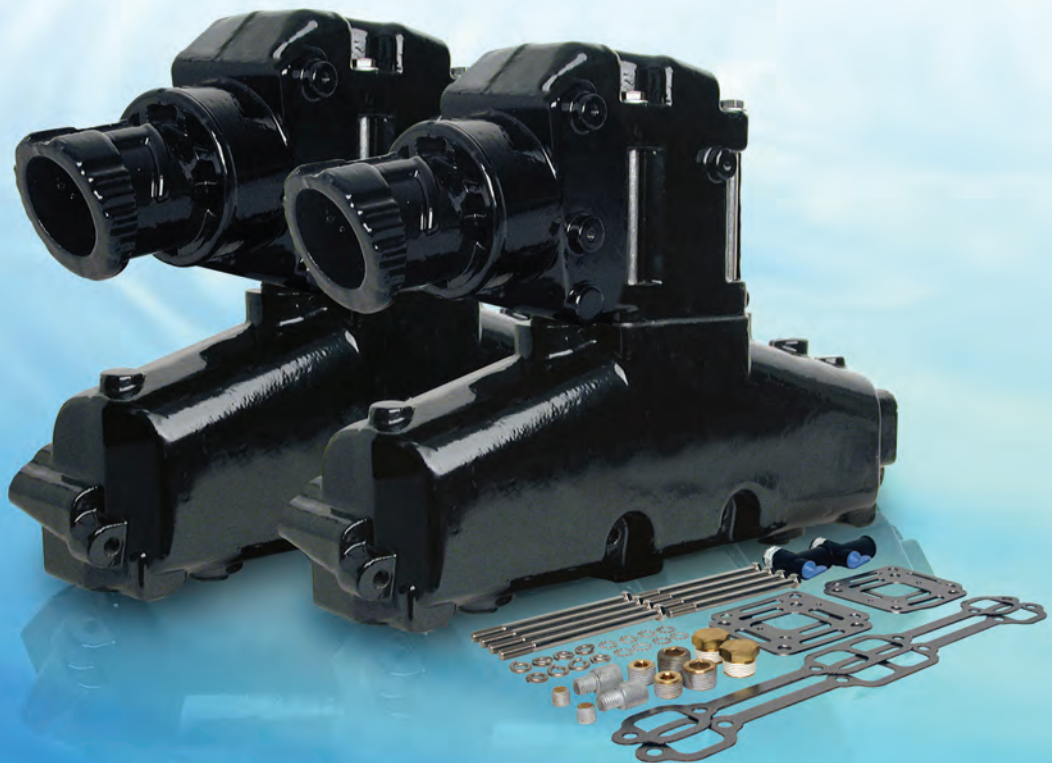
- 4" Hose
- 7° Angle
- 6.72" Tall



MerCruiser

WET JOINT

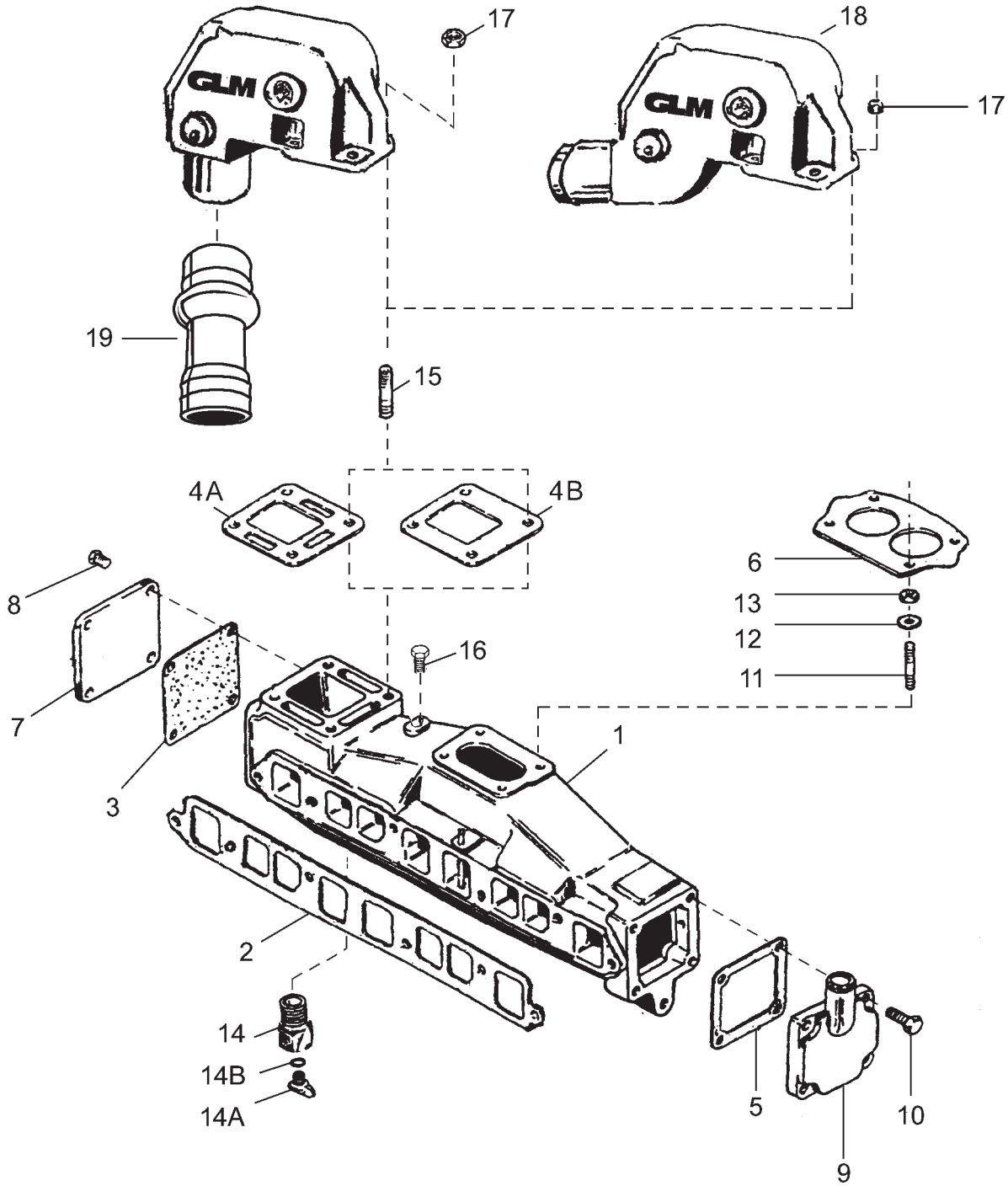
**MANIFOLDS & ELBOWS
with
Internal Water Passages**



MerCruiser

WET JOINT

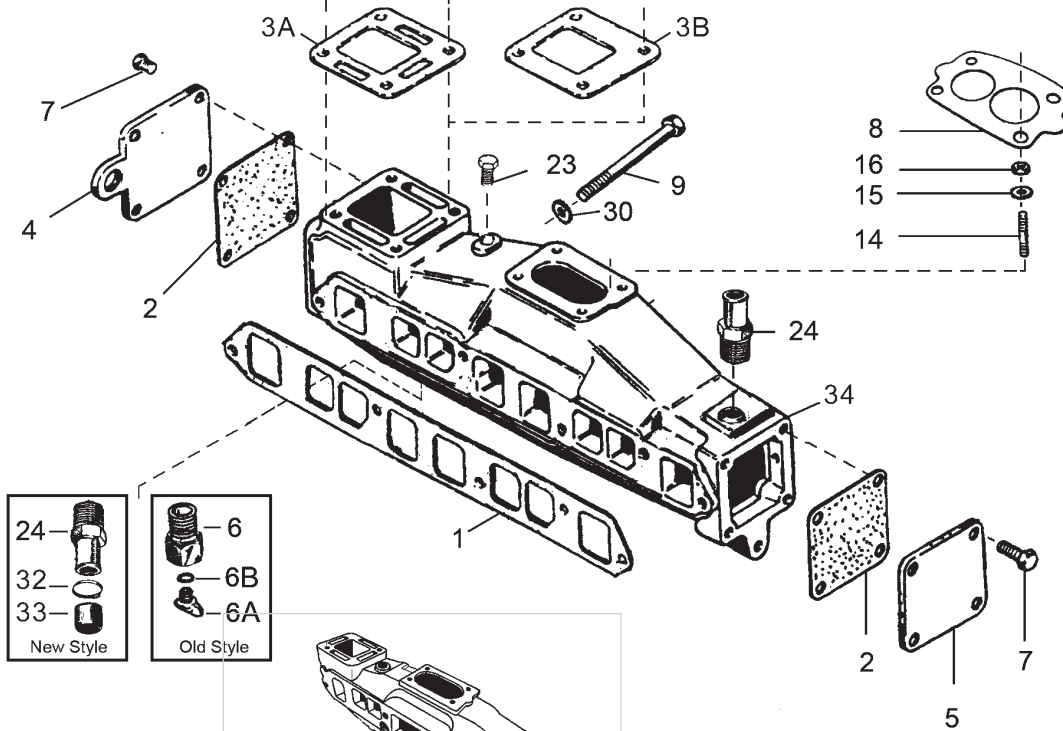
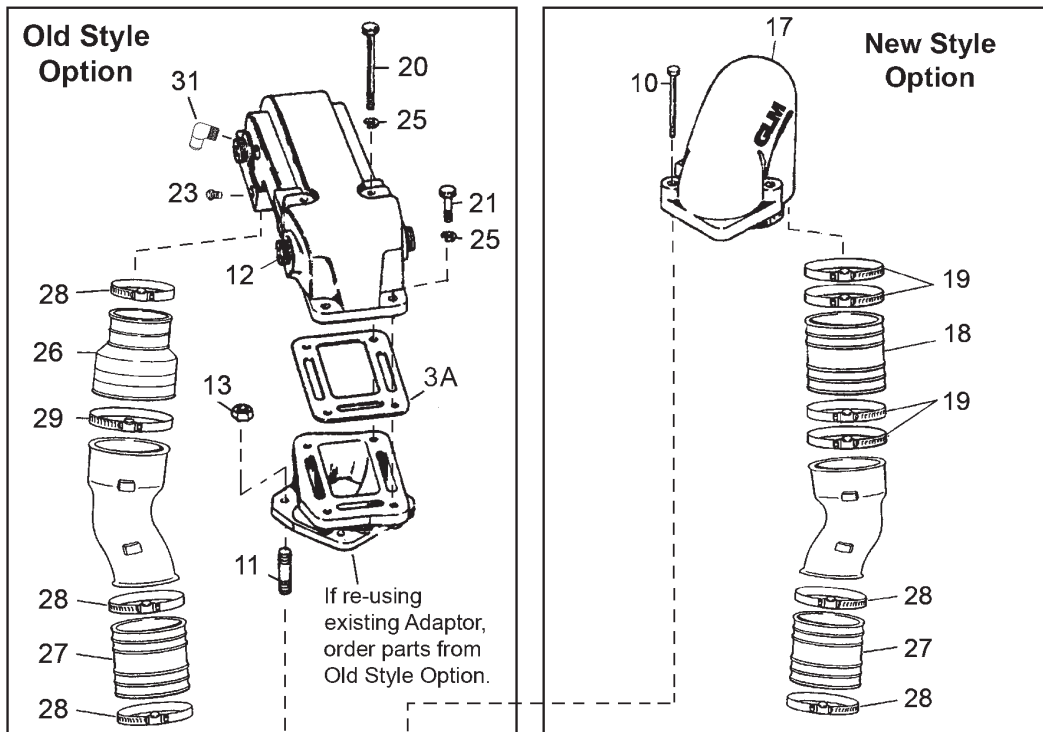
MODEL 140 - INLINE 4, GM 181 CID, 4-CYL. (1968-82)



MerCruiser

WET JOINT

MODEL 120/140 - INLINE 4, 153/181 CID, 4-CYL. (1982-95)



New Design
(See pages 12-13)



MerCruiser

WET JOINT

MODEL 120/140 - INLINE 4, 153/181 CID, 4-CYL. (1982-95)
MODEL 3.0LX/3.0L - INLINE 4, GM 181 CID, 4-CYL. (1990 & UP)

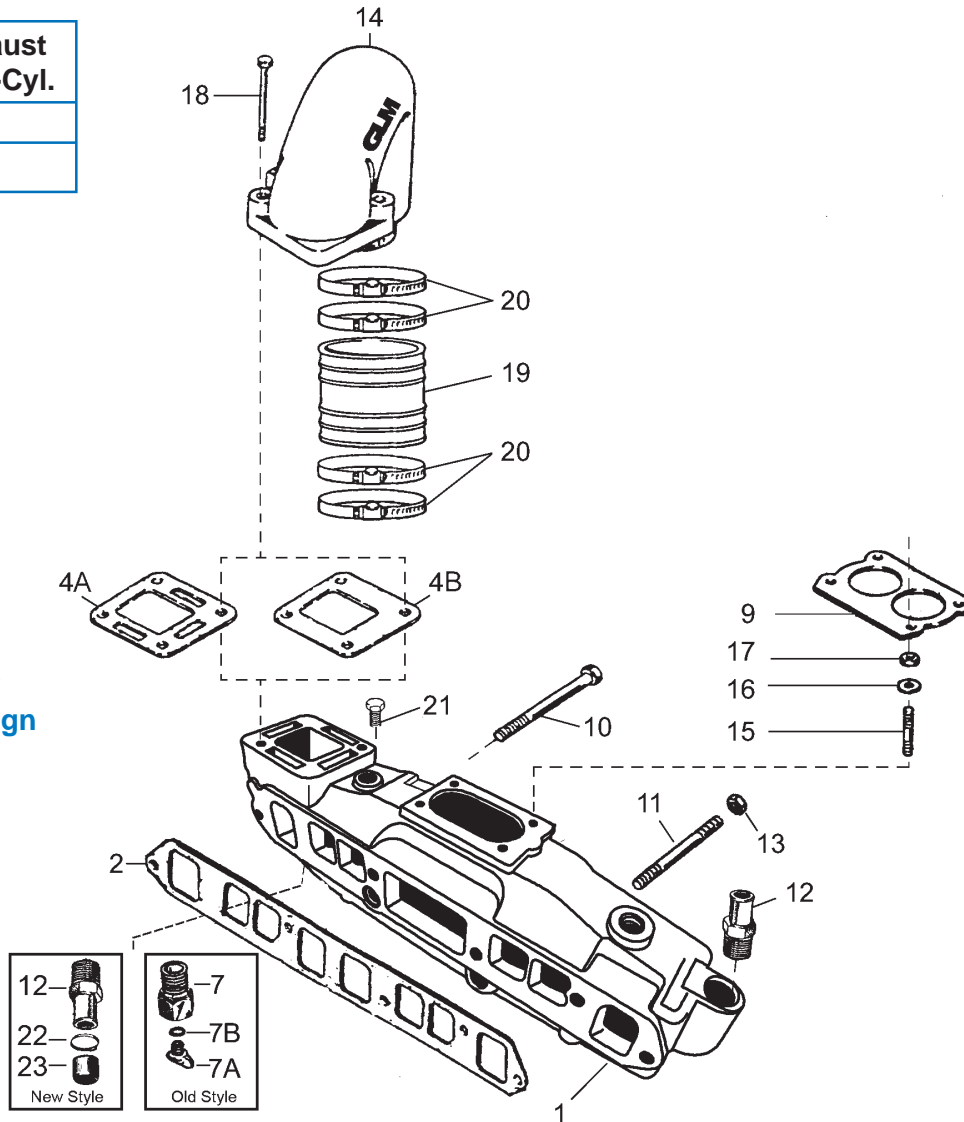
**Complete Exhaust
Manifold Kit - 4-Cyl.**

No. 58214

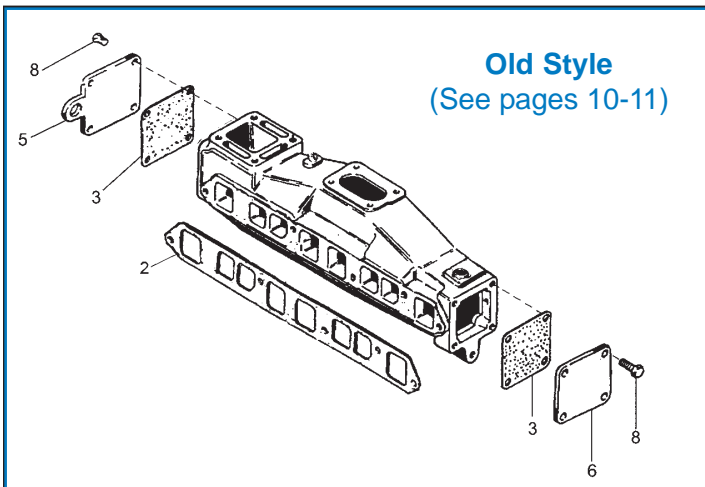
See Page 14

24

**New
Design**



Old Style
(See pages 10-11)



MerCruiser

MODEL 120/140 - INLINE 4, 153/181 CID, 4-CYL. (1982-95)
MODEL 3.0LX/3.0L - INLINE 4, GM 181 CID, 4-CYL. (1990 & UP)

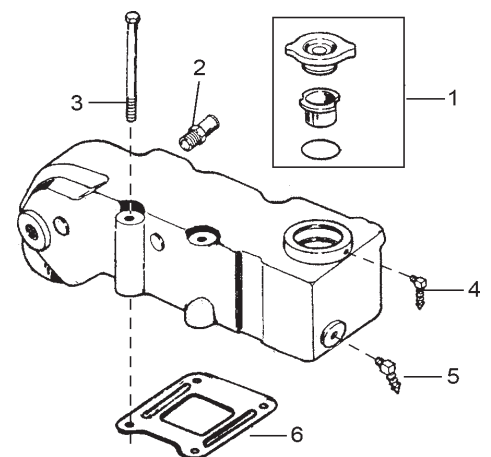
WET JOINT

Ref No.	GLM No.	OEM No.	Description	Qty.
1+	51214	860235A03	Exhaust Manifold Assembly	1
2*+	33580	27-815528	Gasket - Exhaust Manifold	1
2	33570	27-96429	Gasket - Exhaust Manifold for Old Style (1982-95)	1
3	30920	27-807218	Gasket - End Cap	1
4A*+	31520	27-99777-2	Gasket - Exhaust Manifold to Elbow	1
4B	32630	27-92720	Gasket - Exhaust Manifold to Elbow (closed cooling 1968-82)	1
5	51020	805629A1	End Cap - Exhaust Manifold	1
6	51030	73813A1	End Cap - Exhaust Manifold	1
7	13980	22-862557	Straight Fitting	1
7A	13992	22-8M0119211	Drain Plug Kit	1
7B	81110	25-26802	O-Ring	8
8	22443	10-824941	Screw - End Cap	1
9*+	32180	27-807982	Gasket - Carburetor Base	2
10	21745	10-8M2000229	Screw (3/8-16 x 4-3/4)	3
11	22475	16-806300	Stud	1
12*+	13984	22-866725	Straight Fitting 3/4-14 X 1 (Brass)	3
13	21248	11-46335	Flange Serrated Nut	1
14+	51160	12076A2	Exhaust Elbow Assembly	4
15*+	22482	16-70236	Stud - Carburetor	4
16*+	21664	12-20084	Washer - Carburetor	4
17*+	19354	11-25594	Locknut - Carburetor	2
18+	22445	10-66863-1	Screw	1
19	89120	32-4434001	Exhaust Bellow - Exhaust Elbow 4"	2
20	01100	54-815504372	Clamp - Bellow 4"	1
21	21887	22-36382	Plug	1
22*+	01073	54-815504412	Clamp	1
23*+	22280	764799	Cap	1
24	58214	-	Manifold Set	1
* Included with No. 51214				
+ Included with No. 58214				

MODEL 165/170/3.7L/180/190/3.7LX/470 MCM/485/488,
INLINE 4, 224 CID, 4-CYL. (1980-89)

WET JOINT

Ref No.	GLM No.	OEM No.	Description
1	21897	22-13234A1	Fitting Kit
2	13986	22-42683	Straight Fitting
3	21748	10-78259	Screw
4	13930	22-99498	Elbow Fitting 90°
5	13940	22-76170	Elbow Fitting 45°
6	32470	27-18272	Gasket



MerCruiser

WET JOINT

EX. MANIFOLDS, ELBOWS & COMPLETE KIT - 4-CYL.

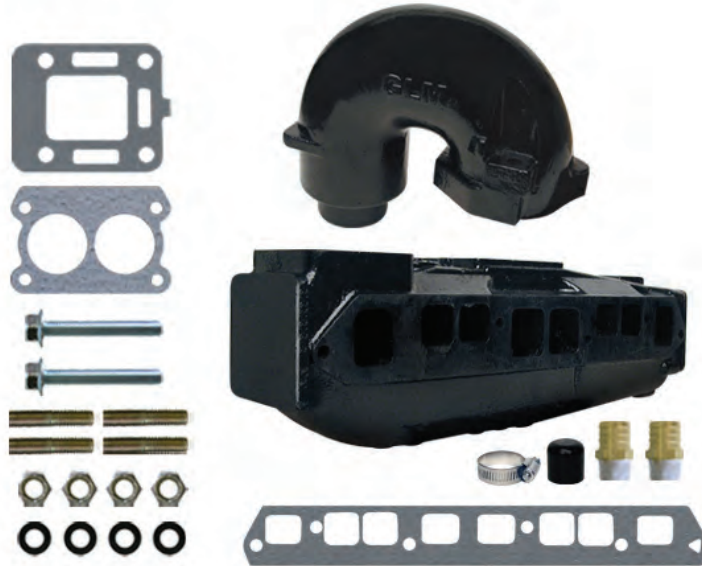
Complete Exhaust Manifold Kit - 4-Cylinder

No. 58214

OEM: N/A

No. 51160 Elbow

No. 51214 Manifold



Exhaust Elbows - 4-Cylinder

Exhaust Manifolds - 4-Cylinder

No. 51190

(Limited to Stock on Hand)

EXHAUST ELBOW

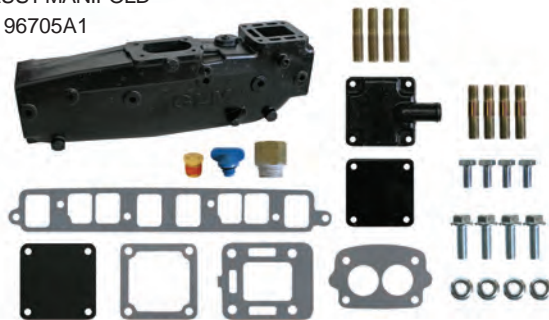
OEM: 76771A2



No. 51212

EXHAUST MANIFOLD

OEM: 96705A1



No. 51160

EXHAUST ELBOW

OEM: 12076A2



No. 51214

EXHAUST MANIFOLD

OEM: 860235A03



MerCruiser

V6 EXHAUST MANIFOLD DIMENSIONS

WET JOINT

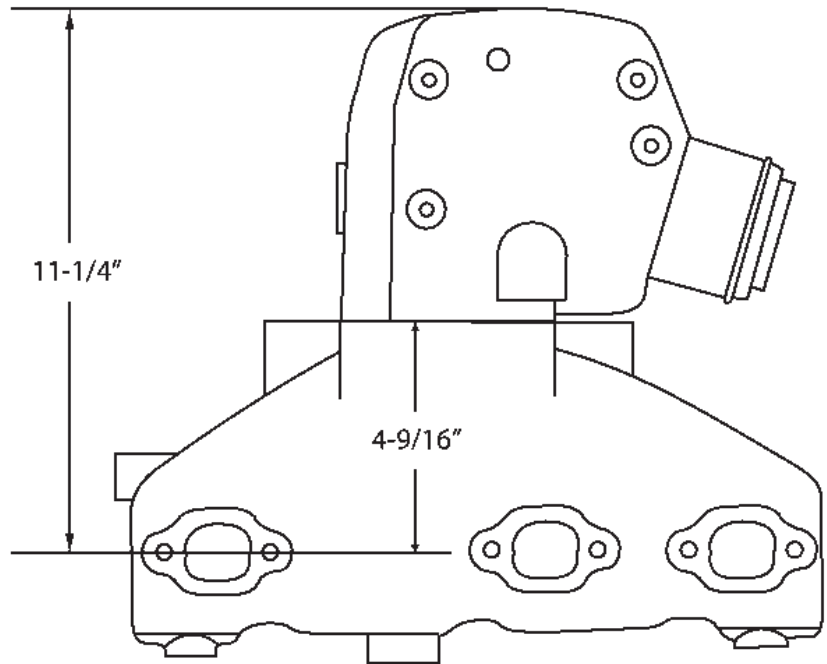
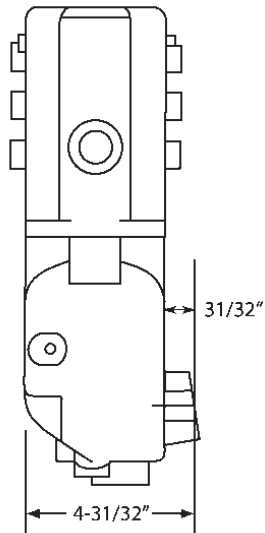
V6 w/ 3" Riser (1983 - 0M SN #'s)

No. 51110

EXHAUST ELBOW
OEM: 98504A3

No. 51220

EXHAUST MANIFOLD
OEM: 99746A17



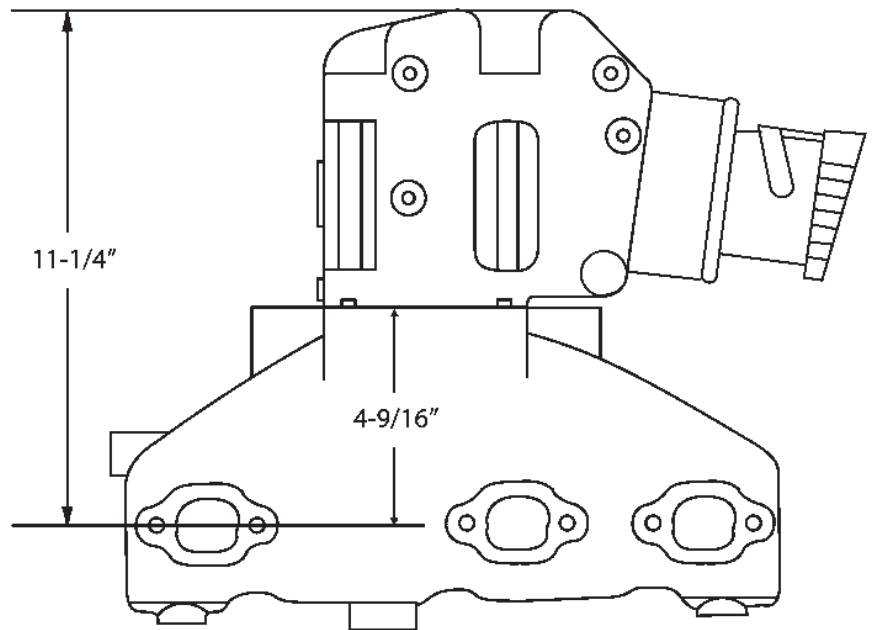
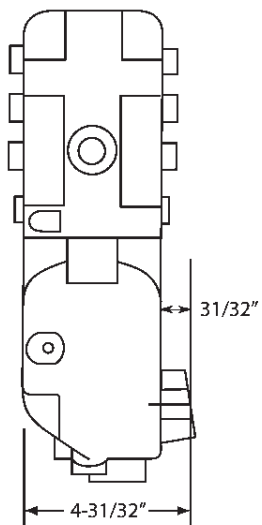
V6 w/ 4" Riser (1983 - 0M SN #'s)

No. 51140

EXHAUST ELBOW
OEM: 807988Q03

No. 51220

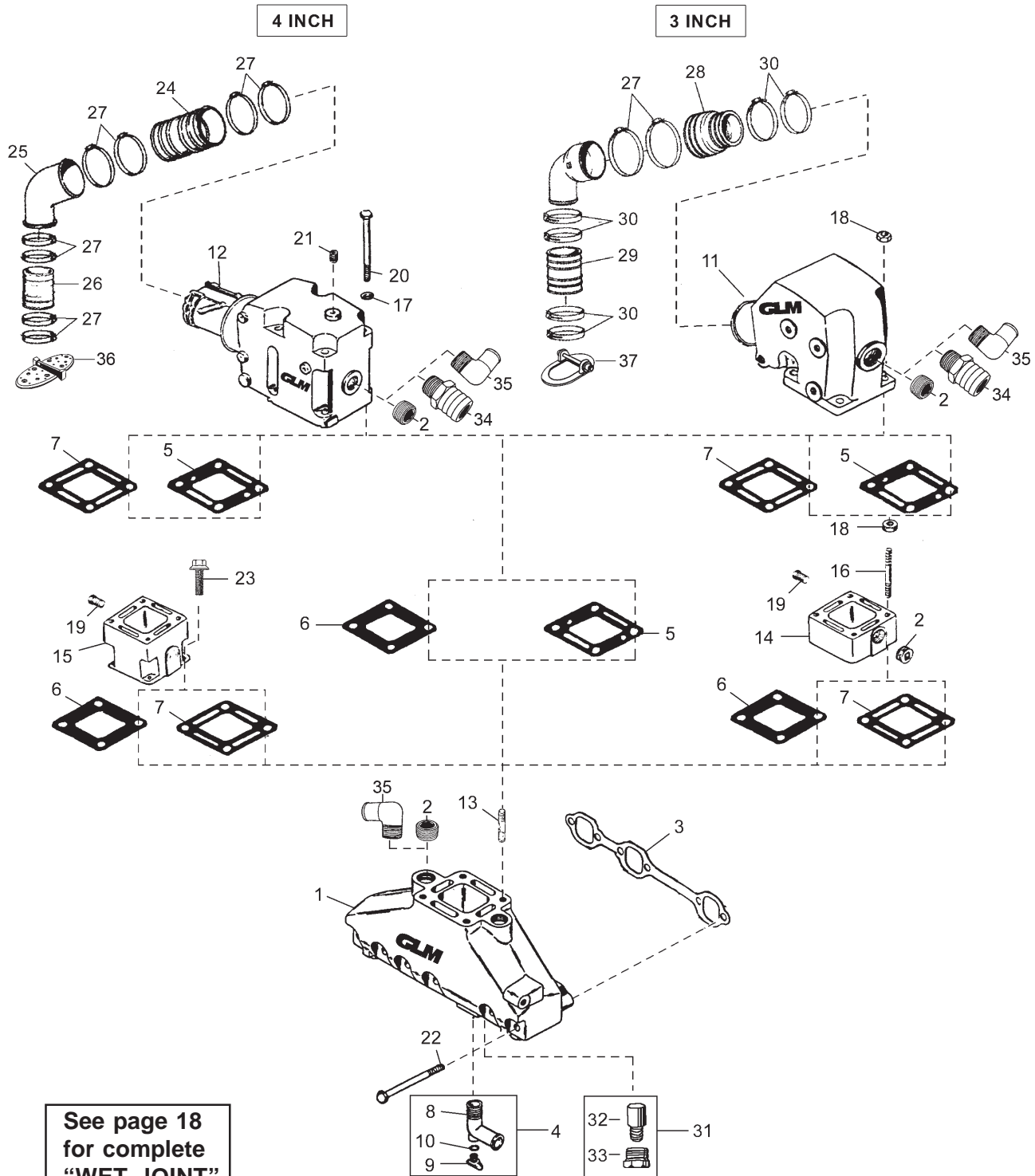
EXHAUST MANIFOLD
OEM: 99746A17



MerCruiser

WET JOINT

MODEL 175-205 - V6, GM 229/262 CID (1983 - 0M SN#'s)



MerCruiser

MODEL 175-205 - V6, GM 229/262 CID (1983 - 0M SN#'s)

WET JOINT

Ref No.	GLM No.	OEM No.	Description	Qty.
1	51220	99746A17	Exhaust Manifold Assembly (Iron Casting)	1
2*	21892	22-41622	Plug (Steel)	1
2	21896	22-42861-1	Plug (Brass)	1
3**	32170	27-99757	Gasket - Exhaust Manifold	1
4**	13990	22-806926A1	Hose Fitting with Drain Plug Kit	1
5**	30240	27-863724	Gasket - Exhaust Manifold - Raw Water Cooling	1
6	30220	27-860231	Gasket - Exhaust Manifold - Fresh Water Cooling	1
7	32080	27-863726	Gasket - Exhaust Manifold and Spacers	1
8+	13991	22-862210A01	90 Degree Hose Fitting (Not Sold Separately)	1
9+	13992	22-8M0119211	Drain Plug Kit (Includes No. 81110)	1
10+	81110	25-26802	O-Ring	1
11	51110	98504A3	Exhaust Elbow (Iron Casting) 3" 15 Degree	1
12	51140	807988A2	Exhaust Elbow (Iron Casting) 4" 7 Degree	1
13	22391	16-49545	Stud (Steel)	4
13	22462	-	Stud (Stainless Steel)	4
14	50300	93320A14	Spacer 3" (Iron Casting)	1
15	50600	807477A5	Spacer 6" (Iron Casting)	1
16	22481	16-97520	Stud (3/8 X 5) Use with 3" Elbow / 3" Spacer	4
16	22474	16-8M0022137	Stud (3/8 X 9 1/2) Use with 4" Elbow / 3" Spacer	4
17*	21493	13-35048	Lockwasher For Cast Iron Manifold	4
18	21248	11-46335	Nut Flange Serrated Nut	4
18	21246	-	Nut (Stainless Steel)	4
19	21893	22-32802-2	Plug	1
20*	22381	10-43749	Screw	4
21*	21889	-	Plug (Steel)	1
21	22379	22-73379	Plug (Brass)	1
22	21745	10-8M2000229	Screw (3/8-16 x 4-3/4)	6
23	22355	10-12244	Screw	4
24	89120	32-4434001	Exhaust Bellow Upper 4" (Fits No. 51140)	1
25	50750	14478T01	Elbow Tube	1
26	89130	32-14358001	Exhaust Bellow Lower 4" (Fits No. 51140)	1
27	01100	54-815504372	Hose Clamp	4
28	89070	70981A3	Exhaust Bellow Upper 3" (Fits No 51110)	1
29	89090	32-90949T	Exhaust Bellow Lower 3" (Fits No. 51110)	1
30	01056	54-815504456	Hose Clamp	4
31	12691	N/A	Aluminum Pencil Anode Kit	AR
32-	12692	N/A	Aluminum Anode	1
33-	21895	N/A	Plug	1
34	13984	22-866725	Straight Fitting	AR
35	13960	N/A	Elbow Fitting	AR
36	89175	807166A1	Water Shutter	1
37	89160	99370A2	Water Shutter	1
* Included with Exhaust Elbow 51140				
** Included with Manifold 51220				
+ Included in Kit No. 13990				
- Included in Kit No. 12691				
				AR = As Required

MerCruiser

WET JOINT

COMPLETE EXHAUST MANIFOLD KITS - GM V6

3 Inch Elbow Kit w/out Spacer

No. 58221 | No. 51110 Elbows
OEM: N/A | No. 51220 Manifolds



4 Inch Elbow Kit w/out Spacer

No. 58222 | No. 51140 Elbows
OEM: N/A | No. 51220 Manifolds



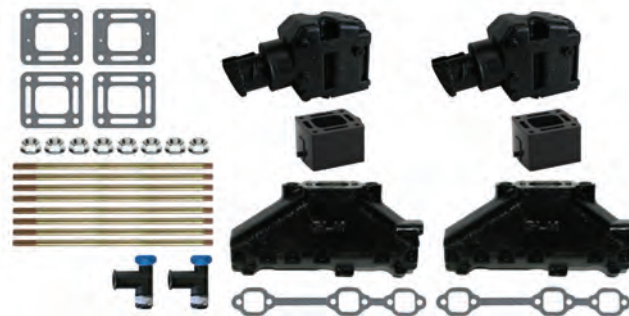
3 Inch Elbow Kit w/ 3 Inch Spacer

No. 58223 | No. 51110 Elbows
OEM: N/A | No. 51220 Manifolds
No. 50300 Spacers



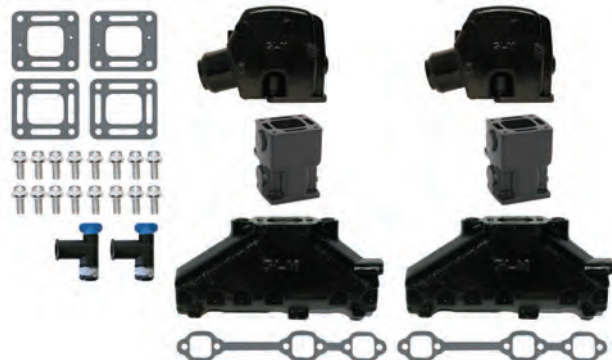
4 Inch Elbow Kit w/ 3 Inch Spacer

No. 58224 | No. 51140 Elbows
OEM: N/A | No. 51220 Manifolds
No. 50300 Spacers



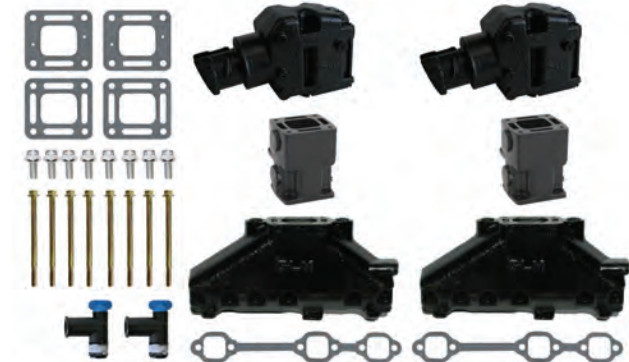
3 Inch Elbow Kit w/ 6 Inch Spacer

No. 58225 | No. 51110 Elbows
OEM: N/A | No. 51220 Manifolds
No. 50600 Spacers



4 Inch Elbow Kit w/ 6 Inch Spacer

No. 58226 | No. 51140 Elbows
OEM: N/A | No. 51220 Manifolds
No. 50600 Spacers



MerCruiser

EXHAUST MANIFOLD & ELBOWS - GM V6

WET JOINT

Exhaust Elbows - GM V6

No. 51110

EXHAUST ELBOW - 3"
OEM: 98504A3



No. 51140

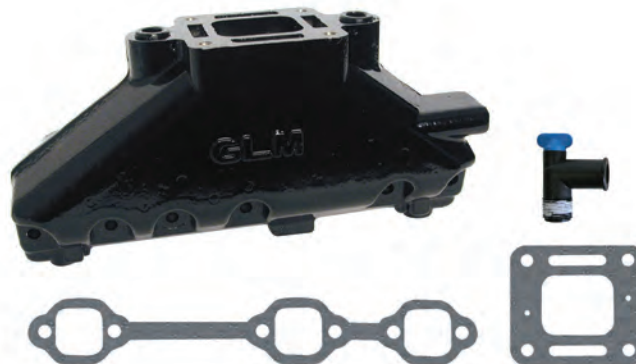
EXHAUST ELBOW - 4"
OEM: 807988Q03



Exhaust Manifold - GM V6

No. 51220

EXHAUST MANIFOLD
OEM: 99746A17



3" Spacer - Standard Cooling

No. 50300

3" SPACER - CAST IRON
OEM: N/A



6" Spacer - Standard Cooling

No. 50600

6" SPACER - CAST IRON
OEM: N/A



See page 33
for complete
spacer kits.

MerCruiser

WET JOINT

COMPLETE EXHAUST MANIFOLD CONVERSION KIT - GM V6

V6, 4.3L, GM 262 CID with Raw Water Cooling (1996-2000)

The "One-Piece" Manifolds were used between 1996-2002 and are **No Longer Available**.



GLM's Conversion Kit **No. 58992** with "Two-Piece" Center-Rise Manifolds Replaces the "One-Piece" Manifolds.



GLM's Two-Piece Manifolds Replace OEM Manifolds No.'s 807293C, 907294C, 807293A2 & 807294A3.

No. 58992

Single-Piece Manifolds to Center Rise Manifolds

OEM: N/A

Kit Contains:

GLM	OEM	ITEM
51140 (2)	807988Q03	Elbows
51220 (2)	99746A17	Manifolds
50750 (2)	14478T01	Elbow Tubes
89120 (2)	32-4434800	Ex. Bellows 4" Upper
89130 (2)	32-14358001	Ex. Bellows 4" Lower
01100 (8)	27-85608-1	Hose Clamps
32170 (2)	27-99757	Manifold Gaskets
30240 (2)	27-863724	Elbow Gaskets
13990 (2)	22-806926A1	Hose Fitting & Drain Plug Kit

+ All Hardware needed!

(Kit does NOT contain original exhaust tube for Y-pipe. Re-use original.)



When installing Two-Piece Manifold Conversion Kit GLM No. 58992, **Re-Use the Original Y-Pipe.**



GLM No. 58992 Two-Piece Center Rise Manifold Conversion Kit Assembled.



The Exhaust Outlet Dimensions on GLM's Two-Piece Manifolds are the Same as the No Longer Available One-Piece Manifolds. They Both Measure approx. 4-1/4" x 3"



MerCruiser

V8 S.B. EXHAUST MANIFOLD DIMENSIONS

WET JOINT

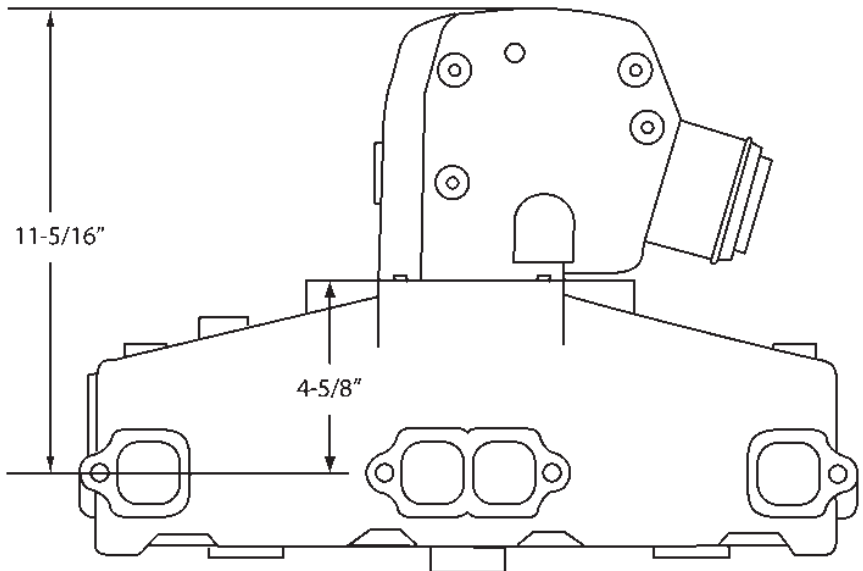
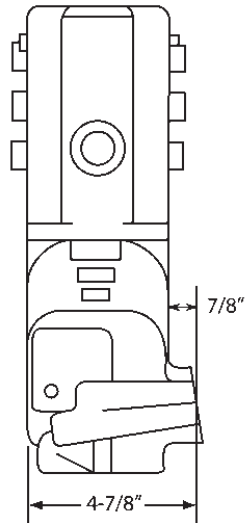
V8 S.B. w/ 3" Riser (1983 - 0M SN #'s)

No. 51110

EXHAUST ELBOW
OEM: 98504A3

No. 51230

EXHAUST MANIFOLD
OEM: 860246A10



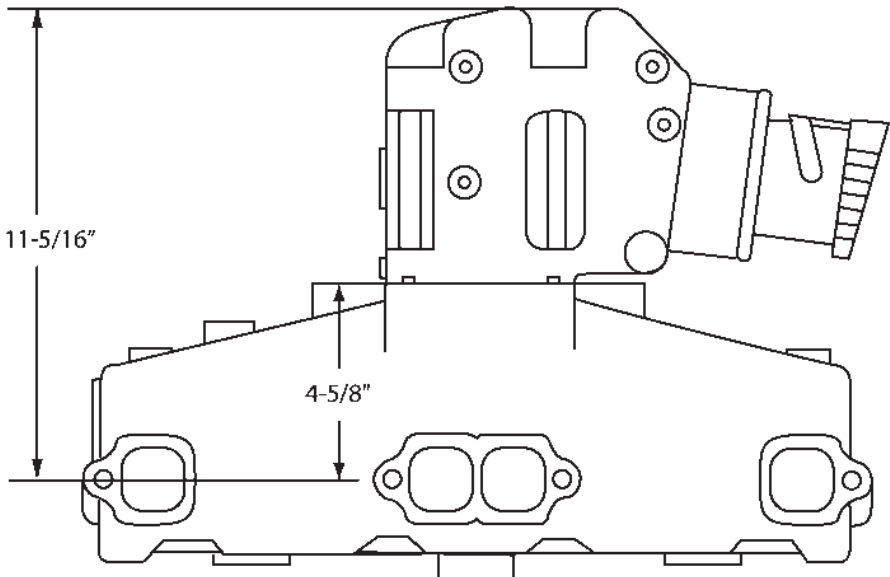
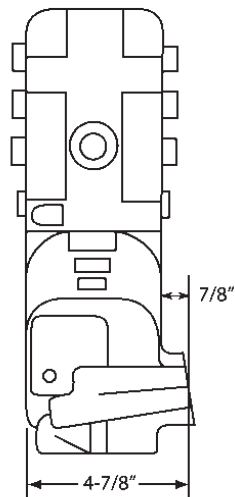
V8 S.B. w/ 4" Riser (1983 - 0M SN #'s)

No. 51140

EXHAUST ELBOW
OEM: 807988Q03

No. 51230

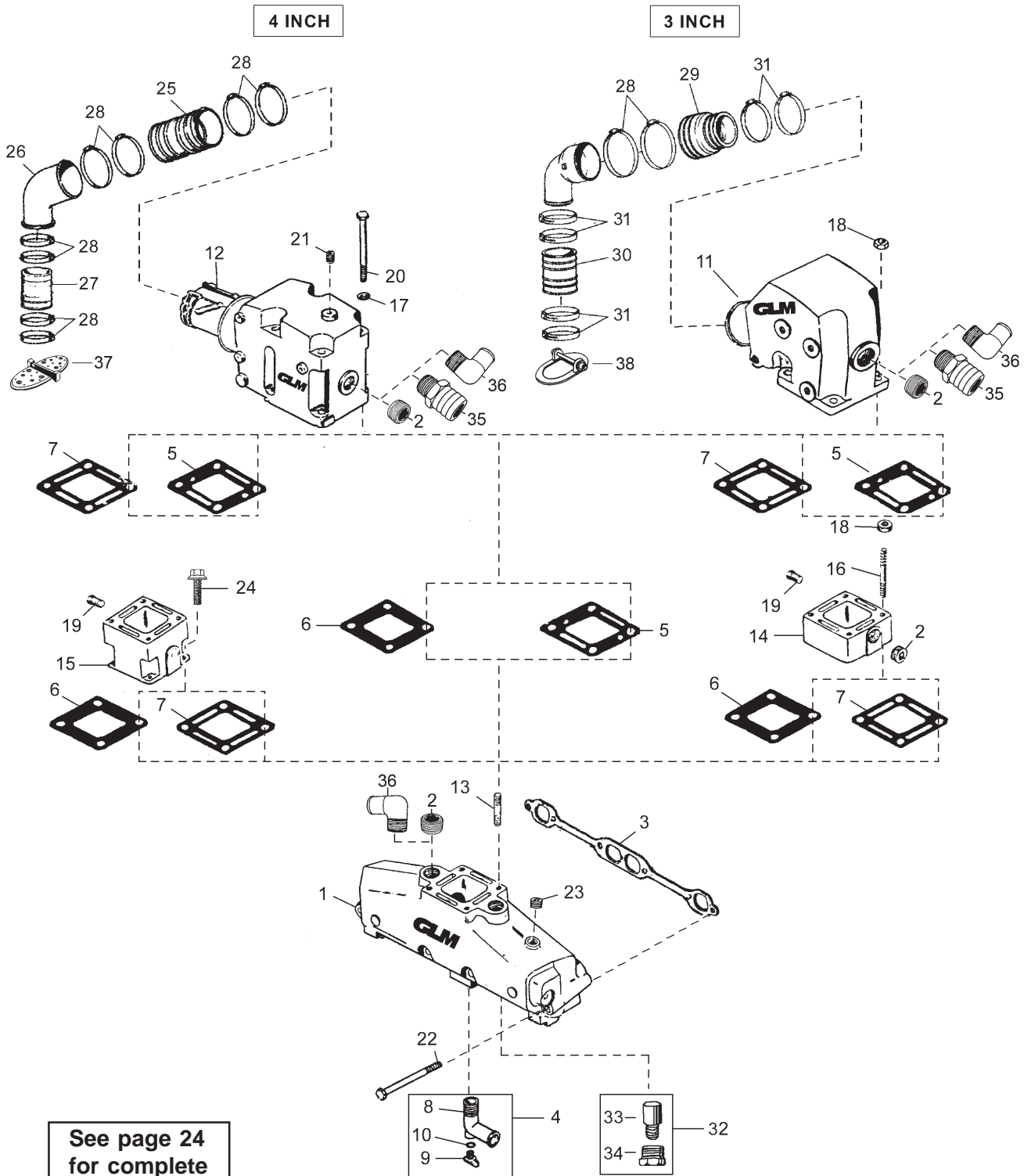
EXHAUST MANIFOLD
OEM: 860246A10



MerCruiser

WET JOINT

MODEL 200-320, V8 S.B., GM 305/350/377 CID (1983 - 0M SN#'s)



MerCruiser

WET JOINT

COMPLETE EXHAUST MANIFOLD KITS - GM V8 S.B.

3 Inch Elbow Kit w/out Spacer

No. 58231

OEM: N/A

No. 51110 Elbows
No. 51230 Manifolds



4 Inch Elbow Kit w/out Spacer

No. 58232

OEM: N/A

No. 51140 Elbows
No. 51230 Manifolds



3 Inch Elbow Kit w/ 3 Inch Spacer

No. 58233

OEM: N/A

No. 51110 Elbows
No. 51230 Manifolds
No. 50300 Spacers

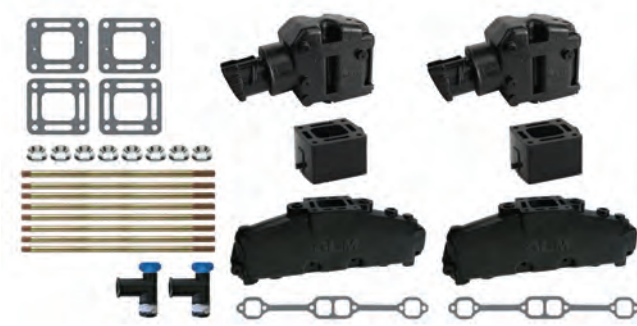


4 Inch Elbow Kit w/ 3 Inch Spacer

No. 58234

OEM: N/A

No. 51140 Elbows
No. 51230 Manifolds
No. 50300 Spacers

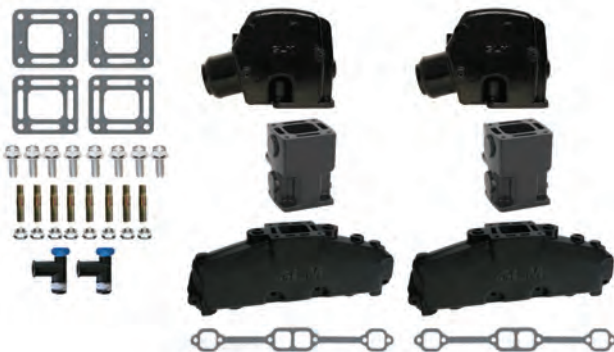


3 Inch Elbow Kit w/ 6 Inch Spacer

No. 58235

OEM: N/A

No. 51110 Elbows
No. 51230 Manifolds
No. 50600 Spacers

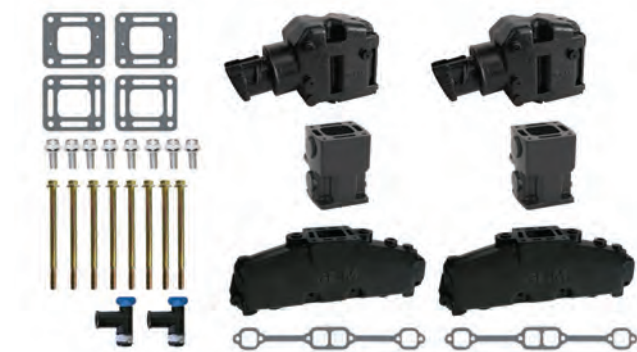


4 Inch Elbow Kit w/ 6 Inch Spacer

No. 58236

OEM: N/A

No. 51140 Elbows
No. 51230 Manifolds
No. 50600 Spacers



MerCruiser

EXHAUST MANIFOLDS & ELBOWS - GM V8 S.B.

WET JOINT

Exhaust Elbows - GM V8 S.B.

No. 51110

EXHAUST ELBOW - 3"
OEM: 98504A3



No. 51140

EXHAUST ELBOW - 4"
OEM: 807988Q03



Exhaust Manifold - GM V8 S.B.

No. 51230

EXHAUST MANIFOLD
OEM: 860246Q11



3" Spacer - Standard Cooling

No. 50300

3" SPACER - CAST IRON
OEM: N/A



6" Spacer - Standard Cooling

No. 50600

6" SPACER - CAST IRON
OEM: N/A



See page 33
for complete
spacer kits.

MerCruiser

WET JOINT COMPLETE EXHAUST MANIFOLD CONVERSION KIT - GM V8 S.B.

V8 Small Block, GM 305/350 CID with 3" or 4" Y-Pipe

The "Log Style" Manifolds were used between 1967-1982 and are not as efficient as the Center Rise Manifolds



GLM's Conversion Kit No. 58990 with 4" Center-Rise Manifolds Replaces the "Log Style" Manifolds.



GLM's Center-Rise Manifold/Elbows Replace OEM Log Style Manifolds 77234A7, 77235A8 & Elbow 76351A2.

No. 58990 Log Style Manifolds to Center Rise Manifolds
OEM: N/A

*NOT for use on engines with high mounted power steering pumps.

Kit Contains:

GLM	OEM	ITEM
51140 (2)	807988Q03	Elbows
30240 (2)	27-863724	Elbow Gaskets
51230 (2)	860246Q11	Manifolds
31100 (2)	27-33395	Manifold Gaskets
50770 (2)	N/A	Exhaust Tubes 4"
89120 (4)	32-44348001	Ex. Bellows 4"
47180	N/A	Water Hose
50011	N/A	Solenoid Bracket
50012	N/A	Fuel Filter Bracket
74009	93175T	Alternator Bracket
01100 (16)	54-815504372	Hose Clamps
01057 (8)	54-815504216	Hose Clamps (small)
13990 (2)	22-806926A1	Hose Fitting & Drain Plug Kit
13222	N/A	Thermostat Housing Kit
13030	807252T1	Thermostat 140°



+ All Hardware needed! (*must re-use original Y-pipe.)

No. 13960

OEM: N/A
ELBOW FITTING



* SOLD SEPARATELY

GLM No. 13960 is a Bronze 90° Elbow Fitting with Silicone, Sold Separately.

No. 74009

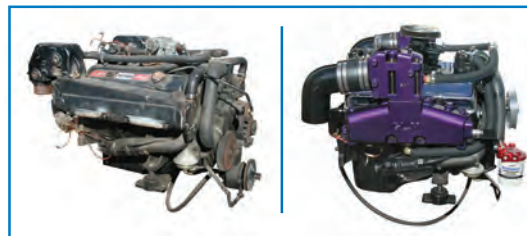
OEM: 93175T
ALTERNATOR BRACKET



Included in GLM Kit No. 58990
* ALSO AVAILABLE SEPARATELY



GLM No. 58990 4" Center Rise Manifold Conversion Kit Assembled.



An Engine Restoration utilizing GLM No. 58990 w/Custom Painted Manifolds & Filter No. 24962.

For use with No. 58990 Manifold Conversion Kit. GM 305/350 CID with 3" or 4" Y-pipe



MerCruiser

V8 B.B. EXHAUST MANIFOLD DIMENSIONS

WET JOINT

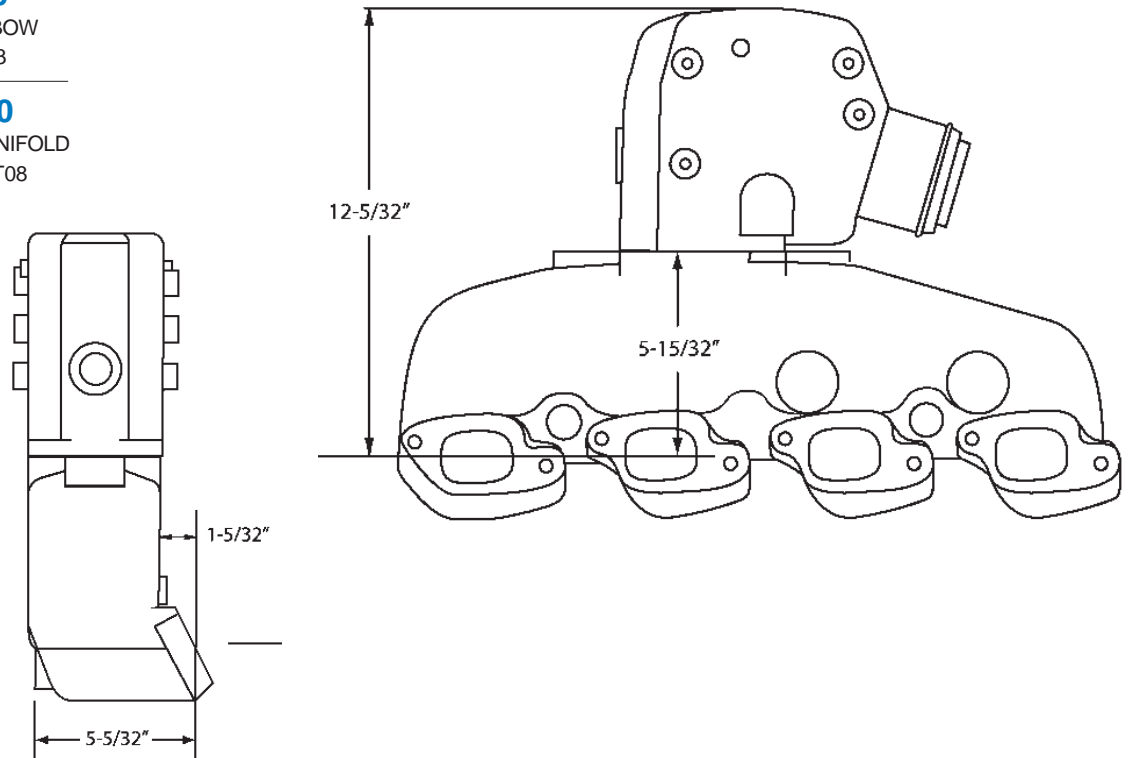
V8 B.B. w/ 3" Riser (1981 & Up)

No. 51110

EXHAUST ELBOW
OEM: 98504A3

No. 51240

EXHAUST MANIFOLD
OEM: 807078T08



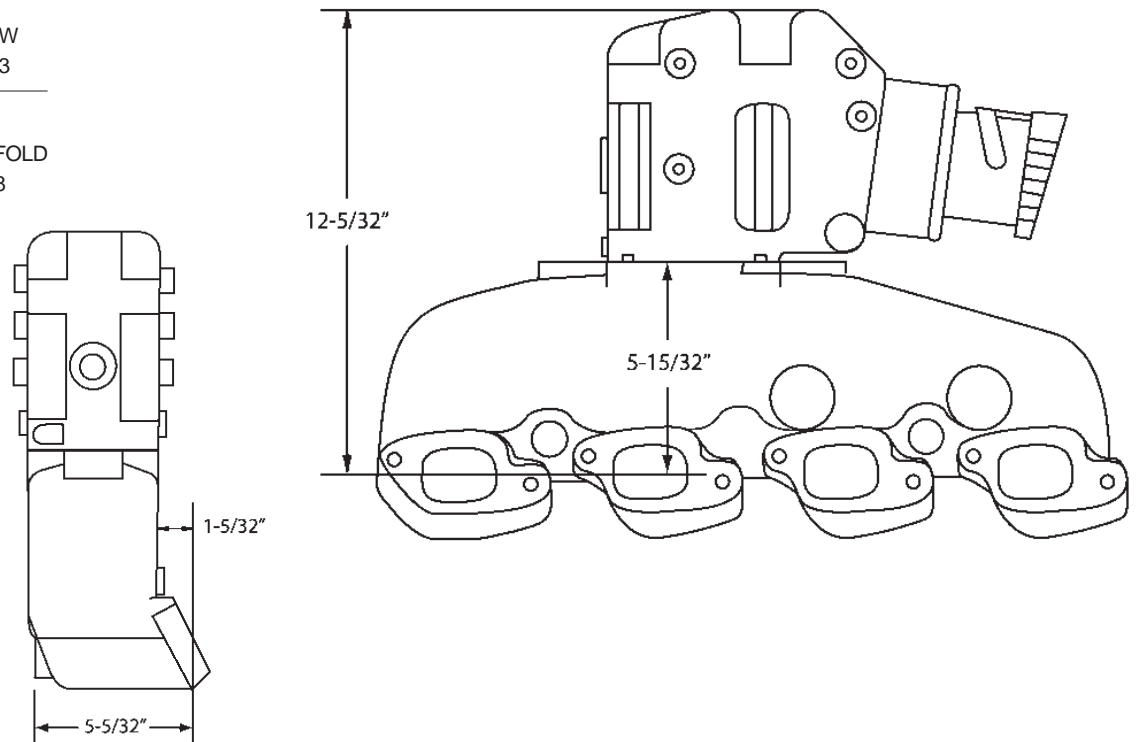
V8 B.B. w/ 4" Riser (1981 & Up)

No. 51140

EXHAUST ELBOW
OEM: 807988Q03

No. 51240

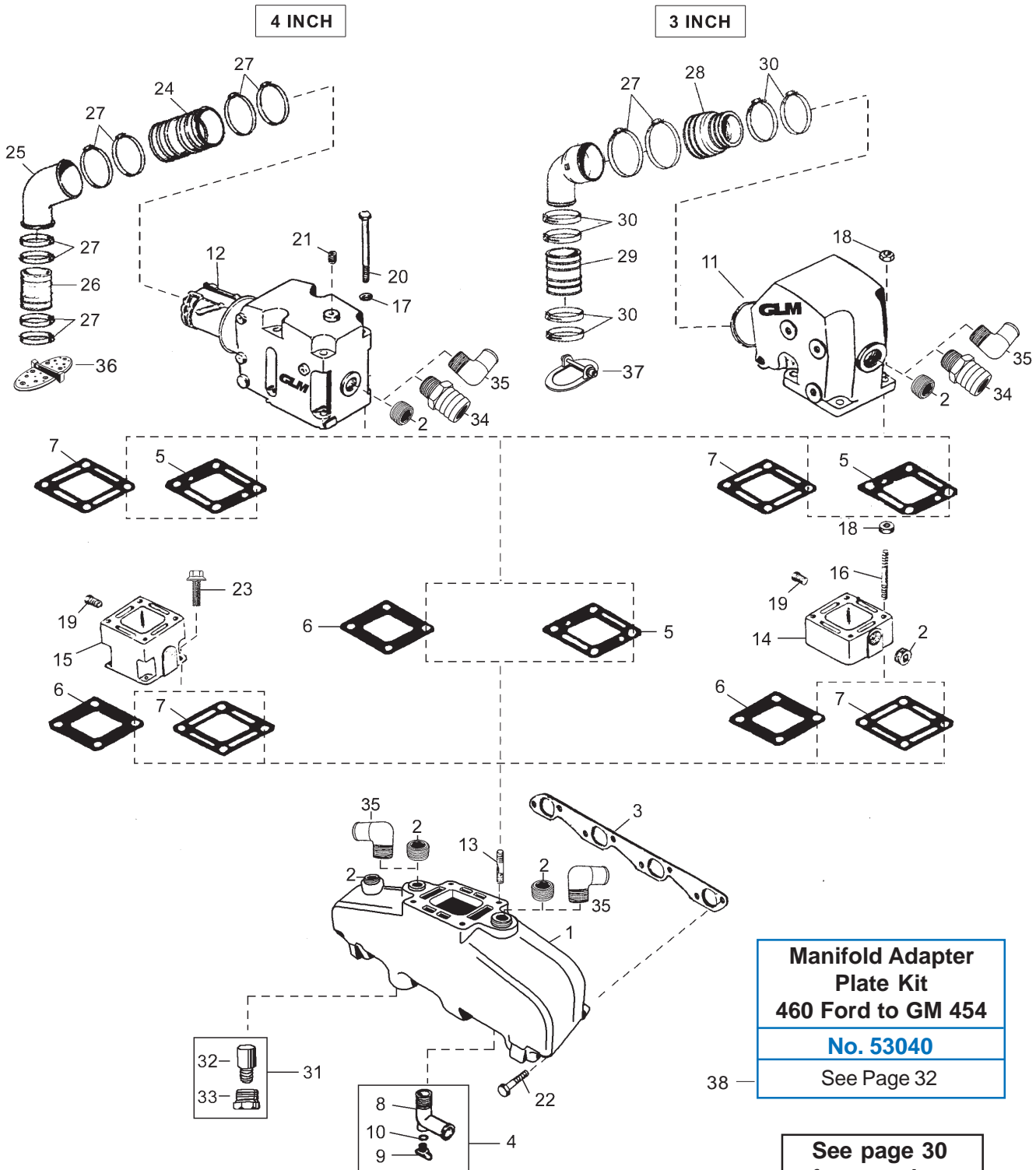
EXHAUST MANIFOLD
OEM: 807078T08



MerCruiser

WET JOINT

MODEL 330-370, V8 B.B., GM 454/502 CID (1981 & UP)



**Manifold Adapter
Plate Kit
460 Ford to GM 454**

No. 53040

See Page 32

See page 30
for complete
"WET JOINT"
manifold kits.



MerCruiser

WET JOINT

COMPLETE EXHAUST MANIFOLD KITS - GM V8 B.B.

3 Inch Elbow Kit w/out Spacer

4 Inch Elbow Kit w/out Spacer

No. 58241 | No. 51110 Elbows
OEM: N/A | No. 51240 Manifolds

No. 58242 | No. 51140 Elbows
OEM: N/A | No. 51240 Manifolds



3 Inch Elbow Kit w/ 3 Inch Spacer

4 Inch Elbow Kit w/ 3 Inch Spacer

No. 58243 | No. 51110 Elbows
OEM: N/A | No. 51240 Manifolds
No. 50300 Spacers

No. 58244 | No. 51140 Elbows
OEM: N/A | No. 51240 Manifolds
No. 50300 Spacers

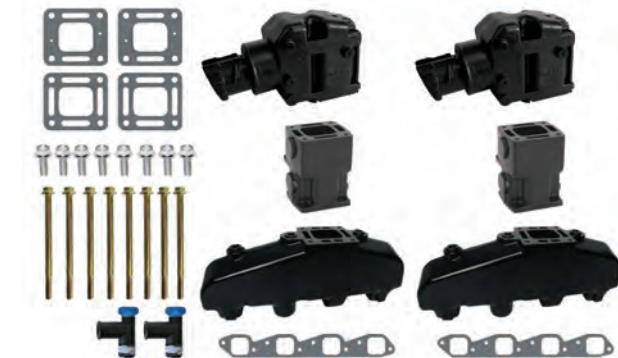


3 Inch Elbow Kit w/ 6 Inch Spacer

4 Inch Elbow Kit w/ 6 Inch Spacer

No. 58245 | No. 51110 Elbows
OEM: N/A | No. 51240 Manifolds
No. 50600 Spacers

No. 58246 | No. 51140 Elbows
OEM: N/A | No. 51240 Manifolds
No. 50600 Spacers



MerCruiser

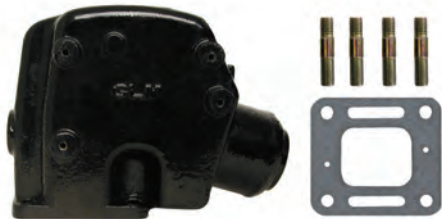
EXHAUST MANIFOLD & ELBOWS - GM V8 B.B.

WET JOINT

Exhaust Elbows - GM V8 B.B.

No. 51110

EXHAUST ELBOW - 3"
OEM: 98504A3



No. 51140

EXHAUST ELBOW - 4"
OEM: 807988Q03



Exhaust Manifold - GM V8 B.B.

No. 51240

EXHAUST MANIFOLD
OEM: 807078T08



3" Spacer - Standard Cooling

No. 50300

3" SPACER - CAST IRON
OEM: N/A



6" Spacer - Standard Cooling

No. 50600

6" SPACER - CAST IRON
OEM: N/A



See page 33
for complete
spacer kits.

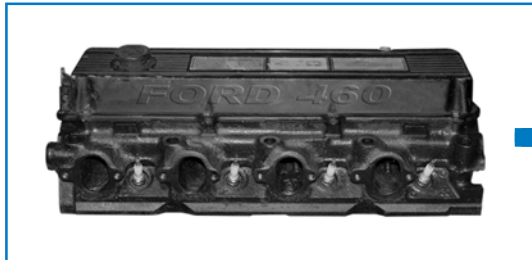
MerCruiser

WET JOINT

COMPLETE MANIFOLD KIT W/ 460 ADAPTER PLATES - V8 B.B.

V8 Big Block, Ford 460 to GM 454 Manifold

Use your GM Big Block Exhaust Manifolds on your Ford 460 Engine.



GLM's Manifold Kit No. 58940 with "Two-Piece" Manifolds Can Be Used to Convert the Ford 460 Engine to GM 454.



No. 58940

OEM: N/A

Ford 460 to GM 454 Manifold

Kit Contains:

GLM	OEM	ITEM
51140 (2)	807988Q03	Elbow
30240 (2)	27-863724	Elbow Gasket
51240 (2)	807078T08	Manifold
50045	N/A	Adapter Plates
31710* (2)	27-68715	Gasket - Ford Block to Adapter Plate
33760 (2)	27-46820	Gasket - Adapter Plate to GM Manifold
22345 (16)	N/A	Screw
22381 (8)	10-43749	Screw
21755 (16)	10-37612	Screw
13990 (2)	22-806926A1	Hose Fitting & Drain Plug Kit

* Not Sold Separately



No. 53040

OEM: N/A

MANIFOLD 460 ADAPTER PLATE KIT

Ford 460 to GM 454 Manifold



GLM No. 58940 Ford 460 to GM 454 Complete Manifold Kit w/ 460 Adapter Plates Assembled.

No. 50045

OEM: N/A
460 ADAPTER PLATES



Use your Chevy Big Block Exhaust Manifolds on your Ford 460 Engine!



MerCruiser

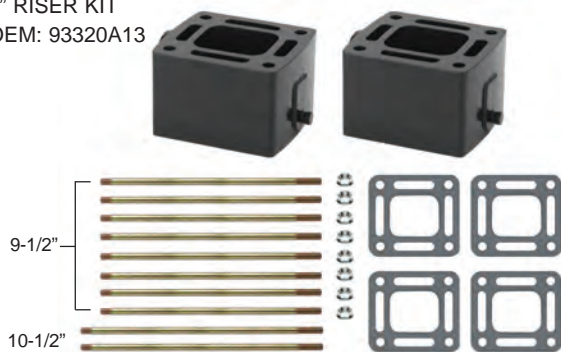
3" & 6" SPACERS - STANDARD COOLING

WET JOINT

3" Spacer Kits - Standard Cooling

No. 50310

3" RISER KIT
OEM: 93320A13

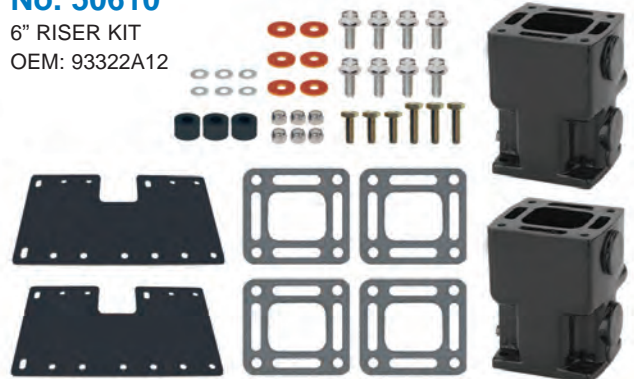


Fits: MCM V6 & TBI engines w/ 2-piece exhaust manifolds (0M614999 & below), MCM/MIE/Ski V8 (305, 350, 377, 454 & 502 CID) engines w/ cast iron elbows (0M299999 & below), MCM V8 (305 & 350 CID) carb. engines (0M300000-0M599999), MIE & Ski carb. engines (0M300000-0M316999).

6" Spacer Kits - Standard Cooling

No. 50610

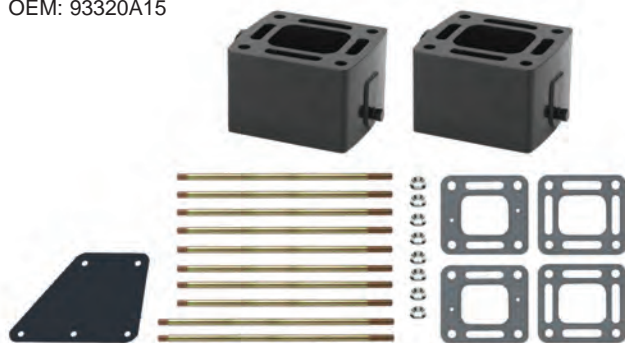
6" RISER KIT
OEM: 93322A12



Fits: MCM V6 & TBI engines w/ 2-piece exhaust manifolds (0M614999 & below), MCM/MIE/Ski V8 (305, 350, 377, 454 & 502 CID) engines with cast iron elbows (0M299999 & below), MCM V8 (305, 350 CID) carb. engines (0M300000-0M599999), MIE & Ski carb. engines (0M300000-0M316999).

No. 50320

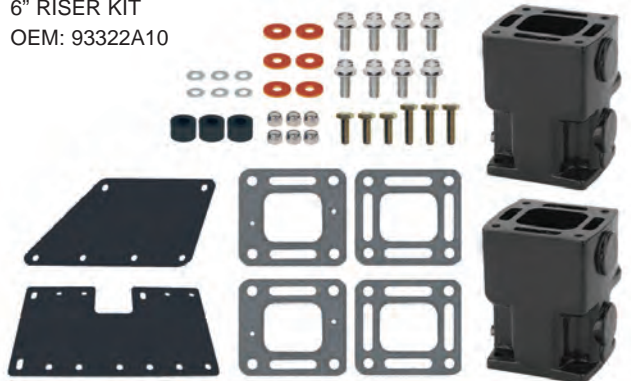
3" RISER KIT
OEM: 93320A15



Fits: 2001-02 MCM 4.3L MPI (0M300000-0M614999), 2001-02 MCM V8 (305, 350 & 377 CID) MPI engine (0M300000-0M599999), 2001-02 MIE & Ski V8 (350 & 377 CID) MPI engines (0M300000-0M316999). Fits only the above engines with cast iron elbows.

No. 50620

6" RISER KIT
OEM: 93322A10



Fits: 2001-02 MCM 4.3L (0M300000-0M314999), 2001-02 MCM V8 (305, 350 & 377 CID) MPI engine (0M300000-0M599999), 2001-02 MIE & Ski V8 (350 & 377 CID) MPI engines (0M300000-0M316999).

3" Spacer - Standard Cooling

No. 50300

3" SPACER - CAST IRON
OEM: N/A



6" Spacer - Standard Cooling

No. 50600

6" SPACER - CAST IRON
OEM: N/A



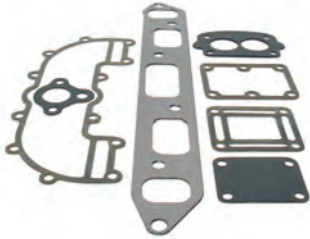
MerCruiser

WET JOINT

EXHAUST GASKET SETS

No. 39290

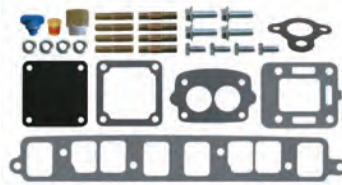
OEM: 27-35898A4



GM 153 CID (2.5L) 120 HP

No. 39300

OEM: 27-53354A1
Without Hardware



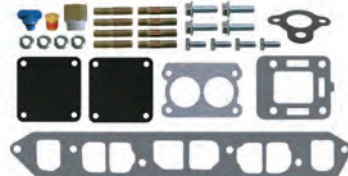
GM 181 CID (3.0L) 140 HP

No. 53930

OEM: N/A
With Hardware

No. 39320

OEM: 27-99777A1
Without Hardware



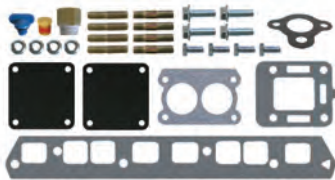
GM 153/181 CID (2.5L/3.0L), 120/140 HP

No. 53932

OEM: N/A
With Hardware

No. 39271

OEM: N/A
Without Hardware



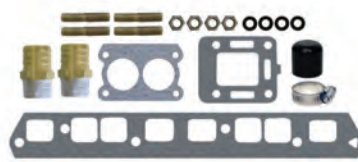
GM 181 CID (3.0LX/3.0L) 1990 & Up

No. 53271

OEM: N/A
With Hardware

No. 39950

OEM: N/A
Without Hardware



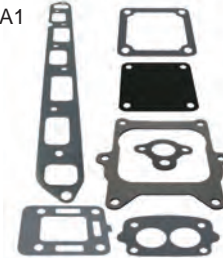
GM 181 CID (3.0L) 140HP
For Single-Piece Manifold No. 51214

No. 53950

OEM: N/A
With Hardware

No. 39270

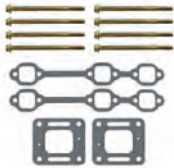
OEM: 27-46401A1



GM 250/292 CID Inline 6-Cyl.

No. 39870

OEM: N/A
Without Hardware



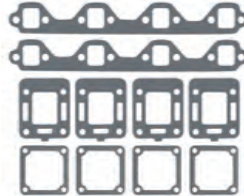
GM 229/262 CID V6 175-205 HP
Fits Center Riser Manifold

No. 53870

OEM: N/A
With Hardware

No. 39310

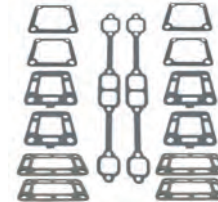
OEM: 27-54566A1
Fits Log Style Manifold



Ford 302/351 CID (5.0/5.8L)

No. 39280

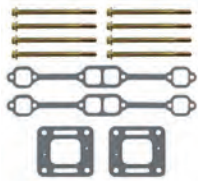
OEM: 27-33395A2
Fits Log Style Manifold



GM 305/350 CID (5.0/5.0L) 198-270 HP

No. 39880

OEM: N/A
Without Hardware



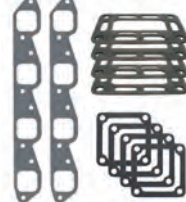
GM 305/350 CID (5.0/5.7L) 200-320 HP
Fits Center Riser Manifolds

No. 53880

OEM: N/A
With Hardware

No. 39120

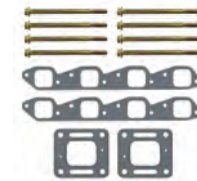
OEM: 27-46820A1
Fits Log Style Manifold



GM 427/454/482 CID

No. 39890

OEM: N/A
Without Hardware



GM 454/502 CID (7.4/8.2L)
Fits Center Riser Manifolds

No. 53890

OEM: N/A
With Hardware

No. 39272

OEM: N/A
Fits Cast Iron Manifold



GM 244 CID 4-Cyl.

No. 39273

OEM: N/A
Fits Cast Aluminum Manifold



GM 244 CID 4-Cyl.


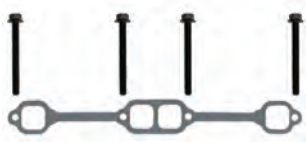

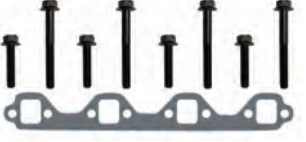











No. 53040

MANIFOLD ADAPTER
PLATE KIT
OEM: N/A



Ford 460 to GM 454

MerCruiser

EXHAUST MANIFOLD MOUNTING KITS			WET JOINT
<p>No. 32175 OEM: N/A</p>  <p>GM V6</p>	<p>No. 31105 OEM: N/A</p>  <p>GM V8 Small Block</p>	<p>No. 33765 OEM: N/A</p>  <p>GM V8 Big Block</p>	<p>No. 33795 OEM: N/A</p>  <p>Ford V8</p>
EXHAUST MANIFOLD GASKETS & ADAPTER PLATE			
<p>No. 31550 OEM: 27-52546</p>  <p>Chevy 4-Cyl. 153CI / 2.5L / 120HP</p>	<p>No. 33570 OEM: 27-96429</p>  <p>Chevy 4-Cyl. 153/181 (2.5/3.0L) CID (1983-1995) nonLX</p>	<p>No. 31570 OEM: 27-53354</p>  <p>Chevy 4-Cyl. 181 (3.0L) CID (1968-1982)</p>	<p>No. 33580 OEM: 27-815528</p>  <p>Chevy 4-Cyl.</p>
<p>No. 31710* OEM: 27-68715 * Not Sold Separately</p> <p>See GLM Kits: No. 39040 No. 53040 No. 39272 No. 39273 No. 58930 No. 58940</p>  <p>4-Cyl. 224 (3.7L) CID MerCruiser Built</p>	<p>No. 31440 OEM: 27-46401</p>  <p>Chevy Inline 6-Cyl. 250CI/165hp</p>	<p>No. 32170 OEM: 27-99757</p>  <p>Chevy V6</p>	<p>No. 33790 OEM: 27-73866</p>  <p>Ford 302/351</p>
<p>No. 31100 OEM: 27-33395</p>  <p>Chevy 305/350</p>	<p>No. 33760 OEM: 27-46820</p>  <p>Chevy 454/502</p>	<p>No. 50045 ADAPTER PLATES OEM: N/A</p>  <p>Ford 460 to Chevy 454 Manifold</p>	

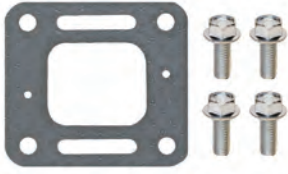
MerCruiser

WET JOINT

EXHAUST ELBOW MOUNTING KITS

No. 53300

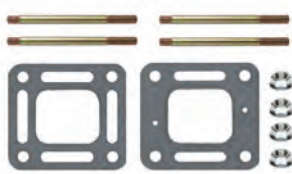
OEM: N/A
3 Inch Riser without Spacer



Raw Water Cooling

No. 53330

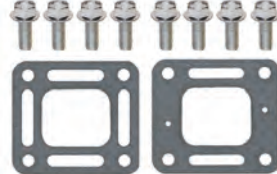
OEM: N/A
3 Inch Riser with 3 Inch Spacer



Raw Water Cooling

No. 53360

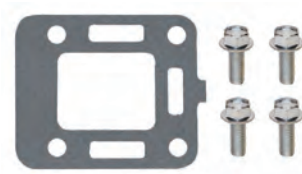
OEM: N/A
3 Inch Riser with 6 Inch Spacer



Raw Water Cooling

No. 53100

OEM: N/A



GM 181 CID, 4-Cyl.(1968-82)

No. 53301

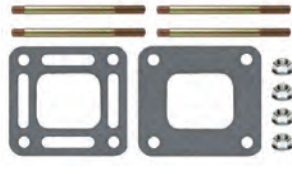
OEM: N/A
3 Inch Riser without Spacer



Fresh Water Cooling

No. 53331

OEM: N/A
3 Inch Riser with 3 Inch Spacer



Fresh Water Cooling

No. 53361

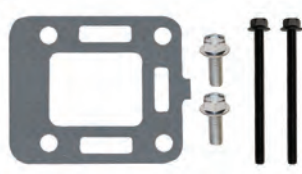
OEM: N/A
3 Inch Riser with 6 Inch Spacer



Fresh Water Cooling

No. 53110

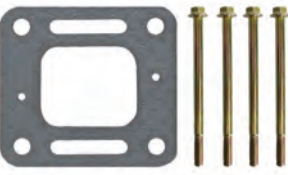
OEM: N/A



2.5/3.0L, 4-Cyl.

No. 53400

OEM: N/A
4 Inch Riser without Spacer



Raw Water Cooling

No. 53430

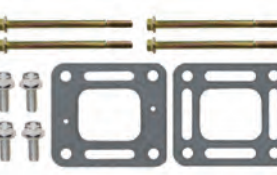
OEM: N/A
4 Inch Riser with 3 Inch Spacer



Raw Water Cooling

No. 53460

OEM: N/A
4 Inch Riser with 6 Inch Spacer



Raw Water Cooling

No. 53120

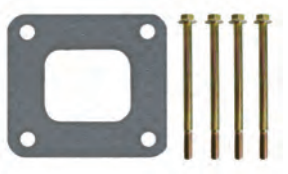
OEM: N/A



165-190, 3.7LX, 244 CID
4-Cyl. (1985-89)

No. 53401

OEM: N/A
4 Inch Riser without Spacer



Fresh Water Cooling

No. 53431

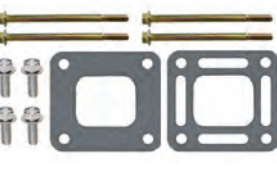
OEM: N/A
4 Inch Riser with 3 Inch Spacer



Fresh Water Cooling

No. 53461

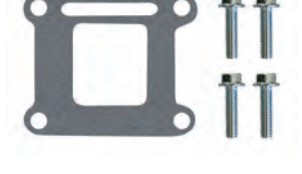
OEM: N/A
4 Inch Riser with 6 Inch Spacer



Fresh Water Cooling



No. 53130

OEM: N/A



165-190, 3.7L/LX, 244 CID
4-Cyl. (1985-87)

MerCruiser

EXHAUST ELBOW GASKETS			WET JOINT
<p>No. 32080 OEM: 27-860232 CENTERRISER - OPEN</p> 	<p>No. 30240 OEM: 27-860233 CENTERRISER - RESTRICTED</p> 	<p>No. 30220 OEM: 27-860231 CENTER RISER - CLOSED</p> 	<p>No. 32470 MerCruiser Built OEM: 27-18272</p>  <p>4-Cyl. Engines w/ Cast Iron (except 1976-1982 470)</p>
<p>No. 32630 OEM: 27-92720 REAR RISER - CLOSED COOLING</p>  <p>(1968-1982)</p>	<p>No. 31520 OEM: 27-99777-2 REAR RISER - OPENGASKET</p>  <p>4/6-Cyl. (except 120hp) (1968-82), All V8 (1978-82)</p>	<p>No. 31410 OEM: 27-39915</p>  <p>120 (1966-1982)</p>	
<p>No. 32460 STEEL GASKET OEM: 27-856705</p>  <p>MerCruiser Built 4-Cyl. Engines w/ Aluminum Exhaust Manifolds</p>	<p>No. 32370 PAPER GASKET OEM: 27-89657</p>  <p>MerCruiser Built 4-Cyl. Engines w/ Aluminum Exhaust Manifolds</p>	<p>No. 31480 OEM: 27-48042 WITH TRS DRIVE</p>  <p>Chevy 305/327/350 (1968-1977) Chevy 454 V8 (1968-1982)</p>	
END CAP GASKETS / FITTING KIT			
<p>No. 30190 FRONT GASKET OEM: 27-39917</p>  <p>153CI/120HP (1966-1982) Used w/ end caps w/ water hose connections</p>	<p>No. 31420 REAR GASKET OEM: 27-39923</p>  <p>153CI/120HP (1966-1982)</p>	<p>No. 30910 REAR GASKET OEM: 27-73812</p>  <p>153CI/120HP (1966-1982) Used w/ end caps w/o water hose connections</p>	
<p>No. 31490 REAR/FRONT GASKET OEM: 27-48043-1</p>  <p>Used w/ end caps w/ water hose connections</p>	<p>No. 30920 REAR/FRONT GASKET OEM: 27-807218</p>  <p>Used w/ end caps w/ water hose connections</p>	<p>No. 21897 FITTINGKIT OEM: 22-13234A1</p>  <p>Inline 4-Cyl., 224 CID (1980-1989) For Manifold 98562A6 / 90880A2</p>	

MerCruiser

EXHAUST FLAPPER VALVES			WATER SHUTTERS		
<p>No. 89240 FLAPPER VALVE 3" OEM: 34765A1 (with Clamps)</p>  <p>3 Inch</p>	<p>No. 89250 FLAPPER VALVE 4" OEM: 12644A1 (with Clamps)</p>  <p>4 Inch</p>	<p>No. 89260 FLAPPER VALVE- 5" & 6" OEM: N/A (with Clamps)</p>  <p>5 & 6 Inch</p>	<p>No. 89160 WATER SHUTTER OEM: 99370A2</p>  <p>3"</p>	<p>No. 89175 WATER SHUTTER OEM: 807166A1</p>  <p>3"</p>	<p>No. 89174 WATER SHUTTER OEM: N/A</p>  <p>4"</p>
EXHAUST BELLOWS					
<p>No. 89090 LOWER - 3 INCH OEM: 32-90949T</p>  <p>3" Elbow to 3" Y-Pipe</p>	<p>No. 89130 LOWER - 4 INCH OEM: 32-14358T</p>  <p>4" Elbow to 4" Y-Pipe</p>	<p>No. 89070 UPPER - 3 INCH OEM: 70981A3</p>  <p>3" Center Mounted Riser to 4" Elbow Rear Mounted Riser to 4" Y-Pipe V8 (1971-1982), V6 & V8</p>	<p>No. 89120 UPPER - 4 INCH OEM: 32-4434001</p>  <p>4" Center Mounted Riser to 4" Elbow V6 & V8</p>		
<p>No. 89060 EXHAUST ELBOW BELLOW OEM: 53114A1</p>  <p>4 & 6-Cyl. Inline Engines</p>	<p>No. 89100 EXHAUST ELBOW BELLOW OEM: 18654A1 (w/ Clamps & Clips)</p>  <p>Transom Plate to Bell Housing</p>	<p>No. 89150 EXHAUST TUBE OEM: 78458A1 (w/ Clamp & Clips)</p>  <p>Transom Plate to Bell Housing</p>	<p>SUS 316 Hose Clamps</p> <p>No. 01056 OEM: 54-815504456 For Bellow 89090, 89060, 89070</p> <p>No. 01070 OEM: 54-815504348 For Bellow 89100, 89150, 89060 (Small side)</p> <p>No. 01100 OEM: 54-815504372 For Bellow 89120, 89130, 89070 (Large side)</p> 		

MerCruiser

MANIFOLD APPLICATIONS FOR MERCUISER

Model	Year	Serial No. Range	Exhaust Mani.Port	Exhaust Mani.Stbd.	Exhaust Elbow	End Cap Front	End Cap Rear	Gasket Ex.Mani.	Gasket Ex.Elbow
110 153/L4	1963-66	1537370-2044033	N.L.A.	N/A	N.L.A.	N.L.A.	N.L.A.	31550	N.L.A.
120 153/L4	1966-82	2046625-6229717	-	N/A	-	N.L.A.	N.L.A.	31550	31410
120 153/L4	1983-86	6229718-0B531853	-	N/A	-	51010	51020	33570	31520
2.5L 153/L4	1987-89	0B531854-0C853255	-	N/A	-	51010	51020	33570	31520
140 181/L4	1968-82	2508261-6229717	51212	N/A	-	51010	51030	31570	31520
140 181/L4	1982-86	6229718-0B450800	-	N/A	-	51010	51020	33570	31520
3.0L 181/L4	1987-95	0B450801-0F603999	-	N/A	-	51010	51020	33570	31520
3.0L 181/L4	1998-	0L010042 & Up	51214	N/A	51160	51030	51020	33580	31520
3.0LX 181/L4	1990-97	0C856559-0K999999	51214	N/A	51160	51030	51020	33580	31520
165 (4-Cyl.) 224/L4	1987-87	0B434941-0B774251	-	N/A	-	N/A	N/A	31710	32470
165 (4-Cyl.) 224/L4	1987-87	0B434941-0B774251	-	N/A	-	N/A	N/A	31710	32460
170 224/L4	1985-86	6916779-0B434940	-	N/A	-	N/A	N/A	31710	32470
170 224/L4	1985-86	6916779-0B434940	-	N/A	-	N/A	N/A	31710	32460
180 224/L4	1987-87	0B436391-0B775248	-	N/A	-	N/A	N/A	31710	32470
180 224/L4	1987-87	0B436391-0B775248	-	N/A	-	N/A	N/A	31710	32460
190 224/L4	1985-86	6916779-0B436390	-	N/A	-	N/A	N/A	31710	32470
190 224/L4	1985-86	6916779-0B436390	-	N/A	-	N/A	N/A	31710	32460
3.7L 224/L4	1988-89	0B774252 & Up	-	N/A	-	N/A	N/A	31710	32470
3.7L 224/L4	1988-89	0B774252 & Up	-	N/A	-	N/A	N/A	31710	32460
3.7LX 224/L4	1988-89	0B775249 & Up	-	N/A	-	N/A	N/A	31710	32470
3.7LX 224/L4	1988-89	0B775249 & Up	-	N/A	-	N/A	N/A	31710	32460
470 224/L4	1976-77	4208730-4625579	-	N/A	-	N.L.A.	N.L.A.	31710	31520
470 MCM & MIE 224/L4	1977-82	4625580-6218036	-	N/A	-	N.L.A.	N.L.A.	31710	31520
470 224/L4	1983-84	6218037-6916778	-	N/A	-	N/A	N/A	31710	32460
485 224/L4	1980-82	5685394-6218036	-	N/A	-	N/A	N/A	31710	32370
488 224/L4	1983-84	6170297-6916778	-	N/A	-	N/A	N/A	31710	32460
140 (6-Cyl.) 194/L6	1963-63	1538930-1725960	N.L.A.	N/A	N.L.A.	N/A	N/A	31440	N.L.A.
150 230/L6	1964-66	1666495-2048046	N.L.A.	N/A	N.L.A.	N/A	N/A	31440	N.L.A.
160 250/L6	1967-69	2048022-2770031	N.L.A.	N/A	N.L.A.	N/A	N/A	31440	N.L.A.
165 (6-Cyl.) 250/L6	1970-81	2770032-5813433	-	N/A	-	51010	51030	31440	31520
200 (6-Cyl.) 292/L6	1969-69	2453769-2712072	-	N/A	-	N.L.A.	51030	31440	31520
185 (4bbl.) 229/V6	1983-84	6330183-6919655	51220	51220	51110	N/A	N/A	32170	30240
175 262/V6	1987-87	0B527955-0B773242	51220	51220	51140	N/A	N/A	32170	30240
185 (2bbl.) 262/V6	1985-86	0A331455-0B527954	51220	51220	51110	N/A	N/A	32170	30240
185 (2bbl.) 262/V6	1985-86	0A331455-0B527954	51220	51220	51140	N/A	N/A	32170	30240
205 262/V6	1985-86	0A331455-0B527954	51220	51220	51110	N/A	N/A	32170	30240
205 262/V6	1985-86	0A331455-0B527954	51220	51220	51140	N/A	N/A	32170	30240
205 262/V6	1987-87	0B527955-0B775129	51220	51220	51140	N/A	N/A	32170	30240
262 Mag EFI (Gen +) 262/V6	1996-97	0F803800-0K999999	51220	51220	51140	N/A	N/A	32170	32080
262 Mag EFI (Gen +) 262/V6	1996-97	0F803800-0K999999	51220	51220	N/A	N/A	N/A	32170	N/A
4.3L 262/V6	1988-96	0B773243-0F802999	51220	51220	51140	N/A	N/A	32170	30240
4.3L (Gen +) 262/V6	1998-01	0L010044 & Up	51220	51220	51140	N/A	N/A	32170	32080
4.3L (Gen +) 262/V6	1998-01	0L010044 & Up	51220	51220	N/A	N/A	N/A	32170	N/A
4.3L EFI (Gen +) 262/V6	1998-01	0L012009 & Up	51220	51220	51140	N/A	N/A	32170	32080
4.3L EFI (Gen +) 262/V6	1998-01	0L012009 & Up	51220	51220	N/A	N/A	N/A	32170	N/A
4.3L MPI 262/V6	2001-01	0M300000 & Up	51220	51220	51140	N/A	N/A	32170	30240
4.3LH (Gen +) 262/V6	1998-01	0L010044 & Up	51220	51220	51140	N/A	N/A	32170	32080
4.3LH (Gen +) 262/V6	1998-01	0L010044 & Up	51220	51220	N/A	N/A	N/A	32170	N/A
4.3 LX (4bbl.) 262/V6	1998-96	0B775130-0F802999	51220	51220	51140	N/A	N/A	32170	30240
4.3 LX (Gen +) (2bbl.) 262/V6	1996-01	0F803800-0K999999	51220	51220	51140	N/A	N/A	32170	32080
4.3 LX (Gen +) (2bbl.) 262/V6	1996-01	0F803800-0K999999	51220	51220	N/A	N/A	N/A	32170	N/A
4.3LXH (Gen +) 262/V6	1996-97	0F803814-0K999999	51220	51220	51140	N/A	N/A	32170	32080
4.3LXH (Gen +) 262/V6	1996-97	0F803814-0K999999	51220	51220	N/A	N/A	N/A	32170	N/A
215 302/V8	1970-70	2781153-3040410	-	-	-	51010	51030	33790	31520
215 302/V8	1971-72	3040411-3385720	-	-	-	51010	51010	33790	31520
215 MIE 302/V8	1970-70	2781153-3040410	-	-	-	51010	51030	33790	31520
215 MIE 302/V8	1971-72	3040411-3563181	-	-	-	51010	51010	33790	31520
225 (Ford) 302/V8	1973-74	3385721-4166999	-	-	-	51010	51010	33790	31520
225 MIE (Ford) 302/V8	1973-74	3385721-4176999	-	-	-	51010	51010	33790	31520
888 302/V8	1971-77	3108723-4887829	-	-	-	51010	51010	33790	31520
190 283/V8	1963-64	1564539-1730903	N.L.A.	N.L.A.	N.L.A.	N.L.A.	N.L.A.	31100	N.L.A.
198 MIE 305/V8	1977-77	4776402-4931099	-	-	-	51010	51010	31100	31480
198 MIE 305/V8	1977-77	4776402-4931099	-	-	-	51010	51010	31100	31520
200 305/V8	1985-87	6899058-0B525981	51230	51230	51110	N/A	N/A	31100	30240
200 305/V8	1985-87	6899058-0B525981	51230	51230	51140	N/A	N/A	31100	30240
200 305/V8	1987-87	0B525982-0B774444	51230	51230	51140	N/A	N/A	31100	30240

MerCruiser

MANIFOLD APPLICATIONS FOR MERCUISER

Model	Year	Serial No. Range	Exhaust Mani.Port	Exhaust Mani.Stbd.	Exhaust Elbow	End Cap Front	End Cap Rear	Gasket Ex.Mani.	Gasket Ex.Elbow
228 305/V8	1977-77	4765100-4888929	-	-	-	51010	51010	31100	31480
228 305/V8	1977-82	4888930-6218461	-	-	-	51010	51010	31100	31520
228 305/V8	1983-95	6218462-0F600999	51230	51230	51110	N/A	N/A	31100	30240
228 305/V8	1983-95	6218462-0F600999	51230	51230	51140	N/A	N/A	31100	30240
228 TR 305/V8	1977-77	4765100-4888929	-	-	-	51010	51010	31100	31480
228 TR 305/V8	1977-78	4888930-5170008	-	-	-	51010	51010	31100	31520
228 MIE 305/V8	1977-77	4765100-4888929	-	-	-	51010	51010	31100	31480
228 MIE 305/V8	1977-80	4888930-5907057	-	-	-	51010	51010	31100	31520
230 305/V8	1985-87	6899269-0B525981	51230	51230	51110	N/A	N/A	31100	30240
230 305/V8	1985-87	6899269-0B525981	51230	51230	51140	N/A	N/A	31100	30240
230 305/V8	1987-87	0B525982-0B773739	51230	51230	51140	N/A	N/A	31100	30240
230 MIE 305/V8	1981-87	5907058-0B788151	51230	51230	51110	N/A	N/A	31100	30240
230 MIE 305/V8	1981-87	5907058-0B788151	51230	51230	51110	N/A	N/A	31100	30240
230 MIE 305/V8	1981-87	5907058-0B788151	51230	51230	51140	N/A	N/A	31100	30240
230 MIE 305/V8	1981-87	5907058-0B788151	51230	51230	51140	N/A	N/A	31100	30240
5.0L 305/V8	1988-95	0B774445-0F600999	51230	51230	51140	N/A	N/A	31100	30240
5.0L (Gen +) 305/V8	1998-01	0L015751 & Up	51230	51230	51140	N/A	N/A	31100	32080
5.0L EFI (Gen +) 305/V8	1998-01	0L012052 & Up	51230	51230	51140	N/A	N/A	31100	32080
5.0L MIE 305/V8	1988-88	0B788152-0C396832	51230	51230	51140	N/A	N/A	31100	30240
5.0L MPI 305/V8	2001-01	0M300000 & Up	51230	51230	51140	N/A	N/A	31100	30240
5.0 LX 305/V8	1988-95	0B773740-0F600999	51230	51230	51140	N/A	N/A	31100	30240
898 305/V8	1977-82	4766210-6218461	-	-	-	51010	51010	31100	31480
898 305/V8	1977-82	4766210-6218461	-	-	-	51010	51010	31100	31520
898 305/V8	1983-84	6218462-6899057	51230	51230	51110	N/A	N/A	31100	30240
898 305/V8	1983-84	6218462-6899057	51230	51230	51140	N/A	N/A	31100	30240
225 (GM) 327/V8	1963-68	1539620-2399397	N.L.A.	N.L.A.	N.L.A.	N.L.A.	N.L.A.	31100	N.L.A.
225 (GM) 327/V8	1968-69	2399398-2694014	N.L.A.	N.L.A.	-	51010	51010	31100	31480
225 MIE (GM) 327/V8	1968-68	2278647-2399387	N.L.A.	N.L.A.	N.L.A.	N.L.A.	N.L.A.	31100	N.L.A.
225 MIE (GM) 327/V8	1968-69	2399398-2694014	-	-	-	51010	51030	31100	31480
250 327/V8	1968-69	2314301-2639854	-	-	-	51010	51030	31100	31480
250 MIE 327/V8	1968-69	2314301-2639854	-	-	-	51010	51030	31100	31480
250 350/V8	1977-77	4768000-4908849	-	-	-	51010	51010	31100	31480
250 350/V8	1977-77	4768000-4908849	-	-	-	51010	51010	31100	31520
255 (GM) 350/V8	1975-76	4175500-4499060	-	-	-	51010	51030	31100	31480
255 (GM) 350/V8	1976-76	4499061-4767999	-	-	-	51010	51010	31100	31520
255 MIE (GM) 350/V8	1975-76	4175500-4499060	-	-	-	51010	51030	31100	31480
255 MIE (GM) 350/V8	1976-80	4499061-5907057	-	-	-	51010	51010	31100	31520
260 350/V8	1978-82	4908850-6218461	-	-	-	51010	51010	31100	31520
260 350/V8	1983-87	6218462-0B773304	51230	51230	51110	N/A	N/A	31100	30240
260 MIE 350/V8	1981-87	5907058-0F024999	51230	51230	-	N/A	N/A	31100	30240
260 MIE 350/V8	1981-87	5907058-0F024999	51230	51230	51110	N/A	N/A	31100	30240
260 MIE 350/V8	1981-87	5907058-0F024999	51230	51230	51140	N/A	N/A	31100	30240
270 350/V8	1969-72	2851074-3385720	-	-	-	51010	51030	31100	31480
270 MIE 350/V8	1969-72	2851074-3077735	-	-	-	51010	51030	31100	31480
280 TRS 350/V8	1975-76	4176250-4770199	-	-	-	51010	51030	31100	31480
280 TRS 350/V8	1975-76	4176250-4770199	-	-	-	51010	51010	31100	31520
300 350/V8	1985-86	6668677-0B430367	51230	51230	N.L.A.	N/A	N/A	31100	32080
320 EFI 350/V8	1987-89	0A543604-0C622418	51230	51230	51140	N/A	N/A	31100	30240
350 Mag Alpha 350/V8	1986-87	0A635178-0K999999	51230	51230	51140	N/A	N/A	31100	30240
350 Mag Alpha EFI 350/V8	1996-97	0F800300-0K999999	51230	51230	51140	N/A	N/A	31100	32080
350 Mag Bravo MPI 350/V8	1995-95	0F415189-0F601999	51230	51230	51140	N/A	N/A	31100	32080
350 Mag Bravo MPI (Gen +) 350/V8	1996-97	0F602000-0K999999	51230	51230	51140	N/A	N/A	31100	32080
350 Mag EFI Ski 350/V8	1994-96	0F215561-0F820706	51230	51230	51140	N/A	N/A	31100	32080
350 Mag EFI Ski (Gen +) 350/V8	1996-97	0F820707-0K999999	51230	51230	51140	N/A	N/A	31100	32080
350 Mag MPI 350/V8	1998-01	0L010019 & Up	51230	51230	51140	N/A	N/A	31100	30240
350 Mag MPI Horizon 350/V8	2001-01	0M300000 & Up	51230	51230	51140	N/A	N/A	31100	32080
350 Mag Horizon MIE 350/V8	1999-01	0L304700 & Up	51230	51230	51140	N/A	N/A	31100	32080
350 Mag MPI MIE 350/V8	1998-98	0L002008-0L304499	51230	51230	51140	N/A	N/A	31100	30240
350 Mag MPI MIE 350/V8	1999-01	0L304500-0M299999	51230	51230	51140	N/A	N/A	31100	32080
350 Mag MPI MIE 350/V8	2001-01	0M300000 & Up	51230	51230	51140	N/A	N/A	31100	30240
350 Mag MPI Ski 350/V8	1995-96	0F350583-0F799999	51230	51230	51140	N/A	N/A	31100	30240
350 Mag MPI Ski (Gen +) 350/V8	2001-01	0M300000 & Up	51230	51230	51140	N/A	N/A	31100	30240
350 Mag Ski 350/V8	1991-97	0D505450-0K999999	51230	51230	51140	N/A	N/A	31100	30240
5.7L 350/V8	1988-97	6218462-0K999999	51230	51230	51140	N/A	N/A	31100	30240
5.7L (Gen +) 350/V8	1998-01	0L010037 & Up	51230	51230	51140	N/A	N/A	31100	32080
5.7L EFI 350/V8	1995-97	0F225560-0K999999	51230	51230	51140	N/A	N/A	31100	30240
5.7L EFI (Gen +) 350/V8	1998-01	0L010035 & Up	51230	51230	51140	N/A	N/A	31100	32080



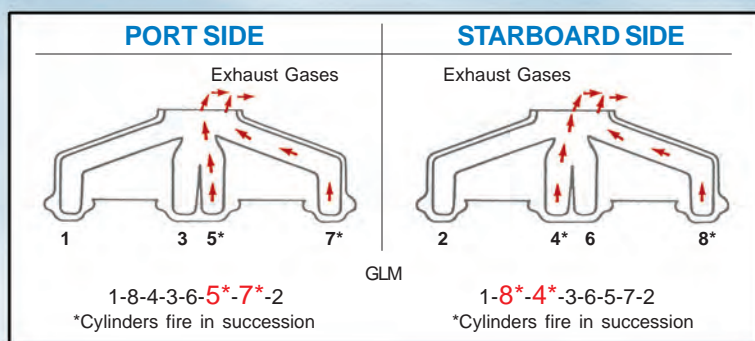
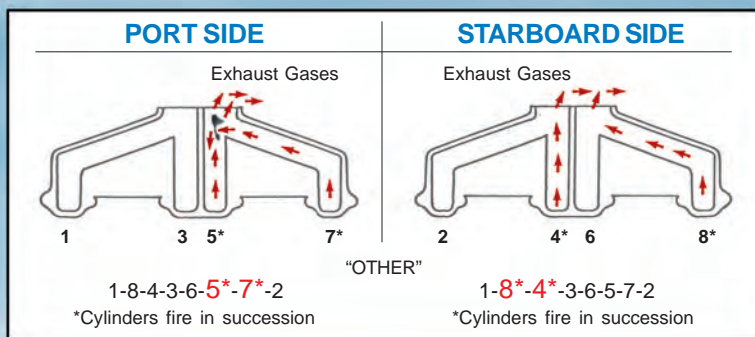
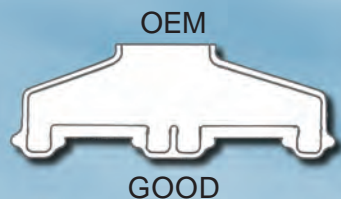
MerCruiser

MANIFOLD APPLICATIONS FOR MERCURUISER

Model	Year	Serial No. Range	Exhaust Mani.Port	Exhaust Mani.Stbd.	Exhaust Elbow	End Cap Front	End Cap Rear	Gasket Ex.Mani.	Gasket Ex.Elbow
5.7L EFI MIE 350/V8	1997-97	0K40300-0K999999	-	-	51140	N/A	N/A	31100	30240
5.7L MIE 350/V8	1994-97	0F025000-0K999999	51230	51230	51140	N/A	N/A	31100	32040
5.7L EFI MIE 350/V8	1997-97	0K040300-0K999999	-	-	51140	N/A	N/A	31100	32040
5.7L MIE (Gen +) 350/V8	1998-01	0L002003 & Up	51230	51230	51140	N/A	N/A	31100	32040
5.7L Ski 350/V8	1985-95	0A338533-0F775199	51230	51230	51110	N/A	N/A	31100	32040
5.7L Ski 350/V8	1985-95	0A338533-0F775199	51230	51230	51140	N/A	N/A	31100	32040
5.7L Ski 350/V8	1996-01	0F775200 & Up	51230	51230	51140	N/A	N/A	31100	32040
5.7LX 350/V8	1996-97	0F601000-0K999999	51230	51230	51110	N/A	N/A	31100	32040
5.7LX Bravo EFI 350/V8	1996-97	0F800300-0K999999	51230	51230	51140	N/A	N/A	31100	32080
5.7 LX EFI 350/V8	1996-97	0F752400-0K999999	51230	51230	51110	N/A	N/A	31100	30240
Black Scorpion Ski 350/V8	1996-01	0F800000 & Up	51230	51230	51140	N/A	N/A	31100	32080
233 351/V8	1975-77	4173000-4902304	-	-	-	51010	51010	33790	31520
233 MIE 351/V8	1975-77	4173000-4902304	-	-	-	51010	51010	33790	31520
233 MIE 351/V8	1975-77	4173000-4902304	-	-	-	51030	51010	33790	31520
255 (Ford) 351/V8	1973-74	3258728-4175499	-	-	-	51010	51010	33790	31520
255 MIE (Ford) 351/V8	1973-74	3258728-4175499	-	-	-	51010	51010	33790	31520
255 MIE (Ford) 351/V8	1973-74	3258728-4175499	-	-	-	51030	51010	33790	31520
377 Scorpion MCM 377/V8	2000-01	0L416146 & Up	51230	51230	51140	N/A	N/A	31100	32080
377 Scorpion Ski 377/V8	1997-98	0K000656 & Up	51230	51230	51140	N/A	N/A	31100	30240
MX 6.2L MPI 377/V8	2000-01	0L68003-0M29999	51230	51230	51140	N/A	N/A	31100	32080
MX 6.2L MPI 377/V8	2001-	0M300000 & Up	51230	51230	51140	N/A	N/A	31100	30240
MX 6.2L MPI Horizon 377/V8	2001-	0M300000 & Up	51230	51230	51140	N/A	N/A	31100	32080
MX 6.2L MPI Horizon MIE 377/V8	2001-	0M300000 & Up	51230	51230	51140	N/A	N/A	31100	32080
MX 6.2L MPI MIE 377/V8	2001-	0M300000 & Up	51230	51230	51140	N/A	N/A	31100	30240
325 427/V8	1968-68	2278747-2313964	N.L.A.	N.L.A.	N.L.A.	N.L.A.	N.L.A.	33760	N.L.A.
325 427/V8	1968-74	2313965-3780449	-	-	-	51010	51030	33760	31480
325 MIE 437/V8	1968-68	2278747-2313964	N.L.A.	N.L.A.	N.L.A.	N.L.A.	N.L.A.	33760	N.L.A.
325 MIE 427/V8	1968-74	2313965-3780449	-	-	-	51010	51030	33760	31480
330 454/V8	1977-81	4623115-6083144	-	-	-	51010	51010	33760	31480
330 454/V8	1982-87	6083145-0B816540	51240	51240	51110	N/A	N/A	33760	30240
330 454/V8	1982-87	6083145-0B816540	51240	51240	51140	N/A	N/A	33760	30240
330 MIE 454/V8	1977-81	4623115-6083144	-	-	-	51010	51010	33760	31480
340 MIE w/B/W 454/V8	1981-87	5889914-0B788365	51240	51240	-	N/A	N/A	33760	30240
340 MIE w/B/W 454/V8	1981-87	5889914-0B788365	51240	51240	51110	N/A	N/A	33760	30240
340 MIE w/B/W 454/V8	1981-87	5889914-0B788365	51240	51240	51140	N/A	N/A	33760	30240
350 MIE 454/V8	1974-75	3780450-4501640	-	-	-	51010	51030	33760	31480
350 MIE 454/V8	1976-76	4501641-4623109	-	-	-	51010	51010	33760	31480
370 TRS 454/V8	1978-85	4179554-6721527	-	-	-	51010	51030	33760	31480
370 TRS 454/V8	1985-87	6721528-0B714586	51240	51240	51140	N/A	N/A	33760	32080
400 TRS 454/V8	1980-86	4179554-0B457644	-	-	-	51010	51030	33760	31480
420 454/V8	1987-89	0A398941-0B622418	-	-	N.L.A.	N/A	N/A	33760	-
425 454/V8	1990-92	0A398941-0D937011	-	-	-	N/A	N/A	33760	-
450 454/V8	1995-96	0F347100-0F347277	-	-	-	N/A	N/A	33760	-
450 454/V8	1995-96	0F347100-0F347277	-	-	-	N/A	N/A	33760	-
450 454/V8	1995-96	0F347100-0F347277	-	-	-	N/A	N/A	33760	-
454 Mag Alpha 454/V8	1986-88	0A631894-0B785148	51240	51240	51140	N/A	N/A	33760	30240
454 Mag Bravo 454/V8	1988-97	0B721206-0K999999	51240	51240	51140	N/A	N/A	33760	30240
454 Mag EFI 454/V8	1994-95	0F115700-0F802349	51240	51240	51140	N/A	N/A	33760	30240
454 Mag EFI Ski 454/V8	1995-96	0F215800-0F820099	51240	51240	51140	N/A	N/A	33760	30240
454 Mag MPI 454/V8	1996-01	0F802350 & Up	51240	51240	51140	N/A	N/A	33760	30240
454 Mag MPI Horizon MIE 454/V8	1998-01	0L002200 & Up	51240	51240	51140	N/A	N/A	33760	30240
454 Mag MPI Ski 454/V8	1996-97	0F820100-0K999999	51240	51240	51140	N/A1	N/A	33760	30240
525 SC w/Bravo 454/V8	1991-96	0D456000-0F877734	-	-	-	N/A	N/A	33760	-
525 SC w/Bravo 454/V8	1991-96	0D456000-0F877734	-	-	-	N/A	N/A	33760	-
525 SC w/Bravo 454/V8	1991-96	0D456000-0F877734	-	-	-	N/A	N/A	33760	-
525 SC w/SSM 454/V8	1991-96	0D456000-0F877734	-	-	-	N/A	N/A	33760	-
525 SC w/SSM 454/V8	1991-96	0D456000-0F877734	-	-	-	N/A	N/A	33760	-
525 SC 454/V8	1997-97	0K000012 & Up	-	-	N/A	N/A	N/A	-	N/A
7.4L Bravo 454/V8	1988-97	0B771113-0K999999	51240	-	51140	N/A	N/A	33760	30240
7.4 EFI MIE 454/V8	1996-97	0F874815-0K999999	51240	-	51140	N/A	N/A	33760	30240
7.4L MIE w/B/W 454/V8	1988-92	0B788366-0D715493	51240	-	-	N/A	N/A	33760	30240
7.4L MIE w/B/W 454/V8	1988-92	0B788366-0D715493	51240	-	51110	N/A	N/A	33760	30240
7.4L MIE w/B/W 454/V8	1988-92	0B788366-0D715493	51240	-	51140	N/A	N/A	33760	30240
7.4L MIE w/Hurth 454/V8	1989-92	0C391564-0D715493	51240	-	51140	N/A	N/A	33760	30240
7.4L MIE 454/V8	1992-97	0D715494-0K999999	51240	-	51140	N/A	N/A	33760	30240
7.4L MPI 454/V8	1998-01	0L010003 & Up	51240	-	51140	N/A	N/A	33760	30240

MerCruiser

GM V8 SMALL BLOCK EXHAUST SYSTEM EVALUATION



A high performance aftermarket exhaust manifold can deliver a performance increase over a stock OEM exhaust manifold.

Separating Exhaust Gas Pulses

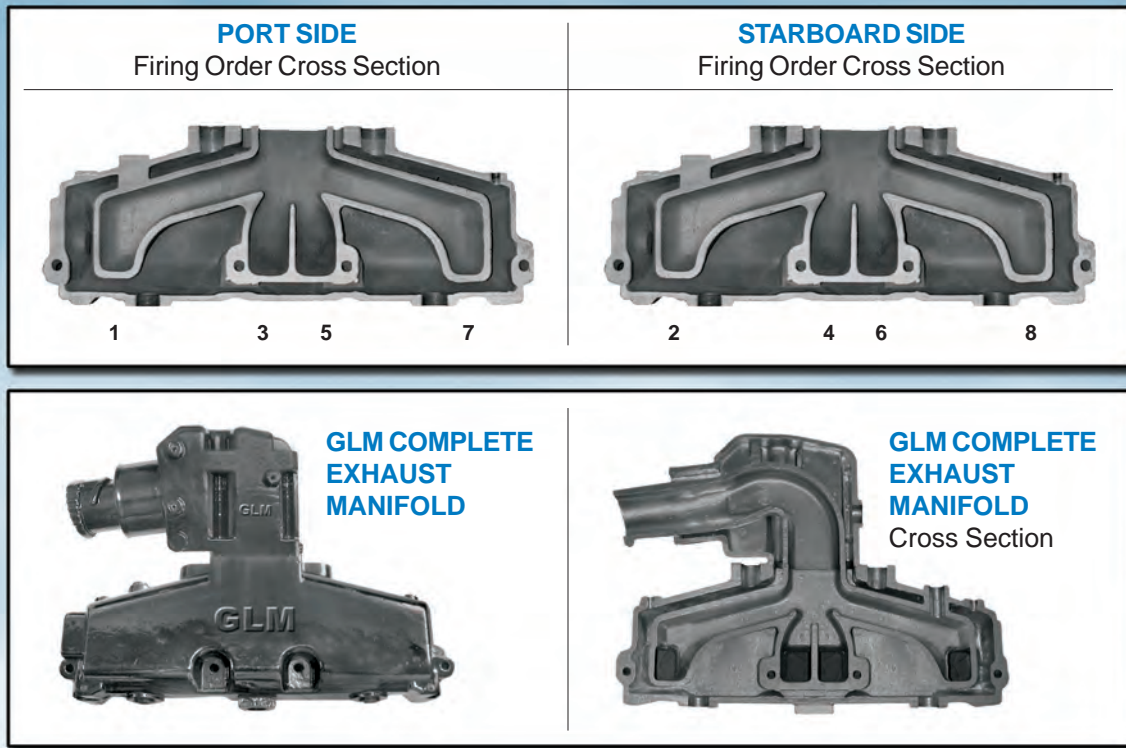
All V8 engines have a firing order that fires two cylinders within 90 degrees of each other on the same bank of cylinders. With a firing order of 1-8-4-3-6-5-7-2, we have #8 and #4 firing on the starboard side of the engine within 90 degrees of crankshaft rotation. On the port side, we have #5 and #7 firing within 90 degrees of crankshaft rotation of each other. Of course, this also means that the exhaust gases for these cylinders immediately discharge into the exhaust manifold one after the other.

At this point, when the two cylinders fill the manifold in immediate succession, the exhaust manifold becomes overwhelmed with exhaust gases, creating excessive back pressure. In fact, excessive backpressure from an overwhelmed exhaust system will not only keep spent gases from leaving the cylinder head exhaust port, but in certain ports, exhaust gases from adjacent cylinders may find their way back in.

The solution is to isolate each *exhaust gas pulse* for as long as possible in the exhaust manifold. There are aftermarket manifold manufacturers that go to great lengths to isolate each exhaust pulse the full length of the manifold, and there are some that barely address the problem at all. Choosing a high performance manifold that isolates each runner is the key to building horsepower with the exhaust system.

MerCruiser

GM V8 SMALL BLOCK EXHAUST SYSTEM EVALUATION



***If properly designed, it can achieve this by two ways:
Separating Exhaust Gas Pulses and Lowering Back Pressure.***

Separating Exhaust Gas Pulses Continued...

Because the starboard side of the engine fires #4 and #8 in succession, there is a cylinder (#6) separating the two. Dividing this manifold into two different sections by grouping #2 and #4 in the front half of the manifold and #6 and #8 into the back half of the manifold works relatively well in isolating the #4 and #8 cylinders. On the port side of the engine we have a problem: The #5 and #7 cylinders that fire in succession are next to each other.

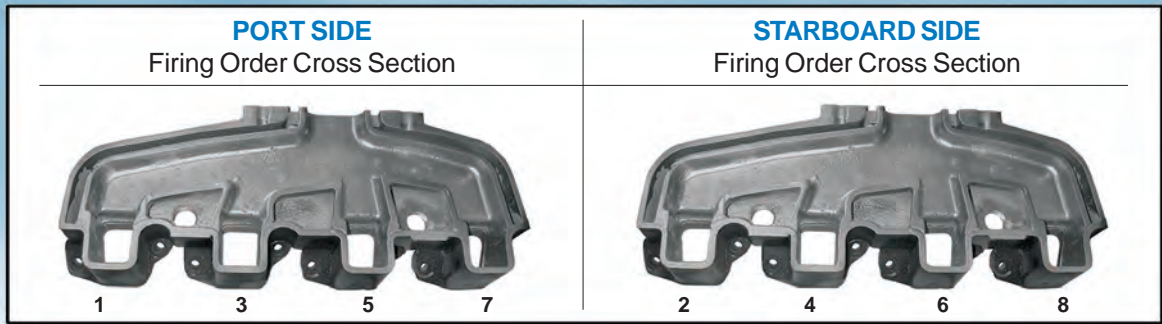
Dividing the port manifold into a front half and a back half groups cylinders #1 and #3 together (which is okay), but groups #5 and #7 together (which is definitely not okay). This is exactly what we are trying to prevent! The correct way to build the port side manifold is to isolate the exhaust gases from cylinders #5 and #7 all the way to the manifold exit.

Lowering Back Pressure

Lowering back pressure in the exhaust manifold is a combination of isolating the exhaust pulses as discussed in the previous section, and simply making the exhaust system larger. Some techniques for *lowering back pressure* include: large passages in the exhaust manifolds, a large exit hole out of the manifold, a large exhaust pipe and large radius curves in the pipe wherever the exhaust gases have to change direction.”

MerCruiser

GM V8 BIG BLOCK EXHAUST SYSTEM EVALUATION



Separating Exhaust Gas Pulses

All V8 engines have a firing order that fires two cylinders within 90 degrees of each other on the same bank of cylinders. With a firing order of 1-8-4-3-6-5-7-2 we have #8 and #4 firing on the starboard side of the engine within 90 degrees of crankshaft rotation of each other. Of course, this also means that the exhaust gases for these cylinders immediately discharges into the exhaust manifold one after the other. It is at this point, when the two cylinders fill the manifold in immediate succession, that the exhaust manifold becomes overwhelmed with exhaust gases, creating excessive back pressure. In fact, these two cylinders on each bank firing in succession, not only create excessive back pressure in the manifold, but all the way down the exhaust pipe. Excessive back pressure from an overwhelmed exhaust system will not only keep spent gases from leaving the cylinder head exhaust port, but in certain ports, exhaust gases from adjacent cylinders may find their way back in.

The solution is to isolate each exhaust gas pulse as much as possible for as long as possible in the exhaust manifold. There are aftermarket manifold manufacturers that go to great lengths to isolate each exhaust pulse the full length of the manifold and there are some that barely address the problem at all.

Divided Exhaust Manifolds

Because the starboard side of the engine fires cylinders 4 & 8 in succession, there is a cylinder (#6) separating the two. Dividing this manifold into two different sections by grouping cylinder #2 and #4 in the front half of the manifold, and #6 and #8 into the back half of the manifold with a divider, works relatively well in isolating cylinders #4 and #8. On the port side of the engine, we have a problem. The cylinders that fire in succession, 5&7, are next to each other. Dividing the port manifold into a front half and back half groups cylinder 1&3 together (which is okay) but also groups cylinder 5&7 together (definitely not okay). This is exactly what we are trying to prevent. The correct way to build the port side manifold is to isolate the exhaust gases from cylinders 5&7 all the way to the manifold exit. This can not be done with a simple divider in the middle of the manifold.

Lowering Back Pressure

Lowering back pressure in the exhaust manifold is a combination of isolating the exhaust pulses as discussed in the previous paragraph and simply making the exhaust system larger. Large passages in the exhaust manifolds, a large exit hole out of the manifold, a large exhaust pipe and large radius curves in the pipe wherever the exhaust gases have to change direction are the secrets to lowering back pressure.”





Section 2

Mercruiser - Dry Joint **Exploded Views, Gaskets & Components**

<i>Wet Joint Manifolds vs. Dry Joint Manifolds Comparison</i>	48
<i>Dry Joint Manifolds Section.....</i>	49
<i>Dry Joint - 7° V6/V8 S.B. Exhaust Manifold Dimensions</i>	50-51
<i>Dry Joint - 7° GM V6/V8 S.B. (2002-2004)</i>	52-53
<i>Dry Joint - 7° V6/V8 S.B. Complete Exhaust Manifold Kits</i>	54
<i>Dry Joint - 7° V6/V8 S.B. Exhaust Manifolds & Elbow</i>	54
<i>Dry Joint - 3" Spacer Kits for 7° Warm Risers</i>	54
<i>Dry Joint - 14° V6/V8 S.B. Exhaust Manifold Dimensions</i>	55
<i>Dry Joint - 14° GM V6/V8 S.B. (2005-2010)</i>	56-57
<i>Dry Joint - 14° V6/V8 S.B. Complete Exhaust Manifold Kits</i>	58
<i>Dry Joint - 14° V6/V8 S.B. Exhaust Manifolds & Elbow</i>	58
<i>Dry Joint - 1.7" & 3" Spacer Kits for 14° Warm Risers</i>	59
<i>Dry Joint - V6/V8 S.B. Exhaust Manifold & Elbow Gaskets.....</i>	60
<i>Dry Joint "Alternative" - Dry Joint System Replacement Option ...</i>	61
<i>Dry Joint "Alternative" - GM V6/V8 S.B. (0M SN#'s & Up).....</i>	62-63
<i>Dry Joint "Alternative" - V6/V8 Complete Ex. Manifold Kits</i>	64
<i>Dry Joint "Alternative" - V6/V8 Ex. Manifolds, Elbow & Spacer Kit</i>	64
<i>Dry Joint "Alternative" - V6/V8 Exhaust Manifold Dimensions</i>	65
<i>Exhaust Flapper Valves, Water Shutters & Exhaust Bellows</i>	66

MerCruiser

WET JOINT VS. DRY JOINT COMPARISON

Mechanics suggest replacing the exhaust manifolds every 3-5 years because the gasket surface between the manifolds and elbow corrodes and the gasket fails. This can allow water from the exhaust system to enter the exhaust ports of the engine.

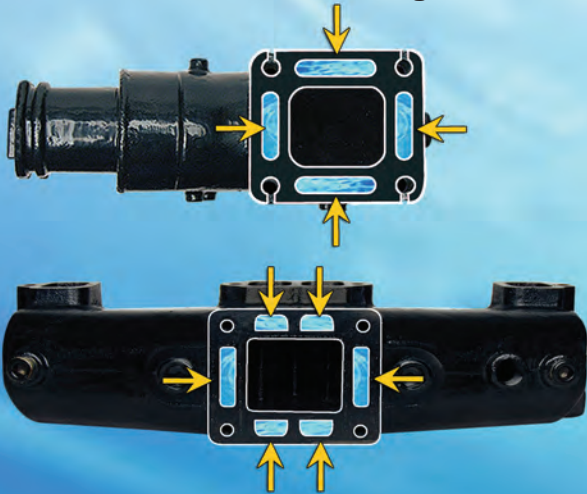
From 1983 to 2002 MerCruiser used an *internal* method of transferring water from the manifold to the elbow. This is called the “Wet Joint” exhaust system. In this system the water jackets are casted directly into the elbow.

In 2002 MerCruiser improved the method of transferring water from the manifold to the elbow. This is called the “Dry Joint” exhaust system. If the passages eventually failed from corrosion the water would simply leak into the bilge of the boat and not inside the exhaust ports. This system uses *external* water passages.

GLM Products, Inc. has developed exhaust manifold kits that allow for the replacement of both, the 2002 and newer “Dry Joint” and the 1983-2002 “Wet Joint” manifolds and elbows. The new replacement manifolds and elbows will last much longer than the OEM manifolds and elbows, backed by a 3 Yr. Warranty that will give boaters “peace of mind”.

WET JOINT (1983-2002)

Internal Water Passages



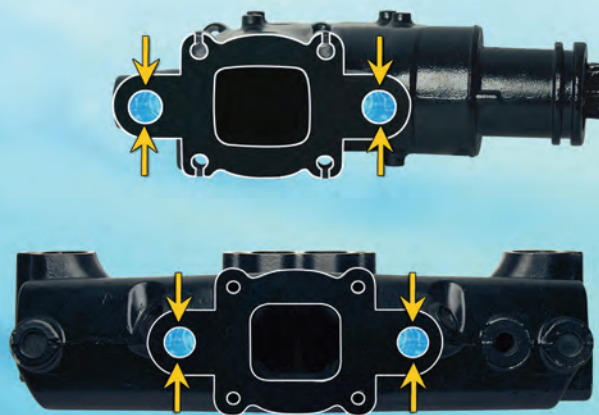
Elbow used with Wet Joint Manifolds 1987-2002

- 4" Hose
- 7° Angle
- 6.72" Tall



DRY JOINT (2002-2010)

External Water Passages



Elbow used with Dry Joint Manifolds 2002-2010

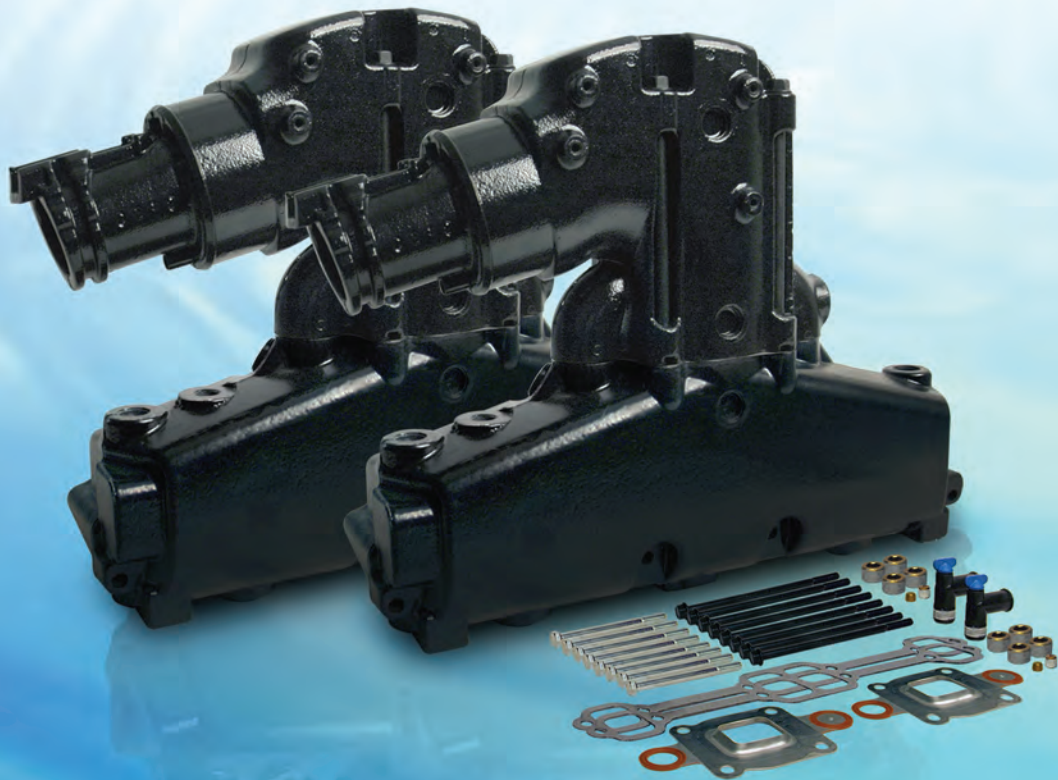
- 4" Hose
- 7° Angle
- 6.72" Tall



MerCruiser

DRY JOINT

**MANIFOLDS & ELBOWS
with
External Water Passages**



MerCruiser

DRY JOINT - 7°

V6 DRY JOINT EXHAUST MANIFOLD DIMENSIONS

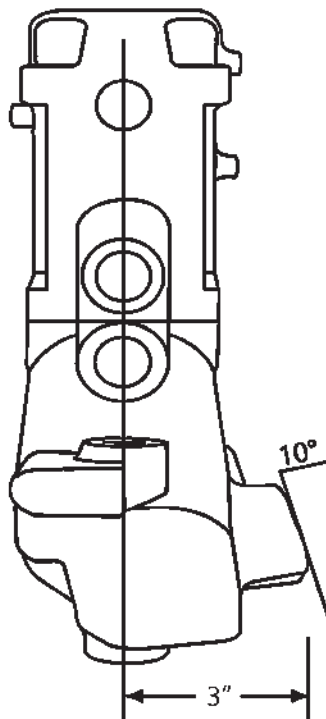
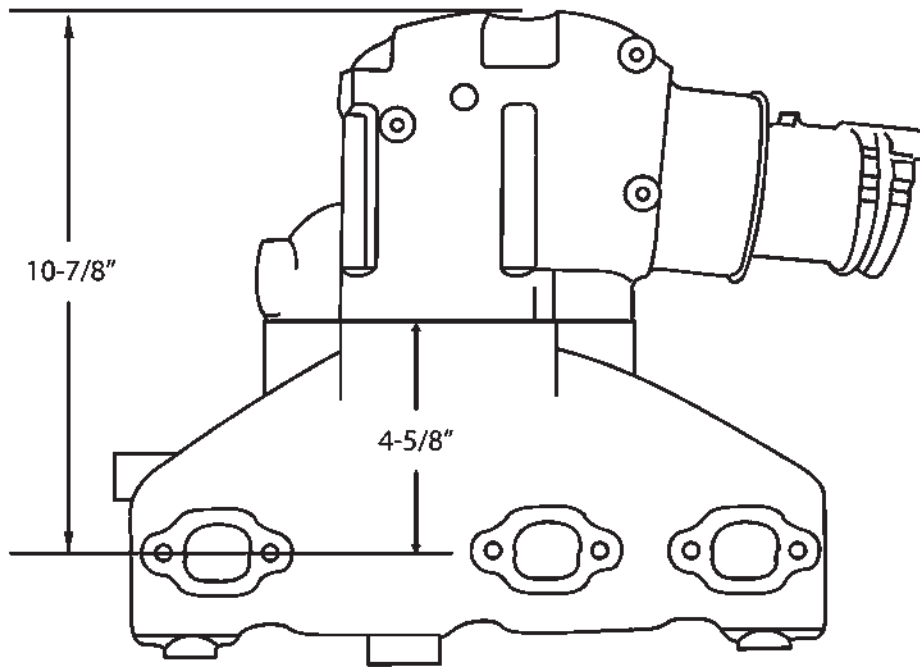
V6 Dry Joint (2002-2004)

No. 51146

7° EXHAUST ELBOW/RISER
OEM: 864309T02

No. 51227

EXHAUST MANIFOLD
OEM: 864612T01



MerCruiser

V8 S.B. DRY JOINT EXHAUST MANIFOLD DIMENSIONS

DRY JOINT - 7°

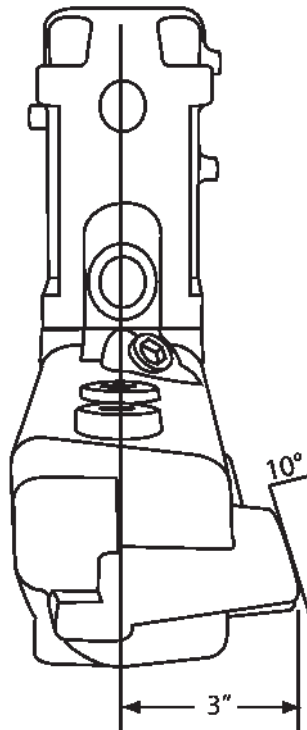
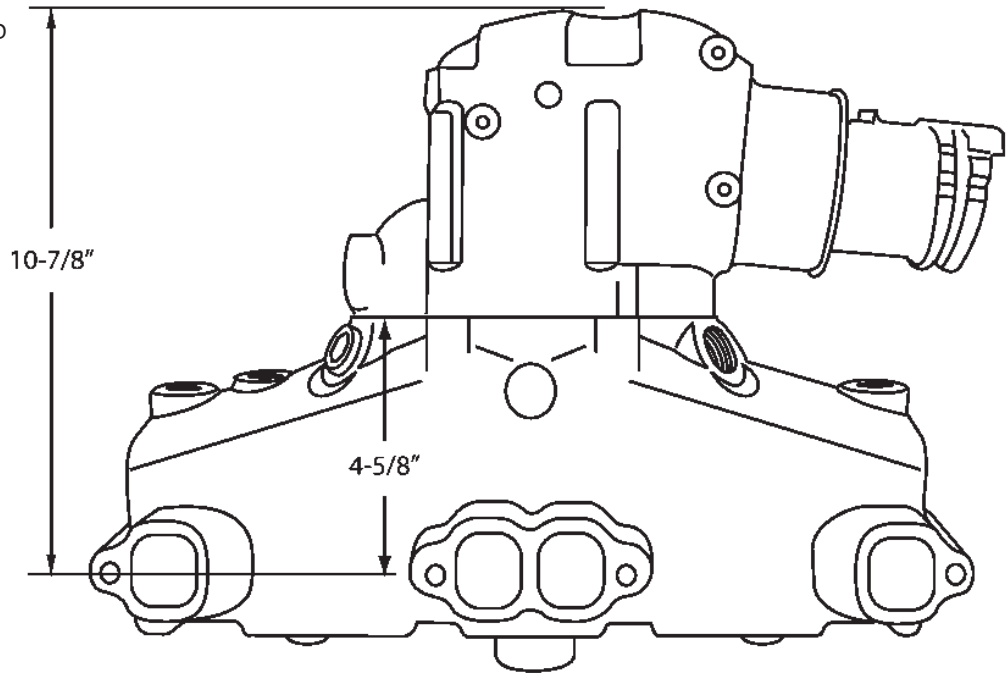
V8 S.B. Dry Joint (2002-2004)

No. 51146

7° EXHAUST ELBOW/RISER
OEM: 864309T02

No. 51237

EXHAUST MANIFOLD
OEM: 865735A02



MerCruiser

DRY JOINT - 7°

GM V6 & V8 S.B. DRY JOINT (2002-2004)

Complete Exhaust
Manifold Kit - V6

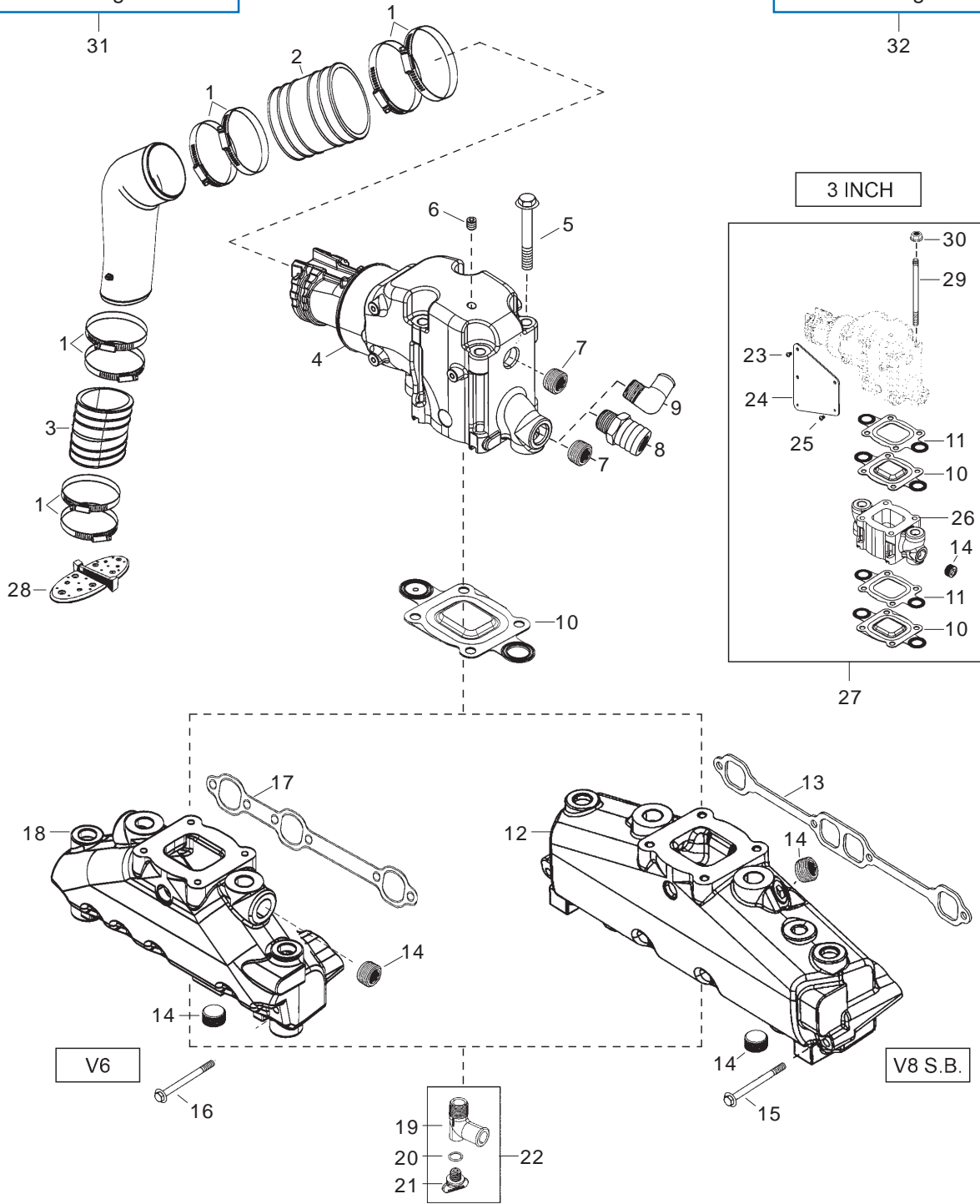
No. 58228

See Page 54

Complete Exhaust
Manifold Kit - V8 S.B.

No. 58238


See Page 54



MerCruiser

DRY JOINT - 7°

COMPLETE EXHAUST MANIFOLD KITS - V6 & V8 S.B.

Complete Manifold Kit w/o Spacer - V6	Complete Manifold Kit w/o Spacer - V8 S.B.
<p>No. 58228 No. 51146 Elbows 7° OEM: N/A No. 51227 Manifolds - V6</p>  <p>Comes with Dry Joint "Restrictor" Gaskets No. 37900</p>	<p>No. 58238 No. 51146 Elbows 7° OEM: N/A No. 51237 Manifolds - V8 S.B.</p>  <p>Comes with Dry Joint "Restrictor" Gaskets No. 37900</p>



DRY JOINT - 7°

EXHAUST MANIFOLDS & ELBOW - V6 & V8 S.B.

V6	V6 & V8 S.B.	V8 S.B.
<p>No. 51227 EXHAUST MANIFOLD - V6 OEM: 864612T01</p> 	<p>No. 51146 EXHAUST ELBOW - 7° OEM: 864309T02</p> 	<p>No. 51237 EXHAUST MANIFOLD - V8 S.B. OEM: 865735A02</p> 

DRY JOINT - 7°

SPACER KITS - 3"

3" Spacer Kit for Warm Riser - Standard Cooling	3" Spacer Kit for Warm Riser - Closed Cooling
<p>No. 50371 3" RISER KIT - STANDARD COOLING OEM: 864929A1</p>  <p>V6 & V8 Small Block with Standard "Open" Cooling</p>	<p>No. 50373 3" RISER KIT - CLOSED COOLING OEM: 864929A2</p>  <p>V6 & V8 Small Block with "Closed" Cooling</p>

MerCruiser

V6 & V8 S.B. DRY JOINT EXHAUST MANIFOLD DIMENSIONS

DRY JOINT - 14°

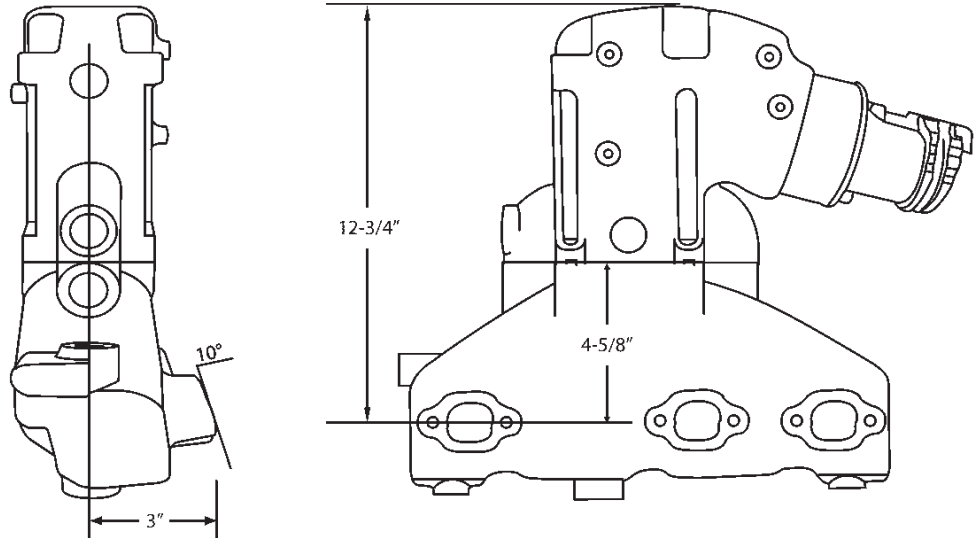
V6 Dry Joint (2005-2010)

No. 51147

14° EXHAUST ELBOW/RISER
OEM: 864591T02

No. 51227

EXHAUST MANIFOLD
OEM: 864612T01



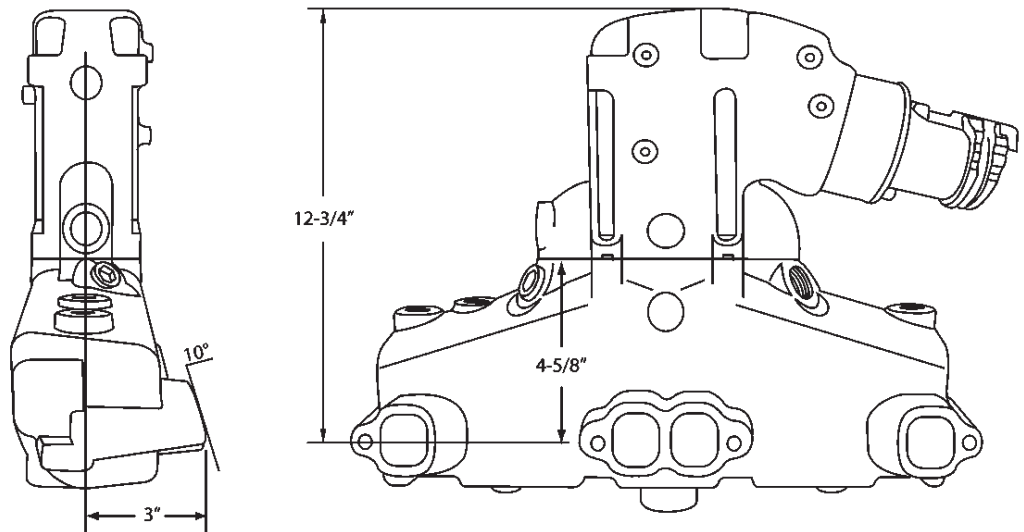
V8 S.B. Dry Joint (2005-2010)

No. 51147

14° EXHAUST ELBOW/RISER
OEM: 864591T02

No. 51237

EXHAUST MANIFOLD
OEM: 865735A02



MerCruiser

DRY JOINT - 14°

GM V6 & V8 S.B. DRY JOINT (2005-2010)

**Complete Exhaust
Manifold Kit - V6**

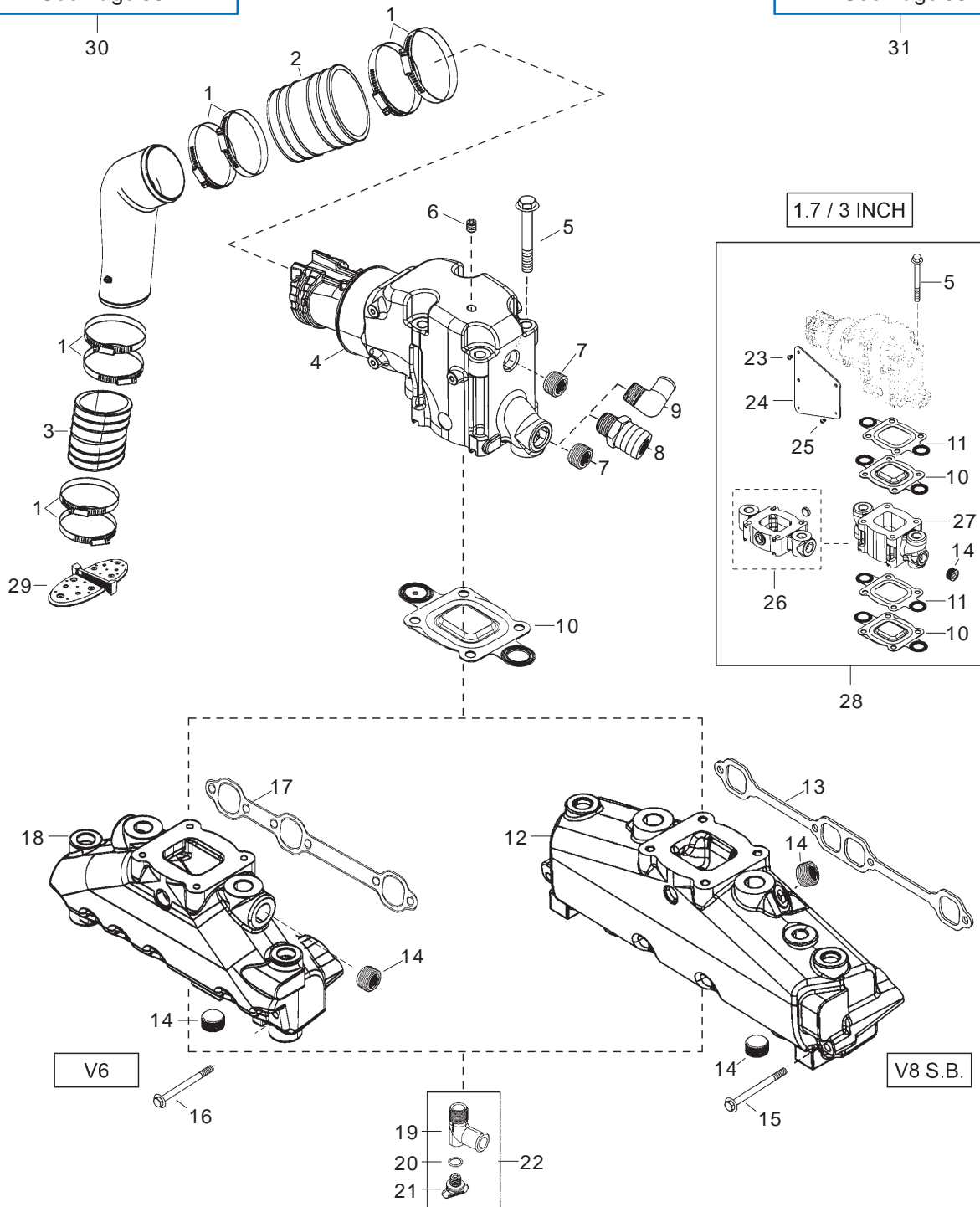
No. 58227

See Page 58

**Complete Exhaust
Manifold Kit - V8 S.B.**

No. 58237

See Page 58



MerCruiser

DRY JOINT - 14°

COMPLETE EXHAUST MANIFOLD KITS - V6 & V8 S.B.

Complete Manifold Kit w/o Spacer - V6

No. 58227

No. 51147 Elbows 14°
No. 51227 Manifolds - V6

OEM: N/A

Also comes with
Dry Joint "Restrictor"
Gaskets No. 37900



Complete Manifold Kit w/o Spacer - V8 S.B.

No. 58237

No. 51147 Elbows 14°
No. 51237 Manifolds - V8 S.B.

OEM: N/A

Also comes with
Dry Joint "Restrictor"
Gaskets No. 37900



DRY JOINT - 14°

EXHAUST MANIFOLDS & ELBOW - V6 & V8 S.B.

V6

V6 & V8 S.B.

V8 S.B.

No. 51227

EXHAUST MANIFOLD - V6
OEM: 864612T01



No. 51147

EXHAUST ELBOW - 14°
OEM: 864591T02



No. 51237

EXHAUST MANIFOLD - V8 S.B.
OEM: 865735A02



MerCruiser

SPACER KITS - 1.7" & 3"

DRY JOINT - 14°

1.7" Spacer Kit for Warm Riser - Standard Cooling

No. 50170
 1.7" RISER KIT
 STANDARD COOLING
 OEM: 865995A01



V6 & V8 Small Block with
 Standard "Open" Cooling

3" Spacer Kit for Warm Riser - Standard Cooling

No. 50370
 3" RISER KIT
 STANDARD COOLING
 OEM: 864929A3



V6 & V8 Small Block with
 Standard "Open" Cooling

1.7" Spacer Kit for Warm Riser - Closed Cooling

No. 50172
 1.7" RISER KIT
 CLOSED COOLING
 OEM: 865996A01



V6 & V8 Small Block
 with "Closed" Cooling

3" Spacer Kit for Warm Riser - Closed Cooling

No. 50372
 3" RISER KIT
 CLOSED COOLING
 OEM: 864929A4



V6 & V8 Small Block
 with "Closed" Cooling

MerCruiser

DRY JOINT

EXHAUST MANIFOLD & ELBOW GASKETS V6 & V8 S.B.

Dry Joint Exhaust Manifold Mounting Kits

No. 32175

OEM: N/A



GM V6

No. 31105

OEM: N/A

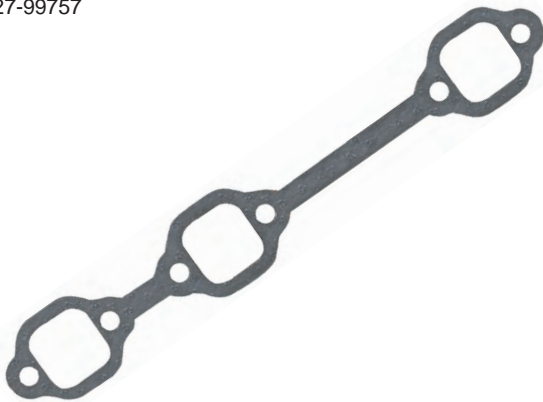


GM V8 S. B.

Dry Joint Exhaust Manifold Gaskets

No. 32170

OEM: 27-99757



GM V6

No. 31100

OEM: 27-33395



GM V8 S. B.

Dry Joint Exhaust Elbow Gaskets

No. 37900

OEM: 27-864850A02

DRY JOINT ELBOW GASKET
"RESTRICTOR"



GM V6 & V8 S.B.

No. 37910

OEM: 27-864547A02

DRY JOINT ELBOW GASKET
"FULL FLOW"



GM V6 & V8 S.B.

No. 37920

OEM: 27-864549A02

DRY JOINT ELBOW GASKET
"BLOCK OFF"



GM V6 & V8 S.B.

MerCruiser

V6/V8 S.B. DRY JOINT "ALTERNATIVE" EXHAUST SYSTEM

Replace your Complete Dry Joint Exhaust System with GLM's Dry Joint "Alternative" Manifold + Elbow Set!

For just over the cost of 1 dry joint elbow, you can purchase GLM's manifold + elbow set* and replace both pieces, eliminating your costly dry joint exhaust system!

From Exterior to Interior Water Passages.

V6
No. 58650
No. 58653
w/ 3" Spacer



V8 S.B.
No. 58660
No. 58663
w/ 3" Spacer



V6 & V8 S.B.
No. 51148

*Dry Joint Alternative Manifold + Elbow Sets come with 1 Manifold, 1 Elbow and All Gaskets and Hardware. To replace both sides of engine, you must order 2 sets.

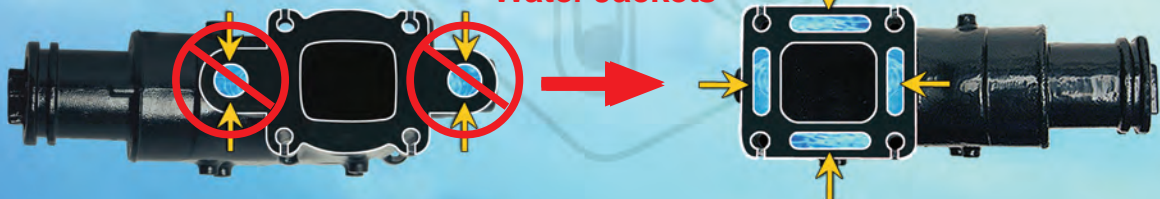
OEM DRY JOINT

External Water Passages

WET JOINT REPLACEMENT

Internal Water Passages

Elimination of Exterior Water Jackets



GLM has removed the exterior water ports and cast water jackets directly into the elbows & manifolds, replacing the "Dry Joint" system with the standard "Wet Joint" exhaust system.



OEM
"DRY JOINT"
ELBOW

Additional Water Ports casted in GLM Elbow No. 51148

This allows for maximum water flow through the elbow, significantly reducing the chance of blockage from any debris in the water system.



DRY JOINT
"ALTERNATIVE"
ELBOW

The Difference is Clear!

DRY
JOINT

WET
JOINT



MerCruiser

WET JOINT GM V6/V8 S.B. DRY JOINT "ALTERNATIVE" (0M SN#'s & UP)

**Dry Joint Alternative
Manifold Set - V6**

No. 58650

See Page 64

3" Spacer Kit

No. 50350

See Page 64

**Dry Joint Alternative
Manifold Set - V8 S.B.**

No. 58660

See Page 64

**D.J. Alternative Set
w/ 3" Spacer - V6**

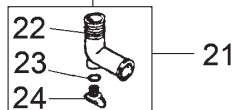
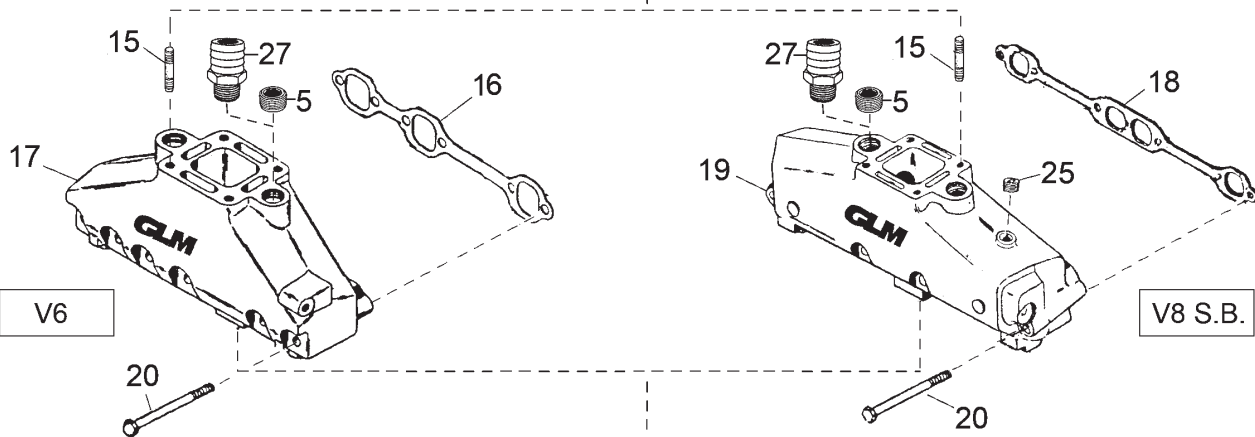
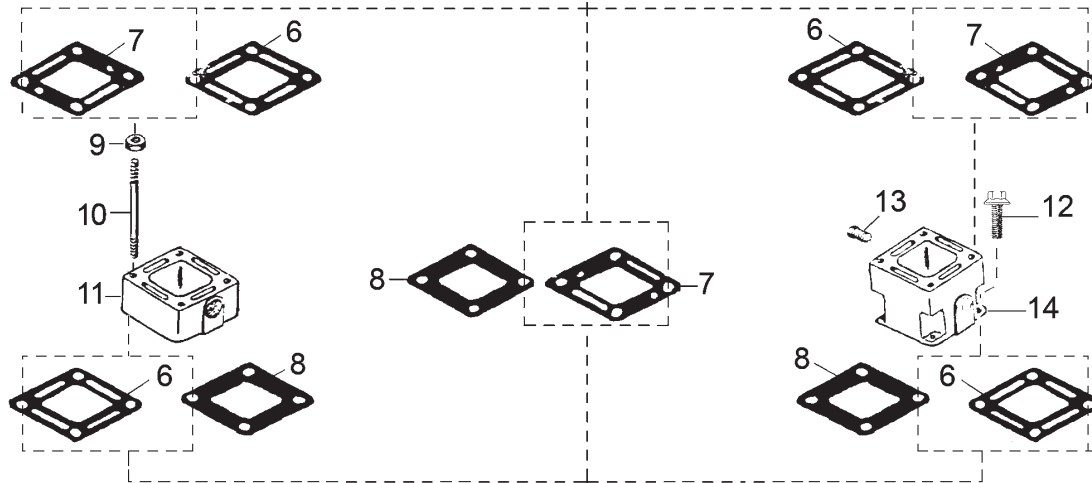
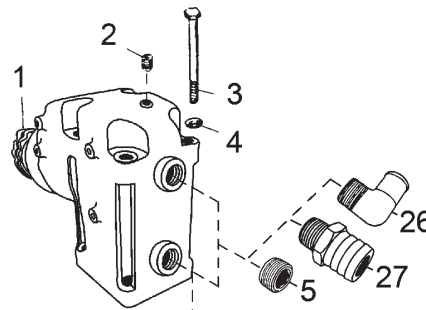
No. 58653

See Page 64

**D.J. Alternative Set
w/ 3" Spacer - V8 S.B.**

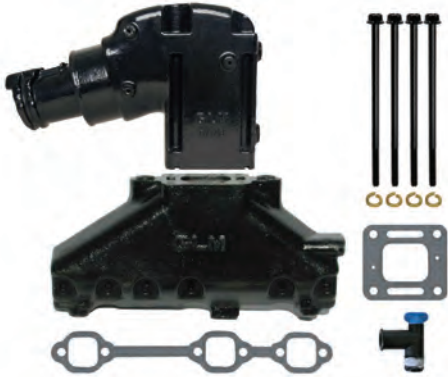
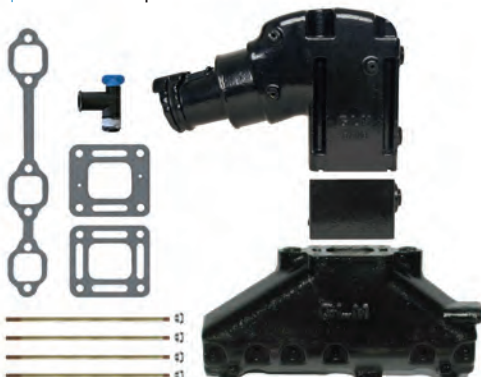
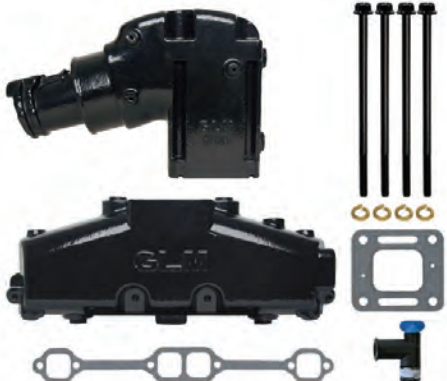
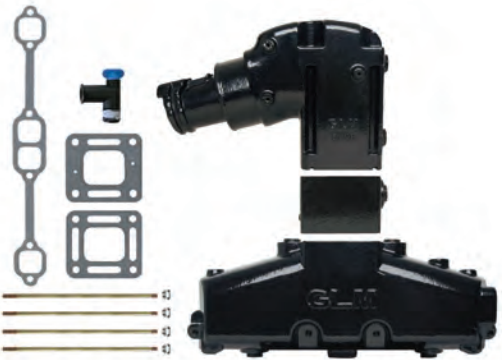
No. 58663

See Page 64







MerCruiser

WET JOINT COMPLETE DRY JOINT "ALTERNATIVE" KITS - V6/V8 S.B.

V6 - Dry Joint "Alternative" Set w/o Spacer	V6 - Dry Joint "Alternative" Set with 3" Spacer
<p>No. 58650 No. 51148 Elbow OEM: N/A No. 51220 Manifold</p> <p>Kit contains: 1 Manifold, 1 Elbow, All Gaskets & Hardware</p>  <p>Replaces Your Complete Dry Joint System</p>	<p>No. 58653 No. 51148 Elbow OEM: N/A No. 51220 Manifold No. 50300 Spacer</p> <p>Kit contains: 1 Manifold, 1 Elbow, 1 Spacer, All Gaskets & Hardware</p>  <p>Replaces Your Complete Dry Joint System</p>
V8 S.B. - Dry Joint "Alternative" Set w/o Spacer	V8 S.B. - Dry Joint "Alternative" Set with 3" Spacer
<p>No. 58660 No. 51148 Elbow OEM: N/A No. 51230 Manifold</p> <p>Kit contains: 1 Manifold, 1 Elbow, All Gaskets & Hardware</p>  <p>Replaces Your Complete Dry Joint System</p>	<p>No. 58663 No. 51148 Elbow OEM: N/A No. 51230 Manifold No. 50300 Spacer</p> <p>Kit contains: 1 Manifold, 1 Elbow, 1 Spacer, All Gaskets & Hardware</p>  <p>Replaces Your Complete Dry Joint System</p>

WET JOINT D. J. "ALTERNATIVE" MANIFOLD, ELBOWS & SPACER KIT

V6	V6 & V8 S.B.	V8 S.B.	3" D.J. Spacer Kit
<p>No. 51220 EXHAUST MANIFOLD - V6 OEM: 99746A17</p> 	<p>No. 51148 EXHAUST ELBOW - D.J. ALT. OEM: 864591T02</p> 	<p>No. 51230 EXHAUST MANIFOLD - V8 S.B. OEM: 860246Q11</p> 	<p>No. 50350 Dry Joint 3" SPACER KIT CAST IRON OEM: N/A "Alternative" (2004 & Up)</p>  <p>11"</p>



MerCruiser

V6/V8 S.B. DRY JOINT "ALTERNATIVE" MANIFOLD DIMENSIONS

WET JOINT

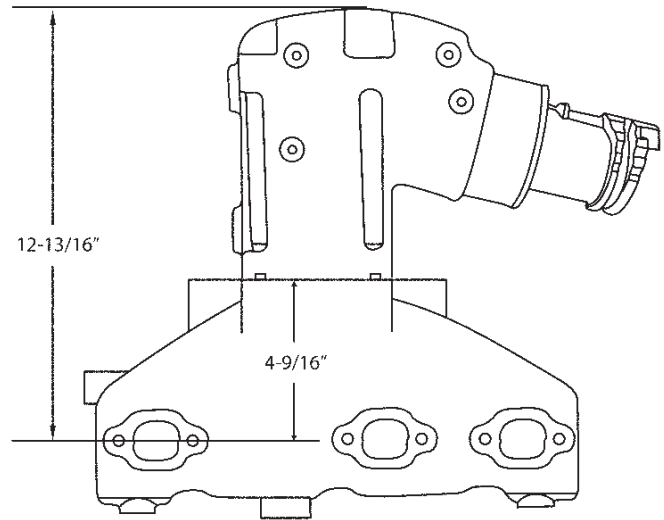
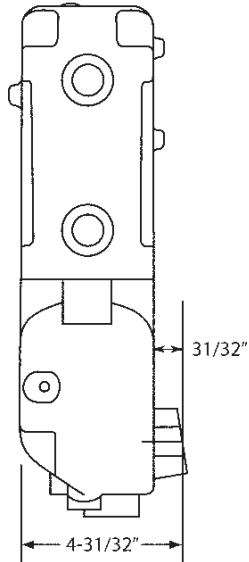
V6 Dry Joint Alternative (0M SN #'s & Up)

No. 51148

EXHAUST ELBOW
OEM: N/A

No. 51220

EXHAUST MANIFOLD
OEM: 99746A17



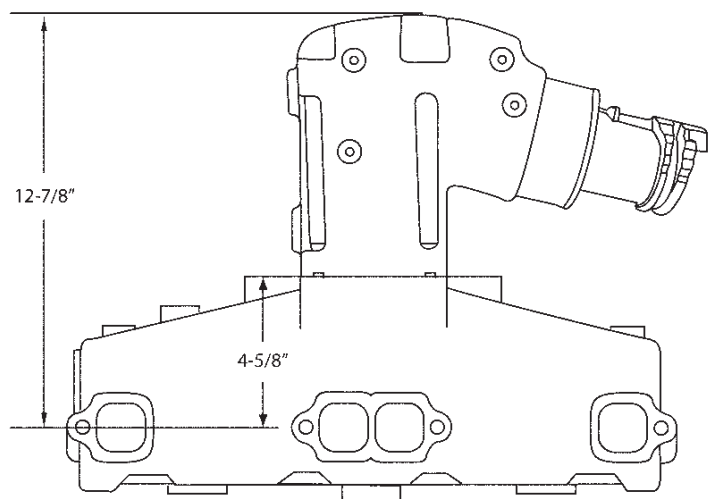
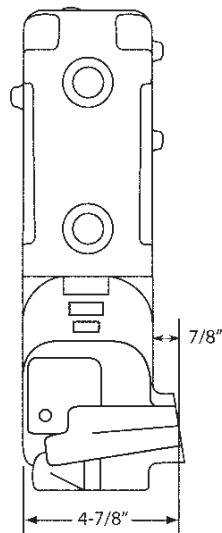
V8 S.B. Dry Joint Alternative (0M SN #'s & Up)

No. 51148

EXHAUST ELBOW
OEM: N/A

No. 51230

EXHAUST MANIFOLD
OEM: 860246A10



MerCruiser

EXHAUST FLAPPER VALVES			WATER SHUTTERS		
<p>No. 89240 FLAPPER VALVE 3" OEM: 34765A1 (with Clamps)</p>  <p>3 Inch</p>	<p>No. 89250 FLAPPER VALVE 4" OEM: 12644A1 (with Clamps)</p>  <p>4 Inch</p>	<p>No. 89260 FLAPPER VALVE- 5" & 6" OEM: N/A (with Clamps)</p>  <p>5 & 6 Inch</p>	<p>No. 89160 WATER SHUTTER OEM: 99370A2</p>  <p>3"</p>	<p>No. 89175 WATER SHUTTER OEM: 807166A1</p>  <p>3"</p>	<p>No. 89174 WATER SHUTTER OEM: N/A</p>  <p>4"</p>
EXHAUST BELLOWS					
<p>No. 89090 LOWER - 3 INCH OEM: 32-9094T</p>  <p>3" Elbow to 3" Y-Pipe</p>	<p>No. 89130 LOWER - 4 INCH OEM: 32-14358T</p>  <p>4" Elbow to 4" Y-Pipe</p>	<p>No. 89070 UPPER - 3 INCH OEM: 70981A3</p>  <p>3" Center Mounted Riser to 4" Elbow Rear Mounted Riser to 4" Y-Pipe V8 (1971-1982), V6 & V8</p>	<p>No. 89120 UPPER - 4 INCH OEM: 32-4434001</p>  <p>4" Center Mounted Riser to 4" Elbow V6 & V8</p>		
<p>No. 89060 EXHAUST ELBOW BELLOW OEM: 53114A1</p>  <p>4 & 6-Cyl. Inline Engines</p>	<p>No. 89100 EXHAUST ELBOW BELLOW OEM: 18654A1 (w/ Clamps & Clips)</p>  <p>Transom Plate to Bell Housing</p>	<p>No. 89150 EXHAUST TUBE OEM: 78458A1 (w/ Clamp & Clips)</p>  <p>Transom Plate to Bell Housing</p>	<p>SUS 316 Hose Clamps</p> <p>No. 01056 OEM: 54-815504456 For Bellow 89090, 89060, 89070</p> <p>No. 01070 OEM: 54-815504348 For Bellow 89100, 89150, 89060 (Small side)</p> <p>No. 01100 OEM: 54-815504372 For Bellow 89120, 89130, 89070 (Large side)</p> 		

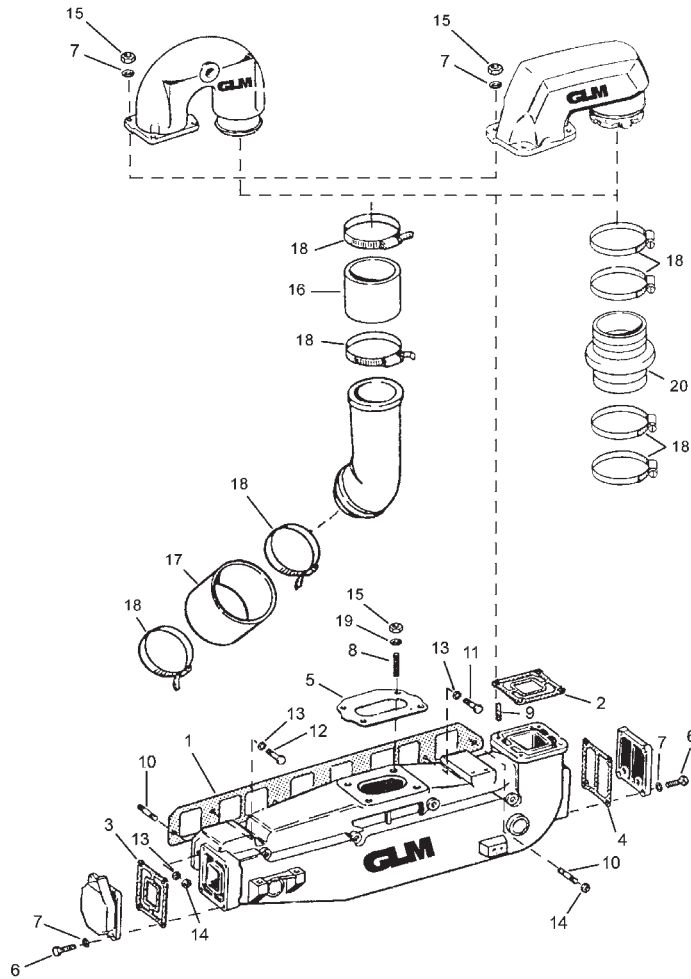
Section 3

OMC Exploded Views, Gaskets & Components

<i>4-Cylinder - 181 CID (1973-90)</i>	68
<i>4-Cylinder - 181 CID (1991 & Up)</i>	69
<i>V6 Exhaust Manifold Dimensions</i>	70
<i>V6 - 262 CID (1986 & Up)</i>	71
<i>Complete Exhaust Manifold Kit, Manifold & Elbow - 4-Cylinder. .</i>	72
<i>Complete Exhaust Manifold Kits - Standard & Hi-Rise - V6.</i>	72
<i>Complete Exhaust Manifold, Standard & Hi-Rise Elbow - V6.....</i>	72
<i>Complete Exhaust Manifold Conversion Kit - GM V6</i>	73
<i>V8 S.B. Exhaust Manifold Dimensions</i>	74-75
<i>V8 S.B. - 305/350 CID (1979-89)</i>	76
<i>V8 S.B. - GM 350 CID (1989 & Up)</i>	77
<i>V8 S.B. - FORD 302/351 CID (1991 & Up)</i>	78
<i>Complete Exhaust Manifold Kits - V8 S.B.</i>	79
<i>Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 S.B.</i>	80
<i>Exhaust Manifolds, Standard & Hi-Rise Elbows - V8 S.B.</i>	81
<i>Complete Ex. Manifold Conversion Kit - FORD V8 S.B.</i>	82
<i>V8 B.B. Exhaust Manifold Dimensions</i>	83
<i>V8 B.B. - GM 454/502 CID (1991 & Up)</i>	84
<i>Complete Exhaust Manifold Kits - V8 B.B.</i>	85
<i>Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 B.B.</i>	85
<i>Exhaust Manifold, Standard & Hi-Rise Elbow - V8 B.B.</i>	85
<i>Complete Manifold Kit w/ 460 Adapter Plates - V8 B.B.</i>	86
<i>Exhaust Manifold Gasket & Hardware Kits</i>	87
<i>Exhaust Flapper Valves, Bellows/Hoses, Caps & Clamps</i>	88

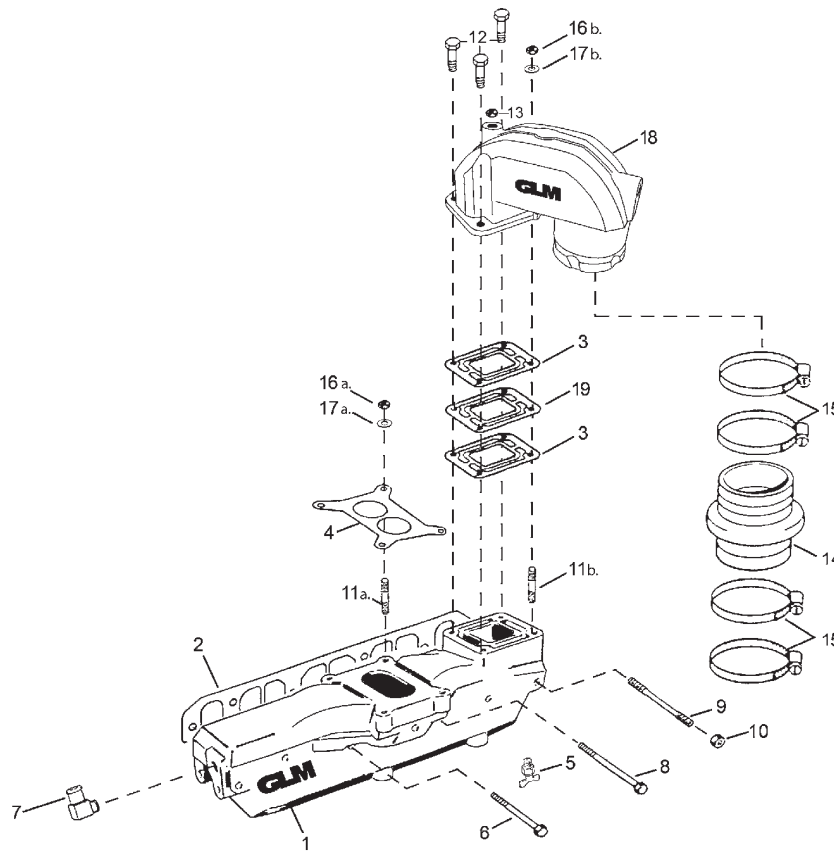
OMC

MODEL 140 - GM 181 CID, 3.0L, 4-CYL. (1973-90)



Ref No.	GLM No.	OEM No.	Description	Qty.
1	31570	908079	Gasket - Exhaust Manifold	1
2	33770	3850495	Gasket - Exhaust Elbow	1
3	33330	311121	Gasket - End Cap	1
4	32580	907761	Gasket - End Cap	1
5	34700	315055	Gasket - Carburetor	1
6	22362	317624	Screw - End Cap	1
7	21496	306470	Lockwasher	1
8	22482	3853373	Stud - Carburetor	8
9	22483	310870	Stud - Exhaust Elbow	12
10	22484	3852093	Stud - Exhaust Manifold	4
11	22399	907891	Screw	4
12	22376	201809	Screw	2
13	21493	3852002	Lockwasher	1
14	21160	552938	Nut	3
15	21249	316355	Nut	1
16	89221	909232	Exhaust Hose	1
17	89223	909371	Exhaust Hose	8
18	01090	3852604	Clamp	1
19	21494	-	Washer	1
20	89222	3852741	Exhaust Hose	4

MODEL 3.0/3.0 H.O. - GM 181 CID, 4-CYL. (1991 & UP)



**Complete Exhaust
Manifold Kit - 4-Cyl.**

No. 58450

See Page 72

20

Ref No.	GLM No.	OEM No.	Description	Qty.
1+	51450	3858870	Exhaust Manifold - Cast Iron	1
2*+	33580	3853256	Gasket - Exhaust Manifold	1
3*+	33770	3850495	Gasket - Exhaust Elbow	2
4*+	30382	3853283	Gasket - Carburetor	1
5*+	13993	82745	Drain Cock	1
6	22315	3853430	Screw	3
7*+	13970	3852538	Elbow Fitting - Exhaust Manifold	1
8	21757	3853431	Screw	1
9	22488	3853378	Stud - Exhaust Manifold	2
10	21248	3853404	Locknut	2
11a.	22482	3853373	Stud - Carburetor	4
11b.+	22482	3853373	Stud - Exhaust Manifold	1
12+	21753	3853397	Screw - Exhaust Elbow	3
13	21887	22-36382	Plug	2
14	89222	3852741	Exhaust Hose	1
15	01090	3852604	Clamp	4
16a.+	19354	11-862902	Nut - Carburetor	4
16b.+	19354	11-862902	Nut - Exhaust Manifold	1
17a.+	21664	12-20084	Washer - Carburetor	4
17b.+	21664	12-20084	Washer - Exhaust Manifold	1
18+	51340	3863071	Exhaust Elbow	1
19+	50007	3853628	Restrictor	1
20	58450	-	Manifold Set	1
* Included with No. 51450				
+ Included with No. 58450				

OMC

V6 EXHAUST MANIFOLD DIMENSIONS

V6 (1986 & Up)

No. 51330

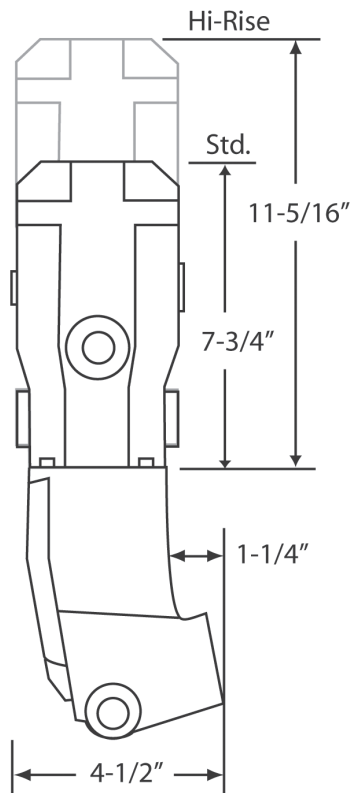
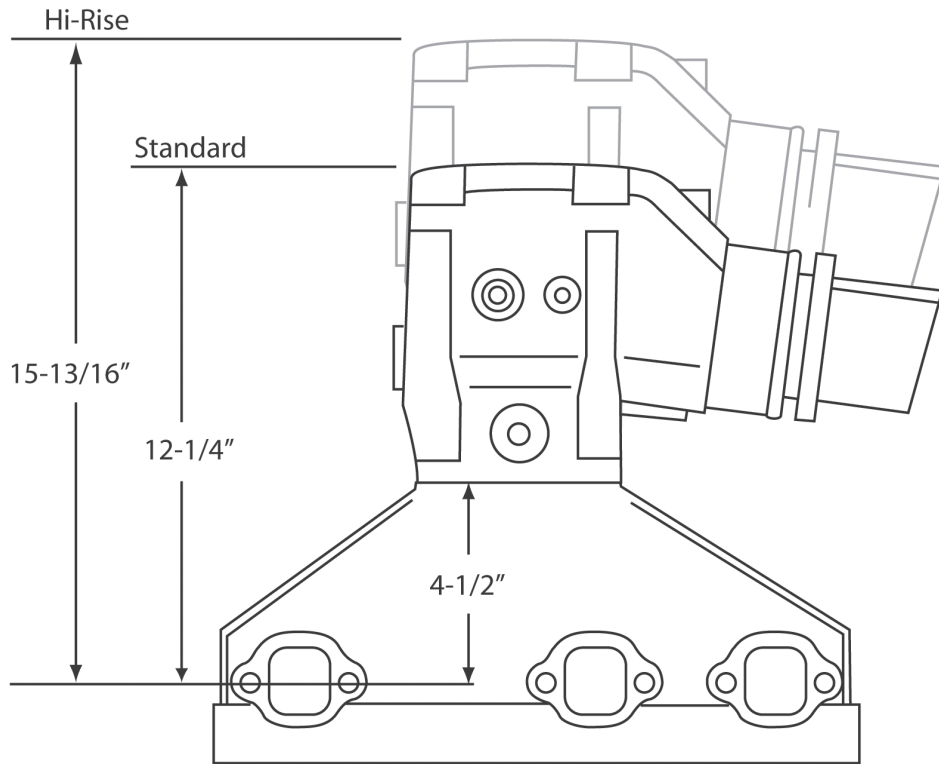
EXHAUST ELBOW
Standard 7.8"
OEM: 3857944

No. 51337

EXHAUST ELBOW
Hi-Rise 11.3"
OEM: 3862627

No. 51480

EXHAUST MANIFOLD
OEM: 3857656



OMC

COMPLETE EXHAUST MANIFOLD KIT, MANIFOLD & ELBOW - 4-CYL.

GM 4-Cylinder

No. 58450

OEM: N/A

No. 51340 Elbow
No. 51450 Manifold



GM 4-Cylinder 181 CID (1991 & Up)

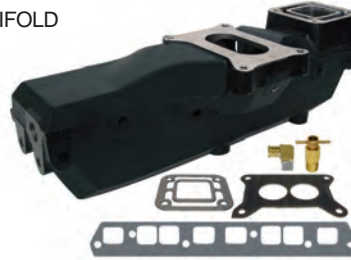
No. 51340

EXHAUST ELBOW
4-CYLINDER
OEM: 3850799



No. 51450

EXHAUST MANIFOLD
4-CYLINDER
OEM: 3858870



COMPLETE EXHAUST MANIFOLD KITS - V6

GM V6 w/ Standard Elbows

No. 58480

OEM: N/A

No. 51330 Elbows
No. 51480 Manifolds



7.8"

GM V6 262 CID (1991 & Up)

GM V6 w/ Hi-Rise Elbows

No. 58487

OEM: N/A

No. 51337 Hi-Rise Elbows
No. 51480 Manifolds



11.3"

GM V6 262 CID (1991 & Up)

EXHAUST MANIFOLD, STANDARD & HI-RISE ELBOW - V6

Standard

No. 51330

EXHAUST ELBOW
V6 Standard 7.8"
OEM: 3857944



7.8"

GM V6

No. 51480

EXHAUST MANIFOLD - V6
OEM: 3857656



Hi-Rise

No. 51337

EXHAUST ELBOW
V6 Hi-Rise 11.3"
OEM: 3862627



11.3"

OMC

COMPLETE EXHAUST MANIFOLD CONVERSION KIT - GM V6

V6, 4.3L, GM 262 CID (1986-1990)

The "One-Piece" Manifolds were used between 1986-1990 and are **No Longer Available**.



GLM's Conversion Kit **No. 58995** with Two-Piece Center Rise Manifolds Replaces the "One-Piece" Manifolds.



GLM's Two-Piece 4" Center-Rise Manifolds Replace OEM Manifolds No.'s 984221 and 984222.

No. 58995 Single-piece Manifolds to OEM: N/A 4" Center Rise Manifolds

Kit Contains:

GLM	OEM	ITEM
51330 (2)	3857944	Elbows
51480 (2)	3857656	Manifolds
50790 (2)	3853372	Exhaust Tube
89222 (2)	3863450	Exhaust Hose
89224 (2)	3852696	Exhaust Hose
01100 (8)	3853860	Hose Clamps
01090 (8)	3852604	Hose Clamps
32170 (2)	3853412	Manifold Gaskets
33810 (2)	909786	Elbow Gaskets
13982 (2)	N/A	Straight Fitting Kit
13970 (2)	3852538	Elbow Fitting

Plus All Hardware Needed!



When installing Two-Piece Manifold Conversion Kit GLM No. 58995, **Re-Use the Original Y-Pipe.**



GLM No. 58995 4" Center Rise Manifold Conversion Kit Assembled.



V8 S.B. EXHAUST MANIFOLD DIMENSIONS (1979 & Up)

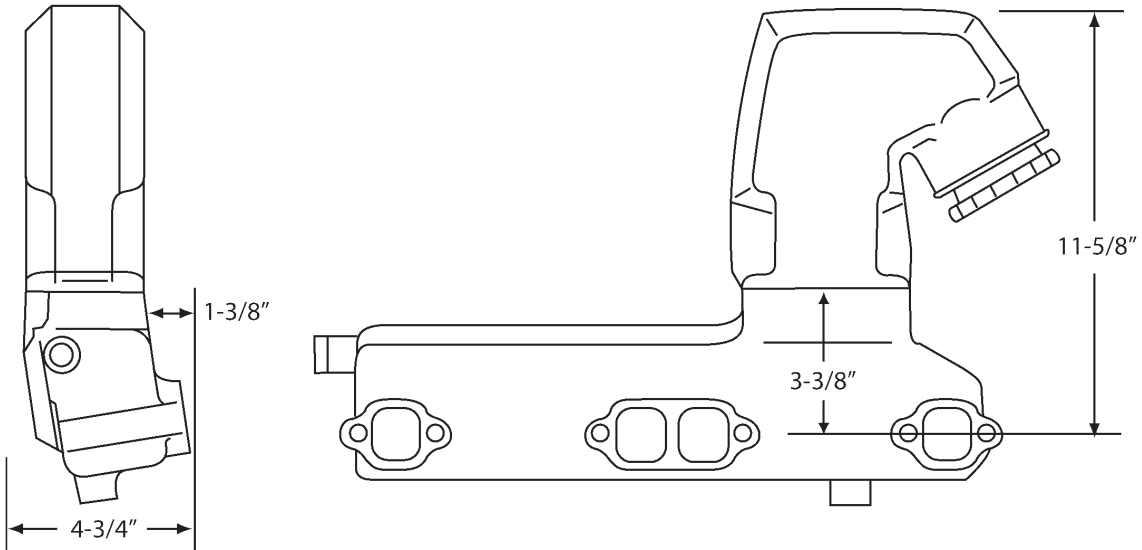
V8 S.B. (1979-88)

No. 51320

EXHAUST ELBOW
OEM: 909863

No. 51410

EXHAUST
MANIFOLD
OEM: 912441



V8 S.B. (1989 & Up)

No. 51330

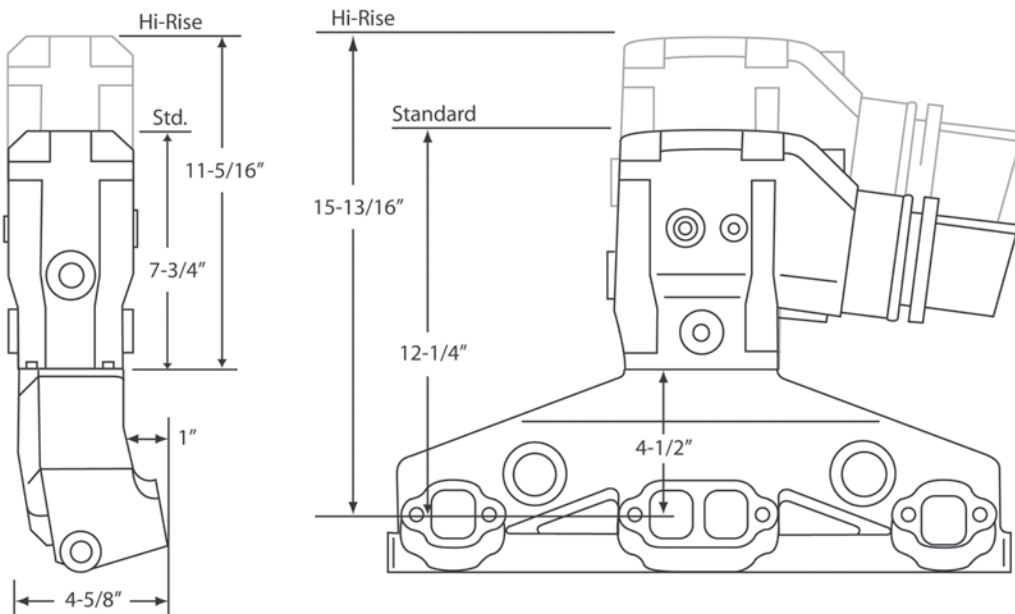
EXHAUST ELBOW
Standard 7.8\"/>

No. 51337

EXHAUST ELBOW
Hi-Rise 11.3\"/>

No. 51430

EXHAUST MANIFOLD
OEM: 3857723



OMC

V8 S.B. EXHAUST MANIFOLD DIMENSIONS (1991 & Up)

V8 S.B. (1991 & Up)

No. 51330

EXHAUST ELBOW

Standard 7.8"

OEM: 3857944

No. 51337

EXHAUST ELBOW

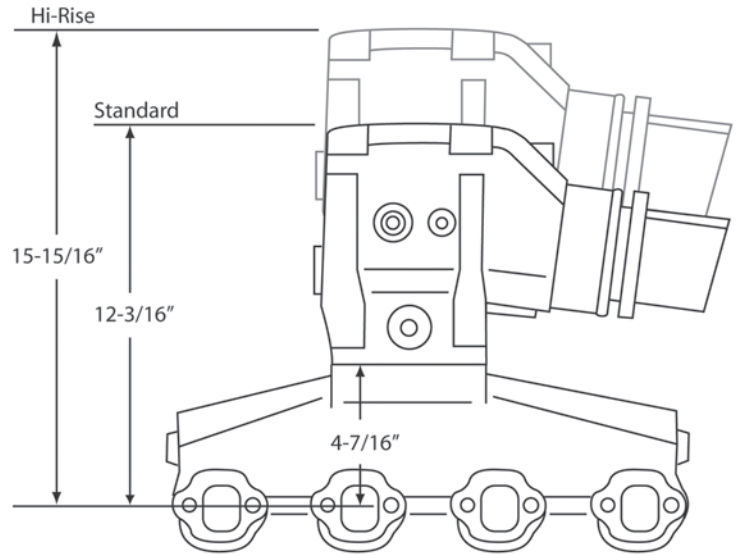
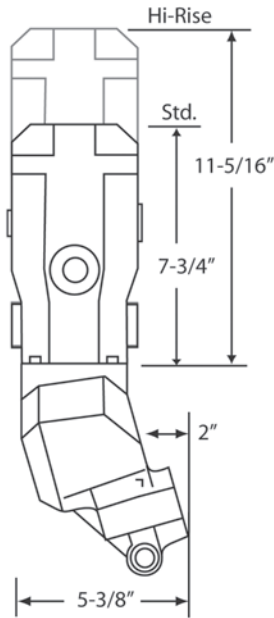
Hi-Rise 11.3"

OEM: 3862627

No. 51490

EXHAUST MANIFOLD

OEM: 3852347



V8 S.B. (1991 & Up)

No. 51332

EXHAUST ELBOW

EFI (Port)

OEM: 3855271

No. 51334

EXHAUST ELBOW

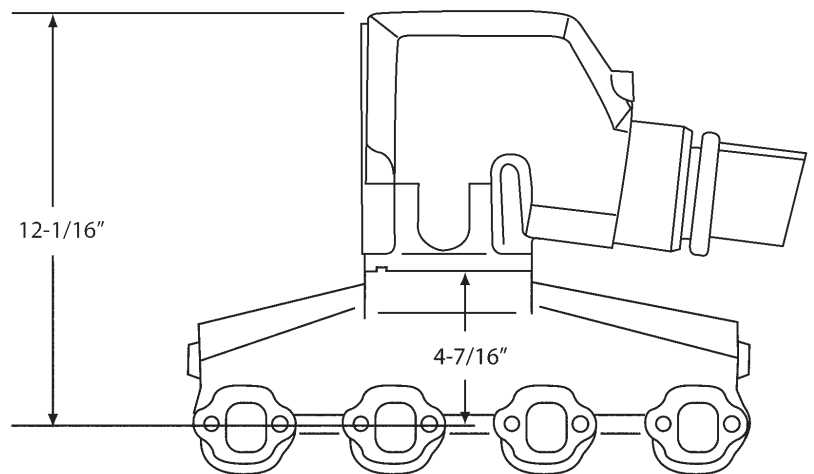
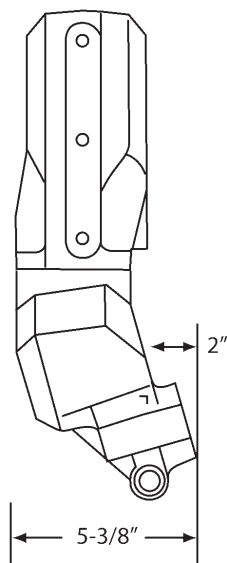
EFI (Starboard)

OEM: 3855269

No. 51490

EXHAUST MANIFOLD

OEM: 3852347



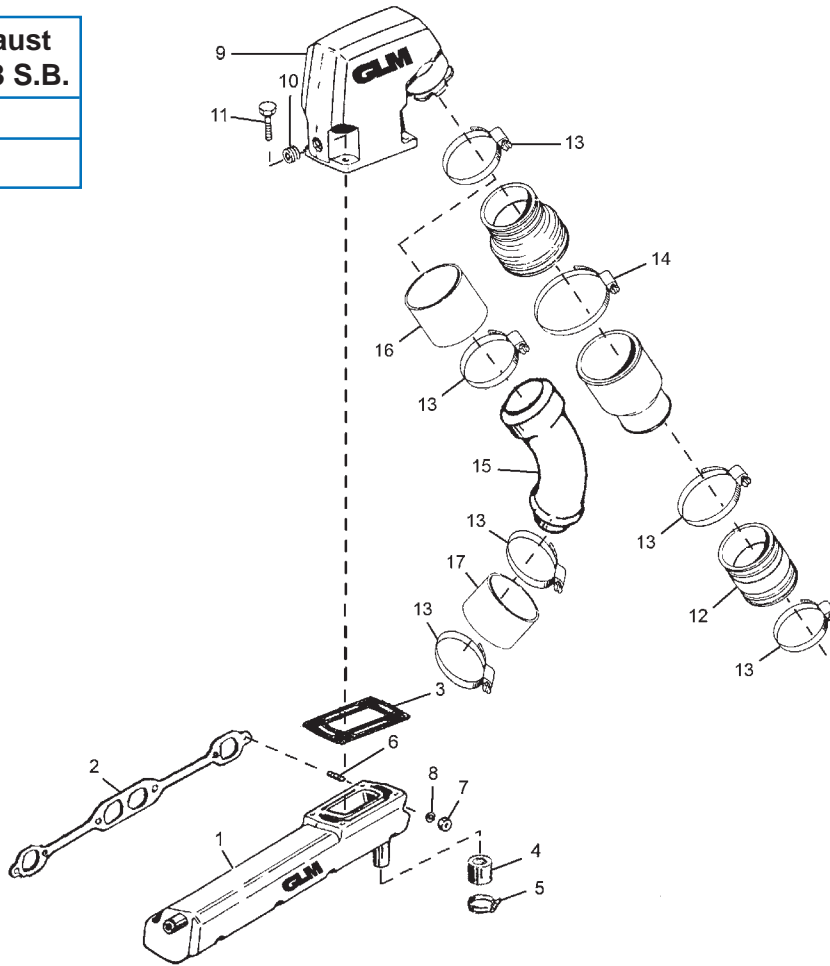
OMC

MODEL 800 SERIES - GM 305/350 CID, V8 S.B. (1979-88)

Complete Exhaust Manifold Kit - V8 S.B.

No. 58410

See Page 79

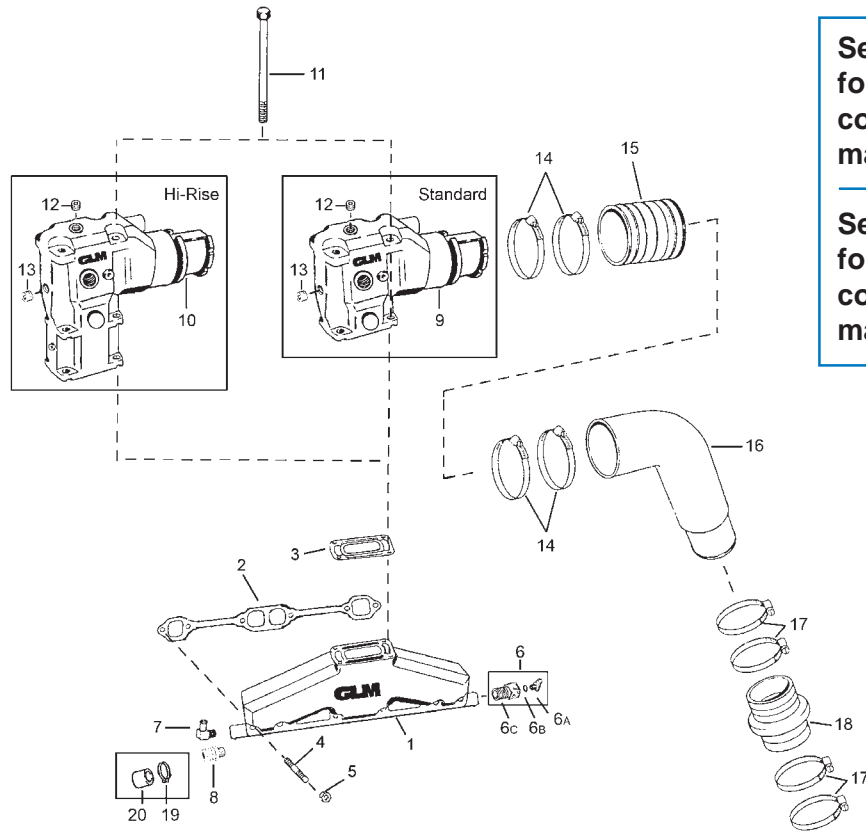


Ref No.	GLM No.	OEM No.	Description	Qty.
1	51410	912441	Exhaust Manifold Assembly - STBD	1
1	51420	912442	Exhaust Manifold Assembly - PORT	1
2*	31100	3852468	Gasket - Exhaust Manifold	1
3*	33810	909786	Gasket - Exhaust Elbow	1
4	22280	764799	Cap	1
5	21791	3853786	Clamp	1
6	22487	3852467	Stud	6
7	21248	3853404	Nut	6
8	21493	309336	Lockwasher	6
9	51320	909863	Exhaust Elbow Assembly	1
10	21896	315713	Plug	1
11	21753	3853397	Screw	4
12	89230	3852742	Exhaust Hose (Cobra)	1
13	01090	3852604	Clamp	3&4
14	01200	984387	Clamp	1
15	50730	909609	Elbow Tube - STBD (Stringer Mount)	1
15	50740	909610	Elbow Tube - PORT (Stringer Mount)	1
16	89221	909232	Exhaust Hose	1
17	89223	909371	Exhaust Hose	1
* Included with Manifolds No. 51410 & 51420				



OMC

MODEL 5.0L/5.7L - GM 305/350 CID, V8 S.B. (1989 & UP)



See page 79
for "Standard"
complete V8
manifold kit.

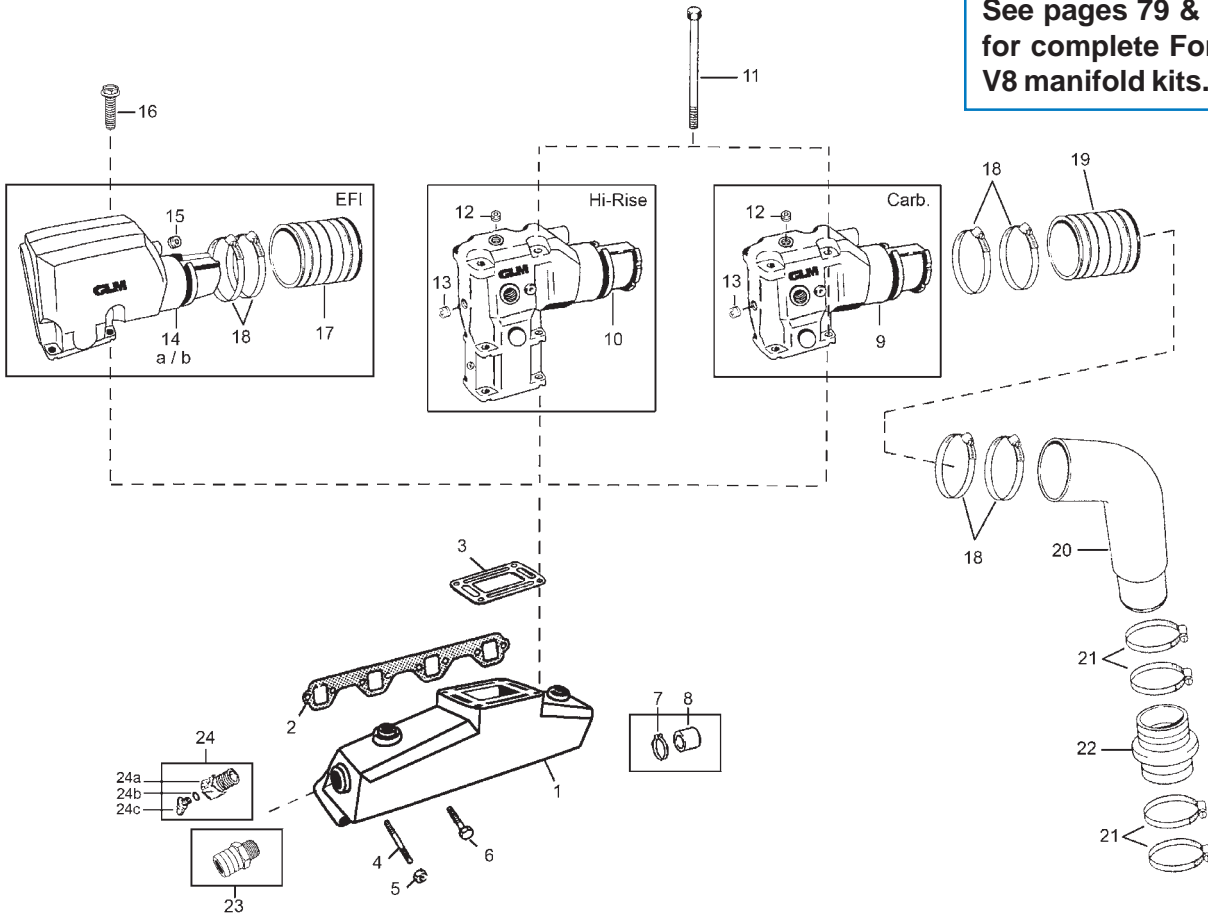
See page 80
for "Hi-Rise"
complete V8
manifold kits.

Ref No.	GLM No.	OEM No.	Description	Qty.
1	51430	3857723	Exhaust Manifold Assembly	1
2*	31100	3852468	Gasket - Exhaust Manifold	1
3*	33810	909786	Gasket - Exhaust Elbow	1
4	22487	3852467	Stud	6
5	21248	3853404	Locknut	6
6*	13982	-	Straight Fitting Kit	1
6A*	13992	-	Drain Plug Kit	1
6B*	81110	303347	O-Ring	1
6C*	13983	-	Reducer	1
7*	13970	3852538	Elbow Fitting	1
8*	13985	-	Straight Fitting	1
9	51330	3857944	Standard Exhaust Elbow Assembly (7.8" Height)	1
10	51337	3862627	Hi-Rise, Single-Piece Exhaust Elbow Assembly (11.3" Height)	1
11	22398	3852830	Screw	4
12	22379	3850740	Plug	1
13	21896	315713	Plug	1
14	01100	3853860	Clamp	4
15	89224	3852696	Exhaust Hose	1
16	50780	763891	Exhaust Tube	1
17	01090	3852604	Clamp	4
18	89222	3852741	Exhaust Hose	1
19	01071	912627	Clamp #10 (For Manifold Cap)	1
20	22290	3852476	Manifold Cap	1

* Included with Manifold No. 51430

MODEL 5.0/5.8L/5.8 & 351 KING EFI - V8 S.B., FORD 302/351 CID (1991 & UP)

See pages 79 & 80 for complete Ford V8 manifold kits.

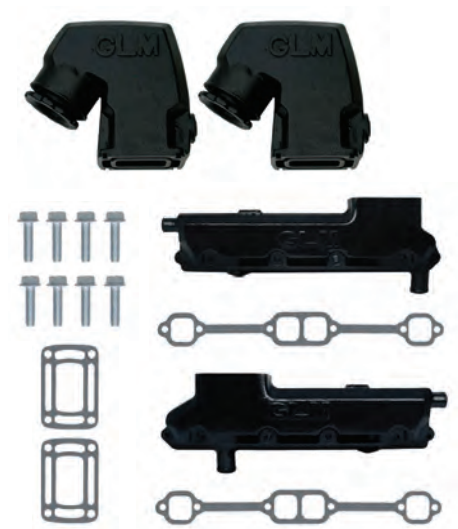
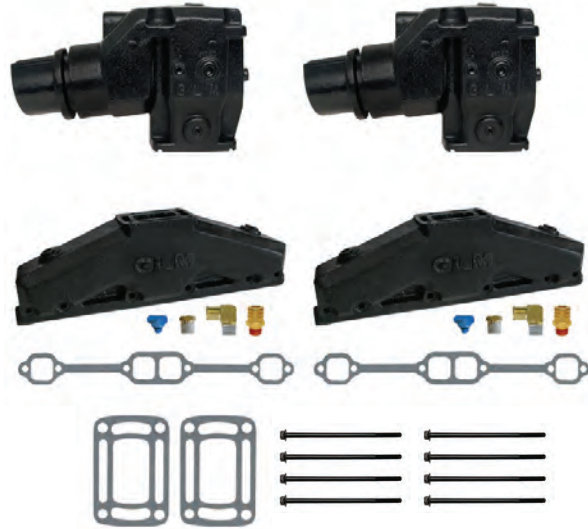




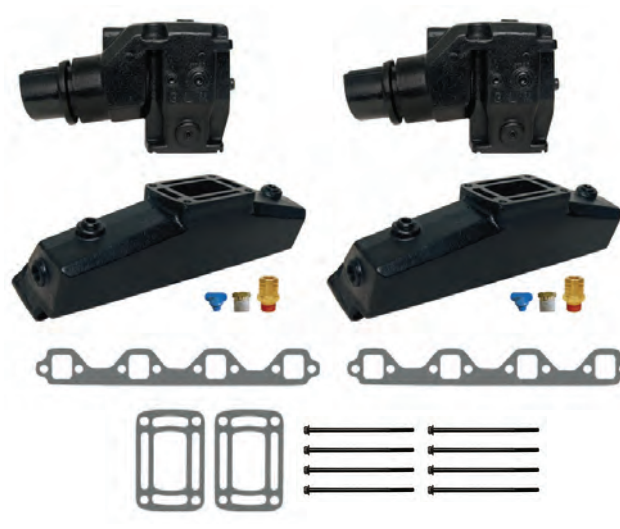







Ref No.	GLM No.	OEM No.	Description	Qty.	Ref No.	GLM No.	OEM No.	Description	Qty.
1	51490	3852347	Exhaust Manifold Assembly	1	17	89229	3853608	Exhaust Hose (1993-96 EFI)	1
2*	33790	3852455	Gasket - Exhaust Manifold	1	18	01100	3853860	Clamp	4
3*	33810	909786	Gasket - Exhaust Elbow	1	19	89224	3852696	Exhaust Hose (1998-96 Carb.)	1
4	22486	3853434	Stud	5	20	50700	3853386	Exhaust Tube (5.8L)	1
5	21248	3853404	Nut	5	20	50800	3853384	Exhaust Tube (5.0L)	1
6	21755	3853155	Screw	3	21	01090	3852604	Clamp	4
7	01071	912627	Clamp (For OEM Design)	1	22	89222	3852741	Exhaust Hose	1
8	22290	3852476	Cap (For OEM Design)	1	23*	13985	N/A	Straight Fitting	1
9	51330	3857944	Ex. Elbow Assy (7.8")('88-96 Carb.)	1	24*	13982	N/A	Straight Fitting Kit	1
10	51337	3862627	Hi-Rise Ex. Elbow Assy (11.3"H)	1	24a*	13983	-	Reducer	1
11	22398	3852830	Screw (Carb.)	4	24b*	81110	303347	O-Ring	1
12	22379	3850740	Plug (Carb)	1	24c*	13992	-	Drain Plug Kit	1
13	21896	315713	Plug (Carb)	1					
14a.	51332	3855271	Ex. Elbow Assy. - PORT ('93-96 EFI)	1					
14b.	51334	3855269	Ex. Elbow Assy. - STBD ('93-96 EFI)	1					
15	21889	-	Plug (EFI)	1					
16	21755	3853326	Screw (EFI)	4					

* Included with Manifold No. 51490

OMC

COMPLETE EXHAUST MANIFOLD KITS - V8 S.B.

GM V8 S.B., 305/350 CID (1979-89)	GM V8 S.B., 305/350 CID (1990 & Up)
<p>No. 58410 No. 51320 Elbows OEM: N/A No. 51410 Manifold - Stbd No. 51420 Manifold - Port</p>  <p>No. 22280 Cap & No. 21791 Clamp NOT included in Kit No. 58410</p>	<p>No. 58430 No. 51330 Elbows OEM: N/A No. 51430 Manifolds</p>  <p>No. 22290 Cap & No. 01071 Clamp NOT included in Kit No. 58430</p>
<p>No. 22280 MANIFOLD CAP OEM: 764799</p>  <p>No. 21791 CAP CLAMP #20 OEM: 3853786</p> 	<p>7.8"</p> <p>No. 22290 MANIFOLD CAP OEM: 3852476</p>  <p>No. 01071 CAP CLAMP #10 OEM: 912627</p> 
FORD V8 S.B., 302/351 CID (Carb. Engine)	FORD V8 S.B., 302/351 CID (EFI Engine)
<p>No. 58490 No. 51330 Elbows OEM: N/A No. 51490 Manifolds</p>  <p>No. 22290 Cap & No. 01071 Clamp NOT included in Kit No. 58490</p>	<p>No. 58491 No. 51332 Elbow - Port OEM: N/A No. 51334 Elbow - Stbd</p>  <p>No. 22290 Cap & No. 01071 Clamp NOT included in Kit No. 58491</p>
<p>7.8"</p> <p>No. 22290 MANIFOLD CAP OEM: 3852476</p>  <p>No. 01071 CAP CLAMP #10 OEM: 912627</p> 	<p>No. 22290 MANIFOLD CAP OEM: 3852476</p>  <p>No. 01071 CAP CLAMP #10 OEM: 912627</p> 

OMC

COMPLETE EXHAUST MANIFOLD KITS w/ HI-RISE ELBOWS - V8 S.B.

GM V8 S.B.

No. 58437 | No. 51337 Hi-Rise Elbows
OEM: N/A | No. 51430 Manifolds

No. 22290
MANIFOLD CAP
OEM: 3852476



No. 01071
CAP CLAMP #10
OEM: 912627



No. 22290 Cap &
No. 01071 Clamp
NOT included in
Kit No. 58437



GM V8 S.B. 305 & 350 CID
(1990 & Up)

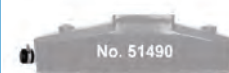
FORD V8 S.B.

No. 58492 | No. 51337 Hi-Rise Elbows
OEM: N/A | No. 51490 Manifolds

No. 22290
MANIFOLD CAP
OEM: 3852476



No. 01071
CAP CLAMP #10
OEM: 912627



No. 22290 Cap &
No. 01071 Clamp
NOT included in
Kit No. 58492



FORD V8 S.B. 302 & 351 CID
(Carb. Engine)



OMC

EXHAUST MANIFOLDS, STANDARD & HI-RISE ELBOWS - V8 S.B.

GM V8 S.B.	GM / FORD V8 S.B. - Standard	GM / FORD V8 S.B. - Hi-Rise
<p>No. 51320 EXHAUST ELBOW OEM: 909863</p> 	<p>No. 51330 EXHAUST ELBOW V8 S.B. Standard 7.8" OEM: 3857944</p>  <p>7.8"</p>	<p>No. 51337 EXHAUST ELBOW V8 S.B. Hi-Rise 11.3" OEM: 3862627</p>  <p>11.3"</p>
FORD V8 S.B. - EFI		
<p>No. 51332 EXHAUST ELBOW - PORT OEM: 3855271</p> 	<p>No. 51334 EXHAUST ELBOW - STARBOARD OEM: 3855269</p> 	
GM V8 S.B.		
<p>No. 51420 EXHAUST MANIFOLD - PORT OEM: 912442</p> 	<p>No. 22280 MANIFOLD CAP OEM: 764799</p>  <p>No. 21791 CAP CLAMP #20 OEM: 3853786</p>  <p>For Manifolds No. 51420 & No. 51410</p>	<p>No. 51410 EXHAUST MANIFOLD - STARBOARD OEM: 912441</p> 
GM V8 S.B.	GM & FORD V8 S.B.	FORD V8 S.B.
<p>No. 51430 EXHAUST MANIFOLD OEM: 3857723</p> 	<p>No. 22290 MANIFOLD CAP OEM: 3852476</p>  <p>No. 01071 CAP CLAMP #10 OEM: 912627</p>  <p>For Manifolds No. 51430 & No. 51490</p>	<p>No. 51490 EXHAUST MANIFOLD OEM: 3852347</p> 

OMC

COMPLETE EXHAUST MANIFOLD CONVERSION KITS - FORD V8 S.B.

V8 Small Block, 5.0L/5.8L, FORD 302/351 CID (1991 & Up)

The "Log Style" Manifolds were used between 1977-1990 and are not as efficient as the Center Rise Manifolds.

GLM's Conversion Kits **No. 58498 & 58497** with Two-Piece Center Rise Manifolds Replaces the "Log Style" Manifolds.



GLM's Center-Rise Manifolds Replace OEM Manifolds No.'s 0909215, 0913682, 0909216 and 0913683.

No. 58497

OEM: N/A
For 5.8L**

No. 58498

OEM: N/A
For 5.0L*

Log Style Manifolds to
Center Rise Manifolds

Kit Contains:

GLM	OEM	ITEM
51330 (2)	3857944	Elbows
51490 (2)	3852347	Manifolds
50700 (2)**	3853386	Exhaust Tube 5.8L
50800 (2)*	3853384	Exhaust Tube 5.0L
89222 (2)	3863450	Exhaust Hose
89224 (2)	3852696	Exhaust Hose
01100 (8)	3853860	Hose Clamps
01090 (8)	3852604	Hose Clamps
33790 (2)	3852455	Manifold Gaskets
33810 (2)	909786	Elbow Gaskets
13982 (2)	N/A	Straight Fitting Kit

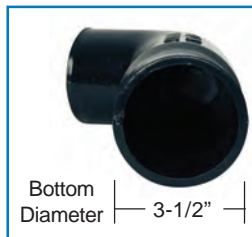
Plus All Hardware Needed!



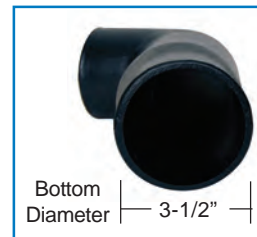
When installing Manifold Conversion Kits No. 58497 & No. 58498, **Re-Use the Original Y-Pipe.**



GLM No. 58497 "Two-Piece" Center Rise Manifold Conversion Kit Assembled.



Exhaust Tube No. 50800 for 5.0L, included in GLM Kit No. 58498



Exhaust Tube No. 50700 for 5.8L, included in GLM Kit No. 58497

OMC

V8 B.B. EXHAUST MANIFOLD DIMENSIONS

V8 B.B. (1991 & Up)

No. 51330

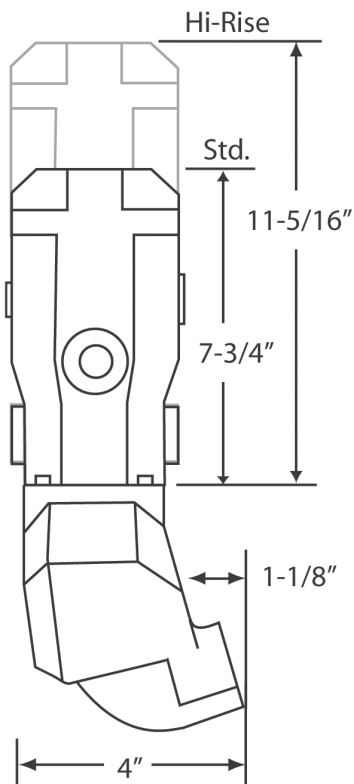
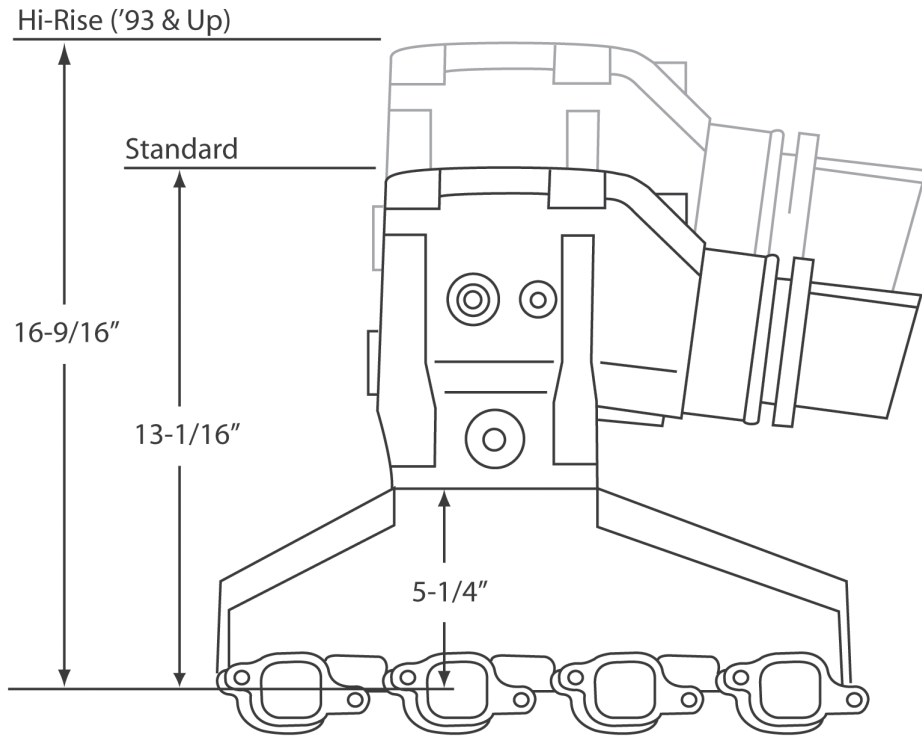
EXHAUST ELBOW
Standard 7.8"
OEM: 3857944

No. 51337

EXHAUST ELBOW
Hi-Rise 11.3"
OEM: 3862627

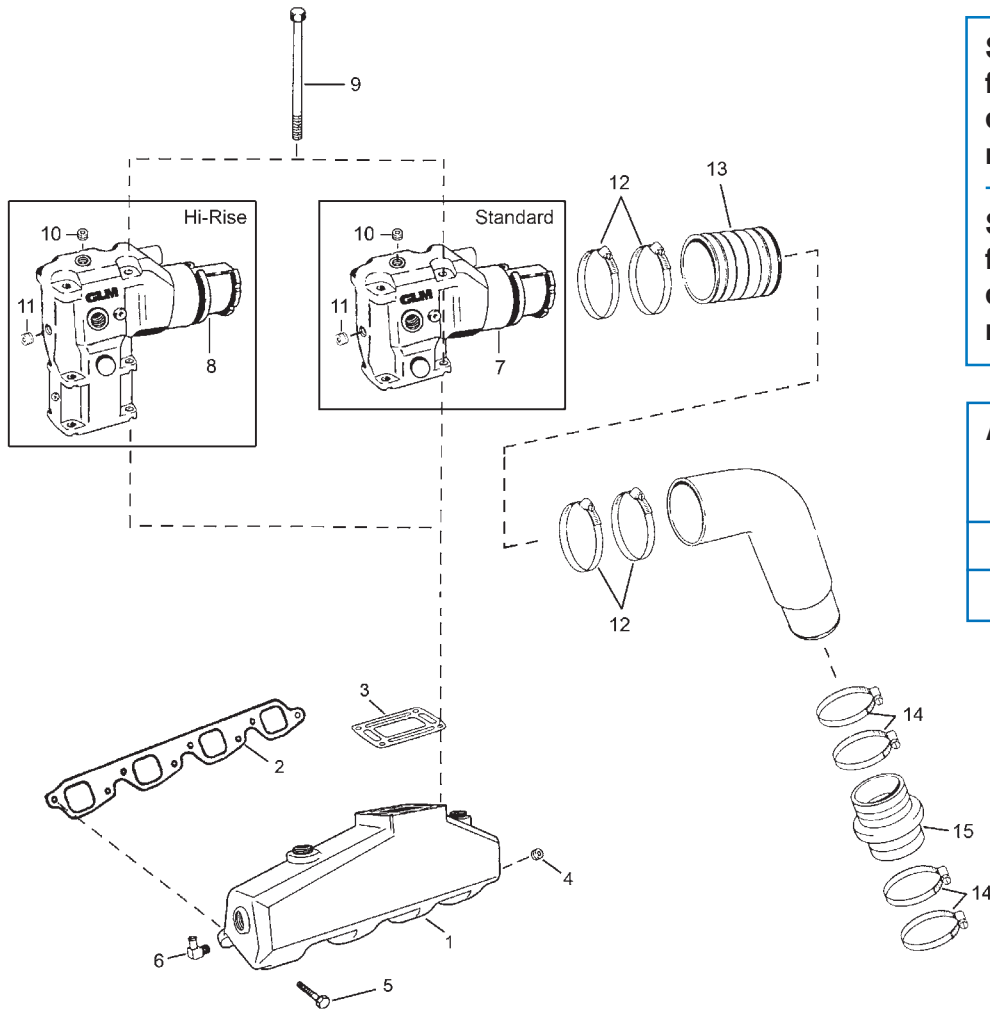
No. 51500

EXHAUST MANIFOL
OEM: 3861459



OMC

MODEL 7.4/8.2L - V8 B.B., GM 454/502 CID (1991 & UP)



See page 85
for "Standard"
complete V8
manifold kit.

See page 85
for "Hi-Rise"
complete V8
manifold kits.

Adapter Plate Kit
460 Ford to
GM 454

No. 53040

See Page 86

16

Ref No.	GLM No.	OEM No.	Description	Qty.
1	51500	3861459	Exhaust Manifold	1
2*	33760	3852472	Gasket - Exhaust Manifold	1
3*	33810	909786	Gasket - Exhaust Elbow	1
4*	21874	-	Plug	1
5	21755	3853326	Screw 3/8 - 16 x 1 1/4 Flange	8
6*	13960	3807044	Elbow Fitting 90° (3/4" x 1")	1
7	51330	3857944	Standard Exhaust Elbow Assembly (7.8" Height)	1
8	51337	3862627	Hi-Rise Single-Piece Exhaust Elbow Assembly (11.3" Height)	1
9	22398	3852830	Screw	4
10	22379	3850740	Plug	1
11	21896	315713	Plug	1
12	01100	3853860	Clamp	4
13	89224	3852696	Exhaust Hose	1
14	01090	3852604	Clamp	4
15	89222	3852741	Exhaust Hose	1
16	53040	N/A	Manifold Adapter Plate Kit for Ford 460 to GM 454	1
* Included with Manifold No. 51500				

OMC

COMPLETE EXHAUST MANIFOLD KITS - V8 B.B.

GM V8 B.B.

No. 58500

OEM: N/A

No. 51330 Elbows

No. 51500 Manifolds



7.8"

GM V8 B.B. 454 & 502 CID (1991 & Up)

COMPLETE EXHAUST MANIFOLD KITS w/ HI-RISE ELBOWS - V8 B.B.

GM V8 B.B.

No. 58507

OEM: N/A

No. 51337 Hi-Rise Elbows

No. 51500 Manifolds



11.3"

GM V8 454/502 CID (1991 & Up)

EXHAUST MANIFOLD, STANDARD & HI-RISE ELBOW - V8 B.B.

Standard

No. 51330

EXHAUST ELBOW

V6 Standard 7.8"

OEM: 3857944



7.8"

GM V8 B.B

No. 51500

EXHAUST MANIFOLD - V8 B.B.

OEM: 3861459



Hi-Rise

No. 51337

EXHAUST ELBOW

V6 Hi-Rise 11.3"

OEM: 3862627



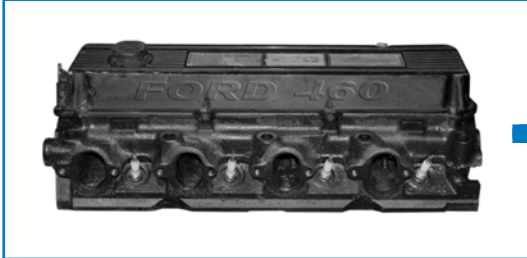
11.3"

OMC

COMPLETE MANIFOLD KIT W/ 460 ADAPTER PLATES - V8 B.B.

V8 Big Block, Ford 460 to GM 454 Manifold

Use your GM Big Block Exhaust Manifolds on your Ford 460 Engine.



GLM's Manifold Kit No. 58930 with "Two-Piece" Manifolds Can Be Used to Convert the Ford 460 Engine to GM 454.



No. 58930

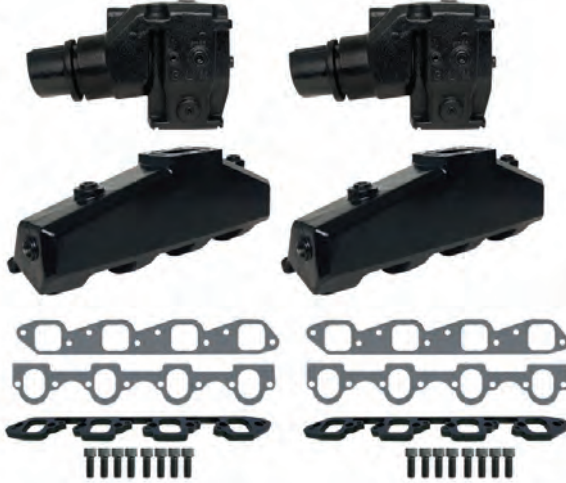
OEM: N/A

Ford 460 to
GM 454 Manifold

Kit Contains:

GLM	OEM	ITEM
51330 (2)	3857944	Elbow
33810 (2)	909786	Elbow Gasket
51500 (2)	3861459	Manifold
50045	N/A	Adapter Plates
31710* (2)	912405	Gasket - Ford Block to Adapter Plate
33760 (2)	3852472	Gasket - Adapter Plate to GM Manifold
22345 (16)	N/A	Screw
21493 (8)	3852002	Lockwasher
21675 (8)	3852058	Washer
22398 (8)	3852830	Screw
21755 (16)	3853326	Screw

* Not Sold Separately



No. 53040

OEM: N/A

MANIFOLD 460
ADAPTER PLATE KIT

Ford 460 to
GM 454 Manifold



GLM No. 58930 Ford 460 to GM 454 Complete Manifold Kit w/ 460 Adapter Plates Assembled.

No. 50045

OEM: N/A
460 ADAPTER
PLATES

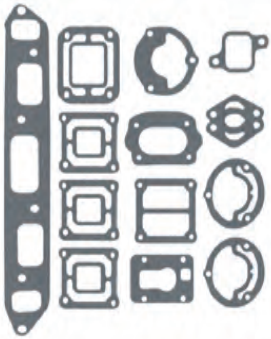


Use your Chevy Big Block Exhaust Manifolds on your Ford 460 Engine!

EXHAUST MANIFOLD GASKET & HARDWARE KITS

No. 39780

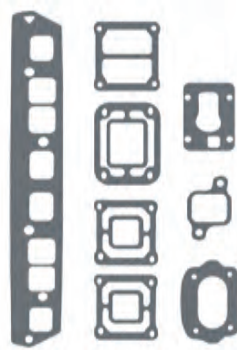
W/OUT HARDWARE



GM 2.5L 153 CID
(1965-1985)

No. 39790

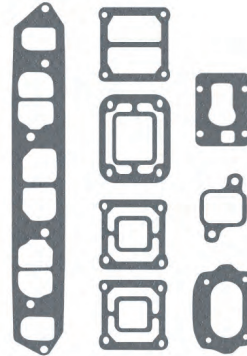
W/OUT HARDWARE



GM 3.0L 140 HP
(1973-1986)

No. 39770

W/OUT HARDWARE



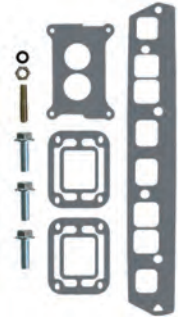
GM 2.5L/3.0L
(1985-1988)

No. 53772

W/HARDWARE

No. 39771

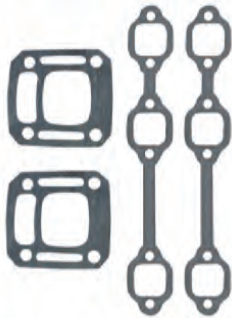
W/OUT HARDWARE



GM 3.0L 181 CID
(1991 & Up)

No. 39772

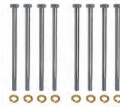
W/OUT HARDWARE



GM V6 3.8L 229 CID
(1981-1986)

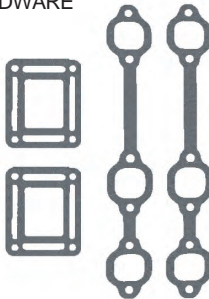
No. 53773

W/HARDWARE



No. 39773

W/OUT
HARDWARE



GM V6 4.3L 262 CID
(1991 & Up)

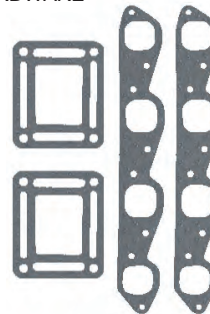
No. 53940

W/HARDWARE



No. 39940

W/OUT
HARDWARE



GM V8 454/502 CID

No. 50045

ADAPTER PLATES



Ford 460 to GM 454 Manifold

No. 53910

W/HARDWARE

For 53910 - Log Style



No. 53911

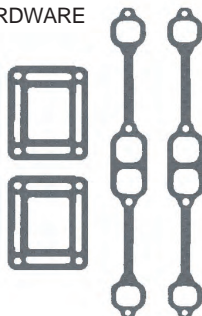
W/HARDWARE

For 53911 - Center Rise



No. 39910

W/OUT HARDWARE



GM V8 Small Block

No. 53920

W/HARDWARE

For 53920 - Carb.



No. 53921

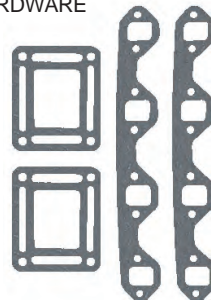
W/HARDWARE

For 53921 - Fuel Injection



No. 39920

W/OUT HARDWARE



FORD V8 302/351 CID

No. 53040

MANIFOLD ADAPTER
PLATE KIT



Ford 460 to GM 454

OMC

CAPS & CLAMPS		EXHAUST FLAPPER VALVES	
<p>No. 22280 MANIFOLD CAP OEM: 764799</p> 	<p>No. 22290 MANIFOLD CAP OEM: 3852476</p> 	<p>No. 89240 3 INCH OEM: 34765A1 (with Clamps)</p>  <p>3 Inch</p>	<p>No. 89260 5 & 6 INCH OEM: N/A (with Clamps)</p>  <p>5 & 6 Inch</p>
<p>No. 21791 CAP CLAMP #20 OEM: 3853786</p> 	<p>No. 01071 CAP CLAMP #10 OEM: 912627</p> 	<p>No. 89250 4 INCH OEM: 12644A1 (with Clamps)</p>  <p>4 Inch</p>	
<p>No. 51410</p> 	<p>No. 51430</p> 		
<p>No. 51420</p>  <p>For No. 51410 & No. 51420</p>	<p>No. 51490</p>  <p>For No. 51430 & No. 51490</p>		
EXHAUST BELLOWS / HOSES			
<p>No. 89221 EXHAUST HOSE - UPPER OEM: 909232</p>  <p>175-235 HP (1977-86)</p>	<p>No. 89222 EXHAUST HOSE - LOWER OEM: 3852741</p>  <p>2.5 (1986), 3.0 (1986-91) 2.3 (1989-90), 4.3 (1990-91) 5.0/5.8 Ford (1991), 5.7 (early 1986)</p>	<p>No. 89223 EXHAUST HOSE - LOWER OEM: 909371</p>  <p>175-235 HP (1977-86)</p>	<p>SUS 316 Hose Clamps</p> <p>No. 01090 OEM: 3852604 Size: US #64 For Bellows: 89221, 89222, 89223, 89230</p> 
<p>No. 89224 EXHAUST HOSE - UPPER OEM: 3852696</p>  <p>4.3 (1991), 5.0/5.8 Ford (1991) 7.5 460 (1988-89), 5.7LE (1990-91), All Cone Clutch (1990-91)</p>	<p>No. 89229 EXHAUST HOSE OEM: 3853608</p>  <p>5.0/5.8 EFI (1993-96)</p>	<p>No. 89230 EXHAUST HOSE - LOWER OEM: 3852742</p>  <p>2.3 (1987-88), 4.3 (1987), 5.0/5.8 Ford (1989-90), 5.7 (late 1986), 5.7 (1987-91), ALL Cone Clutch (1990-91), 350/454/454HO/460 King, 5.7 LE (1990-91)</p>	<p>No. 01100 OEM: 3853860 Size: US #72 For Bellows: 89224, 89229</p> 
			<p>No. 01200 OEM: 984387 Size: US #80</p> 

Section 4

Volvo Penta Exploded Views, Gaskets & Components

<i>4-Cylinder - 181 CID (1993 & Up)</i>	90
<i>V6 Exhaust Manifold Dimensions</i>	91
<i>V6 - AQ 175-434 (1993 & Before)</i>	92
<i>V6 - 262 CID (1993 & Up)</i>	93
<i>Complete Exhaust Manifold Kit, Manifold & Elbow - 4-Cyl.</i>	94
<i>Complete Exhaust Manifold Kits - V6</i>	94
<i>Exhaust Manifolds & Elbows - V6</i>	94-95
<i>Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V6</i>	95
<i>Exhaust Manifold & Hi-Rise Elbows - V6</i>	95
<i>V8 S.B. Exhaust Manifold Dimensions - GM</i>	96
<i>V8 S.B. Exhaust Manifold Dimensions - FORD</i>	97
<i>V8 S.B. - 305/350 CID (1993 & Before)</i>	98
<i>V8 S.B. - 305/350 CID (1993 & Up)</i>	99
<i>V8 S.B. - FORD 302/351 CID (1993 & Up)</i>	100
<i>Complete Exhaust Manifold Kits - V8 S.B.</i>	101
<i>Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 S.B.</i>	102
<i>Exhaust Manifolds, Standard & Hi-Rise Elbows - V8 S.B.</i>	103
<i>V8 B.B. Exhaust Manifold Dimensions</i>	104
<i>V8 B.B - 454/502 CID (1993 & Up)</i>	105
<i>Complete Exhaust Manifold Kits - V8 B.B.</i>	106
<i>Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 B.B.</i>	106
<i>Exhaust Manifold, Standard & Hi-Rise Elbows - V8 B.B.</i>	106
<i>Complete Manifold Kit w/ 460 Adapter Plates - V8 B.B.</i>	107
<i>Exhaust Manifold Gasket & Hardware Kits</i>	108
<i>Exhaust Flapper Valves, Bellows/Hoses, Cap & Clamps</i>	109

Volvo Penta

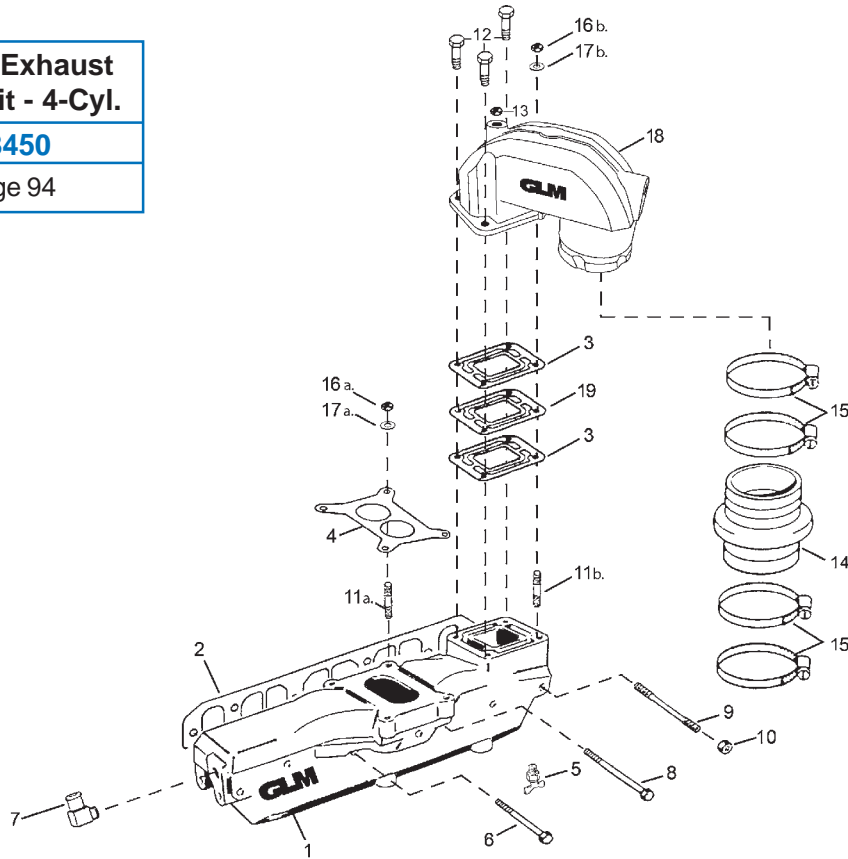
MODEL 3.0GS - 181 CID, 4-CYL. (1993 & UP)

**Complete Exhaust
Manifold Kit - 4-Cyl.**

No. 58450

See Page 94

20



Ref No.	GLM No.	OEM No.	Description	Qty.
1+	51450	3858870	Exhaust Manifold - Cast Iron	1
2*+	33580	3853256	Gasket - Exhaust Manifold	1
3*+	33770	3850495	Gasket - Exhaust Elbow	2
4*+	30382	3853283	Gasket - Carburetor	1
5*+	13993	82745	Drain Cock	1
6	22315	3853430	Screw	3
7*+	13970	3852538	Elbow Fitting - Exhaust Manifold	1
8	21757	3853431	Screw	1
9	22488	3853378	Stud - Exhaust Manifold	2
10	21248	3853404	Locknut	2
11a+	22482	3853373	Stud - Carburetor	4
11b.+	22482	3853373	Stud - Exhaust Manifold	1
12+	21753	3853397	Screw - Exhaust Elbow	3
13	21887	22-36382	Plug	2
14	89222	3852741	Exhaust Hose	1
15	01090	3852604	Clamp	4
16a.+	19354	11-862902	Nut - Carburetor	4
16b.+	19354	11-862902	Nut - Exhaust Manifold	1
17a.+	21664	12-20084	Washer - Carburetor	4
17b.+	21664	12-20084	Washer - Exhaust Manifold	1
18+	51340	3863071	Exhaust Elbow	1
19+	50007	3853628	Restrictor	1
20	58450	-	Manifold Set	1
* Included with No. 51450				
+ Included with No. 58450				

Volvo Penta

V6 EXHAUST MANIFOLD DIMENSIONS

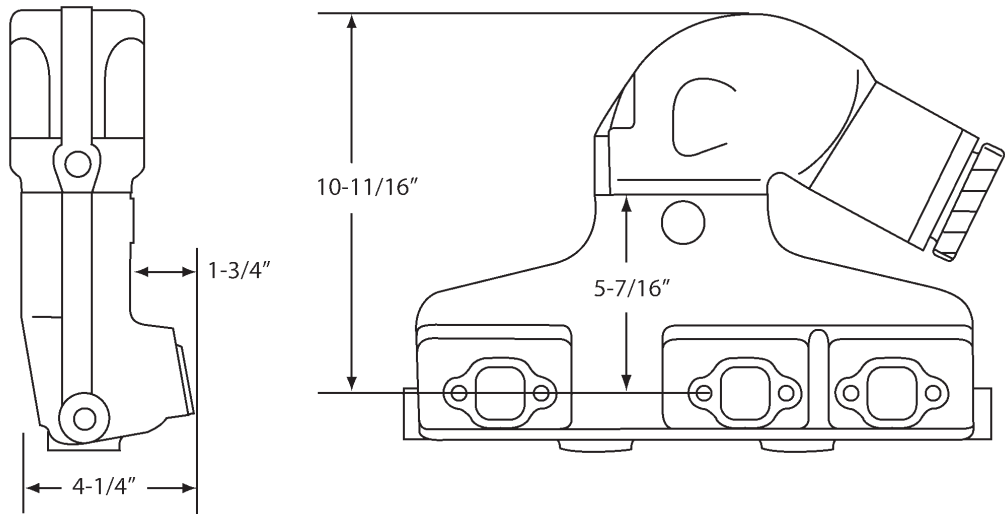
V6 (1993 & Before)

No. 51520

EXHAUST ELBOW
OEM: 857037-6

No. 51640

EXHAUST MANIFOLD
OEM: 856894



V6 (1993 & Up) - V6 (2007 & Up)

No. 51330

EXHAUST ELBOW
Standard 7.8"
OEM: 3857944

No. 51337

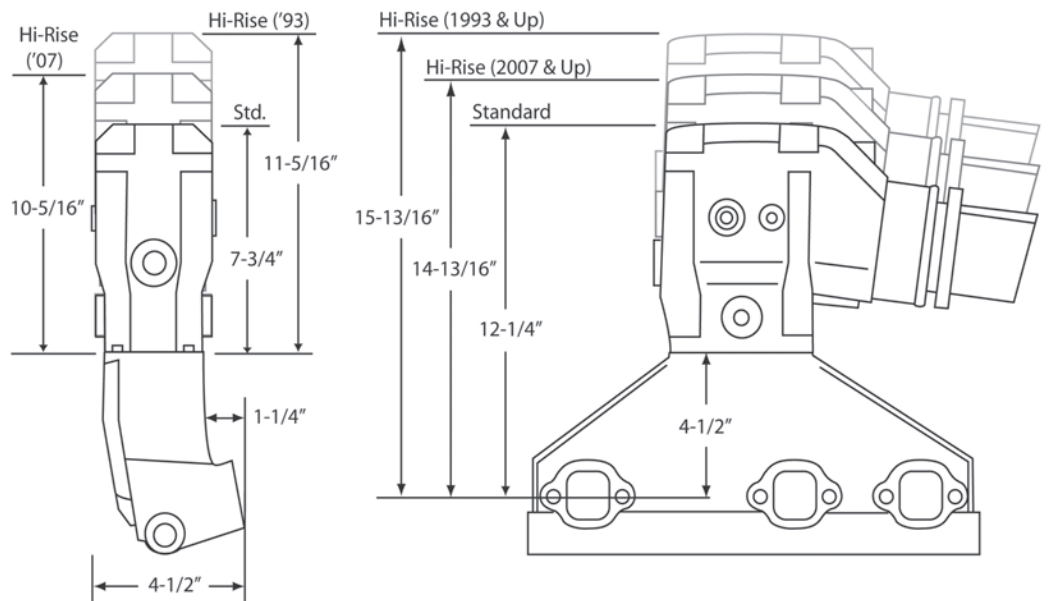
EXHAUST ELBOW
Hi-Rise 11.3" ('93 & Up)
OEM: 3862627

No. 51336

EXHAUST ELBOW
Hi-Rise 10.3" ('07 & Up)
OEM: 3889964

No. 51480

EXHAUST MANIFOLD
OEM: 3857656



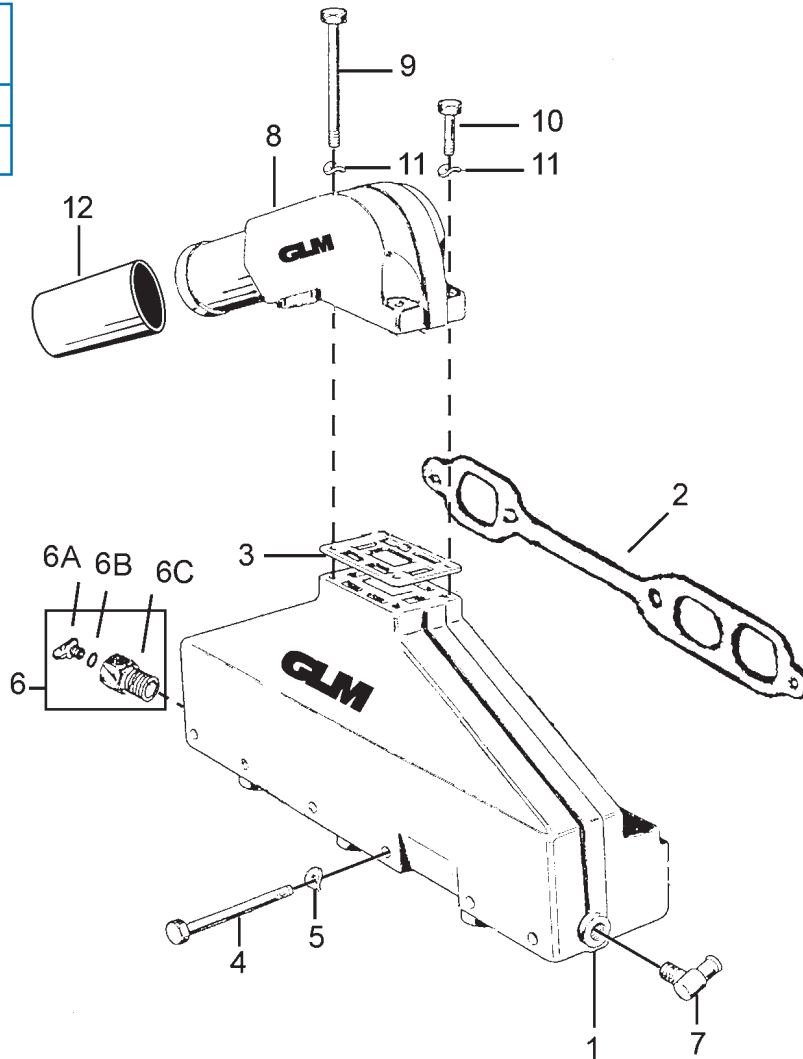
Volvo Penta

MODEL AQ175, AQ205, AQ430A/B, AQ432, AQ434 - GM V6 (1993 & BEFORE)

**Complete Exhaust
Manifold Kit - V6**

No. 58640

See Page 94



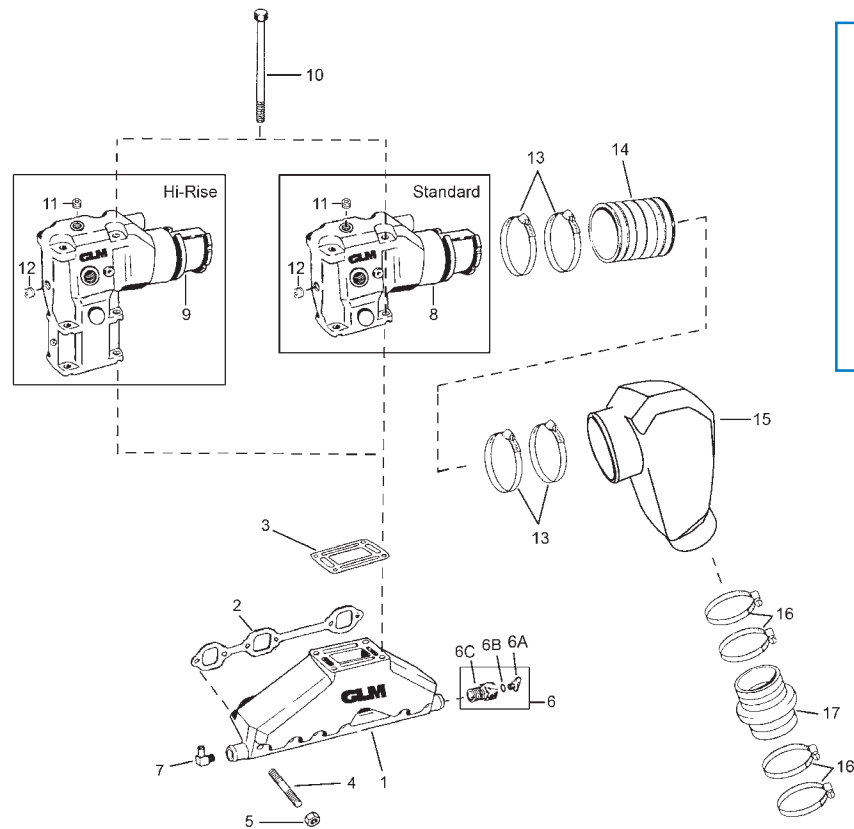
Ref No.	GLM No.	OEM No.	Description	Qty.
1	51640	856894	Exhaust Manifold	1
2*	32170	3853412	Gasket - Exhaust Manifold	1
3*	35080	857618	Gasket - Exhaust Elbow	1
4	22444	942547	Screw (3/8-16x5)	6
5	21726	942336	Washer	6
6*	13982	192154	Straight Fitting Kit	1
6A*	13992	-	Drain Plug Kit	1
6B*	81110	303347	O-Ring	1
6C*	13983	-	Reducer	1
7*	13970	3852538	Hose Fitting	1
8	51520	857037	Exhaust Elbow	1
9	22353	959796	Screw	2
10	22318	940136	Screw	2
11	21725	941907	Washer	4
12	89227	834751	Exhaust Hose - Upper	1
13	58640	N/A	Complete Exhaust Manifold Kit	1

* Included with Manifold 51640



Volvo Penta

MODEL 4.3L - GM 262 CID, V6 (1993 & Up)



See page 94
for "Standard"
complete V6
manifold kit.

See page 95
for "Hi-Rise"
complete V6
manifold kits.

Ref No.	GLM No.	OEM No.	Description	Qty.
1	51480	3847499	Exhaust Manifold Assembly	1
2*	32170	3853412	Gasket - Exhaust Manifold	1
3*	33810	909786	Gasket - Exhaust Elbow	1
4	22487	3852467	Stud	6
5	21248	3853404	Nut	6
6*	13982	-	Straight Fitting	1
6A*	13992	-	Drain Plug Kit	1
6B*	81110	303347	O-Ring	1
6C*	13983	-	Straight Fitting	1
7*	13970	3852538	Elbow Fitting	1
8	51330	3857944	Standard Exhaust Elbow Assembly (7.8" Height)	1
9	51337	3862627	Hi-Rise, Single-Piece Exhaust Elbow Assembly (11.3" Height), (1993 & Up)	1
9	51336	3889964	Hi-Rise, Single-Piece Exhaust Elbow Assembly (10.3" Height), (2007 & Up)	1
10	22398	3852830	Screw	4
11	22379	3850740	Plug	1
12	21896	315713	Plug	1
13	01100	3853860	Clamp	4
14	89224	3852696	Exhaust Hose	1
15	50790	3853372	Exhaust Tube	1
16	01090	3852604	Clamp	4
17	89222	3852741	Exhaust Hose	1

* Included with Manifold No. 51480

Volvo Penta

COMPLETE EXHAUST MANIFOLD KIT, MANIFOLD & ELBOW - 4-CYL.

GM 4-Cylinder, 181 CID (1991 & Up)

No. 58450 | No. 51340 Elbow
OEM: N/A | No. 51450 Manifold

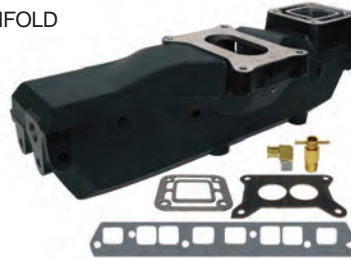


GM 4-Cylinder 181 CID (1991 & Up)

No. 51340
EXHAUST ELBOW
4-CYLINDER
OEM: 3863071



No. 51450
EXHAUST MANIFOLD
4-CYLINDER
OEM: 3858870



COMPLETE EXHAUST MANIFOLD KITS - V6

GM V6, AQ 175-434 (1993 & Before)

GM V6, 4.3L, 262 CID (1993 & Up)

No. 58640 | No. 51520 Elbows
OEM: N/A | No. 51640 Manifolds

No. 58480 | No. 51330 Elbows
OEM: N/A | No. 51480 Manifolds



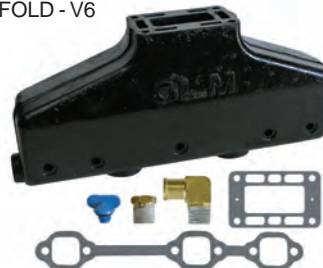
EXHAUST MANIFOLDS & ELBOWS - V6

GM V6, AQ 175-434 (1993 & Before)

No. 51520
EXHAUST ELBOW - V6
OEM: 857037



No. 51640
EXHAUST MANIFOLD - V6
OEM: 856894



Volvo Penta

EXHAUST MANIFOLDS & ELBOWS - V6 CONTINUED...

GM V6, 4.3L, 262 CID (1993 & Up)

No. 51330

EXHAUST ELBOW
V6 Standard 7.8"
OEM: 3863061



No. 51480

EXHAUST MANIFOLD - V6
OEM: 3847499



COMPLETE EXHAUST MANIFOLD KITS w/ HI-RISE ELBOWS - V6

GM V6, 262 CID (1993 & Up)

No. 58487

OEM: N/A

No. 51337 Hi-Rise Elbows
No. 51480 Manifolds



GM V6, 262 CID (2007 & Up)

No. 58486

OEM: N/A

No. 51336 Hi-Rise Elbows
No. 51480 Manifolds



EXHAUST MANIFOLD & HI-RISE ELBOWS - V6

GM V6, 262 CID (1993 & Up)

No. 51337

EXHAUST ELBOW
V6 Hi-Rise 11.3"
OEM: 3862627



GM V6

No. 51480

EXHAUST MANIFOLD - V6
OEM: 3847499



GM V6, 262 CID (2007 & Up)

No. 51336

EXHAUST ELBOW
V6 Hi-Rise 10.3"
OEM: 3889964



Volvo Penta

GM V8 S.B. EXHAUST MANIFOLD DIMENSIONS

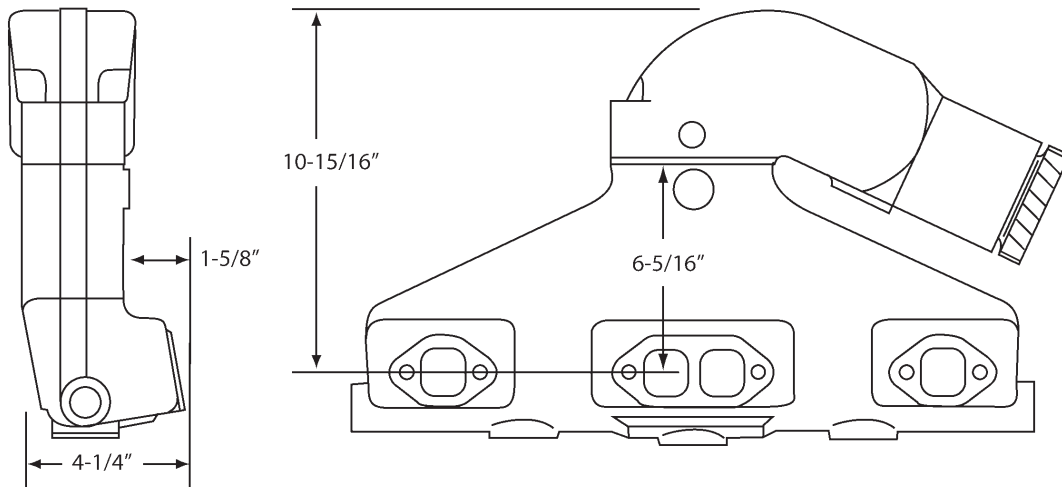
V8 S.B. (1993 & Before)

No. 51510

EXHAUST ELBOW
OEM: 856891

No. 51630

EXHAUST MANIFOLD
OEM: 856883



V8 S.B. (1993 & Up) - V8 S.B. (2007 & Up)

No. 51330

EXHAUST ELBOW
Standard 7.8"
OEM: 3857944

No. 51337

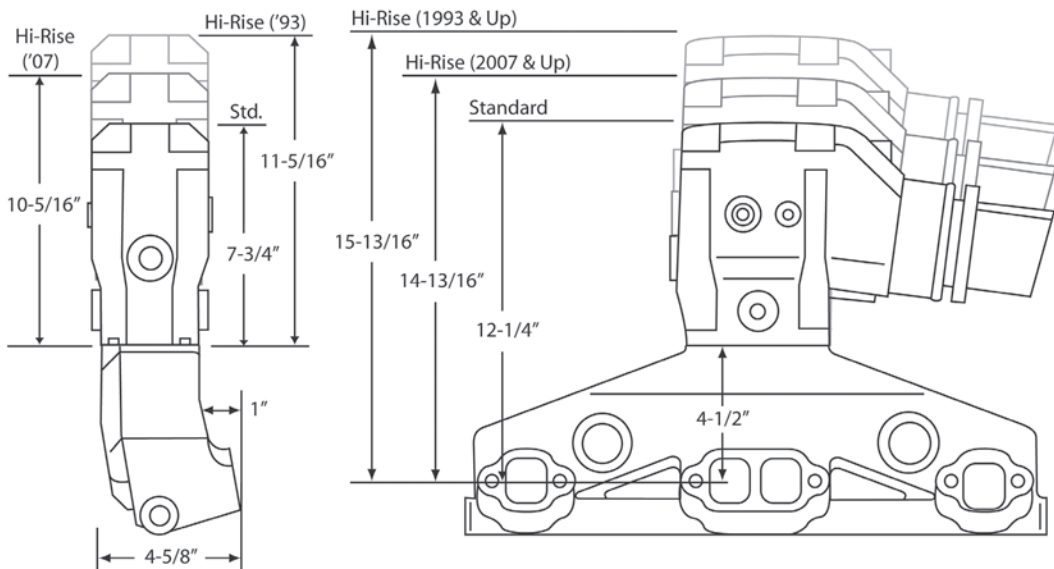
EXHAUST ELBOW
Hi-Rise 11.3" ('93 & Up)
OEM: 3862627

No. 51338

EXHAUST ELBOW
Hi-Rise 10.3" ('07 & Up)
OEM: 3889965

No. 51430

EXHAUST MANIFOLD
OEM: 3857723



Volvo Penta

FORD V8 S.B. EXHAUST MANIFOLD DIMENSIONS

V8 S.B. (1993 & Up) - FORD (Carb.)

No. 51337

EXHAUST ELBOW

Hi-Rise 11.3"

OEM: 3862627

No. 51330

EXHAUST ELBOW

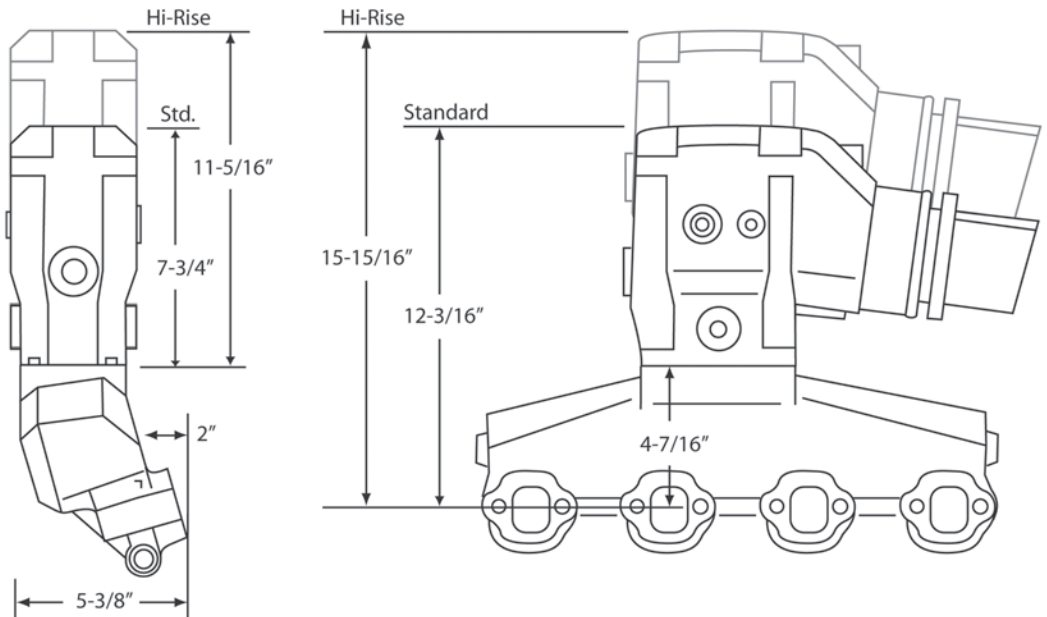
Standard 7.8"

OEM: 3857944

No. 51490

EXHAUST MANIFOLD

OEM: 3852347



V8 S.B. (1993 & Up) - FORD (EFI)

No. 51332

EXHAUST ELBOW - EFI

Port

OEM: 3855271

No. 51334

EXHAUST ELBOW - EFI

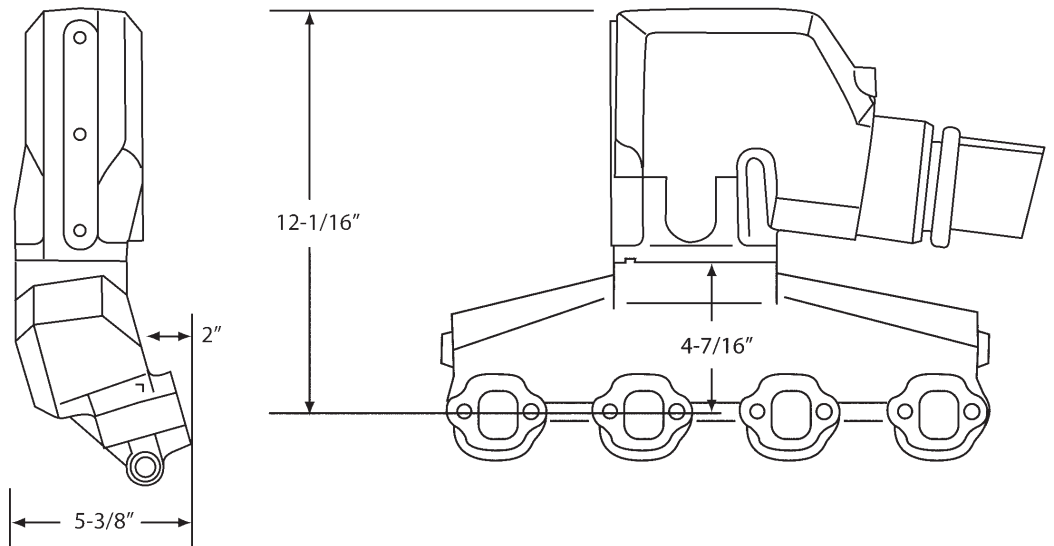
Starboard

OEM: 3855269

No. 51490

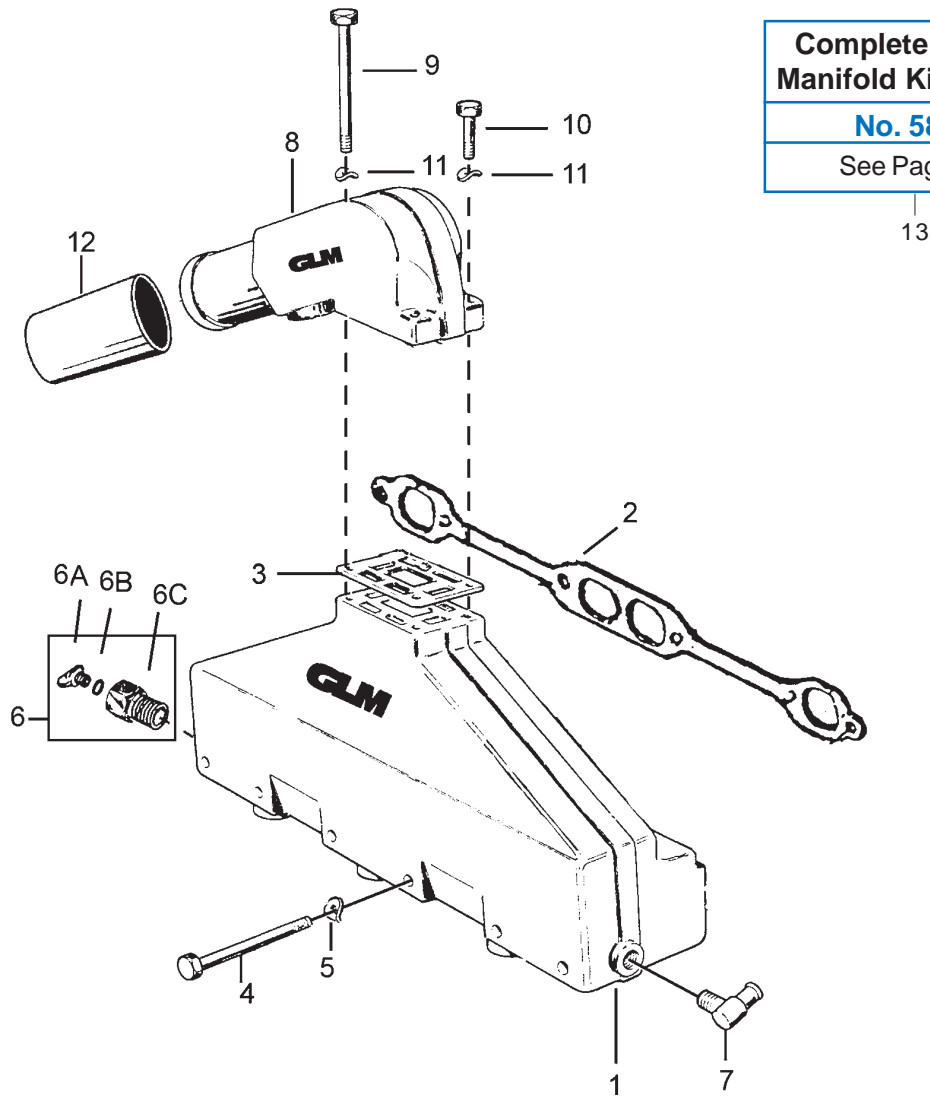
EXHAUST MANIFOLD

OEM: 3852347



Volvo Penta

MODEL 5.0 & 5.7L - GM 305 / 350 CID, V8 S.B. (1993 & Before)



**Complete Exhaust
Manifold Kit - V8 S.B.**

No. 58630

See Page 101

13

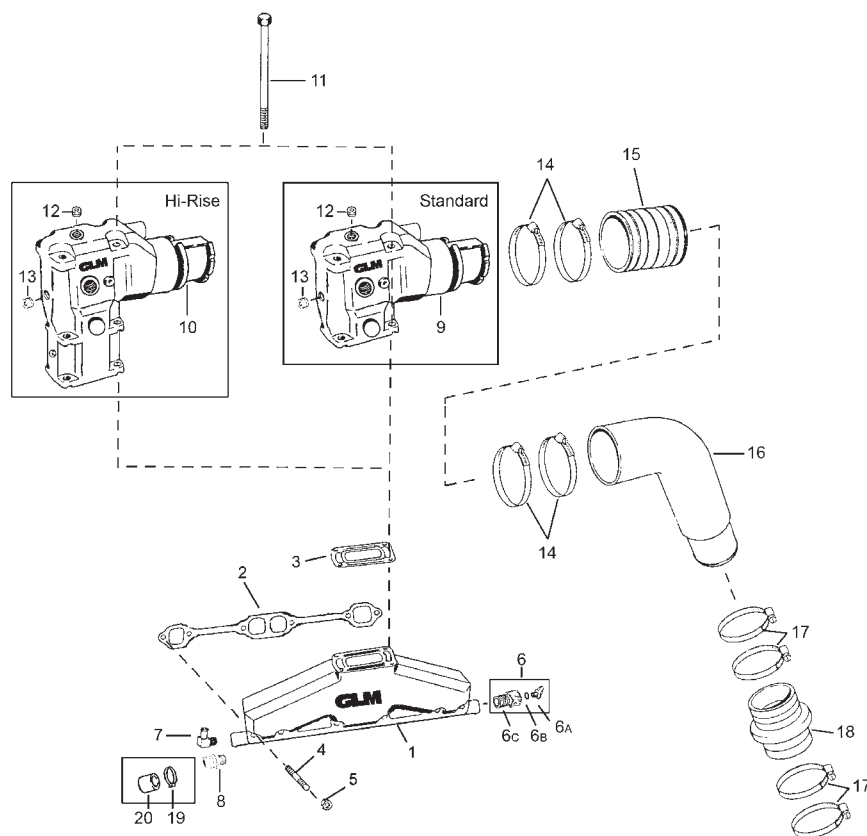
Ref No.	GLM No.	OEM No.	Description	Qty.
1	51630	856883	Exhaust Manifold Assembly	1
2*	31100	3852468	Gasket - Exhaust Manifold	1
3*	35080	857618	Gasket - Exhaust Elbow	1
4	22444	942547	Screw (3/8-16x5)	6
5	21726	942336	Washer	6
6*	13982	-	Straight Fitting Kit	1
6A*	13992	-	Drain Plug Kit	1
6B*	81110	303347	O-Ring	1
6C*	13983	-	Reducer	1
7*	13970	3852538	Hose Fitting	1
8	51510	856891	Exhaust Elbow Assembly	1
9	22317	959794	Screw	2
10	22318	940186	Screw	2
11	21725	941907	Washer	4
12	89227	834751	Exhaust Hose - Upper	1
13	58630	N/A	Complete Exhaust Manifold Kit	1

* Included with Manifold No. 51630



Volvo Penta

MODEL 5.0L/5.7L - GM 305/350 CID, V8 S.B. (1993 & Up)



See page 101
for "Standard"
complete V8
manifold kits.

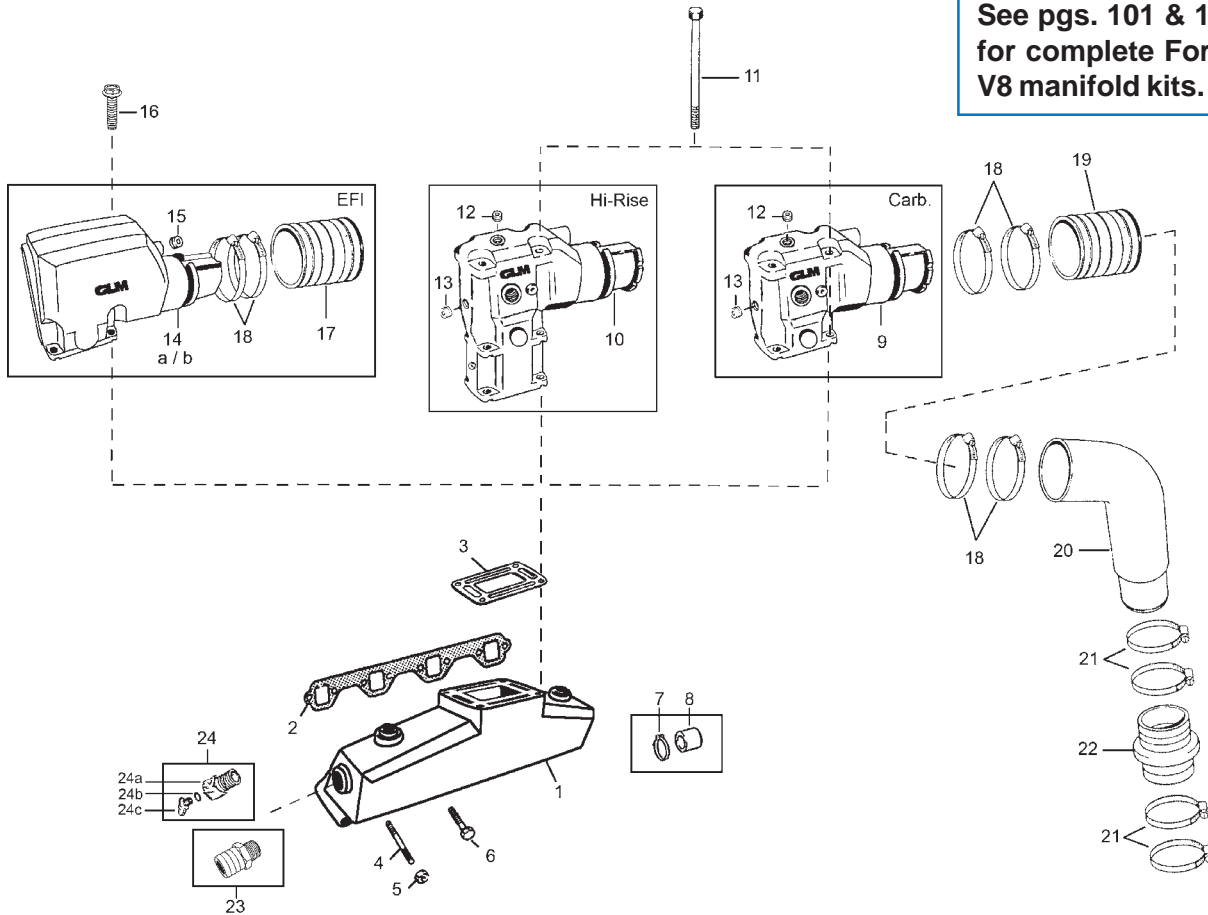
See page 102
for "Hi-Rise"
complete V8
manifold kits.

Ref No.	GLM No.	OEM No.	Description	Qty.
1	51430	3857723	Exhaust Manifold Assembly	1
2*	31100	3852468	Gasket - Exhaust Manifold	1
3*	33810	909786	Gasket - Exhaust Elbow	1
4	22487	3852467	Stud	6
5	21248	3853404	Locknut	6
6*	13982	-	Straight Fitting Kit	1
6A*	13992	-	Drain Plug Kit	1
6B*	81110	303347	O-Ring	1
6C*	13983	-	Reducer	1
7*	13970	3852538	Elbow Fitting	1
8*	13985	-	Straight Fitting	1
9	51330	3857944	Standard Exhaust Elbow Assembly (7.8" Height)	1
10	51337	3862627	Hi-Rise, Single-Piece Exhaust Elbow Assembly (11.3" Height), (1993 & Up)	1
10	51338	3889965	Hi-Rise, Single-Piece Exhaust Elbow Assembly (10.3" Height), (2007 & Up)	1
11	22398	3852830	Screw	4
12	22379	3850740	Plug	1
13	21896	315713	Plug	1
14	01100	3853860	Clamp	4
15	89224	3852696	Exhaust Hose	1
16	50780	763891	Exhaust Tube	1
17	01090	3852604	Clamp	4
18	89222	3852741	Exhaust Hose	1
19	01070	3852602	Clamp #10 (For Manifold Cap)	1
20	22290	3852476	Manifold Cap	1
* Included with Manifold No. 51430				

Volvo Penta

MODEL 5.0/5.8L & Fi/FSi - FORD 302/351 CID V8 S.B. (1993 & Up)

See pgs. 101 & 102
for complete Ford
V8 manifold kits.

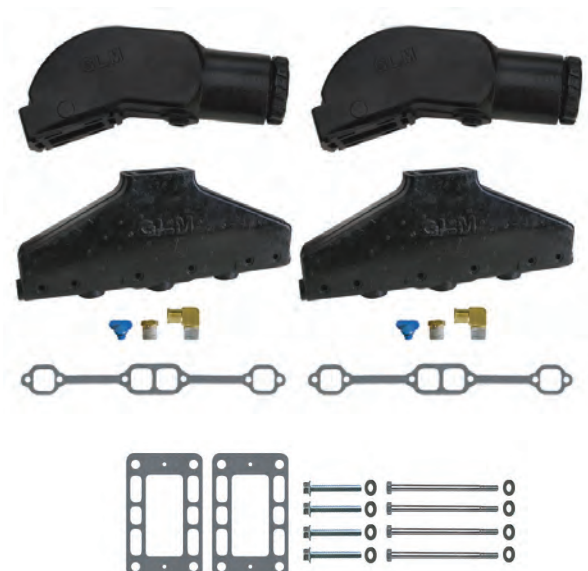
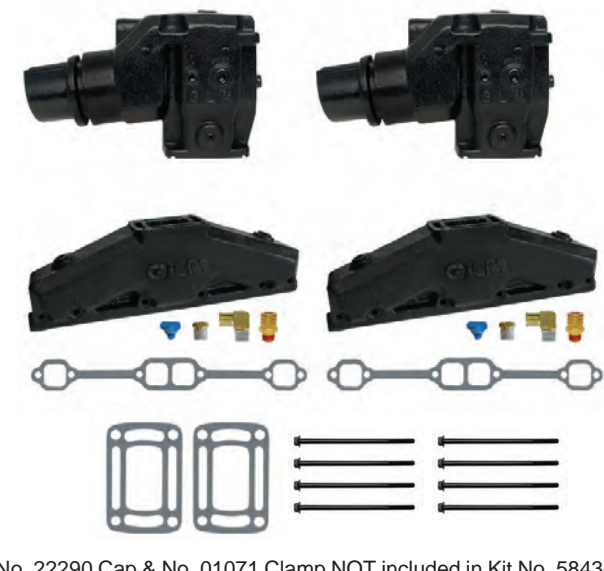
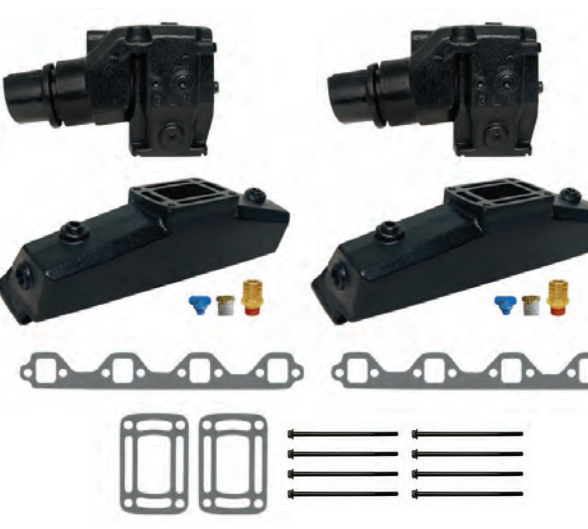
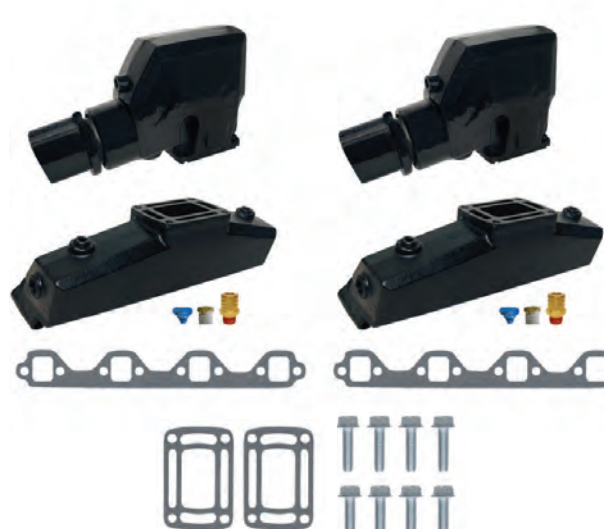


Ref No.	GLM No.	OEM No.	Description	Qty.	Ref No.	GLM No.	OEM No.	Description	Qty.
1	51490	3852347	Exhaust Manifold Assembly	1	17	89229	3853608	Exhaust Hose (1993-96 EFI)	1
2*	33790	3852455	Gasket - Exhaust Manifold	1	18	01100	3853860	Clamp	4
3*	33810	909786	Gasket - Exhaust Elbow	1	19	89224	3852696	Exhaust Hose (1998-96 Carb.)	1
4	22486	3853434	Stud	5	20	50700	3853386	Exhaust Tube (5.8L)	1
5	21248	3853404	Nut	5	20	50800	3853384	Exhaust Tube (5.0L)	1
6	21755	3853155	Screw	3	21	01090	3852604	Clamp	4
7	01071	912627	Clamp (For OEM Design)	1	22	89222	3852741	Exhaust Hose	1
8	22290	3852476	Cap (For OEM Design)	1	23*	13985	N/A	Straight Fitting	1
9	51330	3857944	Ex. Elbow Assy (7.8")('88-96 Carb.)	1	24*	13982	N/A	Straight Fitting Kit	1
10	51337	3862627	Hi-Rise Ex. Elbow Assy (11.3")	1	24a*	13983	-	Reducer	1
11	22398	3852830	Screw (Carb.)	4	24b*	81110	303347	O-Ring	1
12	22379	3850740	Plug (Carb)	1	24c*	13992	-	Drain Plug Kit	1
13	21896	315713	Plug (Carb)	1					
14a.	51332	3855271	Ex. Elbow Assy. - PORT ('93-96 EFI)	1					
14b.	51334	3855269	Ex. Elbow Assy. - STBD ('93-96 EFI)	1					
15	21889	-	Plug (EFI)	1					
16	21755	3853326	Screw (EFI)	4					

* Included with Manifold No. 51490

Volvo Penta

COMPLETE EXHAUST MANIFOLD KITS - V8 S.B.

GM V8 S.B., 305/350 CID (1993 & Before)	GM V8 S.B., 5.7L, 305 CID (1993 & Up)
<p>No. 58630 No. 51510 Elbows OEM: N/A No. 51630 Manifolds</p> 	<p>No. 58430 No. 51330 Elbows OEM: N/A No. 51430 Manifolds</p>  <p>No. 22290 Cap & No. 01071 Clamp NOT included in Kit No. 58430</p> <div style="display: flex; justify-content: space-between;"> <div data-bbox="893 966 1006 1071"> <p>No. 22290 MANIFOLD CAP OEM: 3852476</p> </div> <div data-bbox="1185 966 1266 1071"> <p>No. 01071 CAP CLAMP #10 OEM: 3852602</p> </div> </div>
FORD V8 S.B., 302/351 CID (Carb. Engine)	FORD V8 S.B., 302/351 CID (EFI Engine)
<p>No. 58490 No. 51330 Elbows OEM: N/A No. 51490 Manifolds</p> 	<p>No. 58491 No. 51332 Elbow - Port OEM: N/A No. 51334 Elbow - Stbd No. 51490 Manifolds</p>  <p>No. 22290 Cap & No. 01071 Clamp NOT included in Kit No. 58491</p>
<div style="display: flex; justify-content: space-between;"> <div data-bbox="227 1848 341 1932"> <p>No. 22290 MANIFOLD CAP OEM: 3852476</p> </div> <div data-bbox="519 1848 600 1932"> <p>No. 01071 CAP CLAMP #10 OEM: 3852602</p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div data-bbox="893 1848 1006 1932"> <p>No. 22290 MANIFOLD CAP OEM: 3852476</p> </div> <div data-bbox="1185 1848 1266 1932"> <p>No. 01071 CAP CLAMP #10 OEM: 3852602</p> </div> </div>

Volvo Penta

COMPLETE EXHAUST MANIFOLD KITS w/ HI-RISE ELBOWS - V8 S.B.

GM V8 S.B., 305/350 CID (1993 & Up)

No. 58437

OEM: N/A

No. 51337 Hi-Rise Elbows
No. 51430 Manifolds

No. 22290 Cap &
No. 01071 Clamp
NOT included in
Kit No. 58437



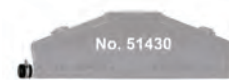
No. 22290

MANIFOLD CAP
OEM: 3852476



No. 01071

CAP CLAMP #10
OEM: 3852602



11.3"



GM V8 S.B., 305/350 CID (2007 & Up)

No. 58438

OEM: N/A

No. 51338 Hi-Rise Elbows
No. 51430 Manifolds

No. 22290 Cap &
No. 01071 Clamp
NOT included in
Kit No. 58438



No. 22290

MANIFOLD CAP
OEM: 3852476



No. 01071

CAP CLAMP #10
OEM: 3852602



10.3"



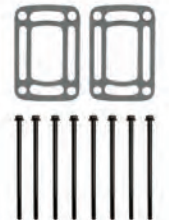
FORD V8 S.B., 302/351 CID (Carb. Engine)

No. 58492

OEM: N/A

No. 51337 Hi-Rise Elbows
No. 51490 Manifolds

No. 22290 Cap &
No. 01071 Clamp
NOT included in
Kit No. 58492



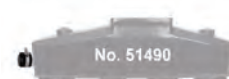
No. 22290

MANIFOLD CAP
OEM: 3852476



No. 01071

CAP CLAMP #10
OEM: 3852602



11.3"



Volvo Penta

EXHAUST MANIFOLDS, STANDARD & HI-RISE ELBOWS - V8 S.B.			
GM / FORD V8 S.B. - Standard	GM V8 S.B. - Hi-Rise	GM / FORD V8 S.B. - Hi-Rise	
<p>No. 51330 EXHAUST ELBOW V8 S.B. Standard 7.8" OEM: 3863061</p>  <p>7.8"</p>	<p>No. 51338 EXHAUST ELBOW V8 S.B. Hi-Rise 10.3" OEM: 3889965 (2007 & Up)</p>  <p>10.3"</p>	<p>No. 51337 EXHAUST ELBOW V8 S.B. Hi-Rise 11.3" OEM: 3862627 (1993 & Up)</p>  <p>11.3"</p>	
GM V8 S.B., 305/350 CID (1993 & Before)		FORD V8 S.B. - EFI	
<p>No. 51510 EXHAUST ELBOW OEM: 856891</p> 	<p>No. 51332 EXHAUST ELBOW - PORT OEM: 3855271</p> 		
GM V8 S.B., 305/350 CID (1993 & Before)		FORD V8 S.B. - EFI	
<p>No. 51630 EXHAUST MANIFOLD - V8 S.B. OEM: 856883</p> 	<p>No. 51334 EXHAUST ELBOW - STARBOARD OEM: 3855269</p> 		
GM V8 S.B.	GM & FORD V8 S.B.	FORD V8 S.B.	
<p>No. 51430 EXHAUST MANIFOLD OEM: 3857723</p> 	<p>No. 22290 MANIFOLD CAP OEM: 3852476</p>  <p>For Manifolds No. 51430 & No. 51490</p>	<p>No. 01071 CAP CLAMP #10 OEM: 3852602</p> 	<p>No. 51490 EXHAUST MANIFOLD OEM: 3852347</p> 

Volvo Penta

V8 B.B. EXHAUST MANIFOLD DIMENSIONS

V8 B.B. (1993 & Up) - V8 B.B. (2007 & Up)

No. 51330

EXHAUST ELBOW
Standard 7.8"
OEM: 3857944

No. 51337

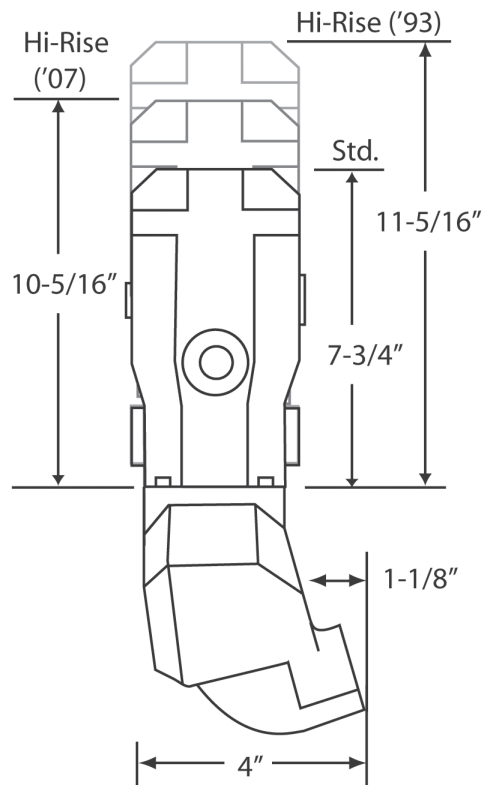
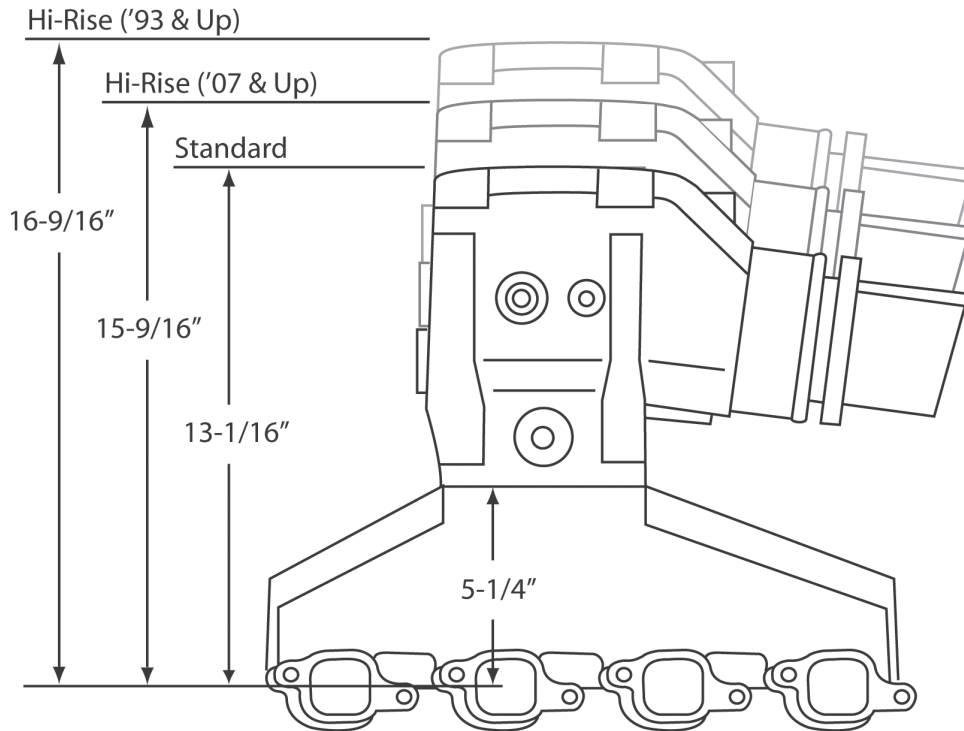
EXHAUST ELBOW
Hi-Rise 11.3" ('93 & Up)
OEM: 3862627

No. 51338

EXHAUST ELBOW
Hi-Rise 10.3" ('07 & Up)
OEM: 3889965

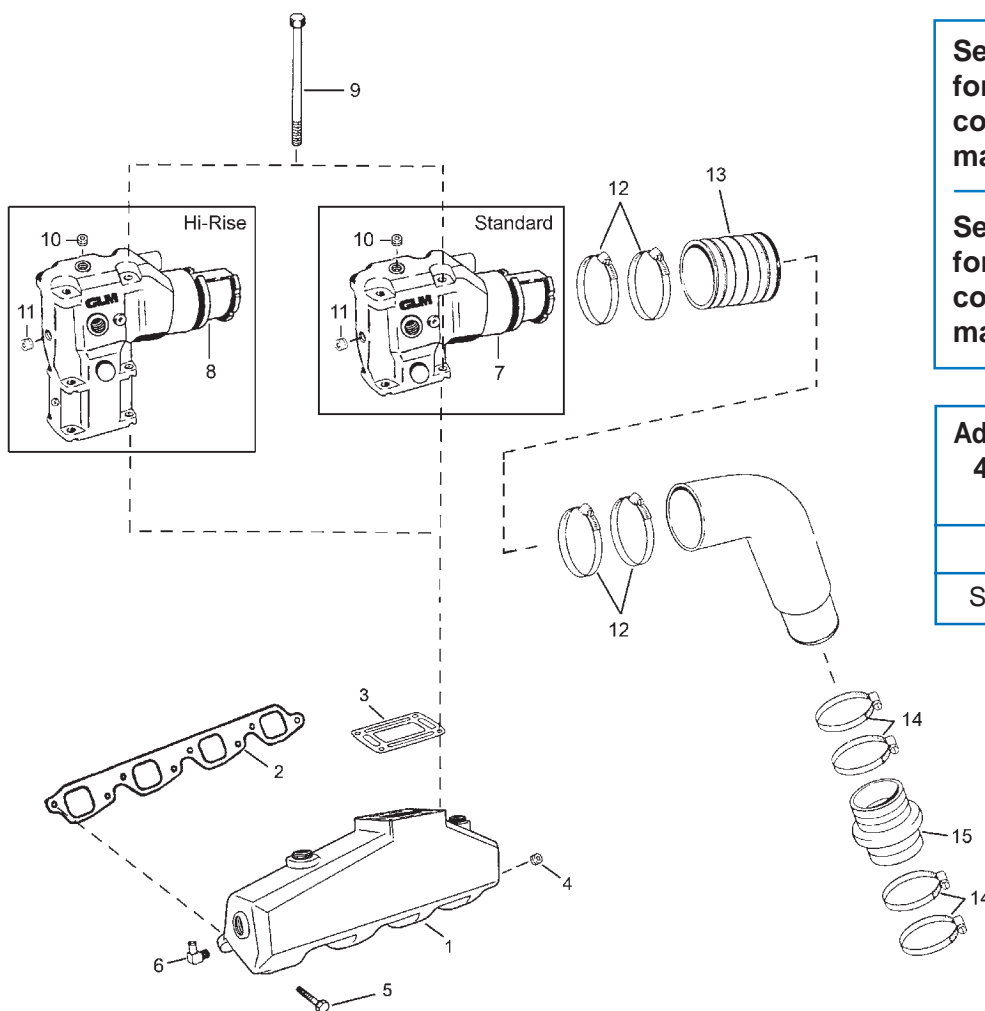
No. 51500

EXHAUST MANIFOLD
OEM: 3861459



Volvo Penta

MODEL 7.4/8.2L - GM 454/502 CID V8 B.B. (1993 & Up)



See page 106 for "Standard" complete V8 manifold kit.

See page 106 for "Hi-Rise" complete V8 manifold kits.

Adapter Plate Kit
460 Ford to
GM 454

No. 53040

See Page 107

16

Ref No.	GLM No.	OEM No.	Description	Qty.
1	51500	3847640	Exhaust Manifold	1
2*	33760	3852472	Gasket - Exhaust Manifold	1
3*	33810	909786	Gasket - Exhaust Elbow	1
4*	21874	-	Plug	1
5	21755	3853326	Screw 3/8 - 16 x 1 1/4 Flange	8
6*	13960	3807044	Elbow Fitting 90° (3/4" x 1")	1
7	51330	3857944	Standard Exhaust Elbow Assembly (7.8" Height)	1
8	51337	3862627	Hi-Rise Single-Piece Exhaust Elbow Assembly (11.3" Height), (1993 & Up)	1
8	51338	3889965	Hi-Rise Single-Piece Exhaust Elbow Assembly (10.3" Height), (2007 & Up)	1
9	22398	3852830	Screw	4
10	22379	3850740	Plug	1
11	21896	315713	Plug	1
12	01100	3853860	Clamp	4
13	89224	3852696	Exhaust Hose	1
14	01090	3852604	Clamp	4
15	89222	3852741	Exhaust Hose	1
16	53040	N/A	Manifold Adapter Plate Kit for Ford 460 to GM 454	1

* Included with Manifold No. 51500

Volvo Penta

COMPLETE EXHAUST MANIFOLD KITS - V8 B.B.

GM V8 B.B., 454/502 CID (7.4/8.2L)

No. 58500

OEM: N/A

No. 51330 Elbows
No. 51500 Manifolds



7.8"

COMPLETE EXHAUST MANIFOLD KITS w/ HI-RISE ELBOWS - V8 B.B.

GM V8 B.B., 454/502 CID (1993 & Up)

GM V8 B.B., 454/502 CID (2007 & Up)

No. 58507

OEM: N/A

No. 51337 Hi-Rise Elbows
No. 51500 Manifolds



11.3"

No. 58508

OEM: N/A

No. 51338 Hi-Rise Elbows
No. 51500 Manifolds



10.3"

EXHAUST MANIFOLD, STANDARD & HI-RISE ELBOWS - V8 B.B.

Standard

GM V8 B.B. - Hi-Rise

GM V8 B.B. - Hi-Rise

No. 51330

EXHAUST ELBOW
V6 Standard 7.8"
OEM: 3863061



7.8"

No. 51338

EXHAUST ELBOW
V8 S.B. Hi-Rise 10.3"
OEM: 3889965
(2007 & Up)



10.3"

No. 51337

EXHAUST ELBOW
V8 S.B. Hi-Rise 11.3"
OEM: 3862627
(1993 & Up)



11.3"

GM V8 B.B

No. 51500

EXHAUST MANIFOLD - V8 B.B.
OEM: 3847640

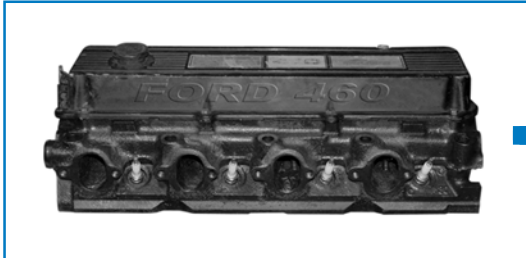


Volvo Penta

COMPLETE MANIFOLD KIT W/ 460 ADAPTER PLATES - V8 B.B.

V8 Big Block, Ford 460 to GM 454 Manifold

Use your GM Big Block Exhaust Manifolds on your Ford 460 Engine.



GLM's Manifold Kit No. 58930 with "Two-Piece" Manifolds Can Be Used to Convert the Ford 460 Engine to GM 454.



No. 58930

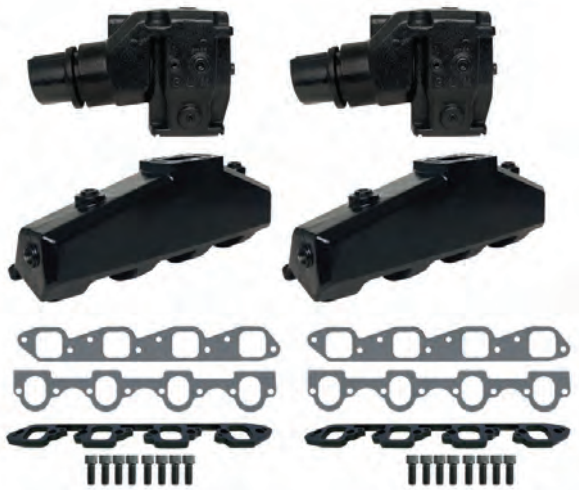
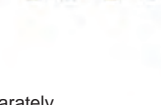
OEM: N/A

Ford 460 to
GM 454 Manifold

Kit Contains:

GLM	OEM	ITEM
51330 (2)	3863061	Elbow
33810 (2)	3863191	Elbow Gasket
51500 (2)	3847640	Manifold
50045	N/A	Adapter Plates
31710* (2)	912405	Gasket - Ford Block to Adapter Plate
33760 (2)	3852472	Gasket - Adapter Plate to GM Manifold
22345 (16)	N/A	Screw
21493 (8)	3852002	Lockwasher
21675 (8)	3852058	Washer
22398 (8)	3852830	Screw
21755 (16)	3853326	Screw

* Not Sold Separately



No. 53040

OEM: N/A

MANIFOLD 460

ADAPTER PLATE KIT

Ford 460 to
GM 454 Manifold



GLM No. 58930 Ford 460 to GM 454 Complete Manifold Kit w/ 460 Adapter Plates Assembled.

No. 50045

OEM: N/A

460 ADAPTER

PLATES



Use your Chevy Big Block Exhaust Manifolds on your Ford 460 Engine!

Volvo Penta

EXHAUST MANIFOLD GASKET & HARDWARE KITS

No. 53770

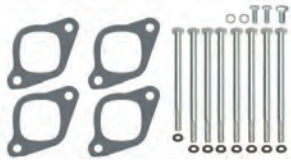
EX. GASKET / HARDWARE KIT

No. 37100

W/O HARDWARE
OEM: 855967

No. 53771

EXHAUST MANIFOLD
HARDWARE KIT



AQ 120/125/131/140/145/151
BB 140/145/230/250,
4-Cyl. (1973-90)

No. 13993

DRAIN COCK
OEM: 82745-1



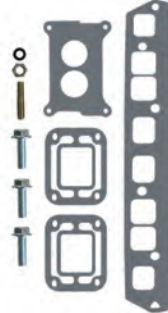
AQ 120/125/131/140/145/151
BB 140/145/230/250,
4-Cyl. (1973-90)

No. 53772

W/ HARDWARE

No. 39771

W/OUT HARDWARE



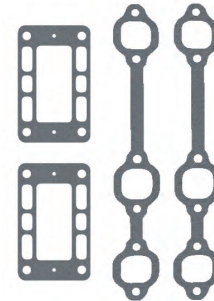
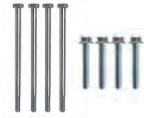
GM 4-Cyl. 181 CID
(1992 & Up)

No. 53640

W/ HARDWARE

No. 39774

W/OUT
HARDWARE



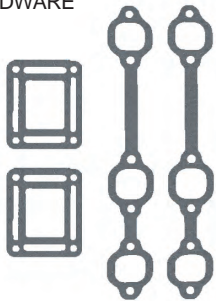
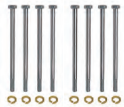
GM V6 AQ175-AQ434
(1993 & Before)

No. 53773

W/ HARDWARE

No. 39773

W/OUT
HARDWARE



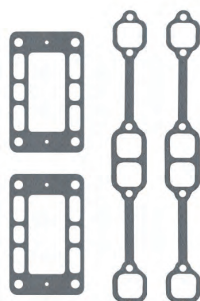
GM V6 4.3L 262 CID
(1991 & Up)

No. 53775

W/ HARDWARE

No. 39775

W/OUT
HARDWARE



GM V8 S.B. 305/350 CID
(1993 & Before)

No. 53040

MANIFOLD ADAPTER
PLATE KIT



Ford 460 to GM 454

No. 50045

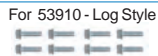
ADAPTER PLATES



Ford 460 to GM 454 Manifold

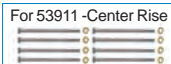
No. 53910

W/ HARDWARE
(For Log Style)



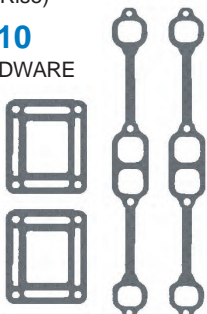
No. 53911

W/ HARDWARE
(For Center-Rise)



No. 39910

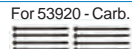
W/OUT HARDWARE



GM V8 S.B.

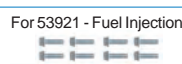
No. 53920

W/ HARDWARE
(For Carb.)



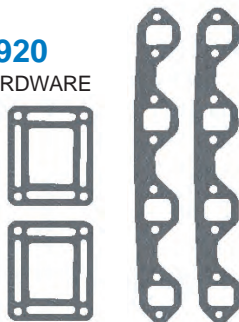
No. 53921

W/ HARDWARE
(For EFI)



No. 39920

W/OUT HARDWARE



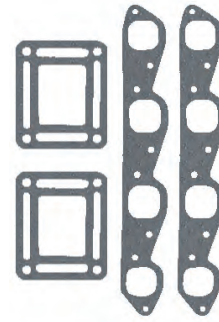
FORD V8 S.B. 302/351 CID

No. 53940

W/ HARDWARE

No. 39940

W/OUT
HARDWARE



GM V8 B.B. 454/502 CID

Volvo Penta

CAP & CLAMP	EXHAUST FLAPPER VALVES		
<p>No. 22290 MANIFOLD CAP OEM: 3852476</p>  <p>No. 01071 CAP CLAMP #10 OEM: 3852602</p>  <p>No. 51430</p>  <p>No. 51490</p>  <p>For No. 51430 & No. 51490</p>	<p>No. 89240 3 INCH OEM: 34765A1 (with Clamps)</p>  <p>3 Inch</p>	<p>No. 89250 4 INCH OEM: 12644A1 (with Clamps)</p>  <p>4 Inch</p>	<p>No. 89260 5 & 6 INCH OEM: N/A (with Clamps)</p>  <p>5 & 6 Inch</p>
EXHAUST BELLOWS / HOSES			
<p>No. 89222 EXHAUSTHOSE OEM: 3852741</p>  <p>2.5 (1986), 3.0 (1986-91) 2.3 (1989-90), 4.3 (1990-91) 5.0/5.8 Ford (1991), 5.7 (early 1986)</p>	<p>No. 89224 EXHAUSTHOSE - UPPER OEM: 3852696</p>  <p>4.3 (1991), 5.0/5.8 Ford (1991) 7.5 460 (1988-89), 5.7LE (1990-91), All Cone Clutch (1990-91)</p>	<p>No. 89227 EXHAUSTHOSE-UPPER OEM: 834751</p>  <p>Volvo up to 1993</p>	<p>No. 89229 EXHAUSTHOSE OEM: 3853608</p>  <p>5.0/5.8 EFI (1993-96)</p>
SUS 316 Hose Clamps			
<p>No. 01090 316 HOSE CLAMP OEM: 3852604</p> <p>For No. 89222</p> 	<p>No. 01100 316 HOSE CLAMP OEM: 3853860</p> <p>For No. 89224 & No. 89229</p> 		



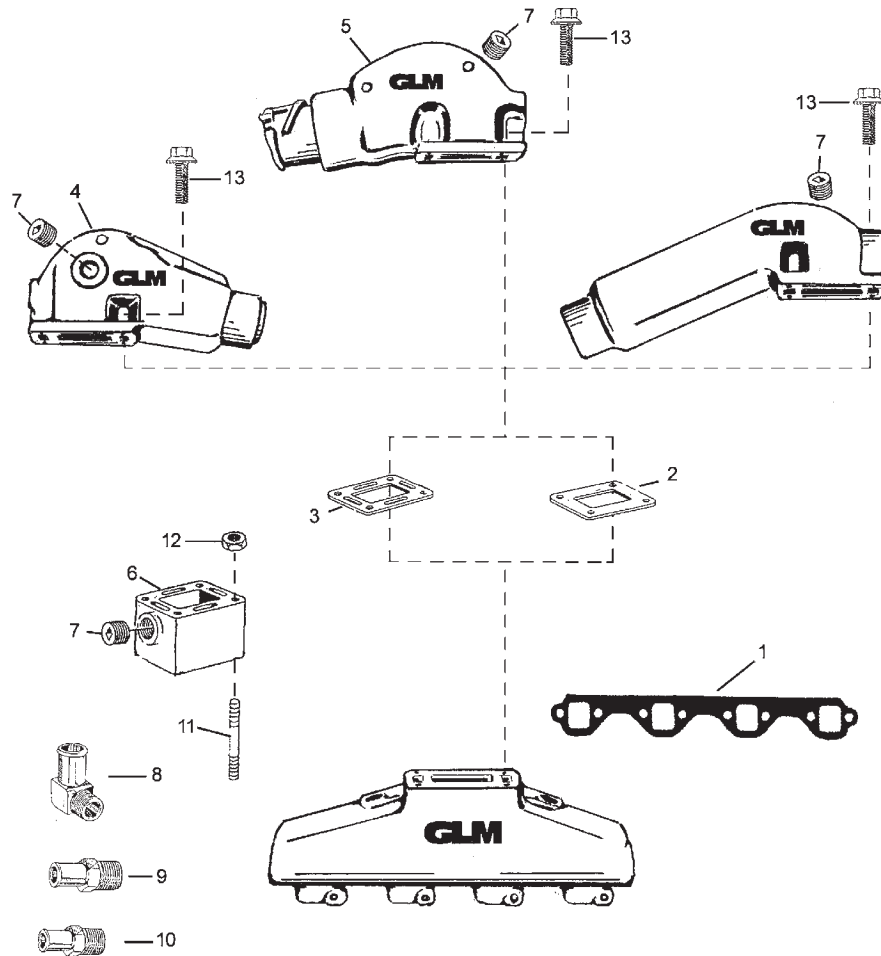
Section 5

Barr / Indmar / Marine Power Exploded Views, Gaskets & Components

<i>V8 S.B. - 305/350 CID</i>	<i>112</i>
<i>V8 S.B. FORD - 302/351 CID</i>	<i>113</i>
<i>V8 B.B. - 454/502 CID</i>	<i>114</i>
<i>Exhaust Elbows - 3" & 4"</i>	<i>115</i>
<i>Exhaust Manifold Gasket & Hardware Kits</i>	<i>115</i>

Barr / Indmar / Marine Power

MODEL - FORD 5.0/5.8L - 302/351 CID V8 S.B.



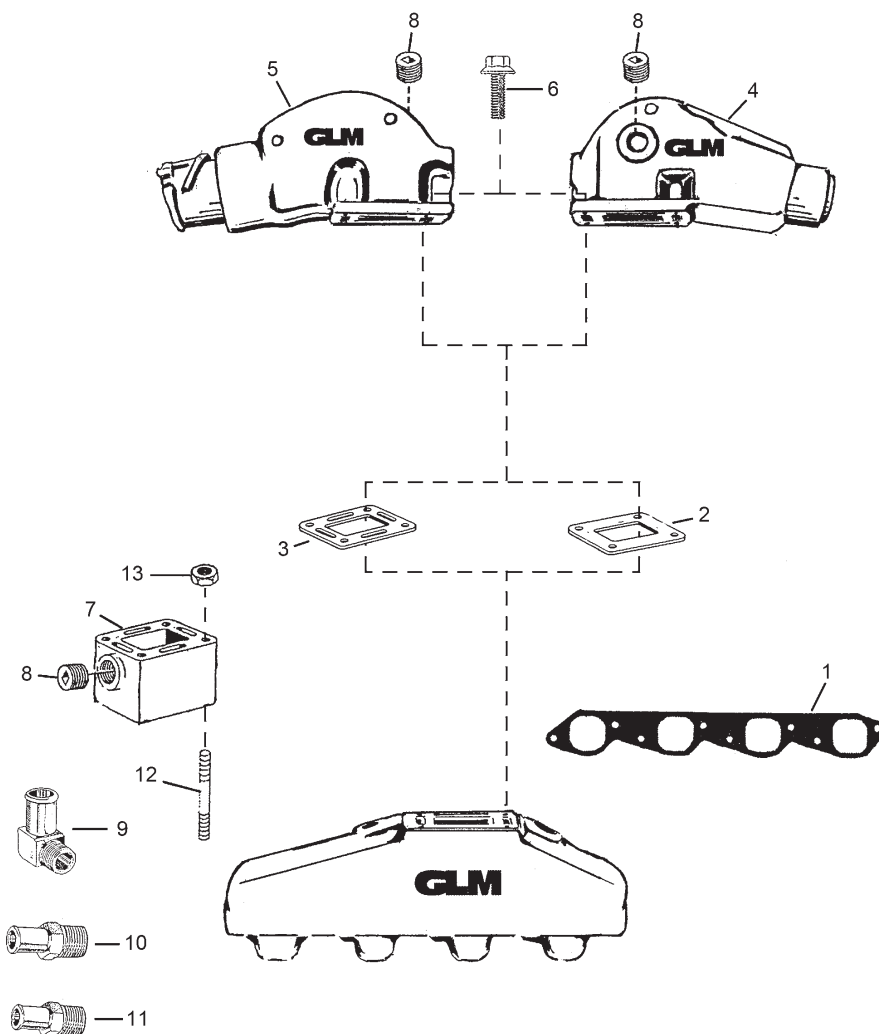
Ref No.	GLM No.	OEM No.	Description	Qty.
1	33790	-	Gasket - Exhaust Manifold	1
2	36820	1-0105 (Barr)	Gasket - Exhaust Elbow	1
3	36830	1-0107 (Barr)	Gasket - Exhaust Elbow	1
4	56110	20-0082(Barr)	Exhaust Elbow 3" 10 Degree	1
5	56140	20-0100 (Barr)	Exhaust Elbow 4" 10 Degree	1
		0992-593 (Indmar)		
6	56030	20-0097	Spacer 3"	1
7*	21892	-	Plug	1
8	13960	-	90 Degree Elbow Fitting 3/4 -14 x 1	1
9	13984	-	Straight Fitting 3/4 -14 x 1	1
10	13986	-	Straight Fitting 3/4 -14 x 3/4	1
11	22481	-	Stud	4
12	21248	-	Nut	4
13	22355	-	Screw	4

* Included with Exhaust Elbows 56110 & 56140.

Plug also included with 3" Spacer 56030.

Barr / Indmar / Marine Power

MODEL GM 454/502 CID V8 B.B.



Ref No.	GLM No.	OEM No.	Description	Qty.
1	33760	CHVA-47-0000	Gasket - Exhaust Manifold	1
2	36820	1-0105 (Barr)	Gasket - Exhaust Elbow	1
3	36830	1-0107 (Barr)	Gasket - Exhaust Elbow	1
4	56110	20-0082 (Barr) 0992-000 (M.P.)	Exhaust Elbow 3" 10 Degrees	1
5	56140	20-0100 (Barr) 0992-593 (M.P.)	Exhaust Elbow 4" 10 Degrees	1
6	22355	-	Screw	4
7	56030	20-0097 (Barr)	Spacer 3"	1
8*	21892	-	Plug	1
9	13960	-	90 Degree Elbow Fitting 3/4 - 14 x 1	1
10	13984	-	Straight Fitting 3/4 - 14 x 1	1
11	13986	-	Straight Fitting 3/4 - 14 x 3/4	1
12	22481	-	Stud	4
13	21248	-	Nut	4
* Included with Exhaust Elbows 56110 & 56140.				
Plug also included with 3" Spacer 56030.				

Barr / Indmar / Marine Power

EXHAUST ELBOWS

3" 10° DOWN ANGLE

No. 56110

EXHAUST ELBOW - 3 INCH
 OEM: 20-0082 (Barr)
 0992-000 (M.P.)



4" 10° DOWN ANGLE

No. 56140

EXHAUST ELBOW - 4 INCH
 OEM: 20-0100 (Barr)
 0992-593 (M.P.)



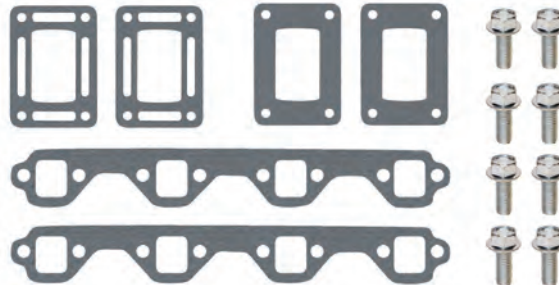
EXHAUST MANIFOLD GASKET AND HARDWARE KITS

No. 53783

W/ HARDWARE
 OEM: N/A

No. 39783

W/OUT HARDWARE
 OEM: N/A



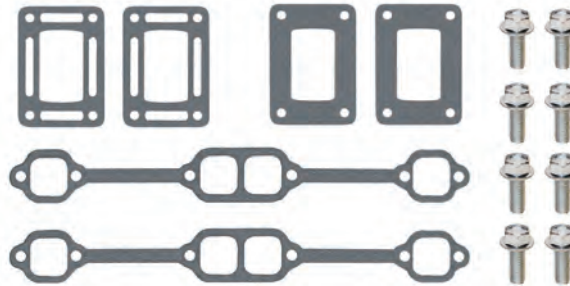
FORD V8 Small Block

No. 53781

W/ HARDWARE
 OEM: N/A

No. 39781

W/OUT HARDWARE
 OEM: N/A



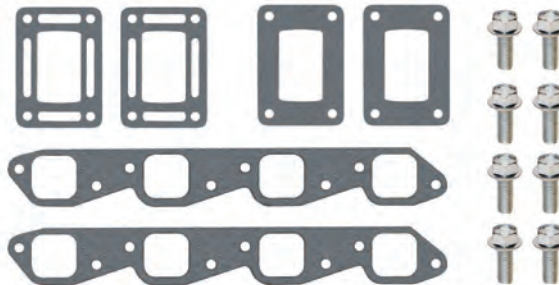
GM V8 Small Block

No. 53782

W/ HARDWARE
 OEM: N/A

No. 39782

W/OUT HARDWARE
 OEM: N/A



GM V8 Big Block



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, 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#**

Superior Marine Manifolds

Conversion Kits

100% Complete



- MerCruiser V6
- MerCruiser V8
- OMC GM V6
- OMC Ford V8

Gaskets & Hardware Included

Wet Joint Manifold Kits

100% Complete



- MerCruiser 4-Cyl.
- MerCruiser GM V6
- MerCruiser GM V8
- OMC / Volvo 4-Cyl.
- OMC / Volvo GM V6
- OMC / Volvo GM V8
- OMC / Volvo Ford V8
- Barr / Indmarr Ford V8

Gaskets & Hardware Included

Dry Joint Alternative

Manifold-Elbow Sets



- MerCruiser V6
- MerCruiser V8

Gaskets & Hardware Included

Replaces your whole dry joint exhaust system!

Exhaust Manifolds

4-Cyl. Log Style



- MerCruiser 120
- MerCruiser 140
- MerCruiser 3.0 L

- MerCruiser 3.0 LX
- OMC 3.0 / 3.0 H.O.
- Volvo 3.0 GS

Gaskets Included

Exhaust Elbows

Standard



- MerCruiser 3 Inch
- MerCruiser 4 Inch
- MerCruiser 7° Dry
- MerCruiser 14° Dry
- OMC 3 Inch
- Volvo 3 Inch V6
- Volvo 3 Inch V8 S.B.
- OMC / Volvo (Carb.)
- OMC / Volvo (EFI)
- OMC 3.0 / 3.0 H.O.
- Volvo 3.0 GS
- Barr GM & Ford V8

Exhaust Manifolds

V6 thru V8 B.B.



- MerCruiser Wet
- MerCruiser Dry
- Volvo Penta
- OMC

Gaskets Included

Dry Joint Manifold Kits

100% Complete



- 7° Elbows:
- MerCruiser GM V6
- MerCruiser GM V8 S.B.

- 14° Elbows:
- MerCruiser GM V6
- MerCruiser GM V8 S.B.

Gaskets & Hardware Included

Exhaust Elbows

Hi-Rise



- Volvo Penta V6
- Volvo Penta V8 S.B.
- OMC V6
- OMC V8 S.B.
- OMC / Volvo Penta V8 B.B.
- OMC / Volvo Penta V8 Ford

460 Adapter Kits

Ford Engine to GM Manifolds



- MerCruiser V8 B.B.
- OMC V8 B.B.
- Volvo Penta V8 B.B.

Gaskets & Hardware Included

Spacer Kits

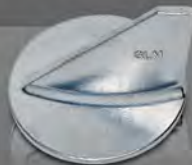
Wet, Dry & D.J. Alternative



- MerCruiser 3" - Wet
- MerCruiser 6" - Wet
- MerCruiser 3" - Alt.
- MerCruiser 1.7" - Dry
- MerCruiser 3" - Dry

Gaskets & Hardware Included

Over 4,000 Aftermarket Marine Parts



www.glmmarine.com



www.glmmarine.com

For Current Catalogs & Updates

On-line Catalog Series - Mobile - Tablet - Desktop



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:
GXM24V1