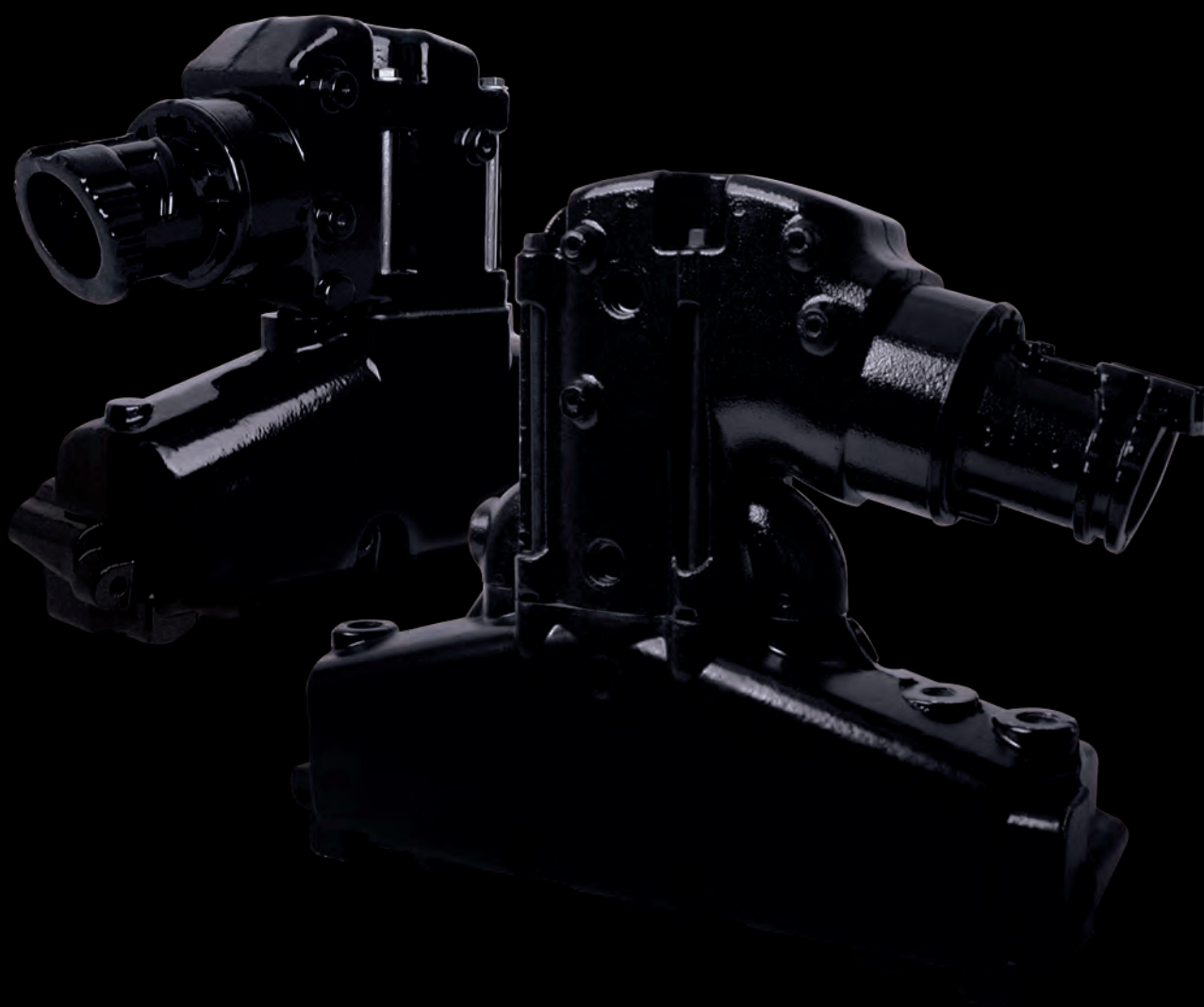




Manifold Catalog



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!



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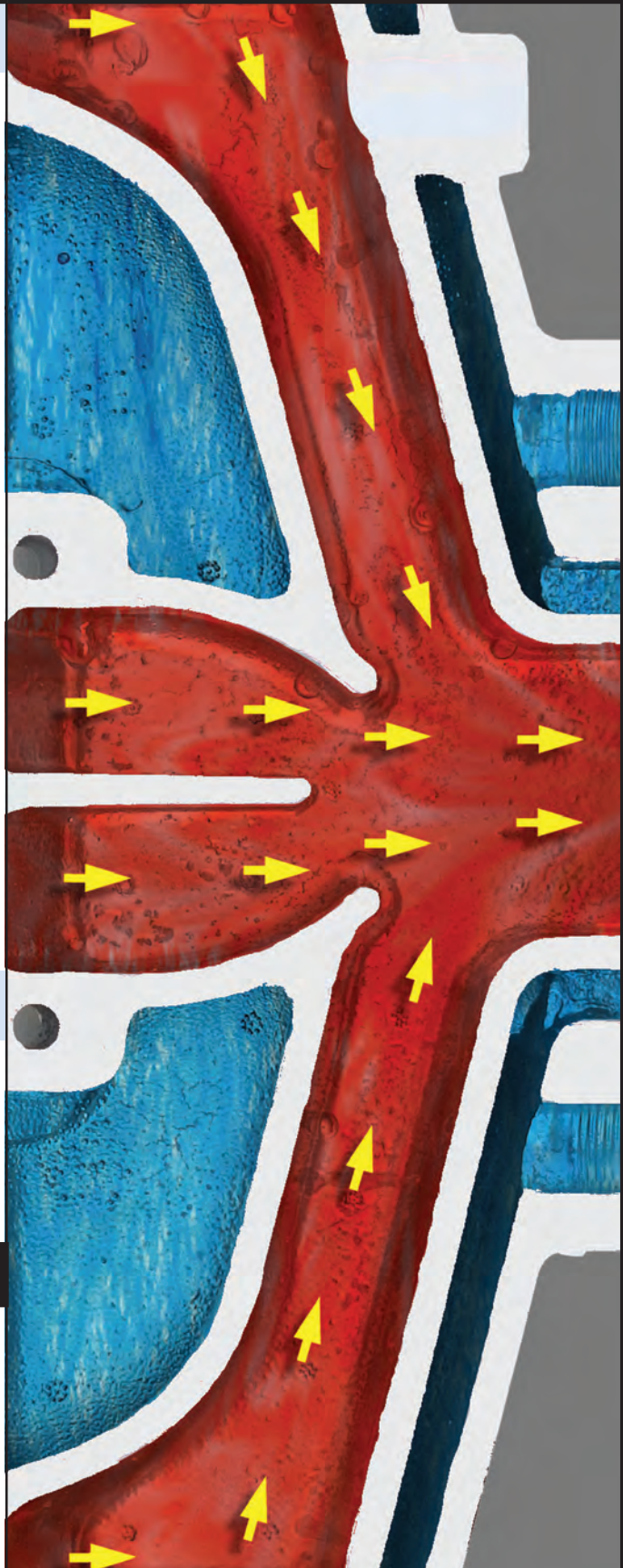
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Section 1

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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.

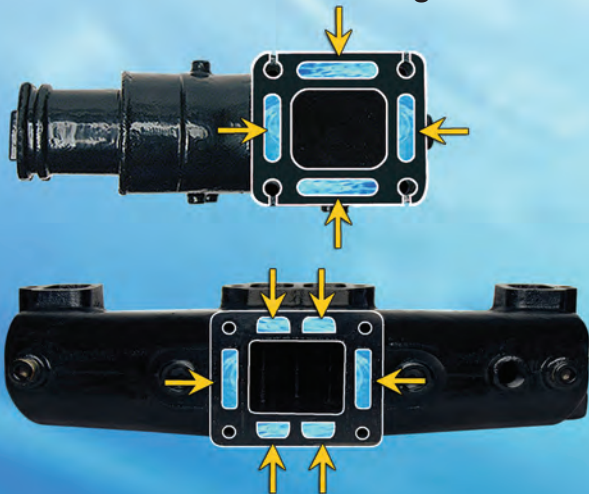
From 1983 to 2002 Mercruiser used an *internal* method of transferring water from the manifold to the elbow. This is called the “Wet Joint” exhaust system. In this system the water jackets are casted directly into the elbow.

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”.

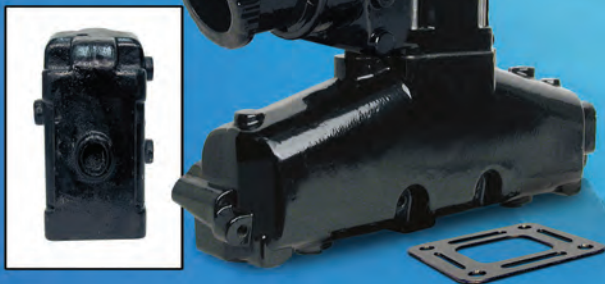
WET JOINT (1983-2002)

Internal Water Passages



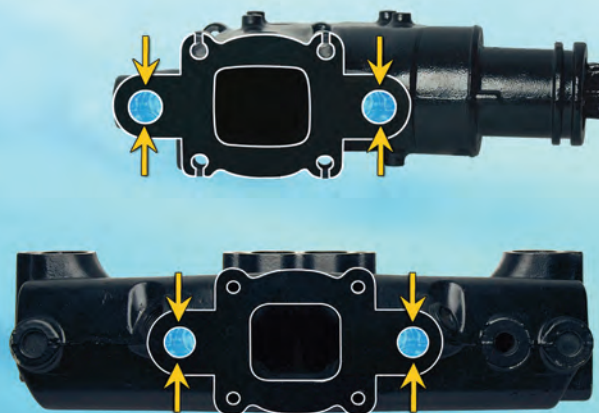
Elbow used with Wet Joint Manifolds 1987-2002

- 4" Hose
- 7° Angle
- 6.72" Tall



DRY JOINT (2002-2010)

External Water Passages



Elbow used with Dry Joint Manifolds 2002-2010

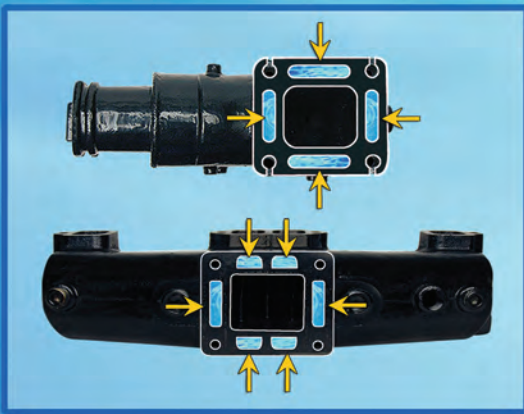
- 4" Hose
- 7° Angle
- 6.72" Tall



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WET JOINT

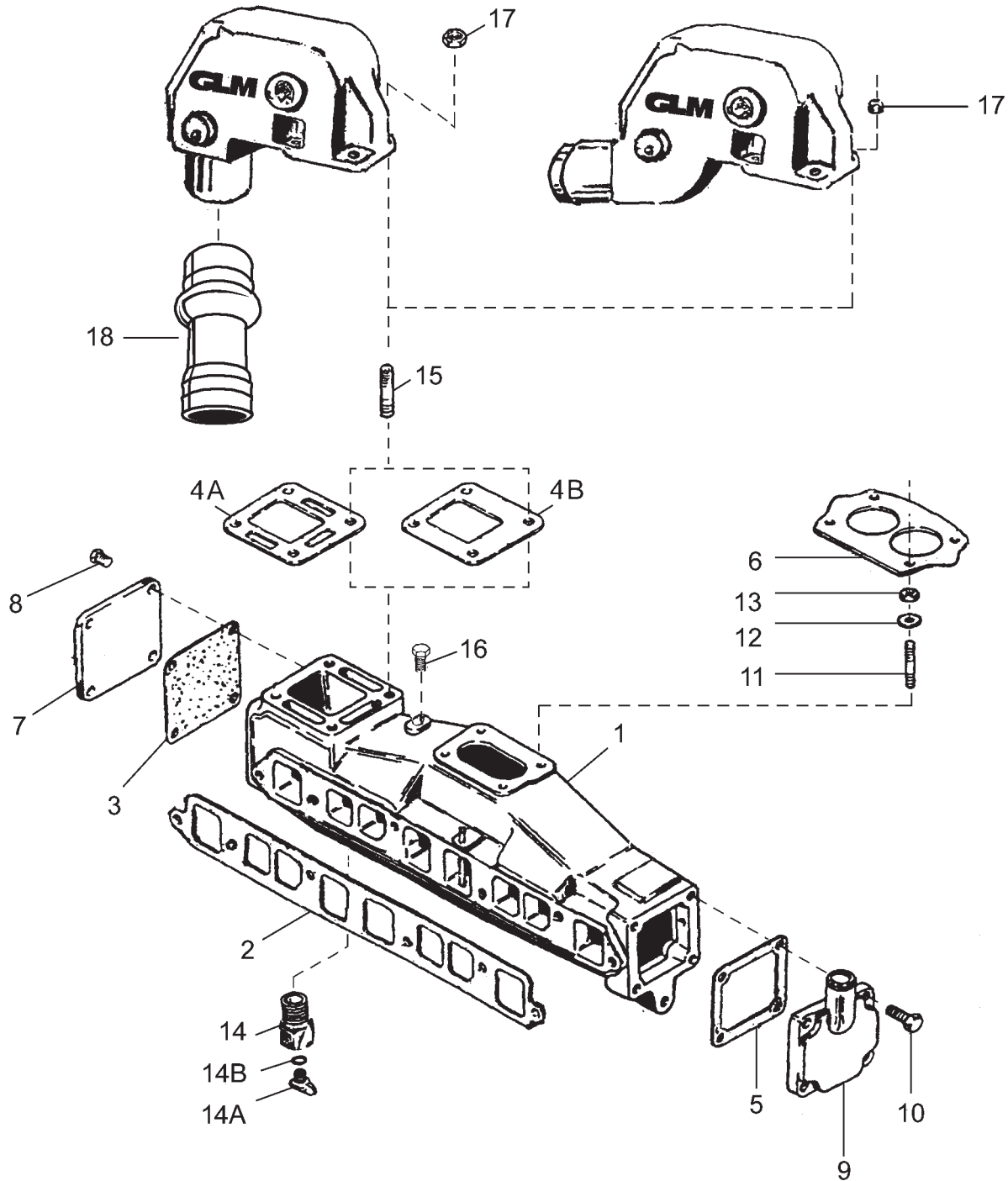
**MANIFOLDS & ELBOWS
with
Internal Water Passages**



MerCruiser

WET JOINT

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



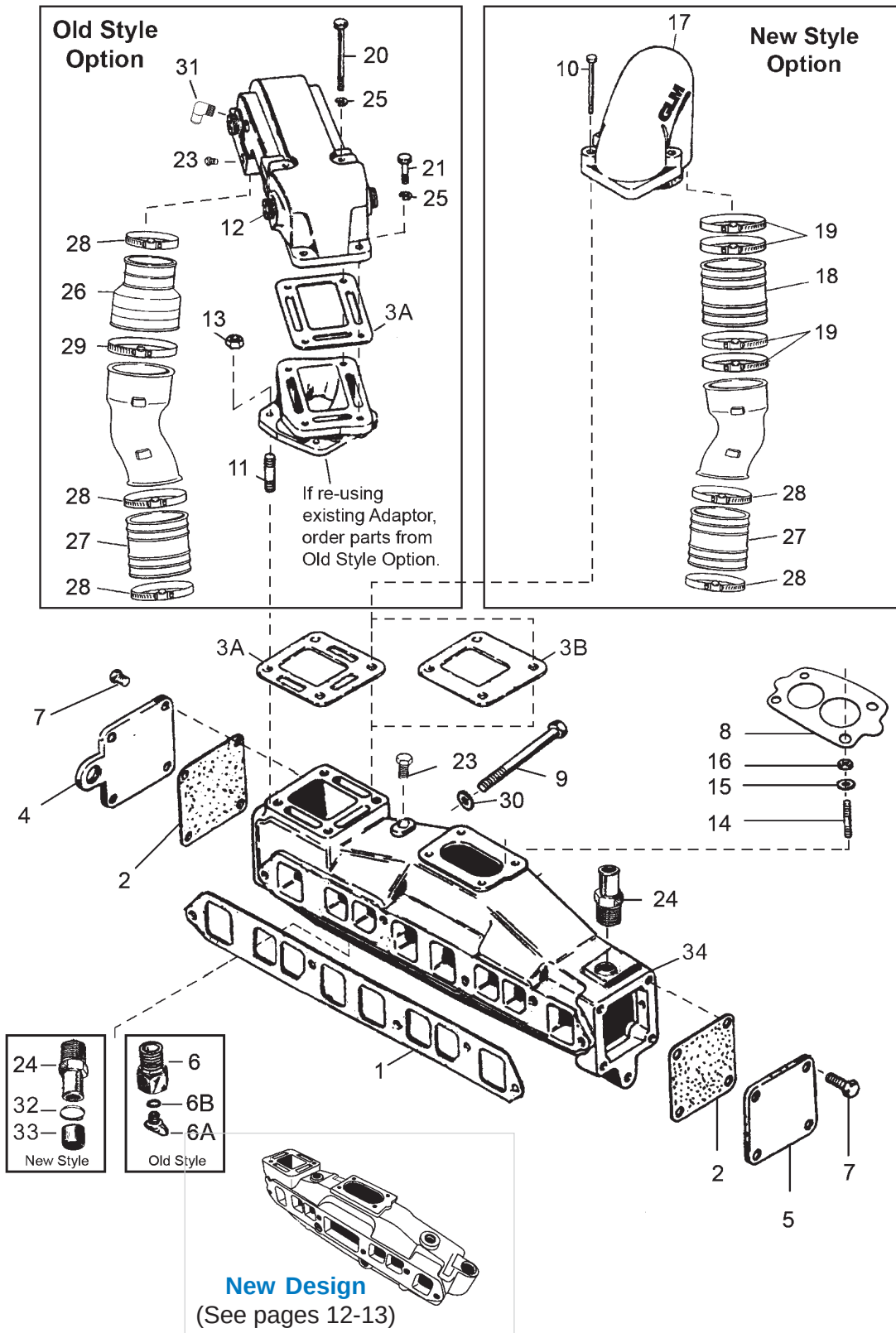
MerCruiser

[illegible]

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WET JOINT

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



MerCruiser

[illegible]

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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)

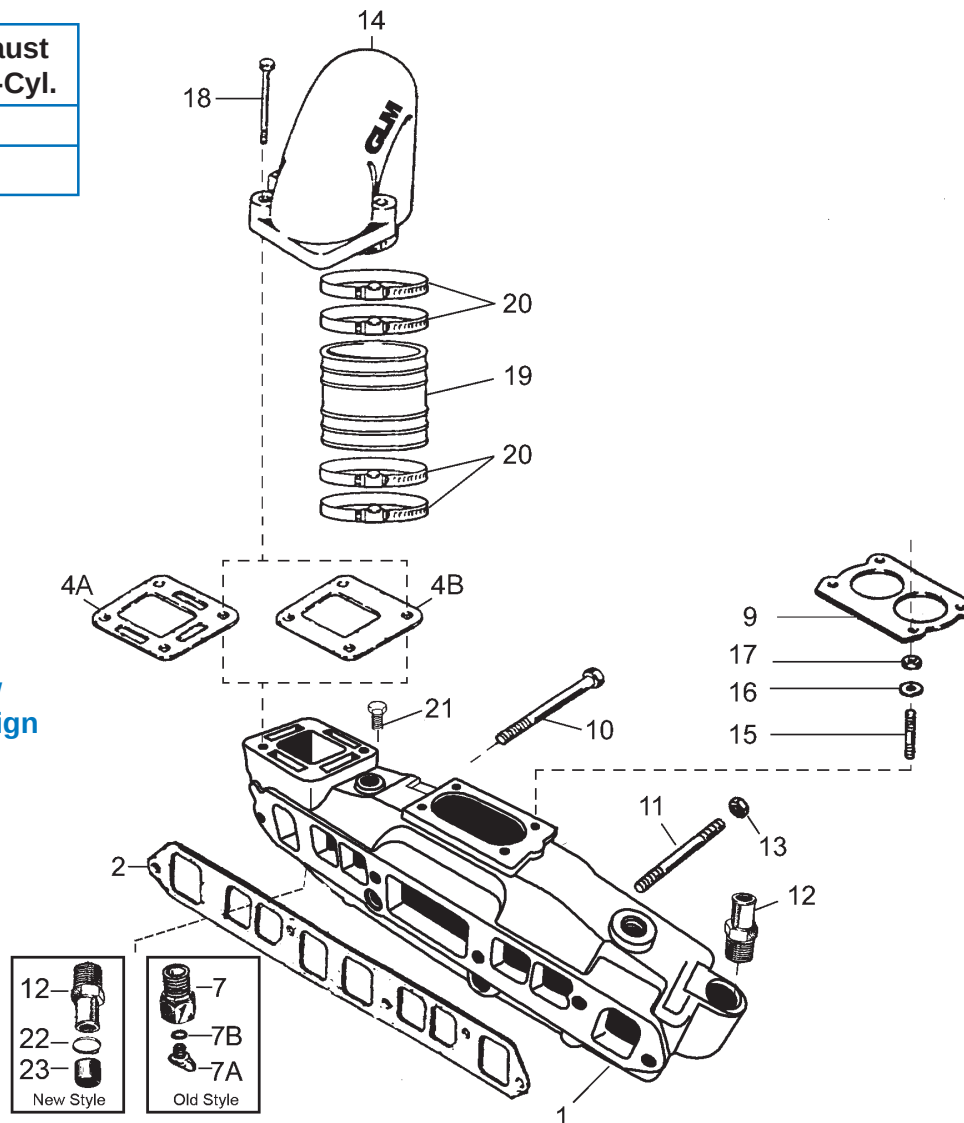
**Complete Exhaust
Manifold Kit - 4-Cyl.**

No. 58214

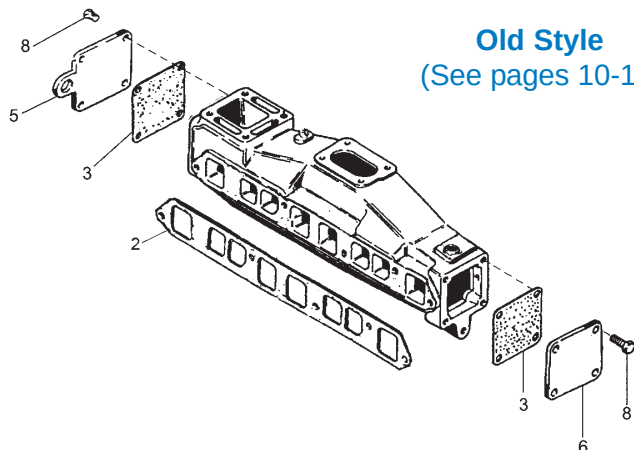
See Page 14

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**New
Design**



Old Style
(See pages 10-11)



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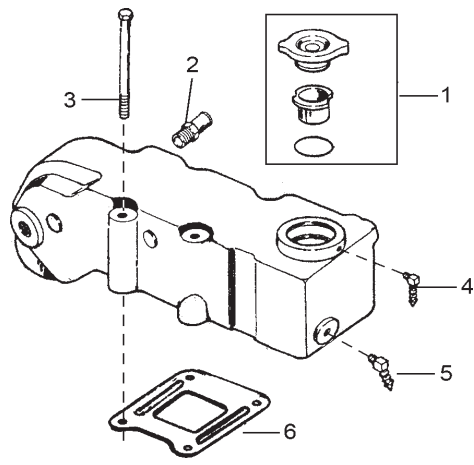
MODEL 120/140 - INLINE 4, 153/181 CID, 4-CYL. (1982-95) MODEL 3.0LX/3.0L - INLINE 4, GM 181 CID, 4-CYL. (1990 & UP)

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	

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WET JOINT

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

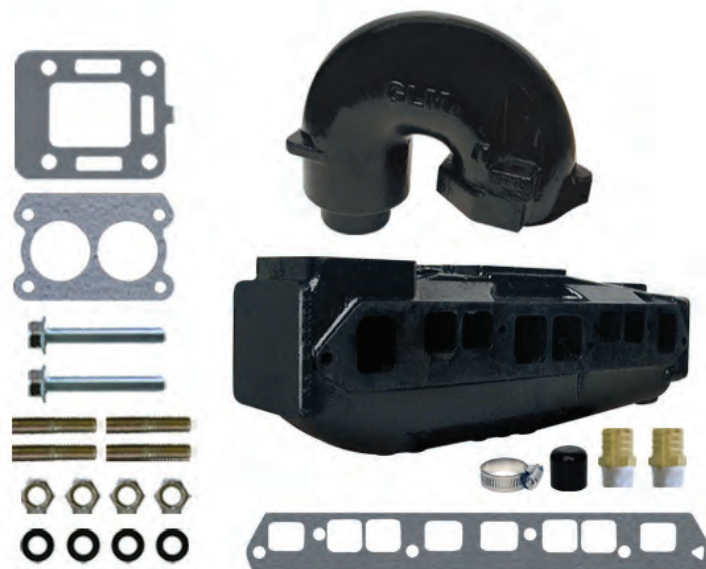
Complete Exhaust Manifold Kit - 4-Cylinder

No. 58214

OEM: N/A

No. 51160 Elbow

No. 51214 Manifold



Exhaust Elbows - 4-Cylinder

Exhaust Manifolds - 4-Cylinder

No. 51160

EXHAUST ELBOW

OEM: 12076A2



No. 51214

EXHAUST MANIFOLD

OEM: 860235A03



No. 51212

EXHAUST MANIFOLD

OEM: 96705A1



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V6 EXHAUST MANIFOLD DIMENSIONS

WET JOINT

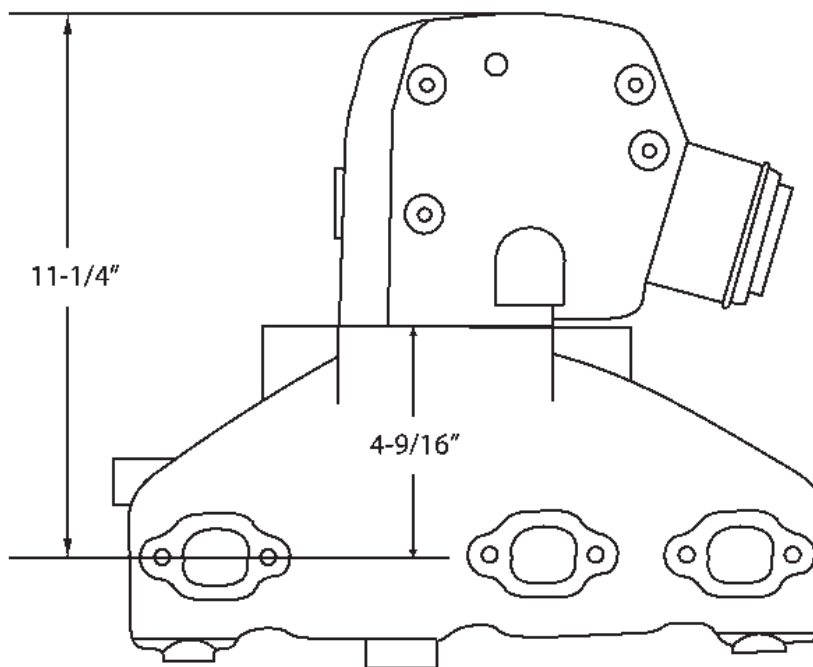
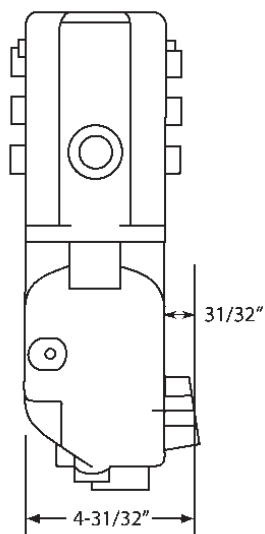
V6 w/ 3" Riser (1983 - 0M SN #'s)

No. 51110

EXHAUST ELBOW
OEM: 98504A3

No. 51220

EXHAUST MANIFOLD
OEM: 99746A17



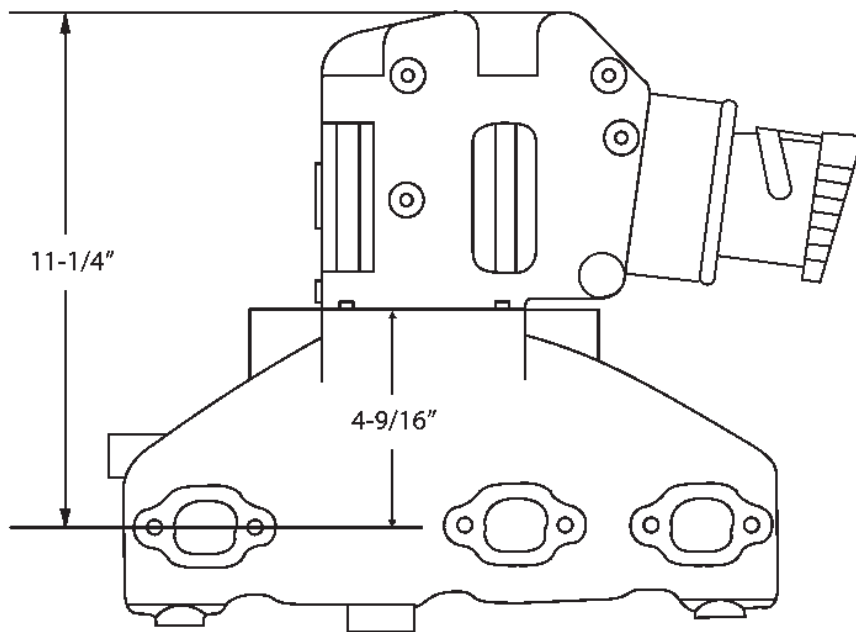
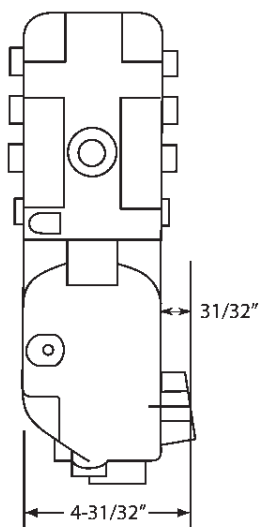
V6 w/ 4" Riser (1983 - 0M SN #'s)

No. 51140

EXHAUST ELBOW
OEM: 807988Q03

No. 51220

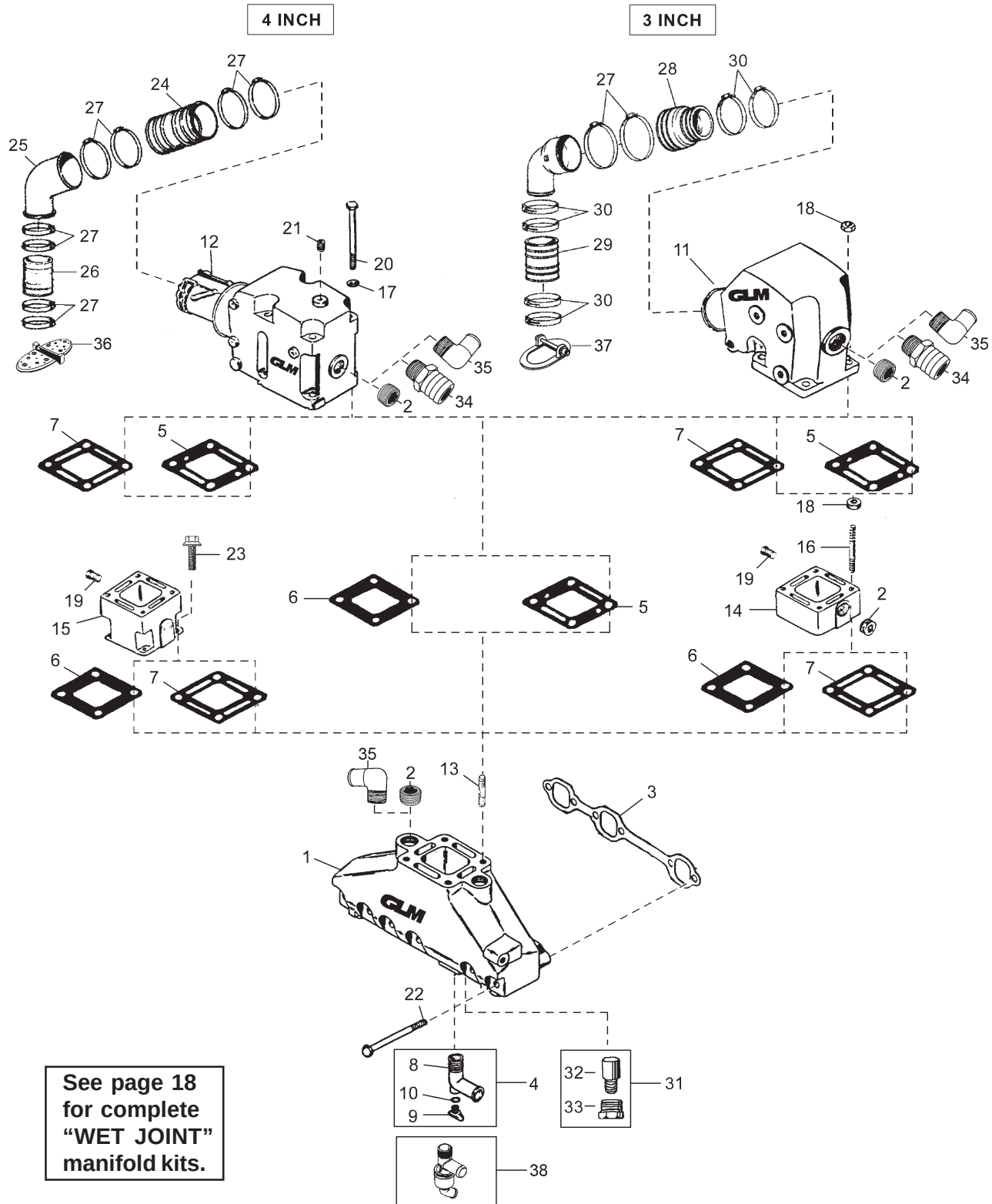
EXHAUST MANIFOLD
OEM: 99746A17



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
38	13995	22-863786A1	Air Actuated Drain T-Fitting Assy (Coming Soon...)	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

OEM: N/A

No. 51110 Elbows
No. 51220 Manifolds



4 Inch Elbow Kit w/out Spacer

No. 58222

OEM: N/A

No. 51140 Elbows
No. 51220 Manifolds

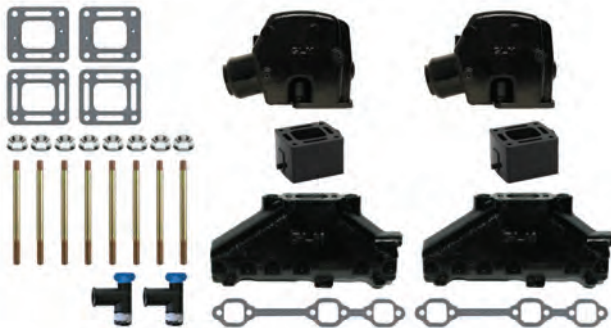


3 Inch Elbow Kit w/ 3 Inch Spacer

No. 58223

OEM: N/A

No. 51110 Elbows
No. 51220 Manifolds
No. 50300 Spacers

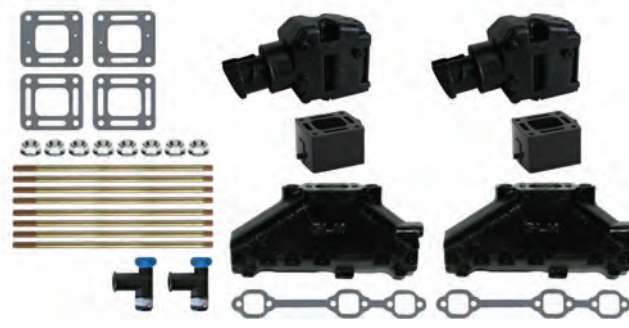


4 Inch Elbow Kit w/ 3 Inch Spacer

No. 58224

OEM: N/A

No. 51140 Elbows
No. 51220 Manifolds
No. 50300 Spacers

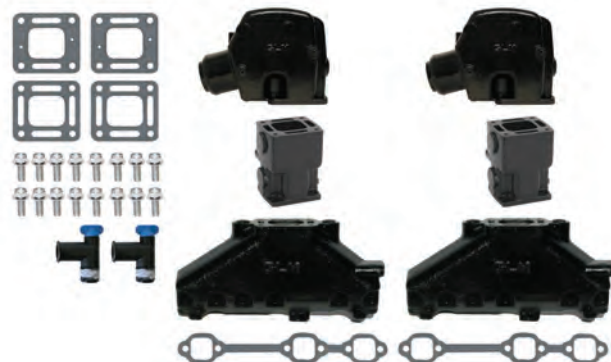


3 Inch Elbow Kit w/ 6 Inch Spacer

No. 58225

OEM: N/A

No. 51110 Elbows
No. 51220 Manifolds
No. 50600 Spacers

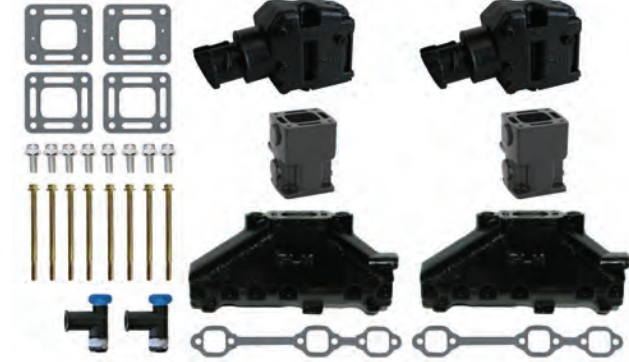


4 Inch Elbow Kit w/ 6 Inch Spacer

No. 58226

OEM: N/A

No. 51140 Elbows
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	6" Spacer - Standard Cooling	
No. 50300 3" SPACER - CAST IRON OEM: N/A 	No. 50600 6" SPACER - CAST IRON OEM: N/A 	See page 33 for complete spacer kits.

MerCruiser

WET JOINT

EXHAUST MANIFOLD CONVERSION KIT - GM V6

V6, 4.3L, GM 262 CID with Raw Water Cooling (1996-2001)

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

OEM: N/A

Single-Piece Manifolds to Center Rise Manifolds

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



*Manifold to engine screws NOT included. Re-use existing screws. You may need to purchase longer screws than original depending on your application.



Re-Use the Original Y-Pipe and the Exhaust Tube (not included) for 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

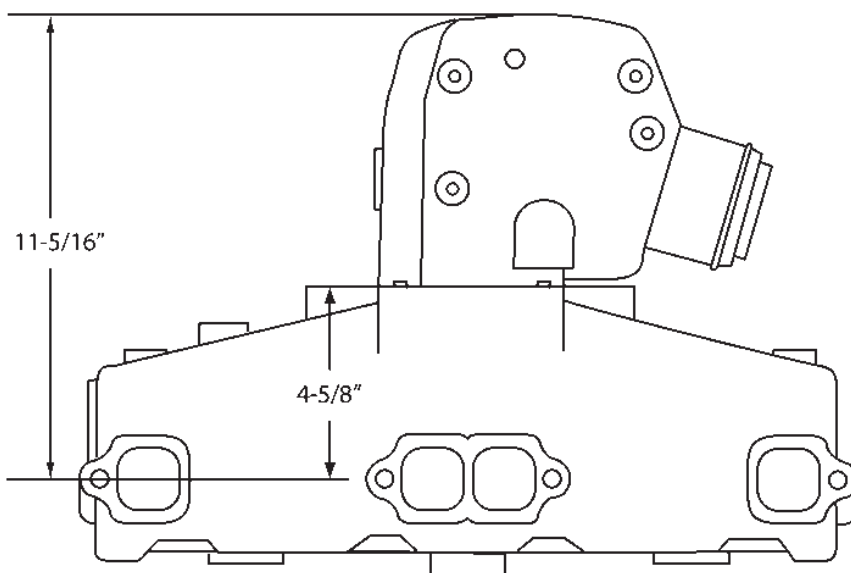
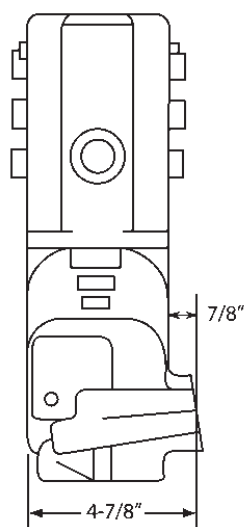
V8 S.B. w/ 3" Riser (1983 - 0M SN #'s)

No. 51110

EXHAUST ELBOW
OEM: 98504A3

No. 51230

EXHAUST MANIFOLD
OEM: 860246A10



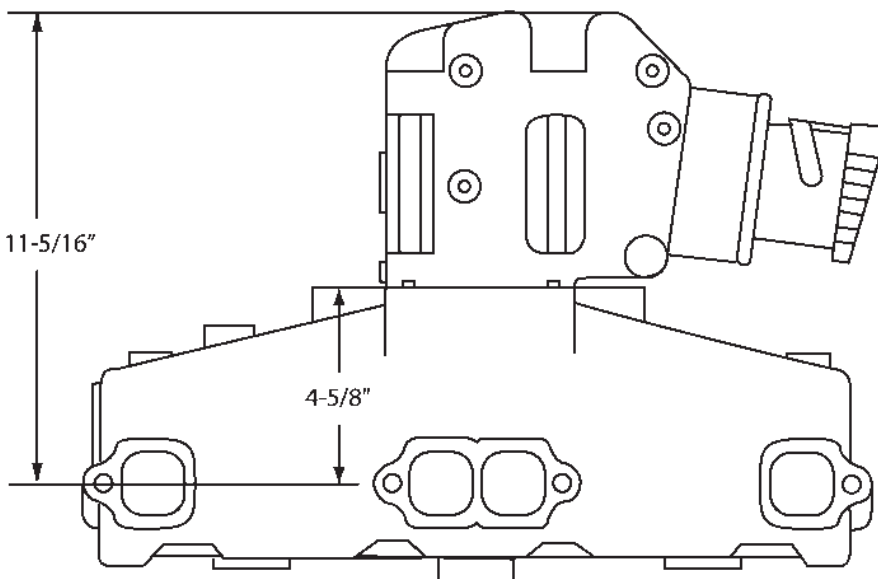
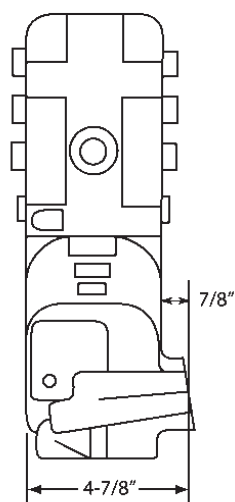
V8 S.B. w/ 4" Riser (1983 - 0M SN #'s)

No. 51140

EXHAUST ELBOW
OEM: 807988Q03

No. 51230

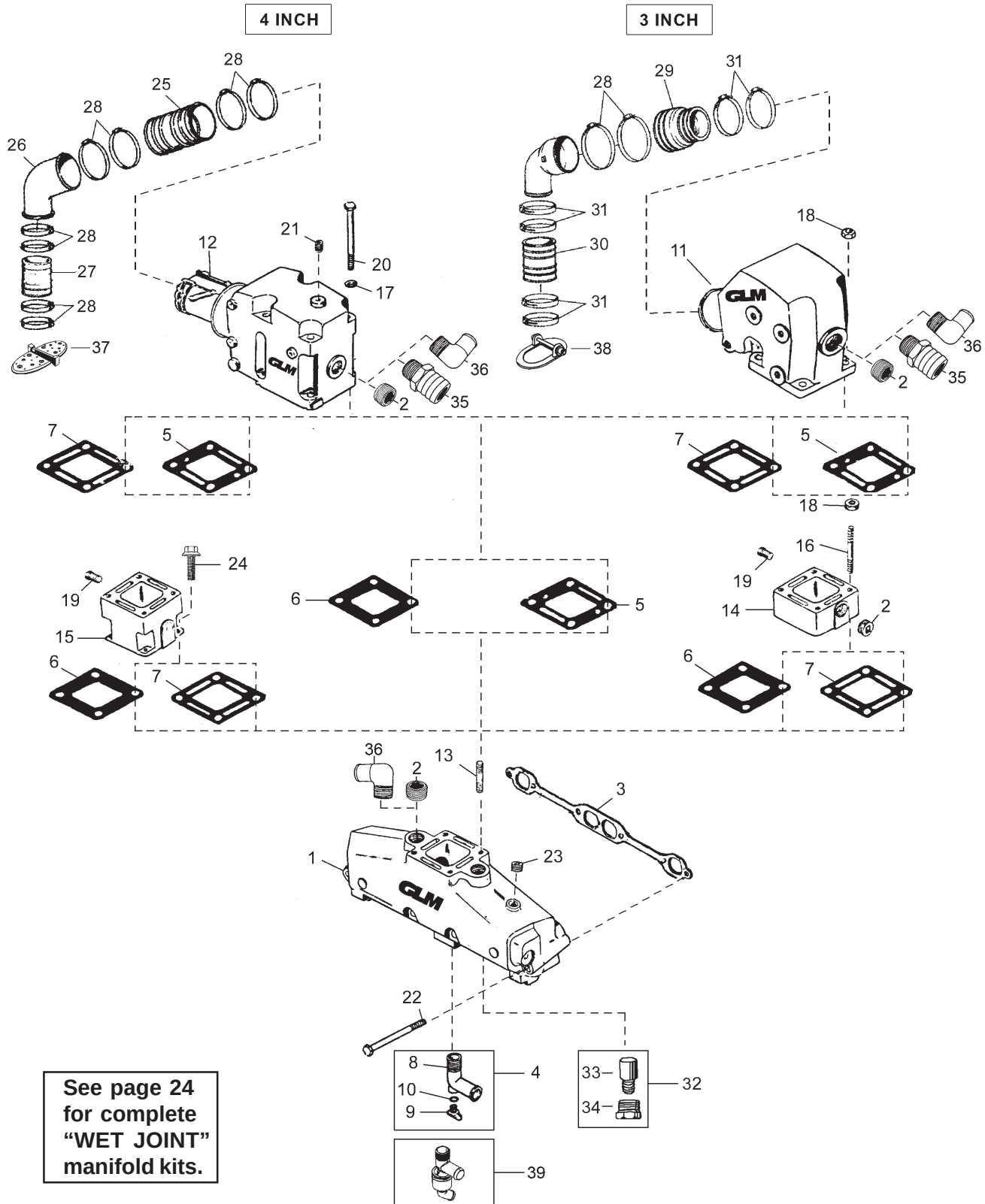
EXHAUST MANIFOLD
OEM: 860246A10



MerCruiser

WET JOINT

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



MerCruiser

MODEL 200-320, V8 S.B., GM 305/350/377 CID (1983 - 0M SN#'s)				WET JOINT
Ref No.	GLM No.	OEM No.	Description	Qty.
1	51230	860246Q11	Exhaust Manifold Assembly (Iron Casting)	1
2*	21892	22-41622	Plug 3/4-14 (Steel)	1
2	21896	-	Plug 3/4-14 (Brass)	1
3**	31100	27-33395	Gasket - Exhaust Manifold	1
4**	13990	22-806926A1	Hose Fitting with Drain Plug Kit Contents Ref 8, 9, 10	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	22-806926	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	N/A	Spacer 3" (Iron Casting)	1
15	50600	N/A	Spacer 6" (Iron Casting)	1
16	22474	16-8M0022137	Stud (3/8 X 9 1/2) Use with 4" Elbow	4
16	22481	16-97520	Stud (3/8 X 5) Use with 3" Elbow	4
17*	21493	13-35048	Lockwasher	4
18	21248	11-46335	Flange Serrated Nut	4
19	21893	22-32802-2	Plug	1
20*	22381	10-43749	Screw Steel Zinc Plated	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)	4
23**	21899	22-37372	Plug	1
24	22355	10-865982005	Screw	4
25	89120	32-4434001	Exhaust Bellow Upper 4" (Fits No. 51140)	1
26	50760	44267T	Elbow Tube	1
27	89130	32-14358T	Exhaust Bellow Lower 4" (Fits No. 51140)	1
28	01100	54-815504372	Hose Clamp	4
29	89070	70981A3	Exhaust Bellow Upper 3" (Fits No 51110)	1
30	89090	32-90949T	Exhaust Bellow Lower 3" (Fits No. 51110)	1
31	01056	54-815504456	Hose Clamp	4
32	12691	N/A	Aluminum Pencil Anode Kit	AR
33-	12692	N/A	Aluminum Anode	1
34-	21895	N/A	Plug	1
35	13984	22-8666725	Straight Fitting	AR
36	13960	N/A	Elbow Fitting	AR
37	89175	807166A1	Water Shutter	1
38	89160	99370A2	Water Shutter	1
39	13995	22-863786A1	Air Actuated Drain T-Fitting Assy (Coming Soon...)	1
* Included with Exhaust Elbow 51140				
** Included with Manifold 51230				
+ Included in Kit No. 13990				
- Included in Kit No. 12691			AR = As Required	

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

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

OEM: N/A

Log Style Manifolds to Center Rise Manifolds

*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°



*Manifold to engine screws NOT included. Re-use existing screws. You may need to purchase longer screws than original depending on your application.

(Must re-use original Y-pipe.)

No. 13960

OEM: N/A

ELBOW FITTING



*SOLD SEPARATELY

No. 74009

OEM: 93175T
ALTERNATOR
BRACKET

Included in GLM Kit No. 58990

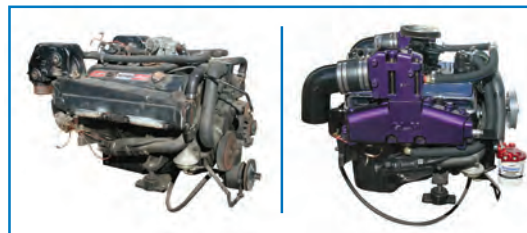
* ALSO AVAILABLE SEPARATELY



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



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



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



MerCruiser

V8 B.B. EXHAUST MANIFOLD DIMENSIONS

WET JOINT

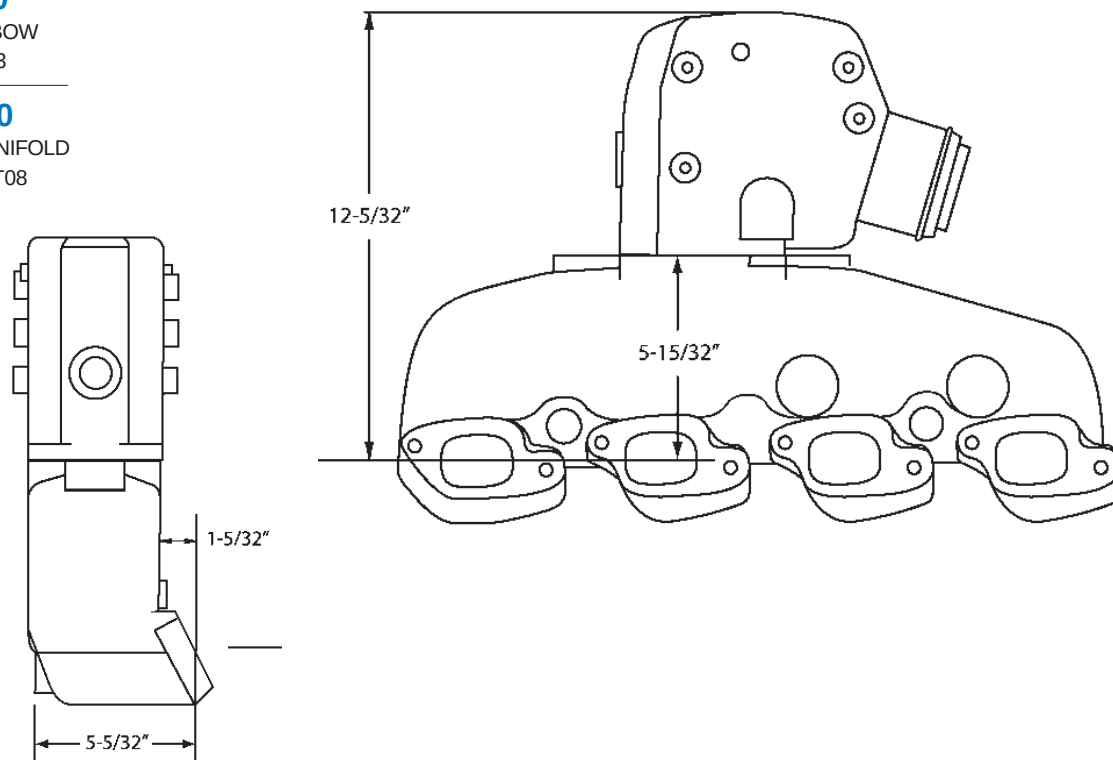
V8 B.B. w/ 3" Riser (1981 & Up)

No. 51110

EXHAUST ELBOW
OEM: 98504A3

No. 51240

EXHAUST MANIFOLD
OEM: 807078T08



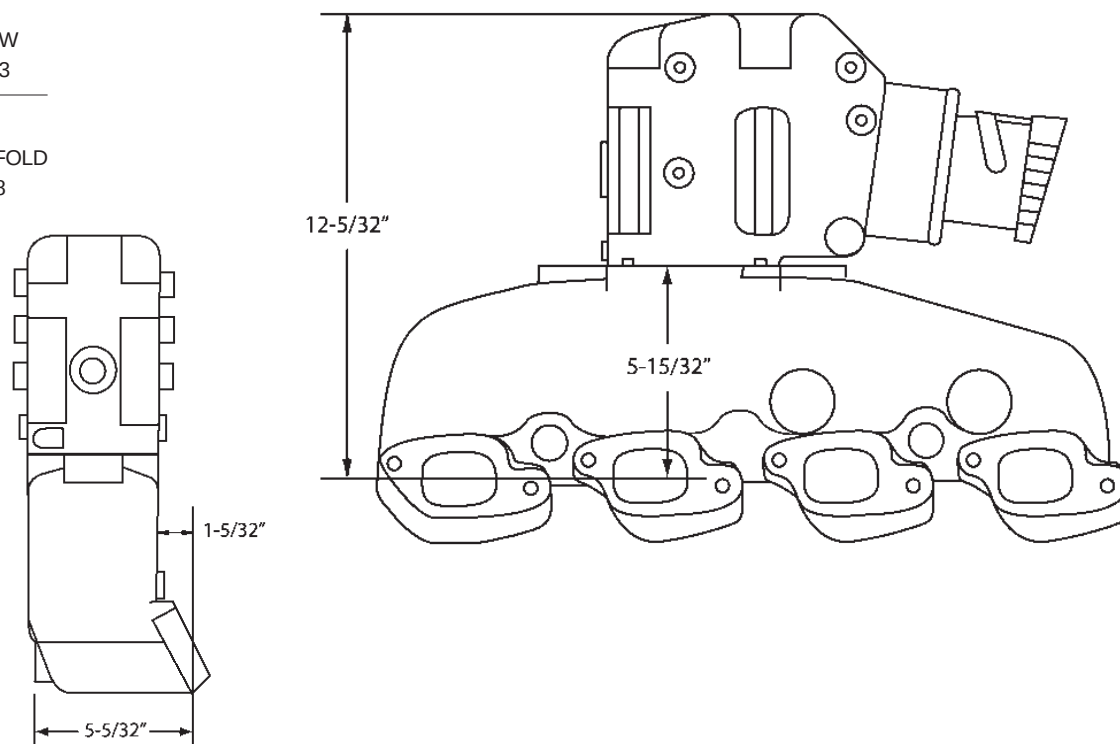
V8 B.B. w/ 4" Riser (1981 & Up)

No. 51140

EXHAUST ELBOW
OEM: 807988Q03

No. 51240

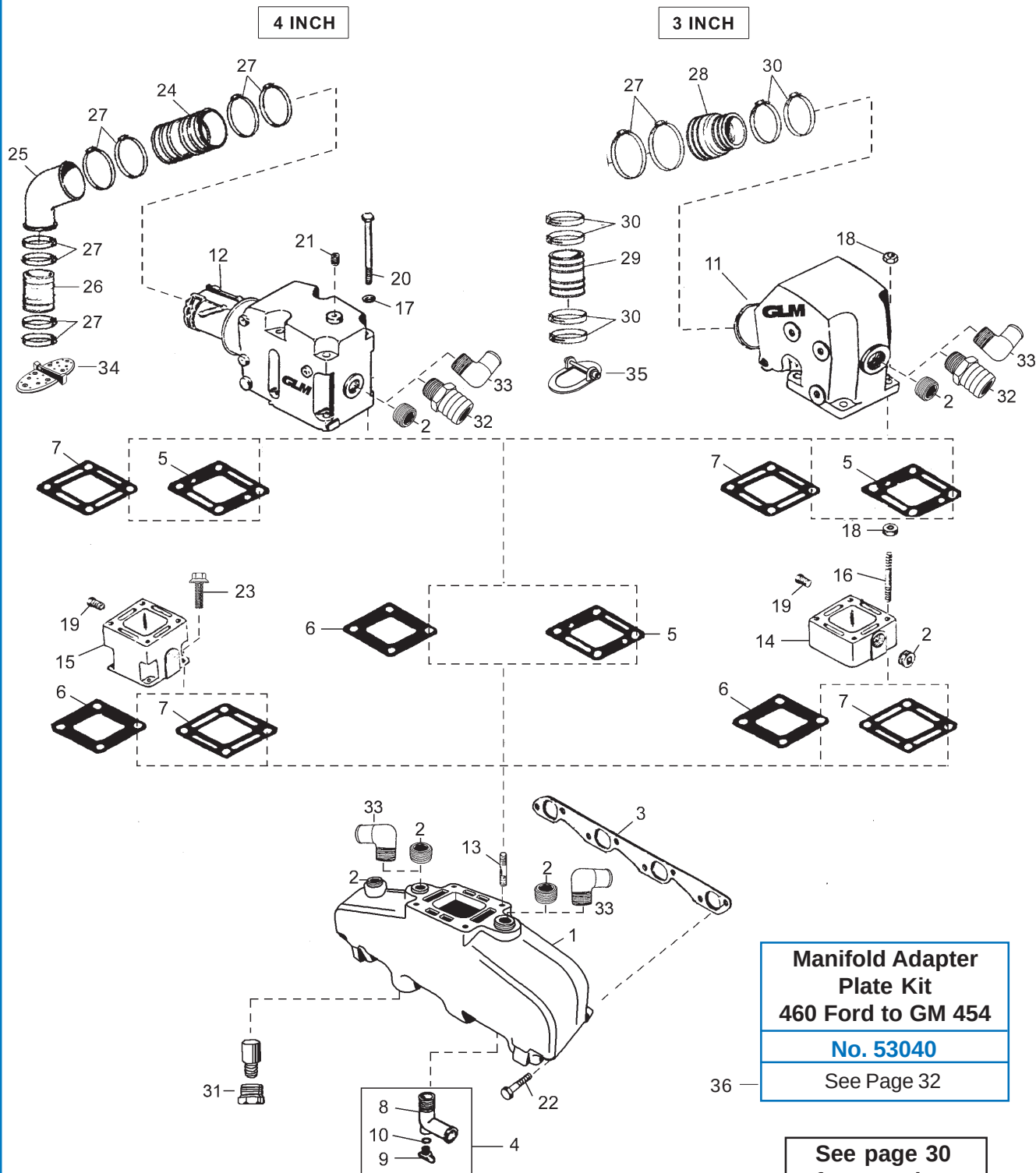
EXHAUST MANIFOLD
OEM: 807078T08



MerCruiser

WET JOINT

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



MerCruiser

MODEL 330-370, V8 B.B., GM 454/502 CID (1981 & UP)				WET JOINT
Ref No.	GLM No.	OEM No.	Description	Qty.
1	51240	807078T08	Exhaust Manifold Assembly (Iron Casting)	1
2*	21892	22-41622	Plug (Steel)	1
2	21896	22-428611	Plug (Brass)	1
3**	33760	27-46820	Gasket-Exhaust Manifold	1
4**	13990	22-806926A1	Hose Fitting with Drain Plug Kit. Contents Ref. 8,9,10	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	22-806926	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 3/8 X 1 3/4	4
14	50300	N/A	Spacer 3" (Iron Casting)	1
15	50600	N/A	Spacer 6" (Iron Casting)	1
16	22481	16-97520	Stud (3/8 X 5) Use With 3" Elbow	4
16	22474	16-8M0022137	Stud (3/8 X 9 1/2) Use With 4" Elbow	4
17*	21493	13-35048	Lockwasher	4
18	21248	11-46335	Flange Serrated Nut	4
19	21893	22-32802-2	Plug	1
20	22381	10-43749	Screw - Steel Zinc Plated	1
21*	21889	22-36392	Plug (Steel)	1
21	22379	22-73379	Plug (Brass)	1
22	21755	10-37612	Screw	8
23	22355	10-865982005	Screw	4
24	89120	32-4434001	Exhaust Bellow Upper 4" (Fits No. 51140)	1
25	50760	44267T	Elbow Tube	1
26	89130	32-14358T	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	21895	N/A	Plug	1
32	13984	22-866725	Straight Fitting	AR
33	13960	N/A	Elbow Fitting	AR
34	89175	807166A1	Water Shutter	1
35	89160	99370A2	Water Shutter	1
36	53040	N/A	Manifold Adapter Plate Kit for Ford 460 to GM 454	1

MerCruiser

WET JOINT

COMPLETE EXHAUST MANIFOLD KITS - GM V8 B.B.

3 Inch Elbow Kit w/out Spacer

No. 58241

OEM: N/A

No. 51110 Elbows
No. 51240 Manifolds



4 Inch Elbow Kit w/out Spacer

No. 58242

OEM: N/A

No. 51140 Elbows
No. 51240 Manifolds



3 Inch Elbow Kit w/ 3 Inch Spacer

No. 58243

OEM: N/A

No. 51110 Elbows
No. 51240 Manifolds
No. 50300 Spacers



4 Inch Elbow Kit w/ 3 Inch Spacer

No. 58244

OEM: N/A

No. 51140 Elbows
No. 51240 Manifolds
No. 50300 Spacers



3 Inch Elbow Kit w/ 6 Inch Spacer

No. 58245

OEM: N/A

No. 51110 Elbows
No. 51240 Manifolds
No. 50600 Spacers

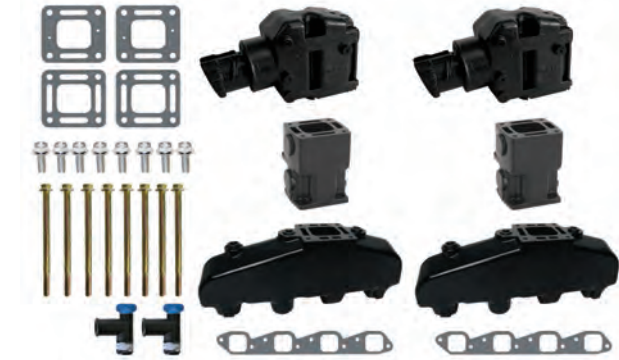


4 Inch Elbow Kit w/ 6 Inch Spacer

No. 58246

OEM: N/A

No. 51140 Elbows
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	6" Spacer - Standard Cooling	
No. 50300 3" SPACER - CAST IRON OEM: N/A 	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

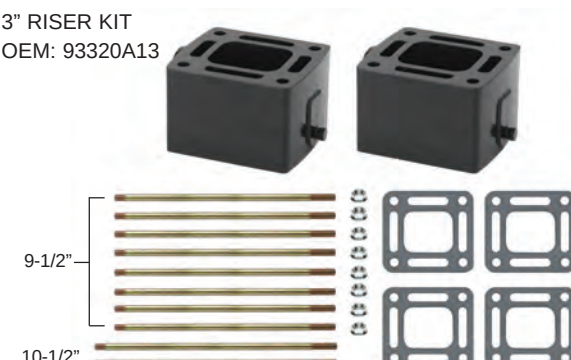
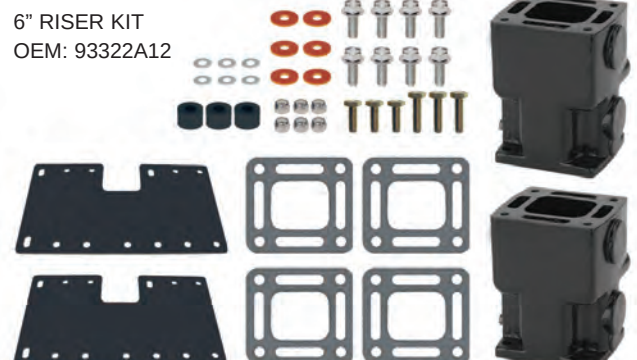
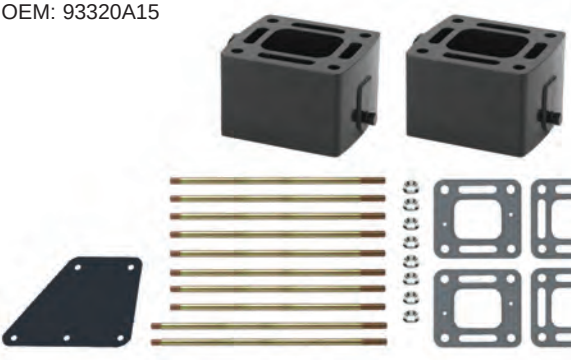
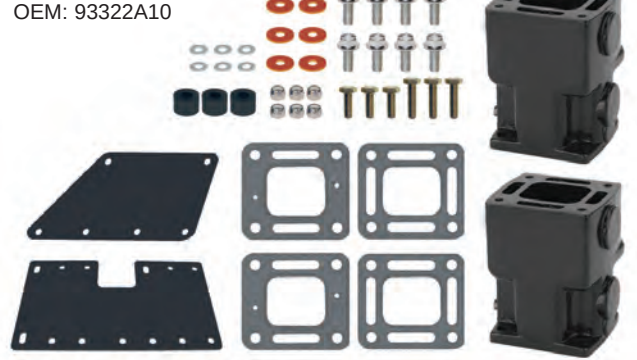
OEM: N/A
460 ADAPTER
PLATES



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	6" Spacer Kits - Standard Cooling	
No. 50310 3" RISER KIT OEM: 93320A13  Fits: MCM V6 & TBI engines w/ 2-piece exhaust manifolds (OM614999 & below), MCM/MIE/Ski V8 (305, 350, 377, 454 & 502 CID) engines w/ cast iron elbows (OM299999 & below), MCM V8 (305 & 350 CID) carb. engines (OM300000-OM599999), MIE & Ski carb. engines (OM300000-OM316999).	No. 50610 6" RISER KIT OEM: 93322A12  Fits: MCM V6 & TBI engines w/ 2-piece exhaust manifolds (OM614999 & below), MCM/MIE/Ski V8 (305, 350, 377, 454 & 502 CID) engines with cast iron elbows (OM299999 & below), MCM V8 (305, 350 CID) carb. engines (OM300000-OM599999), MIE & Ski carb. engines (OM300000-OM316999).	
No. 50320 3" RISER KIT OEM: 93320A15  Fits: 2001-02 MCM 4.3L MPI (OM300000-OM614999), 2001-02 MCM V8 (305, 350 & 377 CID) MPI engine (OM300000-OM599999), 2001-02 MIE & Ski V8 (350 & 377 CID) MPI engines (OM300000-OM316999). Fits only the above engines with cast iron elbows.	No. 50620 6" RISER KIT OEM: 93322A10  Fits: 2001-02 MCM 4.3L (OM300000-OM314999), 2001-02 MCM V8 (305, 350 & 377 CID) MPI engine (OM300000-OM599999), 2001-02 MIE & Ski V8 (350 & 377 CID) MPI engines (OM300000-OM316999).	
3" Spacer - Standard Cooling	6" Spacer - Standard Cooling	
No. 50300 3" SPACER - CAST IRON OEM: N/A 	No. 50600 6" SPACER - CAST IRON OEM: N/A 	

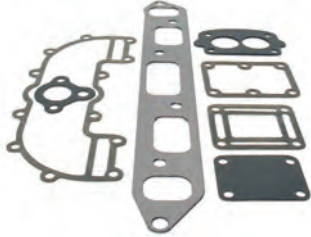
MerCruiser

WET JOINT

EXHAUST GASKET SETS

No. 39290

OEM: 27-35898A4

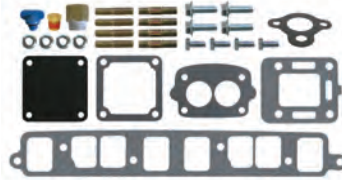


GM 153 CID (2.5L) 120 HP

No. 39300

OEM: 27-53354A1

Without Hardware



GM 181 CID (3.0L) 140 HP

No. 53930

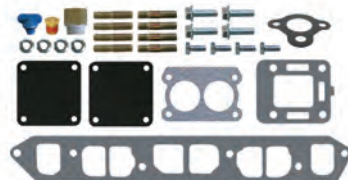
OEM: N/A

With Hardware

No. 39320

OEM: 27-99777A1

Without Hardware



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

No. 53932

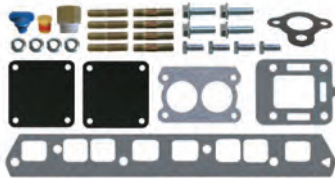
OEM: N/A

With Hardware

No. 39271

OEM: N/A

Without Hardware



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

No. 53271

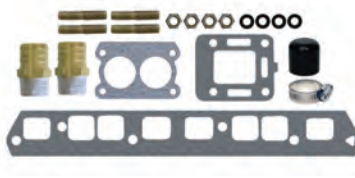
OEM: N/A

With Hardware

No. 39950

OEM: N/A

Without Hardware



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

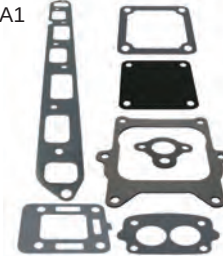
No. 53950

OEM: N/A

With Hardware

No. 39270

OEM: 27-46401A1

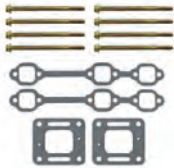


GM 250/292 CID Inline 6-Cyl.

No. 39870

OEM: N/A

Without Hardware



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

No. 53870

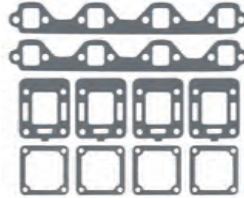
OEM: N/A

With Hardware

No. 39310

OEM: 27-54566A1

Fits Log Style Manifold

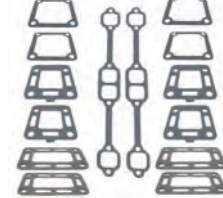


Ford 302/351 CID (5.0/5.8L)

No. 39280

OEM: 27-33395A2

Fits Log Style Manifold

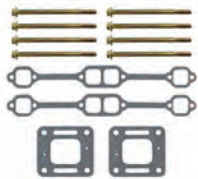


GM 305/350 CID (5.0/5.0L) 198-270 HP

No. 39880

OEM: N/A

Without Hardware



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

No. 53880

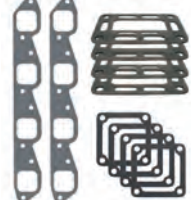
OEM: N/A

With Hardware

No. 39120

OEM: 27-46820A1

Fits Log Style Manifold

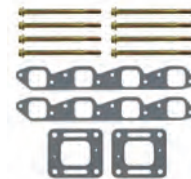


GM 427/454/482 CID

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

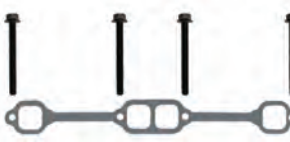
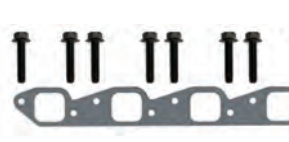
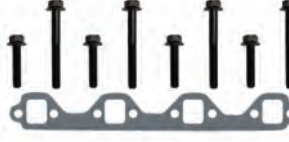
PLATE KIT

OEM: N/A



Ford 460 to GM 454

MerCruiser

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

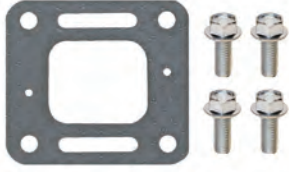
MerCruiser

WET JOINT

EXHAUST ELBOW MOUNTING KITS

No. 53300

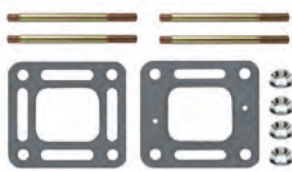
OEM: N/A
3 Inch Riser without Spacer



Raw Water Cooling

No. 53330

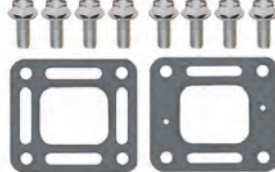
OEM: N/A
3 Inch Riser with 3 Inch Spacer



Raw Water Cooling

No. 53360

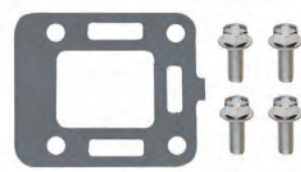
OEM: N/A
3 Inch Riser with 6 Inch Spacer



Raw Water Cooling

No. 53100

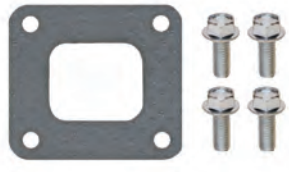
OEM: N/A



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

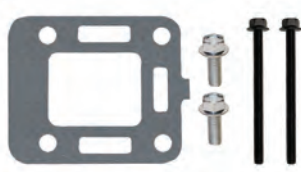
OEM: N/A
3 Inch Riser with 6 Inch Spacer



Fresh Water Cooling

No. 53110

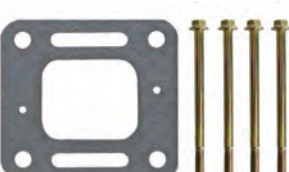
OEM: N/A



2.5/3.0L, 4-Cyl.

No. 53400

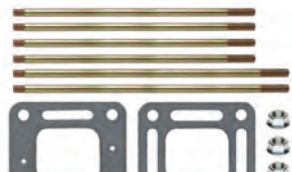
OEM: N/A
4 Inch Riser without Spacer



Raw Water Cooling

No. 53430

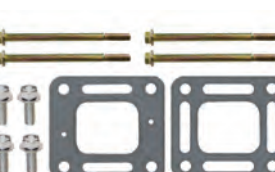
OEM: N/A
4 Inch Riser with 3 Inch Spacer



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

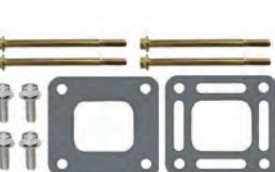
OEM: N/A
4 Inch Riser with 3 Inch Spacer



Fresh Water Cooling

No. 53461

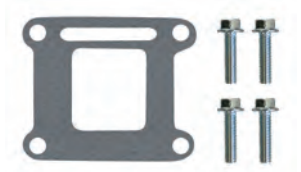
OEM: N/A
4 Inch Riser with 6 Inch Spacer



Fresh Water Cooling

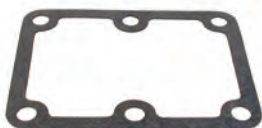
No. 53130

OEM: N/A



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

MerCruiser

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

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

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
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
4.3LX (Gen +) (2bbl.) 262/V6	1996-01	0F803800-0K999999	51220	51220	51140	N/A	N/A	32170	32080
4.3LX (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	3385721-4166999	-	-	-	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

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MANIFOLD APPLICATIONS FOR MERCRUISER

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
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
5.7 EFI (Gen +) 350/V8	1998-01	0L010035 & Up	51230	51230	51140	N/A	N/A	31100	32080



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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 62.L 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

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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
7.4L MPI MIE 454/V8	1995-01	0F563052 & Up	51240	-	51140	N/A	N/A	33760	30240
7.4LX Bravo EFI 454/V8	1996-97	0F820000-0K999999	51240	-	51140	N/A	N/A	33760	30240
7.4LX Bravo MPI 454/V8	1996-97	0F602010-0K999999	51240	-	51140	N/A	N/A	33760	30240
390 MCM/MIE 482/V8	1969-70	2781129-3042731	-	-	-	51030	51030	33760	31480
465 502/V8	1990-94	0C849992-0F213244	-	-	-	N/A	N/A	33760	-
500 Bravo 502/V8	1994-98	0F213293-0L001772	-	-	-	N/A	N/A	33760	-
500 (Gen +) 502/V8	1999-00	0L414639-	-	-	-	N/A	N/A	33760	-
502 Mag Bravo 502/V8	1990-93	0C878221-0F114528	51240	51240	51140	N/A	N/A	33760	30240
502 Mag EFI 502/V8	1993-95	0D840650-0F802599	51240	51240	51140	N/A	N/A	33760	30240
502 Mag MPI 502/V8	1996-01	0F802600 & Up	51240	51240	51140	N/A	N/A	33760	30240
600 SC 502/V8	1991-96	0D456489-0F877642	-	-	N/A	N/A	N/A	33760	-
600 SC 502/V8	1997-97	0K000227 & Up	-	-	N/A	N/A	N/A	-	N/A
8.2L MIE 502/V8	1990-96	0C878221-0F819619	51240	51240	51140	N/A	N/A	33760	30240
8.2L MPI MIE 502/V8	1996-01	0F819620 & Up	51240	51240	51140	N/A	N/A	33760	30240
500 Bulldog w/ Bravo 540/V8	1990-98	0C577254-0L001607	-	-	-	N/A	N/A	33760	-
500 Bulldog w/ Bravo 540/V8	1990-98	0C577254-0L001607	-	-	-	N/A	N/A	33760	-
500 Bulldog w/ Bravo 540/V8	1990-98	0C577254-0L001607	-	-	-	N/A	N/A	33760	-
500 Bulldog w/ Bravo 540/V8	1999-00	0L414620-	-	-	-	N/A	N/A	33760	-
500 Bulldog w/ SSM 540/V8	1990-00	0C577254 & Up	-	-	-	N/A	N/A	33760	-
800 SC 572/V8	1993-96	0D763836 & Up	-	-	-	N/A	N/A	-	-

AIR ACTUATED DRAIN T-FITTING ASSEMBLIES (COMING SOON...)

No. 13995

DRAINT-FITTING
OEM: 22-863786A1
(2000-2005)



Coming Soon...

No. 13996

DRAINT-FITTING
OEM: 8M0095953
(1998-2020)



Coming Soon...

AIR ACTUATED DRAIN T-FITTING APPLICATIONS FOR NO. 13995

Model	Serial No. Range	GLM No.	Model	Serial No. Range	GLM No.
350 MAG MPI SKI	0M300000 - 0M316999	13995	350 MAG MPI MIE	0M310000 - 0M316999	13995
350 MAG MPI SKI	0M317000 - 0W689999	13995	350 MAG MPI MIE	0M317000 - 0M398371	13995
350 MAG MPI SKI	0W690000 - 1A089999	13995	350 MAG MPI MIE	0M398372 - 0W389999	13995
5.7L MPI SKI	1A090000 & Up	13995	350 MAG MPI MIE	0W390000 - 0W689999	13995
5.7L MPI TOWSPORT WITH GEN II	1A091881 & Up	13995	350 MAG MPI MIE	0W690000 - 1A089999	13995
5.7L SKI EC	1A090000 & Up	13995	5.7L MPI HORIZON MIE	1A090000 - 1A092168	13995
BLACK SCORPION 350 MAG MPI	0M391600 - 0W689999	13995	5.7L MPI HORIZON MIE	1A092169 & Up	13995
BLACK SCORPION 350 MAG MPI	0W690000 - 0W698432	13995	5.7L MPI MIE	1A090000 - 1A092168	13995
BLACK SCORPION MX 6.2L MPI	0M391750 - 0W689999	13995	5.7L MPI MIE	1A092169 & Up	13995
BLACK SCORPION MX 6.2L MPI	0W690000 - 0W698432	13995	5.7L MPI MIE EC	1A090000 - 1A092168	13995
MX 6.2L MPI SKI	0M317000 - 0W689999	13995	5.7L MPI MIE EC	1A092169 & Up	13995
SCORPION 350 EC	0W698433 & Up	13995	6.2L MPI HORIZON MIE	1A090000 - 1A092168	13995
SCORPION 377 HO EC	1A091488 - 1A092170	13995	6.2L MPI HORIZON MIE	1A092169 & Up	13995
4.3L MPI ALPHA/BRAVO	0M615000 - 0W309999	13995	6.2L MPI MIE	1A090000 - 1A092168	13995
4.3L MPI ALPHA/BRAVO	0W310000 - 0W649999	13995	6.2L MPI MIE	1A092169 & Up	13995
4.3L MPI ALPHA/BRAVO	0W650000 - 0W658582	13995	6.2L MPI MIE EC	1A091600 - 1A092168	13995
4.3L MPI ALPHA/BRAVO	0W658583 - 0W658583	13995	6.2L MPI MIE EC	1A092169 & Up	13995
4.3L MPI ALPHA/BRAVO	0W658584 - 1A030367	13995	MX 6.2L MPI HORIZON MIE	0M310000 - 0M316999	13995
4.3L MPI ALPHA/BRAVO	1A030368 - 1A030369	13995	MX 6.2L MPI HORIZON MIE	0M317000 - 0M398394	13995
4.3L MPI ALPHA/BRAVO	1A030370 - 1A063239	13995	MX 6.2L MPI HORIZON MIE	0M398395 - 0W389999	13995
4.3L MPI ALPHA/BRAVO	1A063240 & Up	13995	MX 6.2L MPI HORIZON MIE	0W390000 - 0W689999	13995
4.3L MPI ALPHA/BRAVO	0M300000 - 0M614999	13995	MX 6.2L MPI HORIZON MIE	0W690000 - 1A089999	13995
4.3L MPI ALPHA/BRAVO EC	1A637496 & Up	13995	MX 6.2L MPI MIE	0M310000 - 0M316999	13995
350 MAG MPI HORIZON MIE	0M310000 - 0M316999	13995	MX 6.2L MPI MIE	0M317000 - 0M398394	13995
350 MAG MPI HORIZON MIE	0M317000 - 0M398371	13995	MX 6.2L MPI MIE	0M398395 - 0W389999	13995
350 MAG MPI HORIZON MIE	0M398372 - 0W389999	13995	MX 6.2L MPI MIE	0W390000 - 0W689999	13995
350 MAG MPI HORIZON MIE	0W390000 - 0W689999	13995	MX 6.2L MPI MIE	0W690000 - 1A089999	13995
350 MAG MPI HORIZON MIE	0W690000 - 1A089999	13995	350 MAG MPI ALPHA/BRAVO	1A623185 & Up	13995



MerCruiser

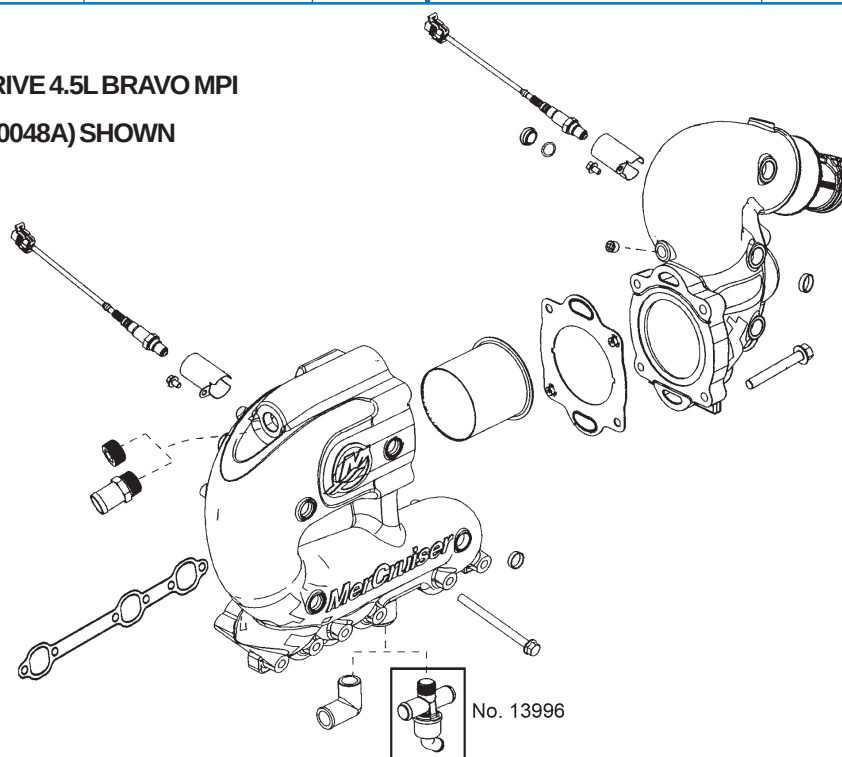
AIR ACTUATED DRAIN T-FITTING APPLICATIONS FOR NO. 13995 CONT...

Model	Serial No. Range	GLM No.	Model	Serial No. Range	GLM No.
350 MAG MPI ALPHA/BRAVO	1A300000 - 1A611927	13995	5.0L MPI ALPHA/BRAVO	1A611928 - 1A623184	13995
350 MAG MPI ALPHA/BRAVO	1A611928 - 1A623184	13995	5.0L MPI ALPHA/BRAVO	0M300000 - 0M599999	13995
350 MAG MPI ALPHA/BRAVO	0M300000 - 0M599999	13995	5.0L MPI ALPHA/BRAVO	0M600000 - 0W059999	13995
350 MAG MPI ALPHA/BRAVO	0M600000 - 0W059999	13995	5.0L MPI ALPHA/BRAVO	0W310000 - 0W649999	13995
350 MAG MPI ALPHA/BRAVO	0W310000 - 0W649999	13995	5.0L MPI ALPHA/BRAVO	0W650000 - 1A299999	13995
350 MAG MPI ALPHA/BRAVO	0W650000 - 1A299999	13995	5.0L MPI ALPHA/BRAVO	0W060000 - 0W309999	13995
350 MAG MPI ALPHA/BRAVO	0W060000 - 0W309999	13995	5.0L MPI ALPHA/BRAVO EC	1A623185 & Up	13995
350 MAG MPI ALPHA/BRAVO EC	1A623185 & Up	13995	5.0L MPI ALPHA/BRAVO EC	1A300000 - 1A611927	13995
350 MAG MPI ALPHA/BRAVO EC	1A300000 - 1A611927	13995	5.0L MPI ALPHA/BRAVO EC	1A611928 - 1A623184	13995
350 MAG MPI ALPHA/BRAVO EC	1A611928 - 1A623184	13995	MX 6.2L MPI BRAVO	0M300000 - 0M599999	13995
350 MAG MPI HORIZON ALPHA/BRAVO	0M300000 - 0M599999	13995	MX 6.2L MPI BRAVO	0M600000 - 0W059999	13995
350 MAG MPI HORIZON ALPHA/BRAVO	0M600000 - 0W059999	13995	MX 6.2L MPI BRAVO	0W310000 - 0W649999	13995
350 MAG MPI HORIZON ALPHA/BRAVO	0W310000 - 0W649999	13995	MX 6.2L MPI BRAVO	0W650000 - 1A299999	13995
350 MAG MPI HORIZON ALPHA/BRAVO	0W650000 - 1A299999	13995	MX 6.2L MPI BRAVO	0W060000 - 0W309999	13995
350 MAG MPI HORIZON ALPHA/BRAVO	0W060000 - 0W309999	13995	MX 6.2L MPI HORIZON BRAVO	0M300000 - 0M599999	13995
350 MAG MPI HORIZON ALPHA/BRAVO EC	1A623185 & Up	13995	MX 6.2L MPI HORIZON BRAVO	0M600000 - 0W059999	13995
350 MAG MPI HORIZON ALPHA/BRAVO EC	1A300000 - 1A611927	13995	MX 6.2L MPI HORIZON BRAVO	0W310000 - 0W649999	13995
350 MAG MPI HORIZON ALPHA/BRAVO EC	1A611928 - 1A623184	13995	MX 6.2L MPI HORIZON BRAVO	0W650000 - 1A299999	13995
377 MAG MPI BRAVO	1A623185 & Up	13995	MX 6.2L MPI HORIZON BRAVO	0W060000 - 0W309999	13995
377 MAG MPI BRAVO	1A300000 - 1A611927	13995	350 MPI ALPHA	1G400000 & Up	13995
377 MAG MPI BRAVO	1A611928 - 1A623184	13995	357 ALPHA 4V	1G400000 & Up	13995
377 MAG MPI BRAVO EC	1A623185 & Up	13995	357 MAG BRAVO 4V	1G400000 & Up	13995
377 MAG MPI BRAVO EC	1A343300 - 1A611927	13995	383 MAG BRAVO 4V	1G480748 & Up	13995
377 MAG MPI BRAVO EC	1A611928 - 1A623184	13995	383 MAG STROKER	1G400000 & Up	13995
5.0L MPI ALPHA/BRAVO	1A623185 & Up	13995	383 MAG STROKER BRAVO	1G400000 & Up	13995
5.0L MPI ALPHA/BRAVO	1A300000 - 1A611927	13995	383 MAG STROKER INBOARD	1G300000 & Up	13995

2014 STERNDRIIVE 4.5L BRAVO MPI

(S/N 40450048A) SHOWN

Coming Soon...

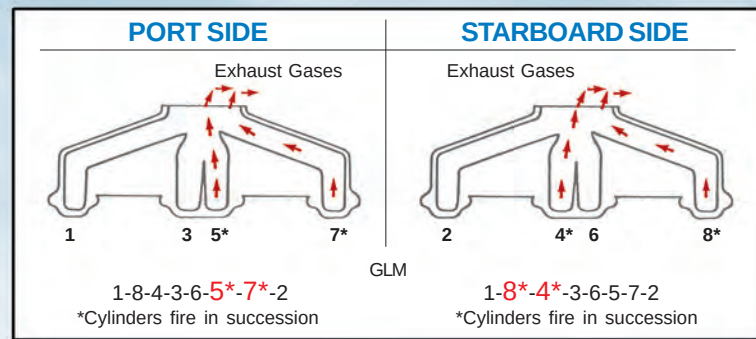
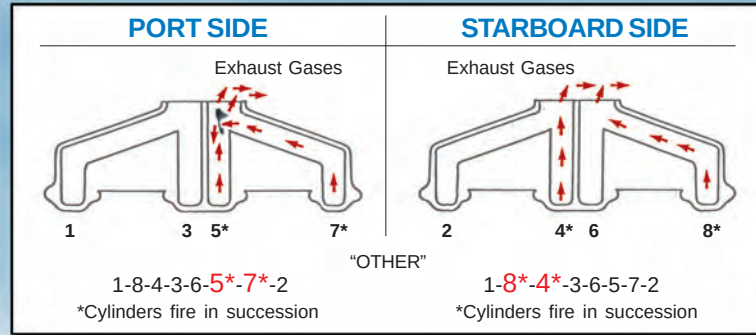
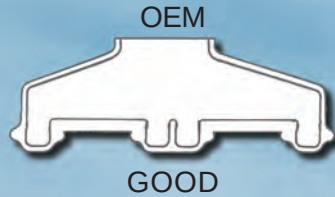


AIR ACTUATED DRAIN T-FITTING APPLICATIONS FOR NO. 13996

Make	Model	GLM No.	Make	Model	GLM No.
MERCRUISER STERNDRIIVE 4.5L	ALPHA MPI	13996	MERCRUISER STERNDRIIVE 6.2L	MPI (EC) JET 370	13996
MERCRUISER STERNDRIIVE 4.5L	BRAVO DTS MPI	13996	MERCRUISER STERNDRIIVE 6.2L	MPI MIE (EC) 300/350	13996
MERCRUISER STERNDRIIVE 4.5L	BRAVO MPI	13996	MERCRUISER STERNDRIIVE 6.2L	MPI TOW 320/370	13996
MERCRUISER STERNDRIIVE 6.2L	MPI (EC) 320/370	13996	MERCRUISER STERNDRIIVE 6.2L	MPI (EC) 300/350	13996

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

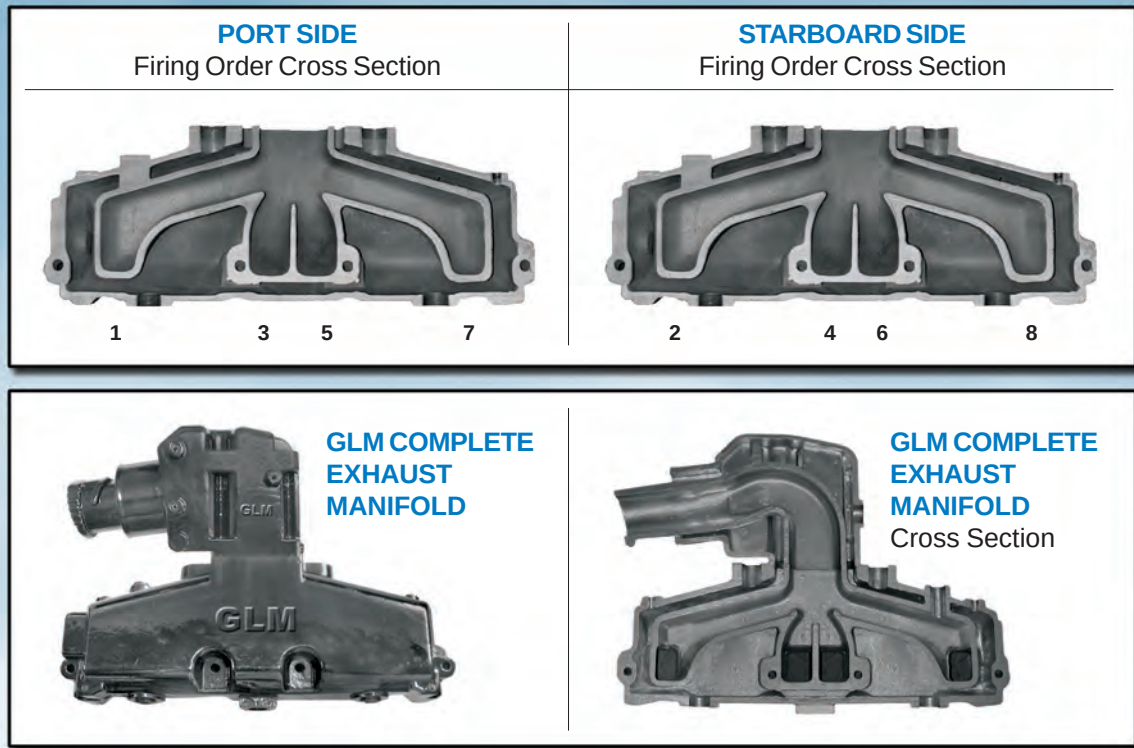
All V8 engines have a firing order that fires two cylinders within 90 degrees of each other on the same bank of cylinders. With a firing order of 1-8-4-3-6-5-7-2, we have #8 and #4 firing on the starboard side of the engine within 90 degrees of crankshaft rotation. On the port side, we have #5 and #7 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.

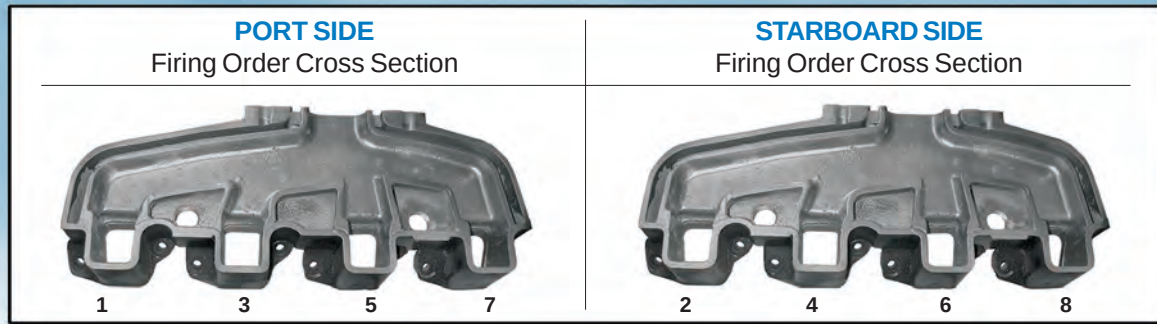
Dividing the port manifold into a front half and a back half groups cylinders #1 and #3 together (which is okay), but groups #5 and #7 together (which is definitely not okay). This is exactly what we are trying to prevent! The correct way to build the port side manifold is to isolate the exhaust gases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

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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

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

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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.

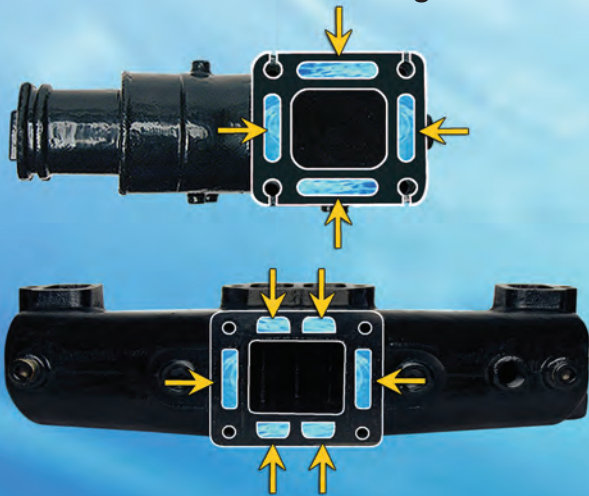
From 1983 to 2002 Mercruiser used an *internal* method of transferring water from the manifold to the elbow. This is called the “Wet Joint” exhaust system. In this system the water jackets are casted directly into the elbow.

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



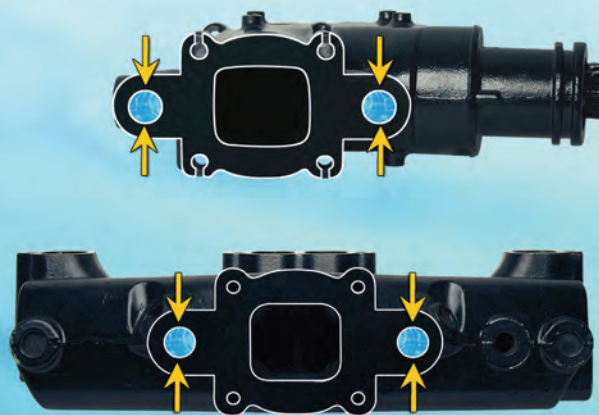
Elbow used with Wet Joint Manifolds 1987-2002

- 4" Hose
- 7° Angle
- 6.72" Tall



DRY JOINT (2002-2010)

External Water Passages



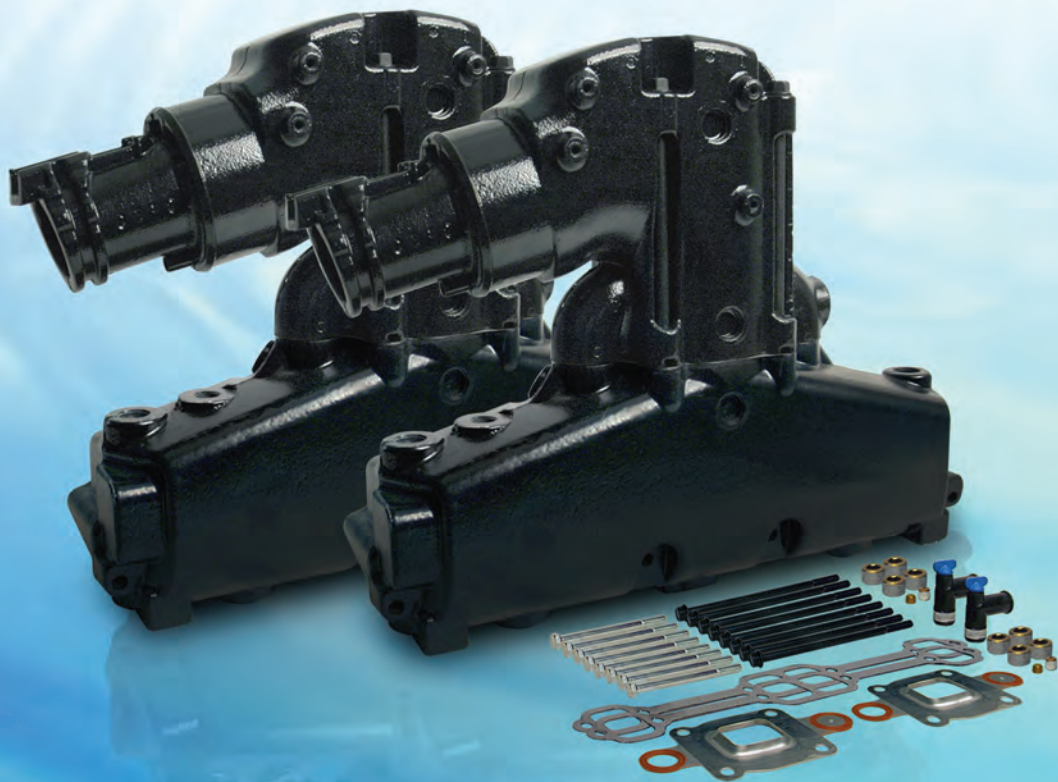
Elbow used with Dry Joint Manifolds 2002-2010

- 4" Hose
- 7° Angle
- 6.72" Tall



DRY JOINT

**MANIFOLDS & ELBOWS
with
External Water Passages**



MerCruiser

DRY JOINT - 7°

V6 DRY JOINT EXHAUST MANIFOLD DIMENSIONS

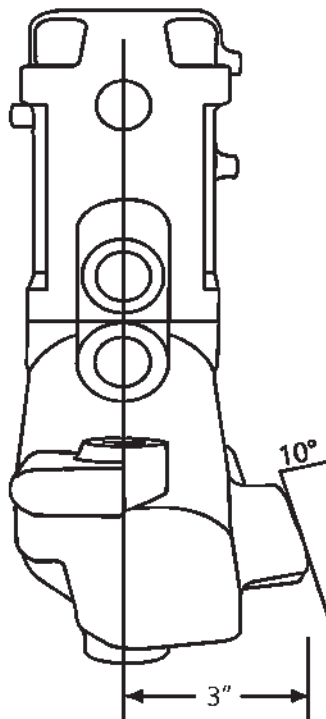
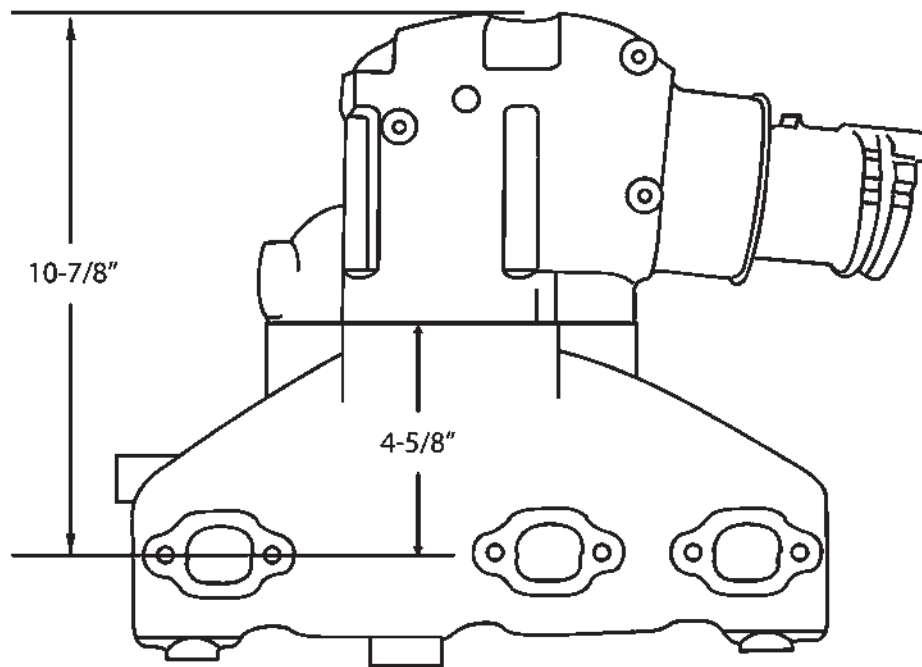
V6 Dry Joint (2002-2004)

No. 51146

7° EXHAUST ELBOW/RISER
OEM: 864309T02

No. 51227

EXHAUST MANIFOLD
OEM: 864612T01



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V8 S.B. DRY JOINT EXHAUST MANIFOLD DIMENSIONS

DRY JOINT - 7°

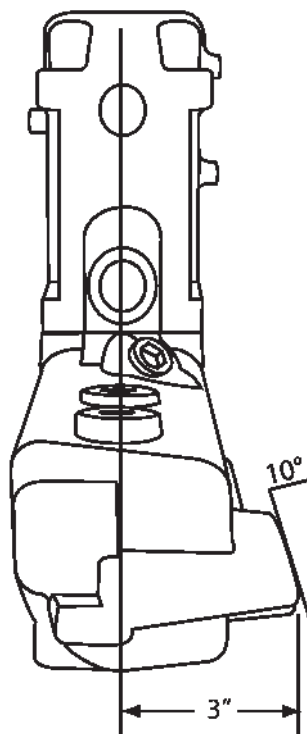
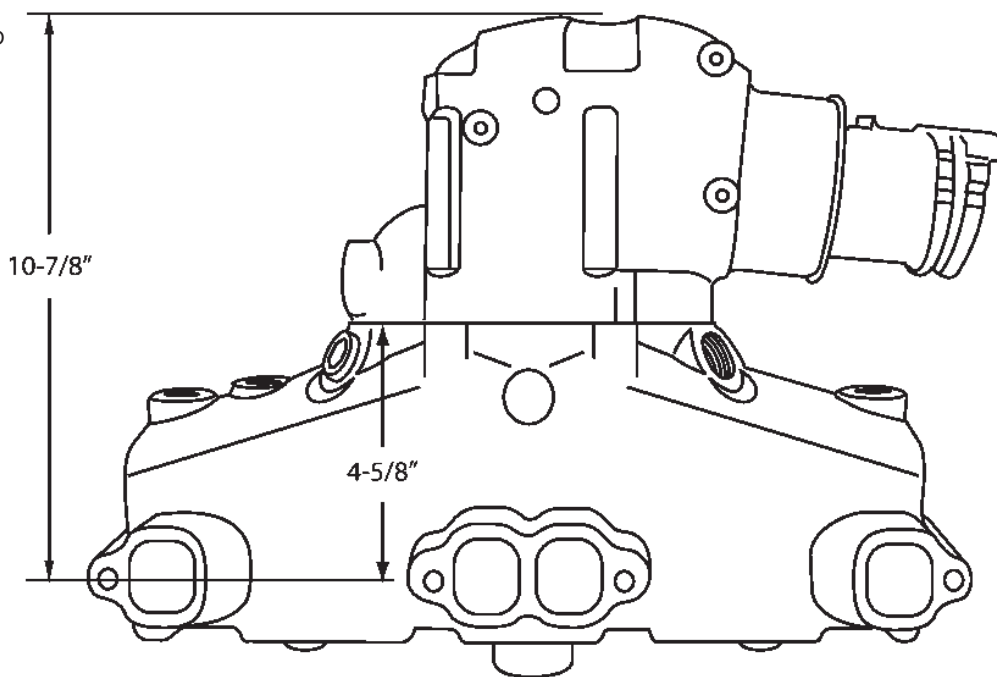
V8 S.B. Dry Joint (2002-2004)

No. 51146

7° EXHAUST ELBOW/RISER
OEM: 864309T02

No. 51237

EXHAUST MANIFOLD
OEM: 865735A02



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DRY JOINT - 7°

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

**Complete Exhaust
Manifold Kit - V6**

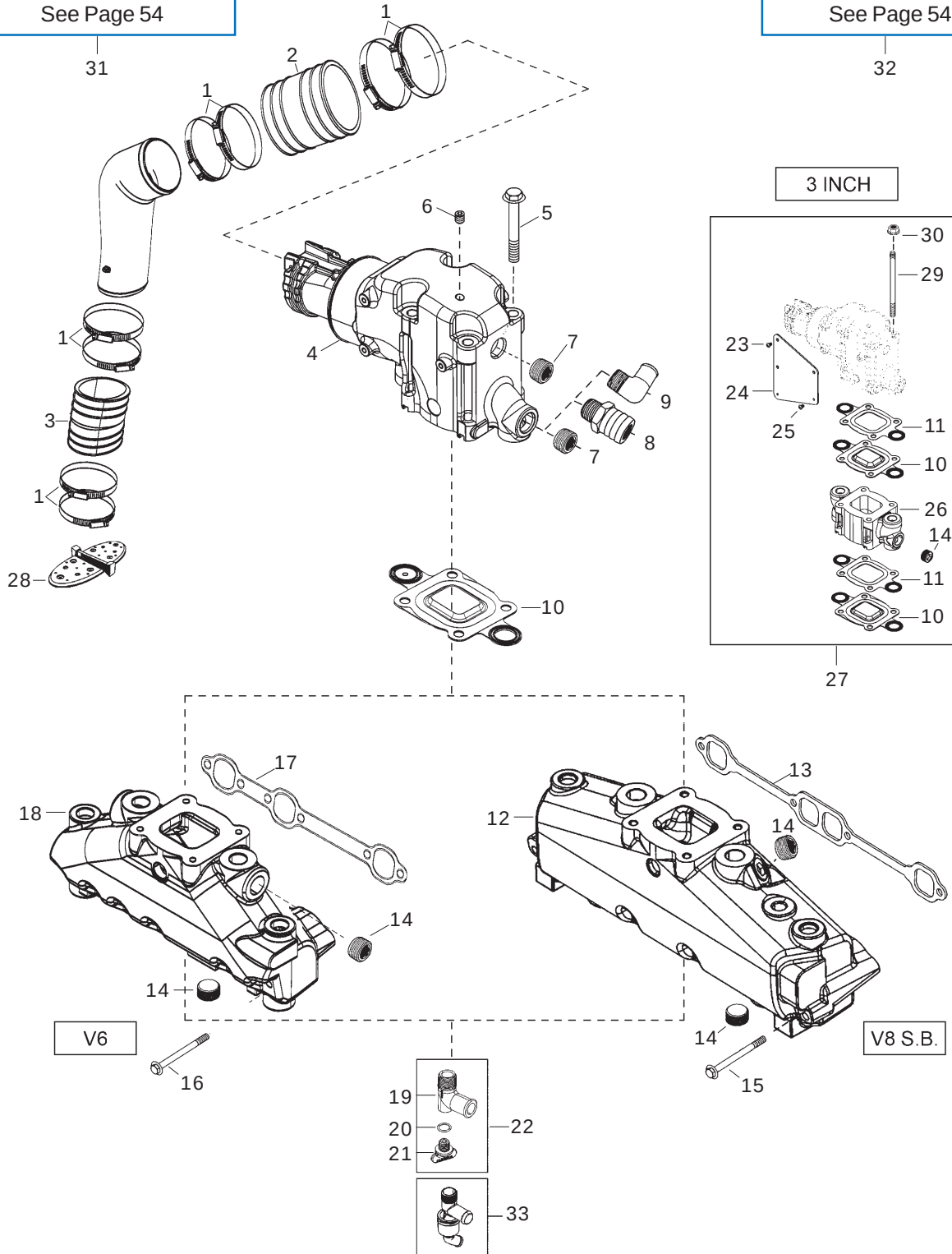
No. 58228

See Page 54

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

No. 58238

See Page 54



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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.
No. 58228 No. 51146 Elbows 7° OEM: N/A No. 51227 Manifolds - V6  Comes with Dry Joint "Restrictor" Gaskets No. 37900	No. 58238 No. 51146 Elbows 7° OEM: N/A No. 51237 Manifolds - V8 S.B.  Comes with Dry Joint "Restrictor" Gaskets No. 37900

DRY JOINT - 7°

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

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

DRY JOINT - 7°

SPACER KITS - 3"

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

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

DRY JOINT - 14°

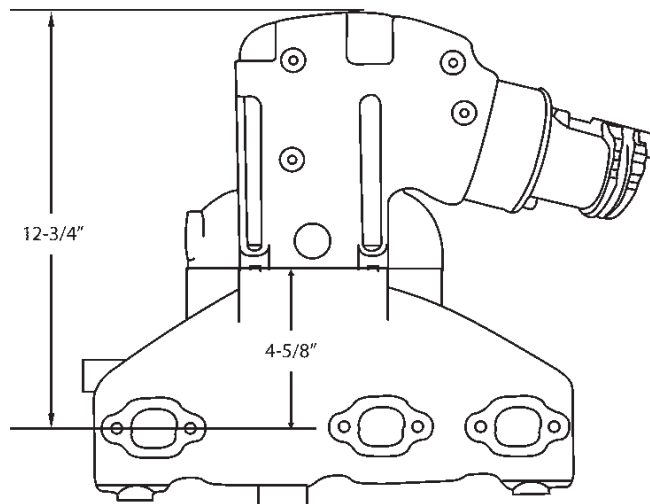
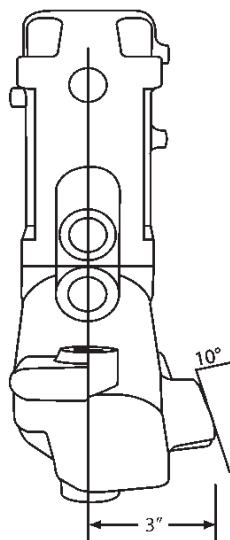
V6 Dry Joint (2005-2010)

No. 51147

14° EXHAUST ELBOW/RISER
OEM: 864591T02

No. 51227

EXHAUST MANIFOLD
OEM: 864612T01



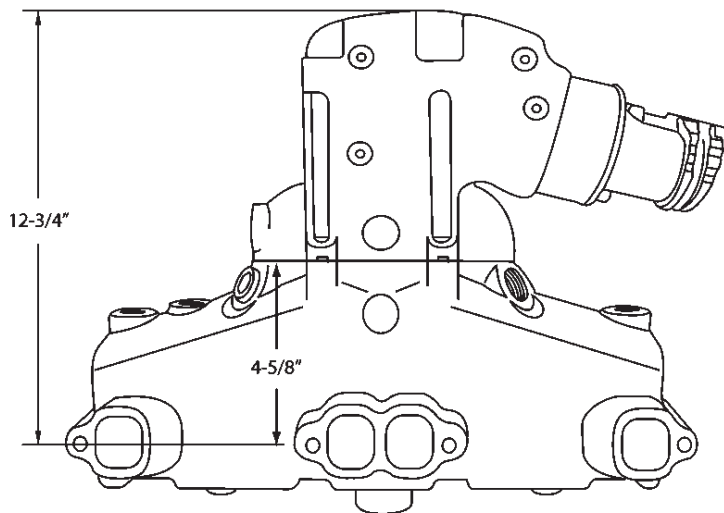
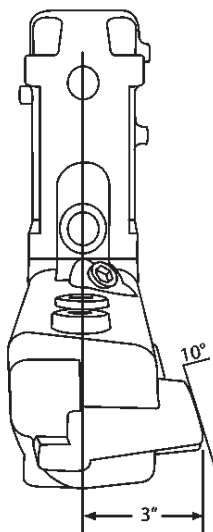
V8 S.B. Dry Joint (2005-2010)

No. 51147

14° EXHAUST ELBOW/RISER
OEM: 864591T02

No. 51237

EXHAUST MANIFOLD
OEM: 865735A02



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DRY JOINT - 14°

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

**Complete Exhaust
Manifold Kit - V6**

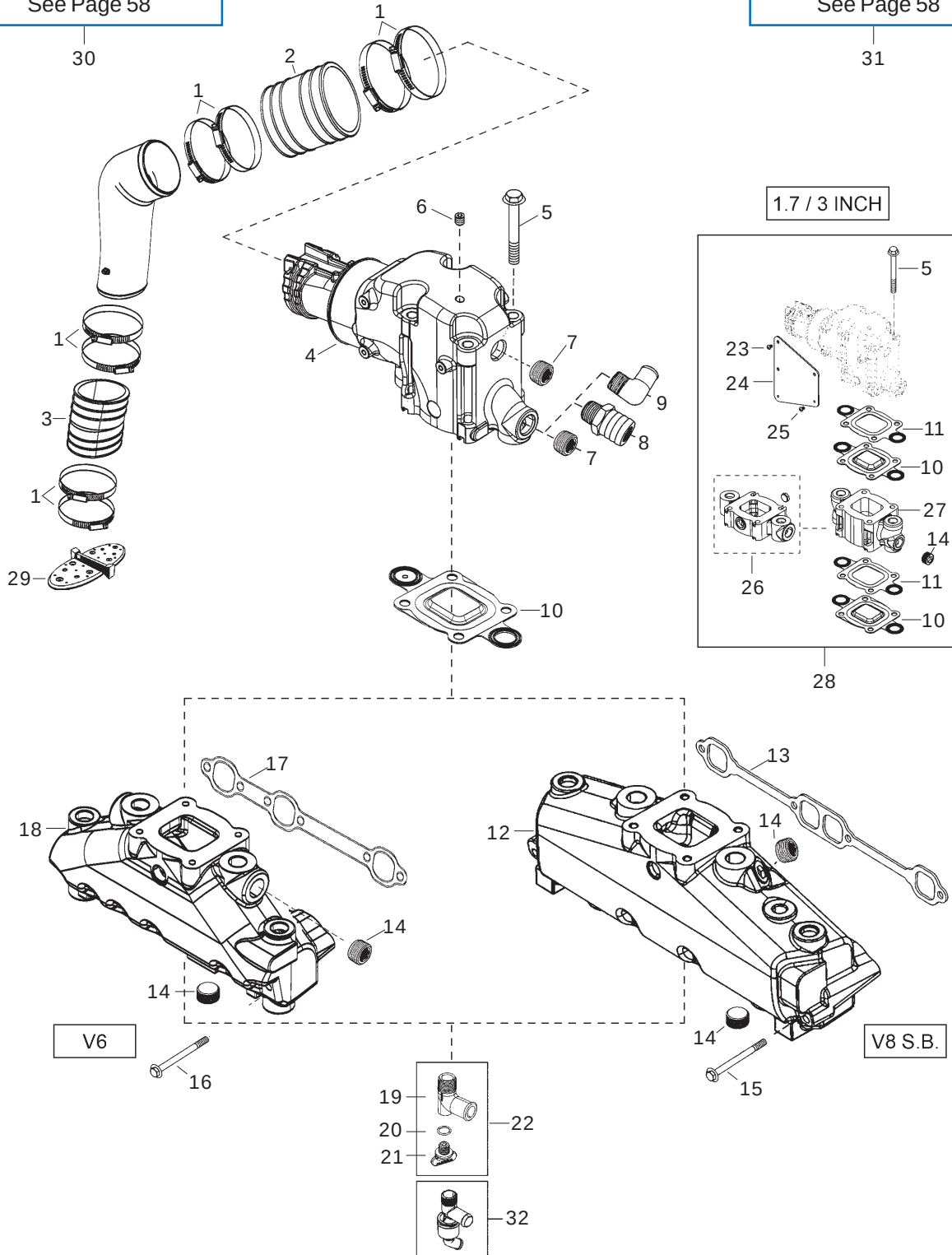
No. 58227

See Page 58

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

No. 58237

See Page 58



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DRY JOINT - 14°

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

Complete Manifold Kit w/o Spacer - V6

No. 58227

OEM: N/A

No. 51147 Elbows 14°

No. 51227 Manifolds - V6

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



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

No. 58237

OEM: N/A

No. 51147 Elbows 14°

No. 51237 Manifolds - V8 S.B.

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



DRY JOINT - 14°

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

V6

No. 51227

EXHAUST MANIFOLD - V6
OEM: 864612T01



V6 & V8 S.B.

No. 51147

EXHAUST ELBOW - 14°
OEM: 864591T02



V8 S.B.

No. 51237

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



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SPACER KITS - 1.7" & 3"		DRY JOINT - 14°
1.7" Spacer Kit for Warm Riser - Standard Cooling	3" Spacer Kit for Warm Riser - Standard Cooling	
No. 50170 1.7" RISER KIT STANDARD COOLING OEM: 865995A01	No. 50370 3" RISER KIT STANDARD COOLING OEM: 864929A3	
		
V6 & V8 Small Block with Standard "Open" Cooling	V6 & V8 Small Block with Standard "Open" Cooling	
1.7" Spacer Kit for Warm Riser - Closed Cooling	3" Spacer Kit for Warm Riser - Closed Cooling	
No. 50172 1.7" RISER KIT CLOSED COOLING OEM: 865996A01	No. 50372 3" RISER KIT CLOSED COOLING OEM: 864929A4	
		
V6 & V8 Small Block with "Closed" Cooling	V6 & V8 Small Block with "Closed" Cooling	

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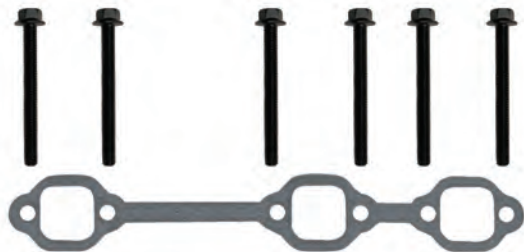
DRY JOINT

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

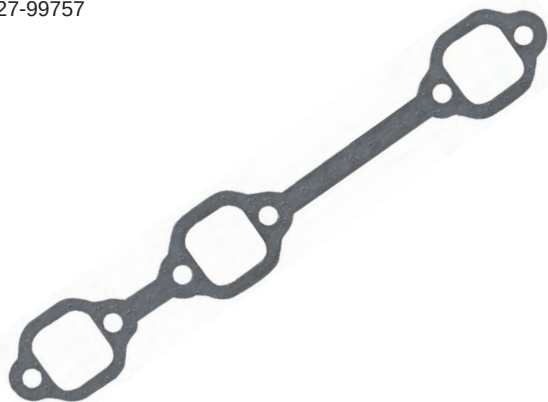


GM V8 S. B.

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

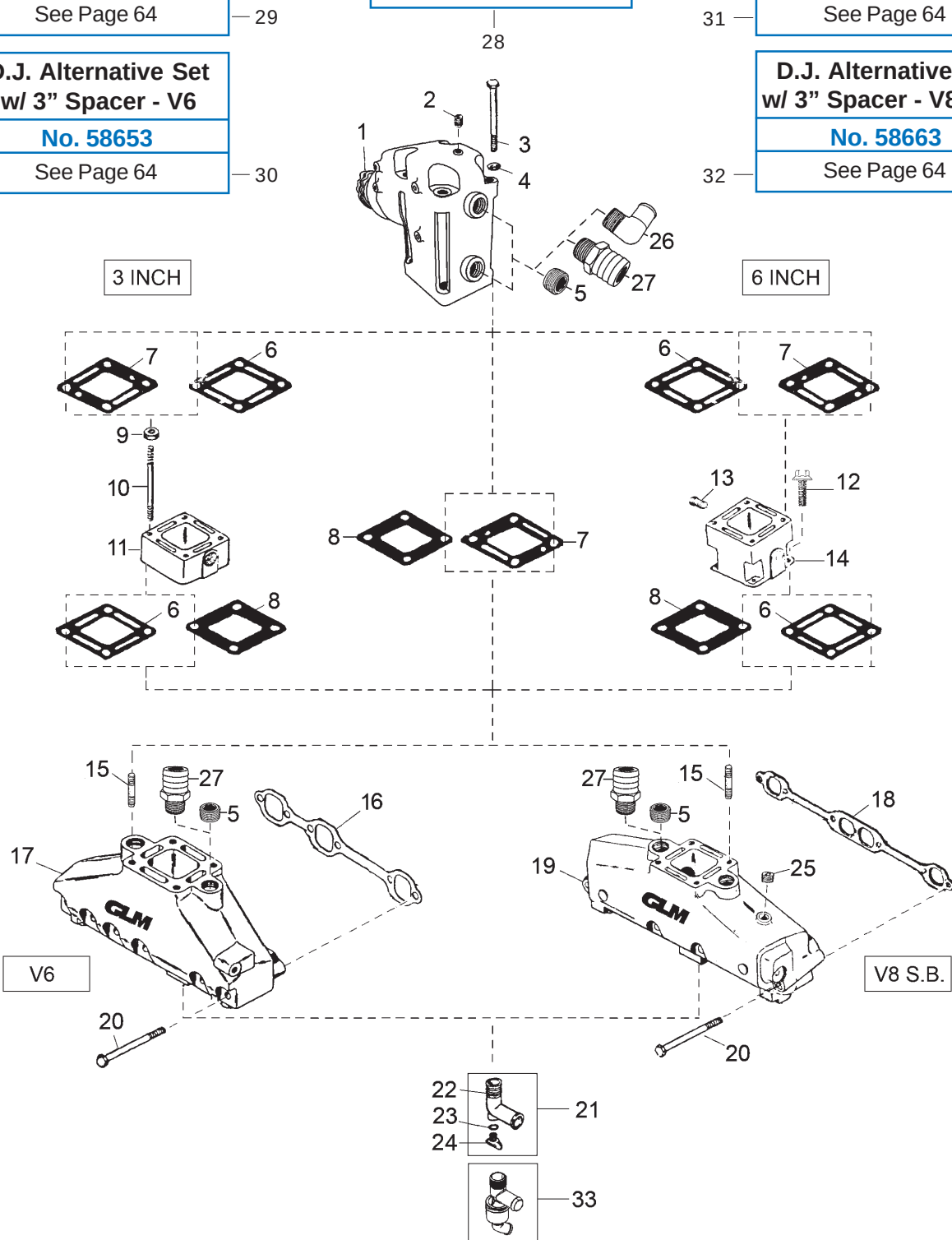
No. 58653

See Page 64

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

No. 58663

See Page 64

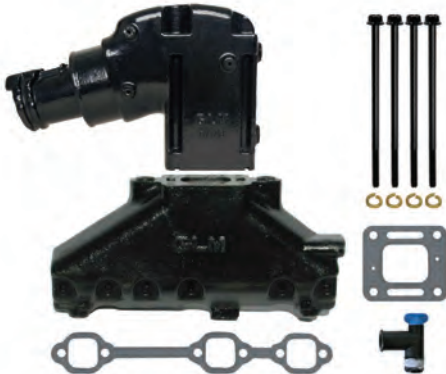
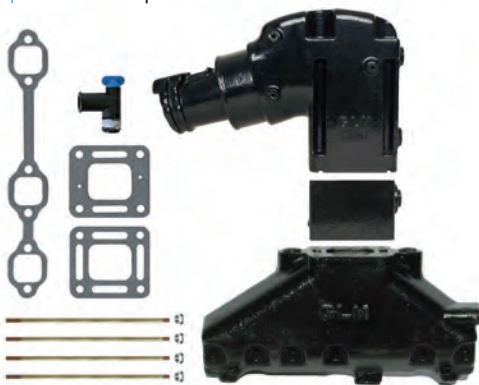
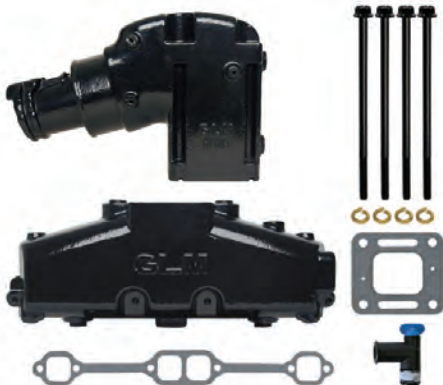
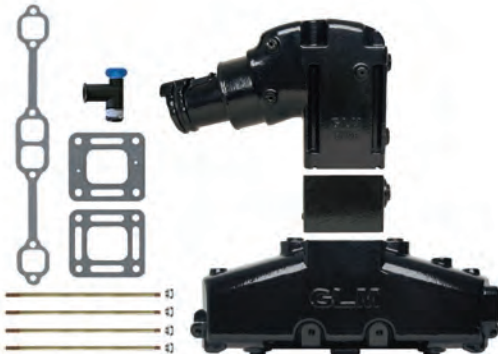


MerCruiser

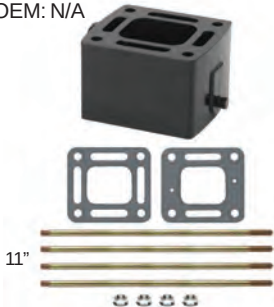
GM V6/V8 S.B. DRY JOINT “ALTERNATIVE” (0M SN#'s & UP)			WET JOINT	
Ref No.	GLM No.	OEM No.	Description	Qty.
1	51148	-	Exhaust Elbow - Dry Joint (Iron Casting)	1
2	21889	-	Plug (Steel)	1
3	22398	10-865982057	Screw - Hex Flanged Head	4
4	21493	13-35048	Lockwasher	4
5	21896	22-42861-1	Plug (Brass)	3
6*	32080	27-863726	Gasket - Manifold / Spacers	1
7*+ -	30240	27-863724	Gasket - Manifold (Raw Water Cooling)	1
8*	30220	27-860231	Gasket - Manifold (Fresh Water Cooling)	1
9*	21248	11-49838	Nut	4
10*	22466	N/A	Stud - 11" Length	4
11*	50300	N/A	Spacer 3" (Iron Casting)	1
12	22355	10-12244	Screw	2
13	21893	22-32802-2	Plug	1
14	50600	N/A	Spacer 6" (Iron Casting)	1
15	22391	16-49645	Stud (Steel)	4
16+	32170	27-99757	Gasket - Exhaust Manifold V6	1
17	51220	99746A17	Exhaust Manifold Assembly - V6	1
18 -	31100	27-33395	Gasket - Exhaust Manifold V8	1
19	51230	860246Q11	Exhaust Manifold Assembly - V8	1
20	21745	10-8M2000229	Screw (3/8-16 x 4-3/4)	4
21+ -	13990	22-806926A1	Hose Fitting w/ Drain Plug Kit	1
22+ -	13991	22-862210A01	90 Degree Hose Fitting (Not Sold Separately)	1
23+ -	81110	25-26802	O-Ring	1
24+ -	13992	22-8M0119211	Drain Plug Kit	1
25	21899	22-37372	Plug	1
26	13960	N/A	Elbow Fitting	AR
27	13984	22-866725	Straight Fitting	AR
28	50350	N/A	3" Spacer Kit	2
29	58650	N/A	Dry Joint Alternative Manifold Set - V6	2
30	58653	N/A	Dry Joint ALternative Manifold Set w/ 3" Spacer - V6	2
31	58660	N/A	Dry Joint Alternative Manifold Set - V8 S.B.	2
32	58663	N/A	Dry Joint ALternative Manifold Set w/ 3" Spacer - V8 S.B.	2
33	13995	22-863786A1	Air Actuated Drain T-Fitting Assy (Coming Soon...)	1

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

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

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



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

WET JOINT

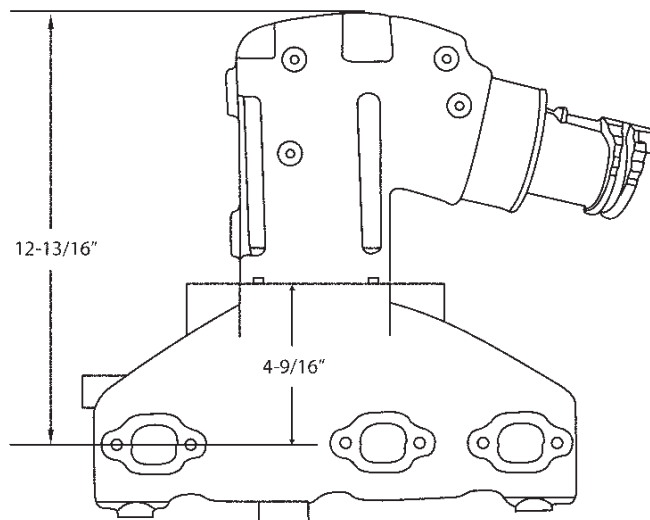
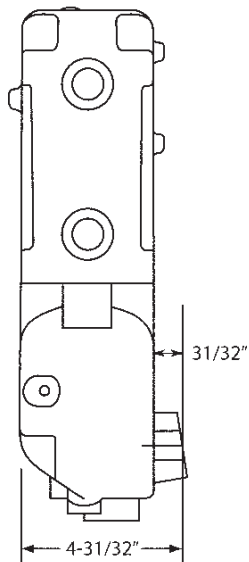
V6 Dry Joint Alternative (0M SN #'s & Up)

No. 51148

EXHAUST ELBOW
OEM: N/A

No. 51220

EXHAUST MANIFOLD
OEM: 99746A17



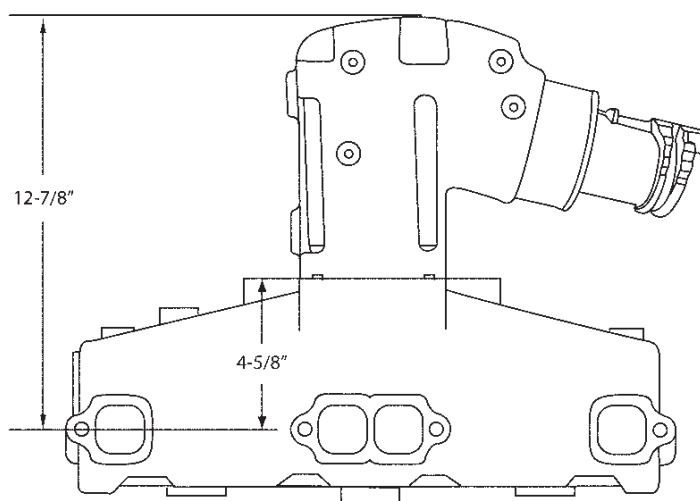
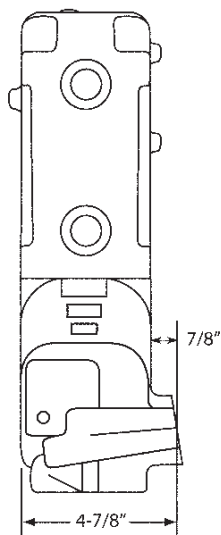
V8 S.B. Dry Joint Alternative (0M SN #'s & Up)

No. 51148

EXHAUST ELBOW
OEM: N/A

No. 51230

EXHAUST MANIFOLD
OEM: 860246A10



MerCruiser

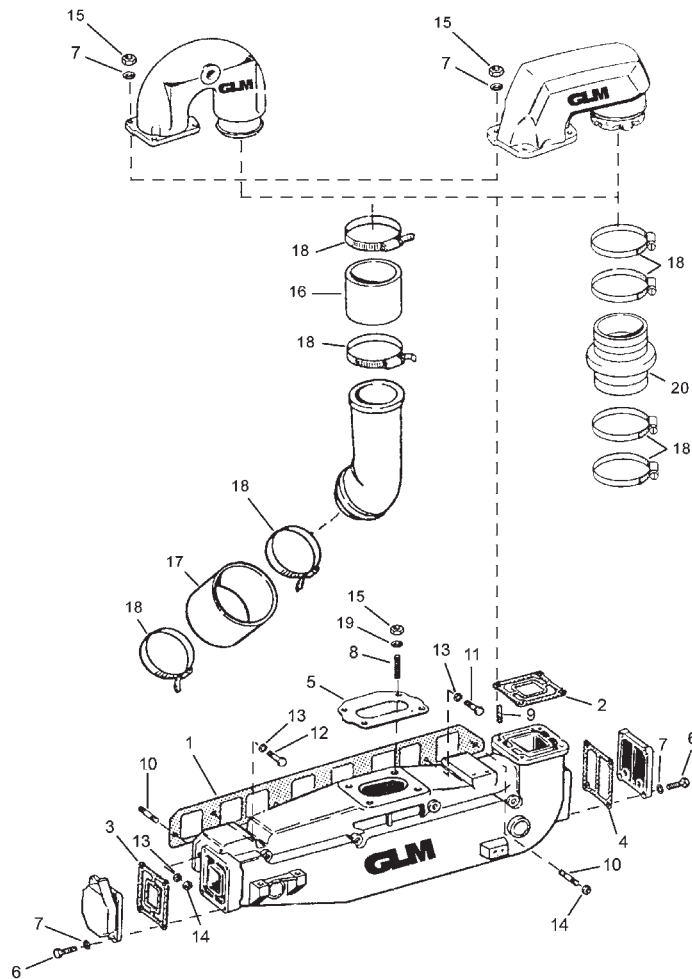
EXHAUST FLAPPER VALVES			WATER SHUTTERS		
No. 89240 FLAPPER VALVE 3" OEM: 34765A1 (with Clamps)	No. 89250 FLAPPER VALVE 4" OEM: 12644A1 (with Clamps)	No. 89260 FLAPPER VALVE- 5" & 6" OEM: N/A (with Clamps)	No. 89160 WATER SHUTTER OEM: 99370A2	No. 89175 WATER SHUTTER OEM: 807166A1	No. 89174 WATER SHUTTER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

Section 3

OMC Exploded Views, Gaskets & Components

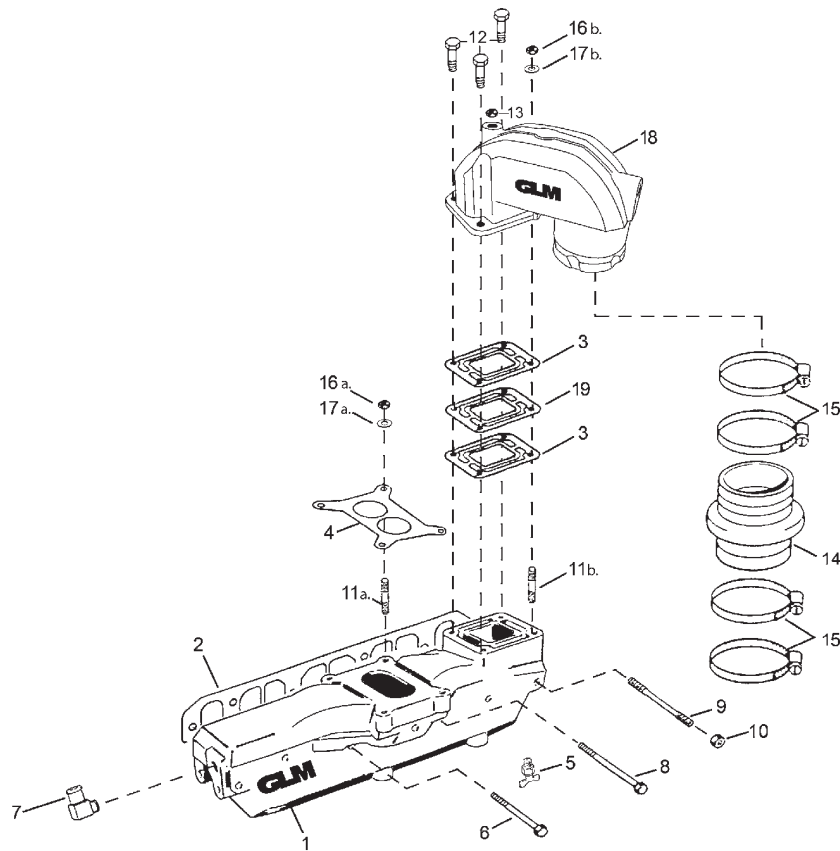
4-Cylinder - 181 CID (1973-90)	68
4-Cylinder - 181 CID (1991 & Up)	69
V6 Exhaust Manifold Dimensions	70
V6 - 262 CID (1986 & Up)	71
Complete Exhaust Manifold Kit, Manifold & Elbow - 4-Cylinder. ..	72
Complete Exhaust Manifold Kits - Standard & Hi-Rise - V6.	72
Complete Exhaust Manifold, Standard & Hi-Rise Elbow - V6	72
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
Exhaust 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

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				

V6 EXHAUST MANIFOLD DIMENSIONS

V6 (1986 & Up)

No. 51330

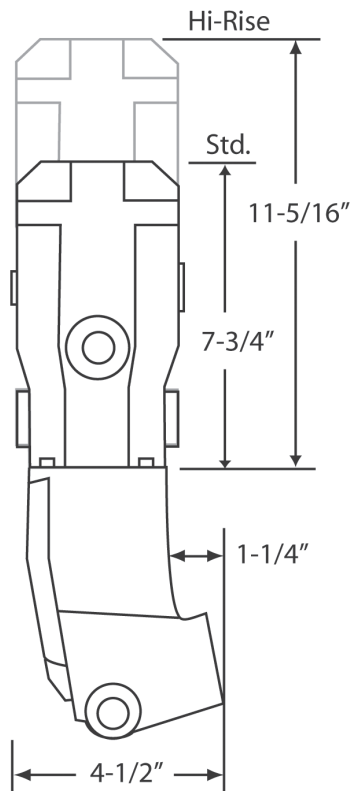
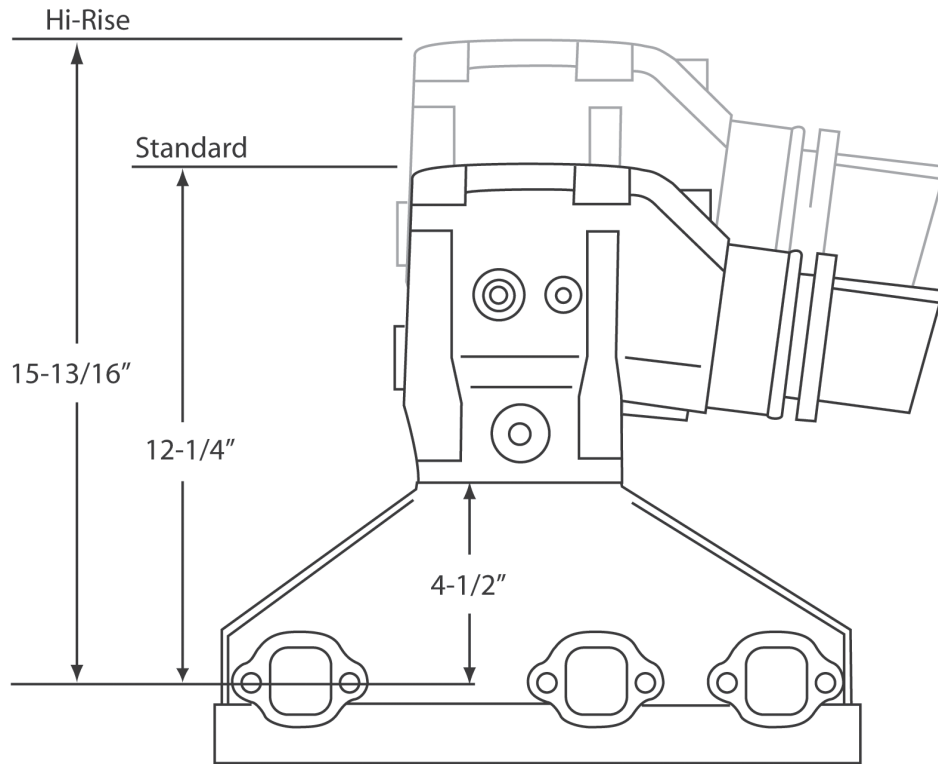
EXHAUST ELBOW
Standard 7.8"
OEM: 3857944

No. 51337

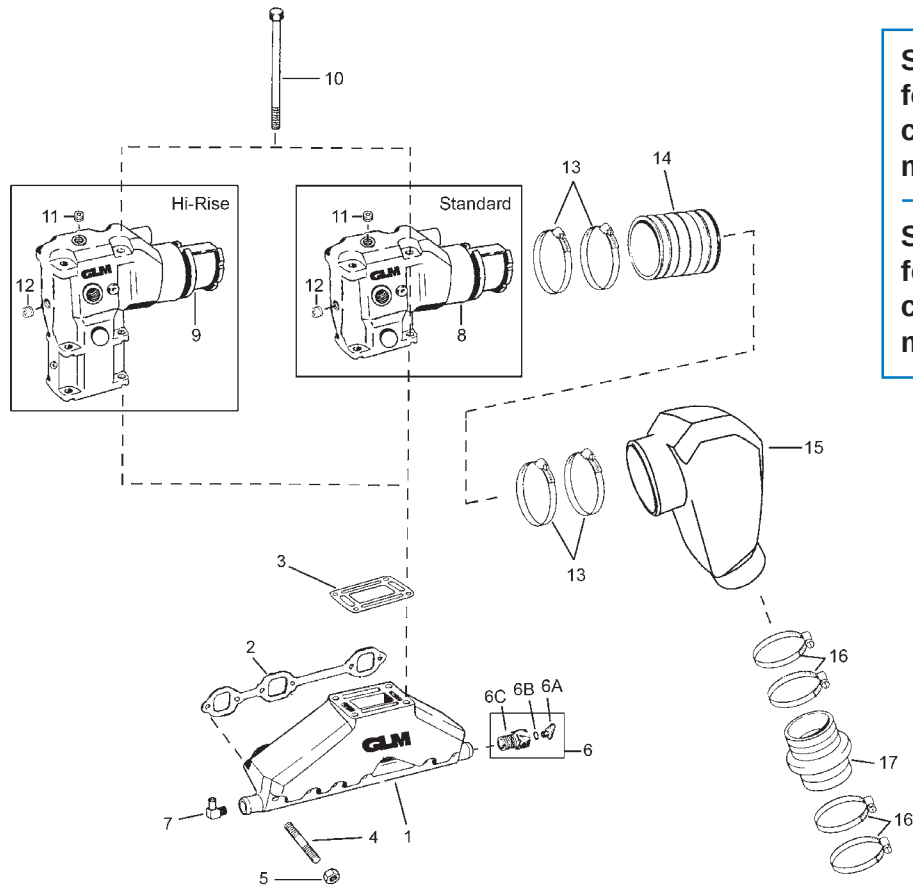
EXHAUST ELBOW
Hi-Rise 11.3"
OEM: 3862627

No. 51480

EXHAUST MANIFOLD
OEM: 3857656



MODEL 4.3L - GM 262 CID, V6 (1986 & UP)



See page 72
for "Standard"
complete V6
manifold kit.

See page 72
for "Hi-Rise"
complete V6
manifold kits.

Ref No.	GLM No.	OEM No.	Description	Qty.
1	51480	3857656	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)	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				

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)

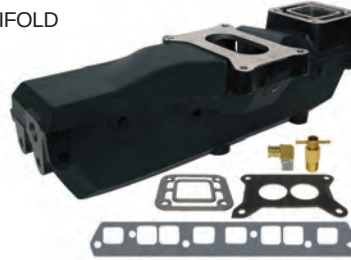
No. 51340

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"

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

OEM: N/A

Single-piece Manifolds to 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



*Manifold to engine screws NOT included. Re-use existing screws. You may need to purchase longer screws than original depending on your application.



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)

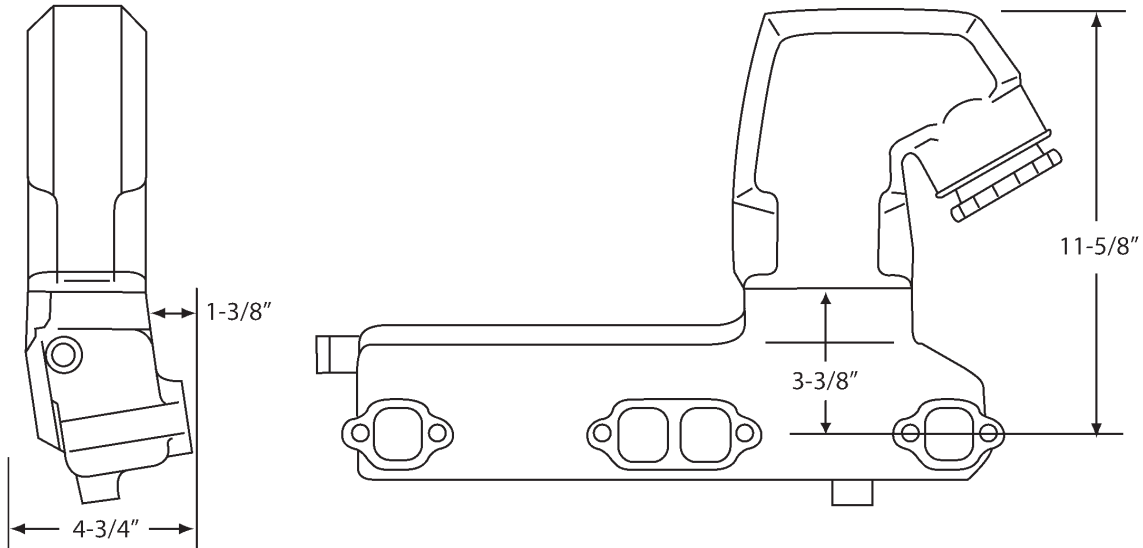
V8 S.B. (1979-88)

No. 51320

EXHAUST ELBOW
OEM: 909863

No. 51410

EXHAUST
MANIFOLD
OEM: 912441



V8 S.B. (1989 & Up)

No. 51330

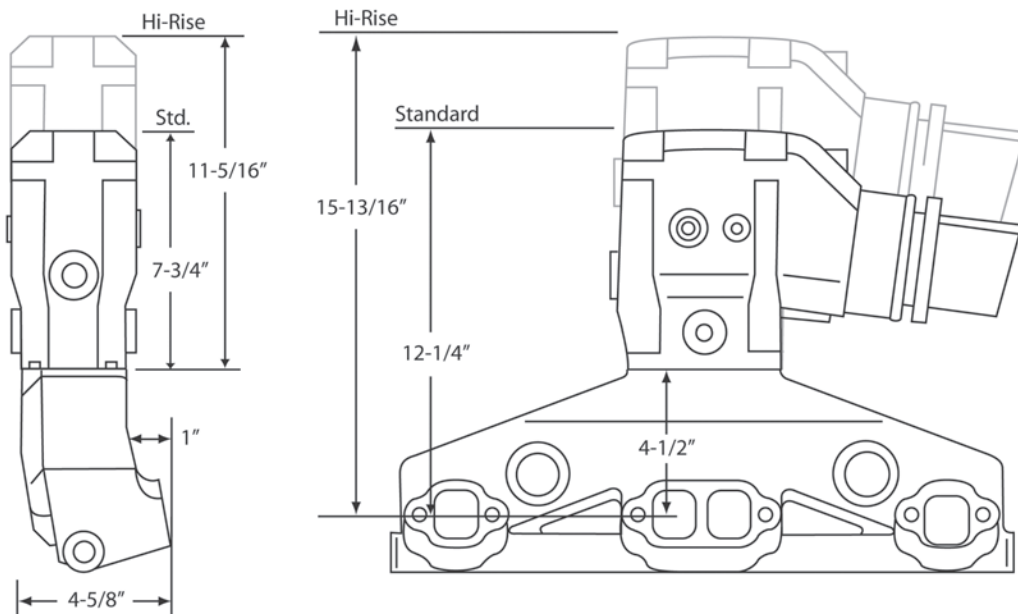
EXHAUST ELBOW
Standard 7.8"
OEM: 3857944

No. 51337

EXHAUST ELBOW
Hi-Rise 11.3"
OEM: 3862627

No. 51430

EXHAUST MANIFOLD
OEM: 3857723



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

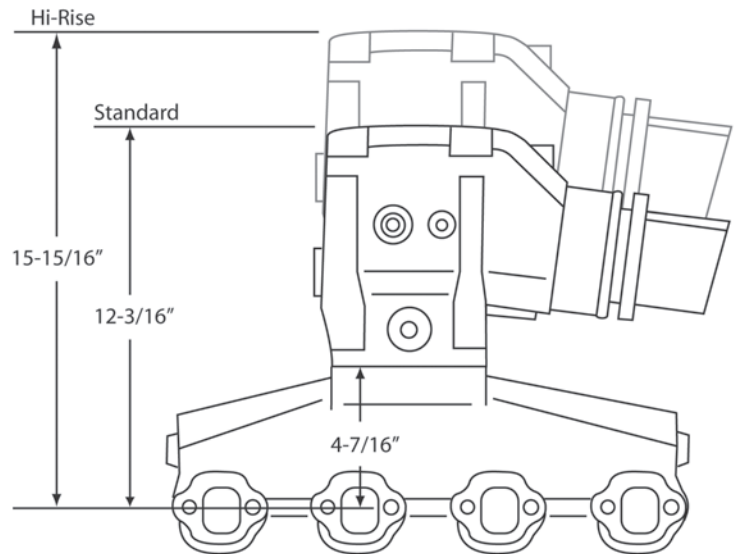
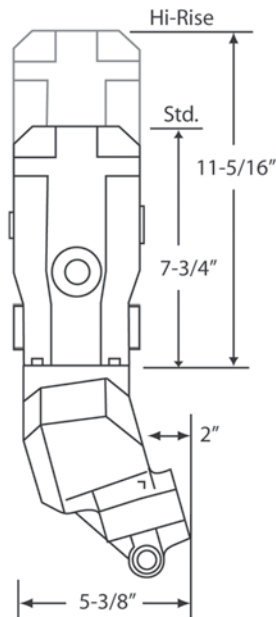
Hi-Rise 11.3"

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

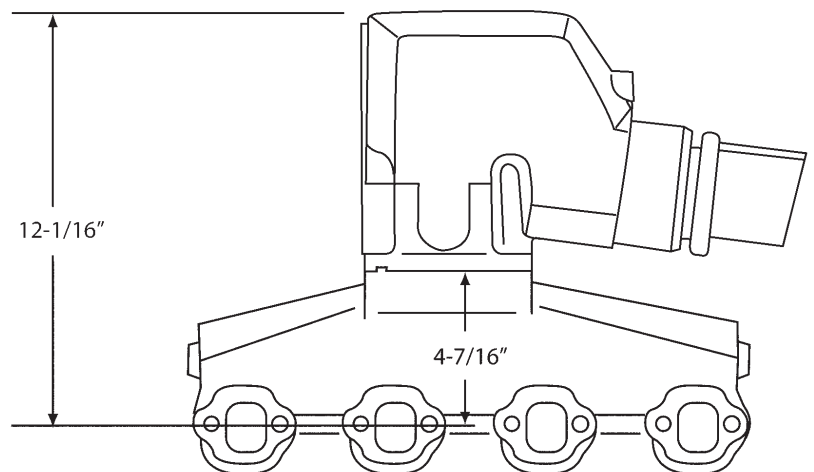
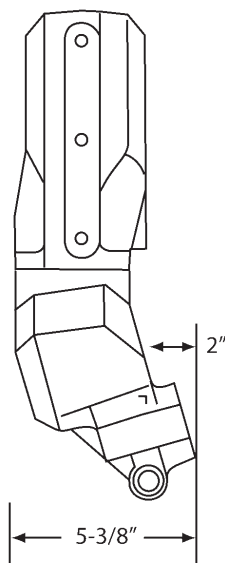
EFI (Starboard)

OEM: 3855269

No. 51490

EXHAUST MANIFOLD

OEM: 3852347

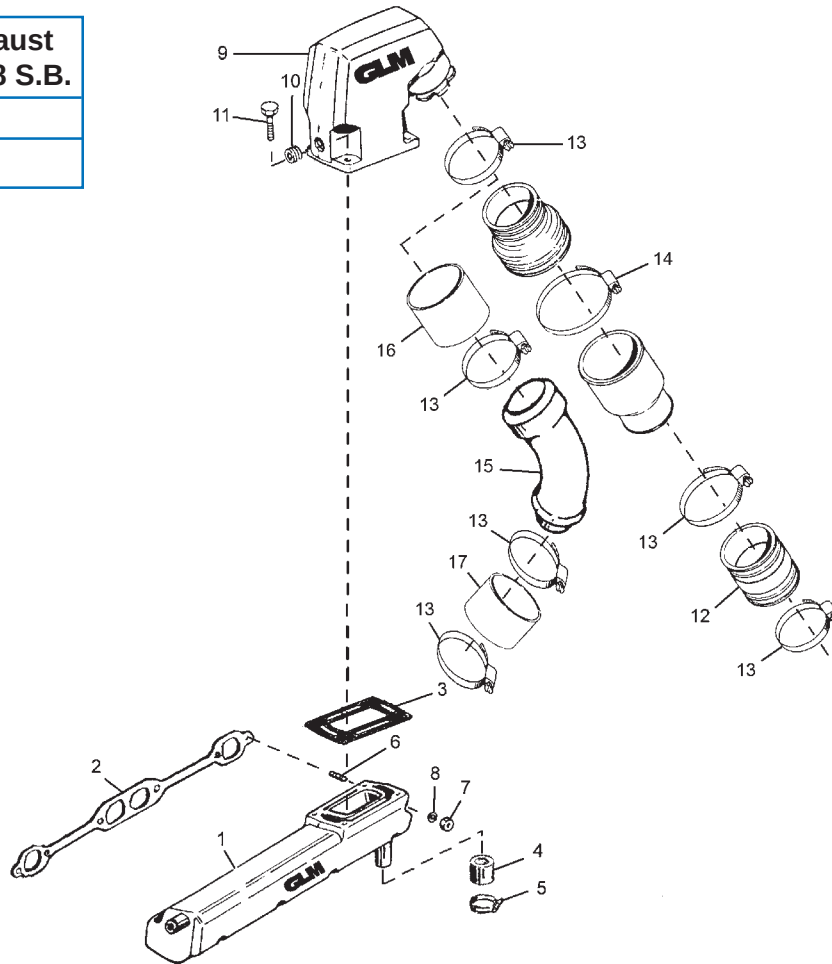


MODEL 800 SERIES - GM 305/350 CID, V8 S.B. (1979-88)

Complete Exhaust Manifold Kit - V8 S.B.

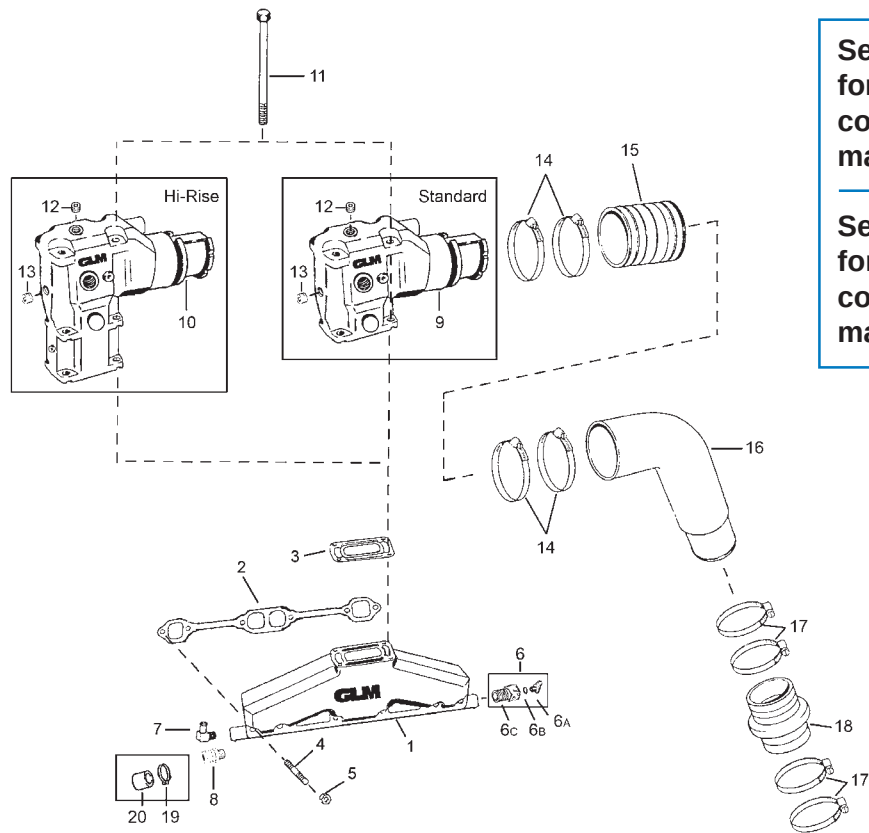
No. 58410

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				

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



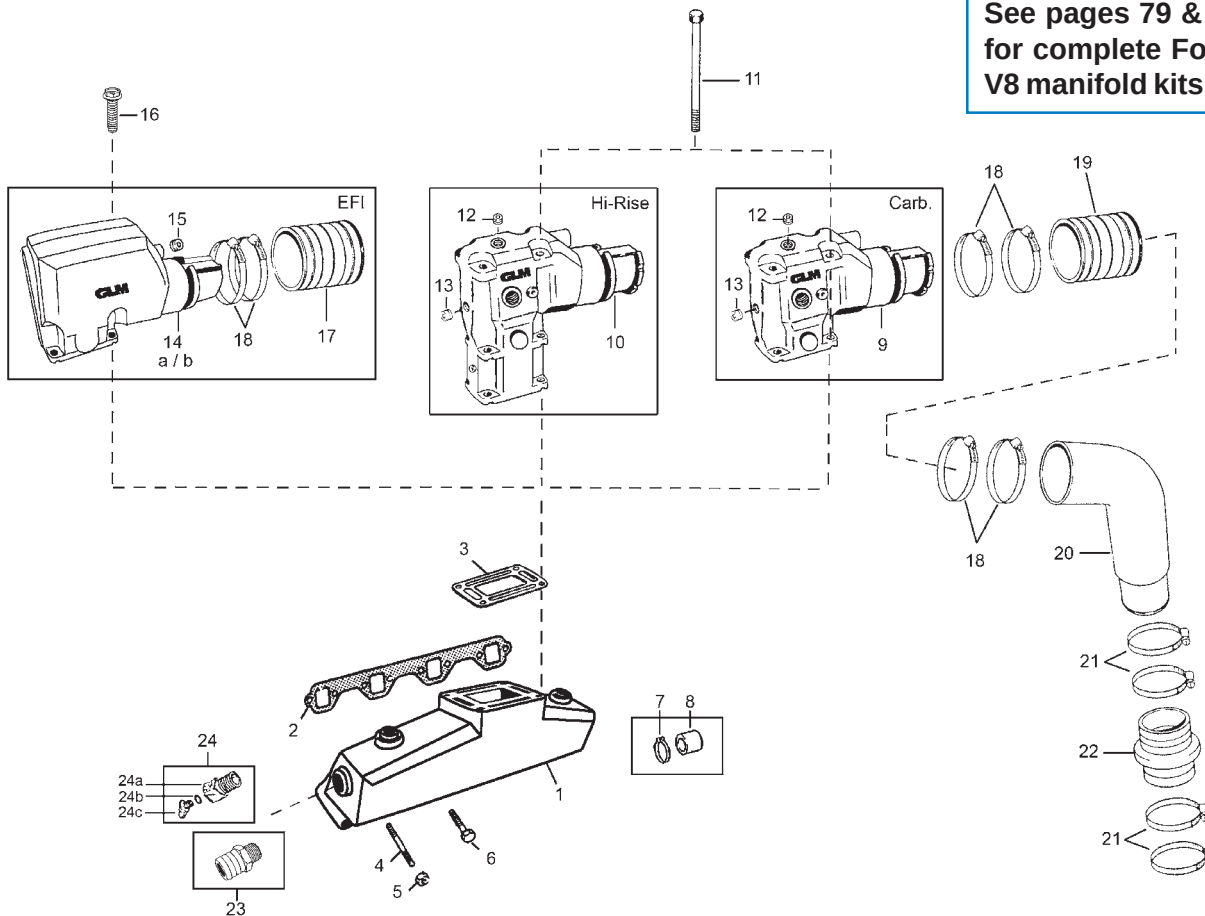
See page 79
for "Standard"
complete V8
manifold kit.

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)

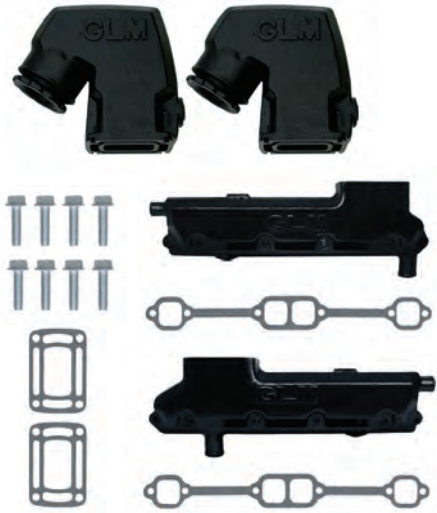
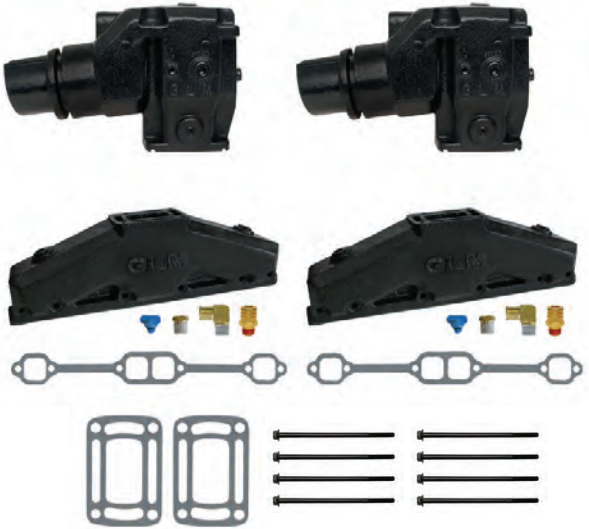
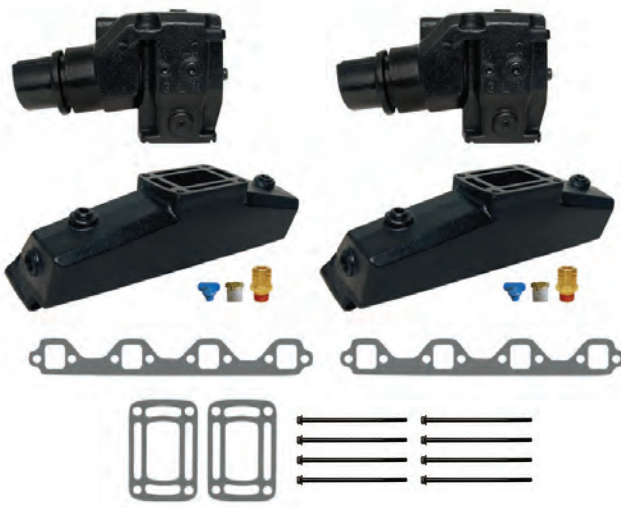
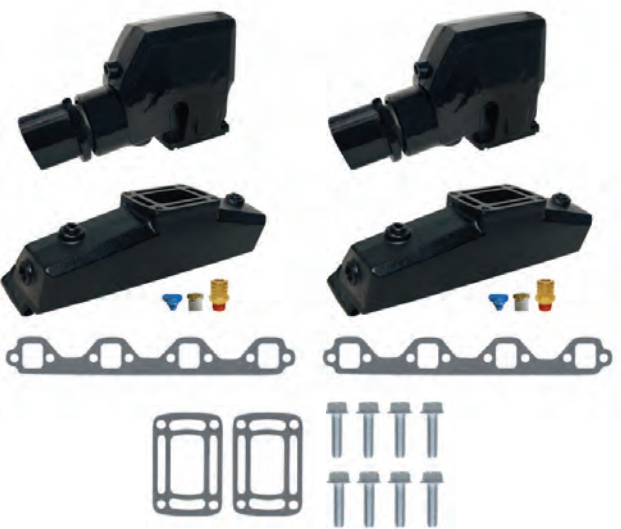
See pages 79 & 80
for complete Ford
V8 manifold kits.



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									

* Included with Manifold No. 51490

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

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

GM V8 S.B.

No. 58437

OEM: N/A

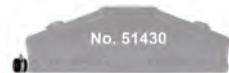
No. 51337 Hi-Rise Elbows
No. 51430 Manifolds

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

OEM: N/A

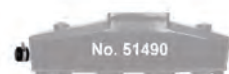
No. 51337 Hi-Rise Elbows
No. 51490 Manifolds

No. 22290

MANIFOLD CAP
OEM: 3852476

No. 01071

CAP CLAMP #10
OEM: 912627

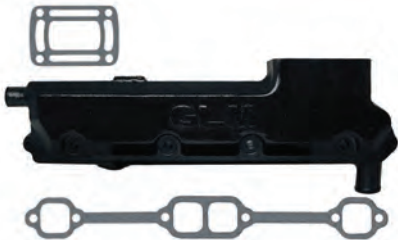
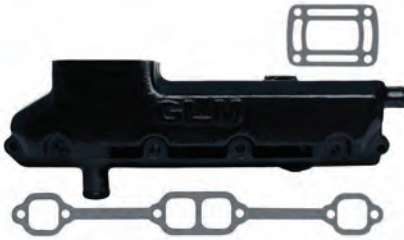
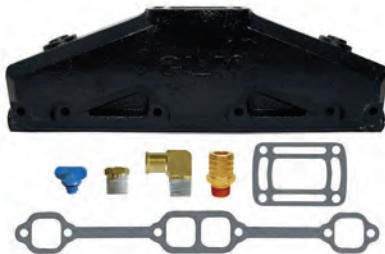


No. 22290 Cap &
No. 01071 Clamp
NOT included in
Kit No. 58492



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

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

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:

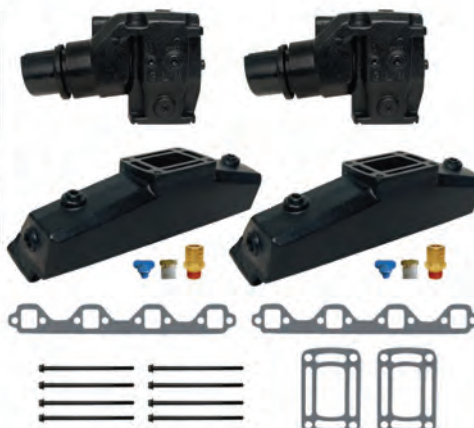
GLM	OEM	ITEM
51330 (2)	3857944	Elbows
51490 (2)	3852347	Manifolds
50700 (2)**	3853386	Exhaust Tube 5.8L
50800 (2)*	3853384	Exhaust Tube 5.0L
89222 (2)	3863450	Exhaust Hose
89224 (2)	3852696	Exhaust Hose
01100 (8)	3853860	Hose Clamps
01090 (8)	3852604	Hose Clamps
33790 (2)	3852455	Manifold Gaskets
33810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



Exhaust Tube for No. 58497



Exhaust Tube for No. 58498



*Manifold to engine screws NOT included. Re-use existing screws. You may need to purchase longer screws than original depending on your application.



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 (Kit No. 58498)



Bottom Diameter 3-1/2"



Exhaust Tube No. 50700 for 5.8L (Kit No. 58497)



Bottom Diameter 3-1/2"

V8 B.B. EXHAUST MANIFOLD DIMENSIONS

V8 B.B. (1991 & Up)

No. 51330

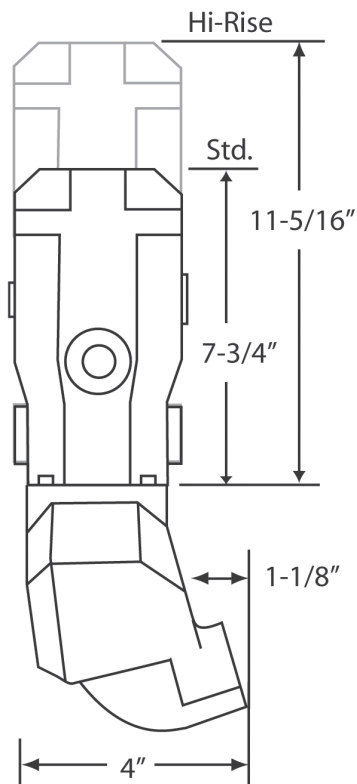
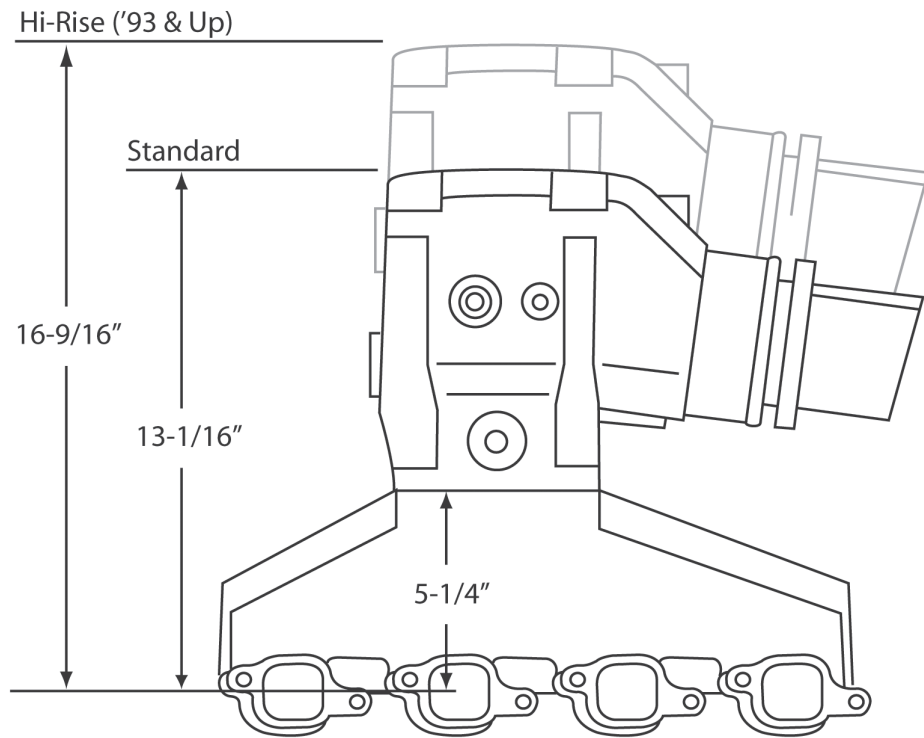
EXHAUST ELBOW
Standard 7.8"
OEM: 3857944

No. 51337

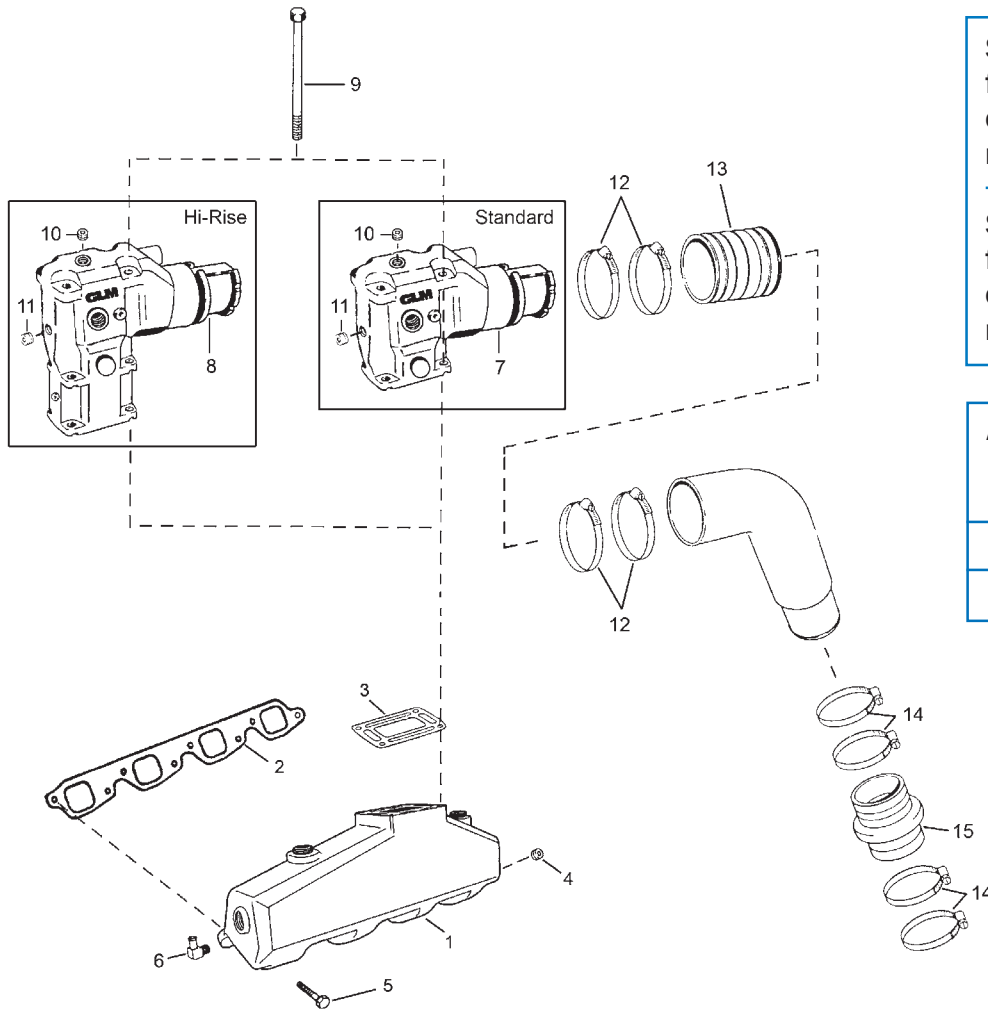
EXHAUST ELBOW
Hi-Rise 11.3"
OEM: 3862627

No. 51500

EXHAUST MANIFOLD
OEM: 3861459



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

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

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

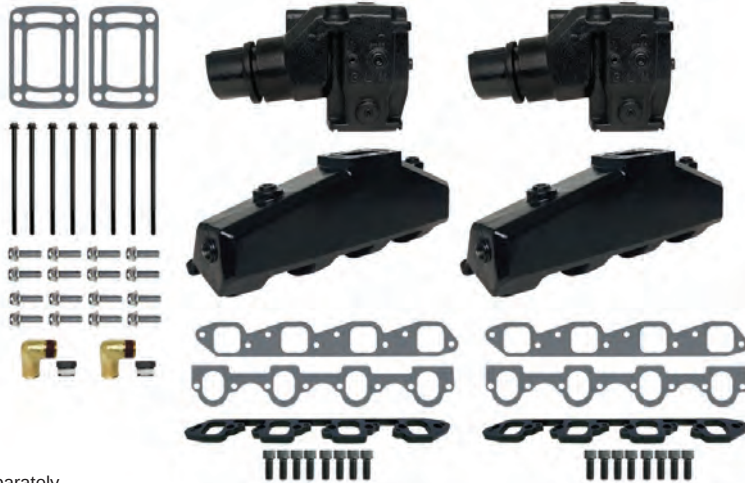
OEM: N/A

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



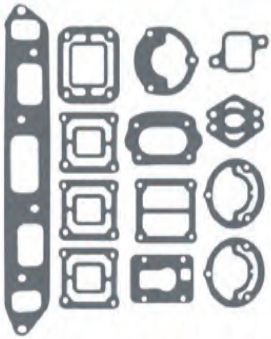
Use your Chevy Big Block Exhaust Manifolds on your Ford 460 Engine!



EXHAUST MANIFOLD GASKET & HARDWARE KITS

No. 39780

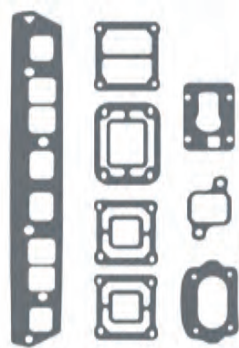
W/OUT HARDWARE



GM 2.5L 153 CID
(1965-1985)

No. 39790

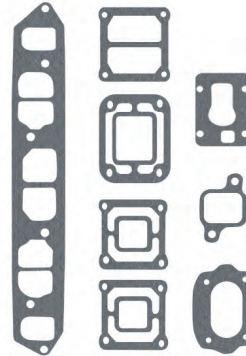
W/OUT HARDWARE



GM 3.0L 140 HP
(1973-1986)

No. 39770

W/OUT HARDWARE



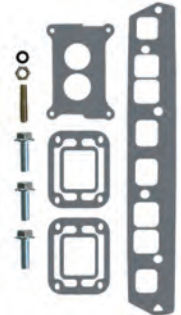
GM 2.5L/3.0L
(1985-1988)

No. 53772

W/ HARDWARE

No. 39771

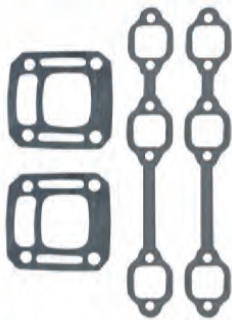
W/OUT HARDWARE



GM 3.0L 181 CID
(1991 & Up)

No. 39772

W/OUT HARDWARE



GM V6 3.8L 229 CID
(1981-1986)

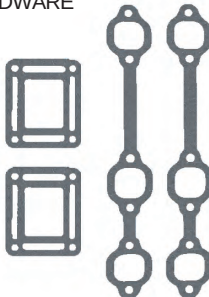
No. 53773

W/ HARDWARE



No. 39773

W/OUT
HARDWARE



GM V6 4.3L 262 CID
(1991 & Up)

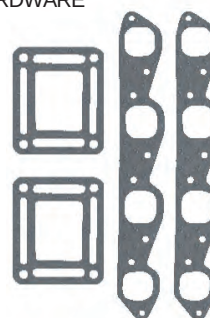
No. 53940

W/ HARDWARE



No. 39940

W/OUT
HARDWARE



GM V8 454/502 CID

No. 50045

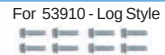
ADAPTER PLATES



Ford 460 to GM 454 Manifold

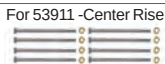
No. 53910

W/ HARDWARE



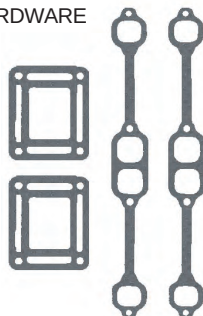
No. 53911

W/ HARDWARE



No. 39910

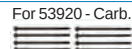
W/OUT HARDWARE



GM V8 Small Block

No. 53920

W/ HARDWARE



No. 53921

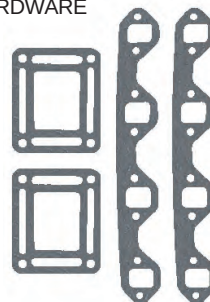
W/ HARDWARE

For 53921 - Fuel Injection



No. 39920

W/OUT HARDWARE



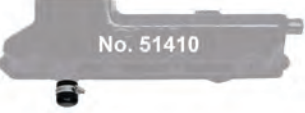
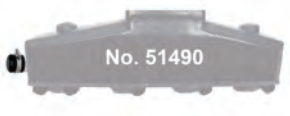
FORD V8 302/351 CID

No. 53040

MANIFOLD ADAPTER
PLATE KIT



Ford 460 to GM 454

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

Section 4

Volvo Penta Exploded Views, Gaskets & Components

<i>4-Cylinder - 181 CID (1993 & Up)</i>	<i>90</i>
<i>V6 Exhaust Manifold Dimensions</i>	<i>91</i>
<i>V6 - AQ 175-434 (1993 & Before)</i>	<i>92</i>
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<i>V8 S.B. - 305/350 CID (1993 & Up)</i>	<i>99</i>
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<i>Complete Exhaust Manifold Kits - V8 S.B.</i>	<i>101</i>
<i>Complete Exhaust Manifold Kits w/ Hi-Rise Elbows - V8 S.B.</i>	<i>102</i>
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Volvo Penta

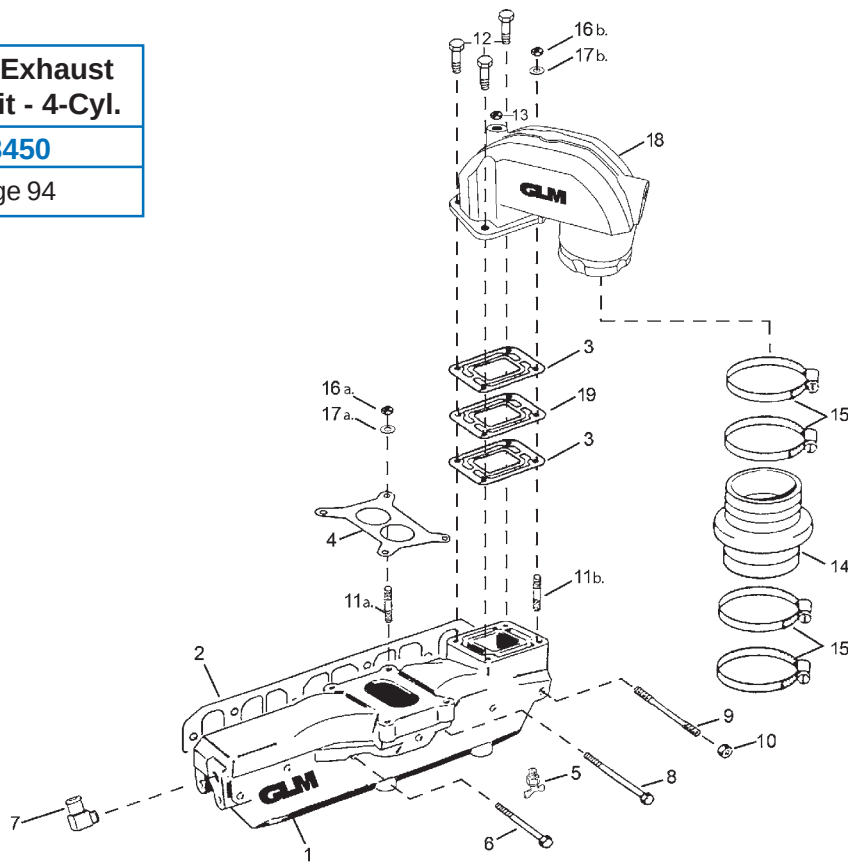
MODEL 3.0GS - 181 CID, 4-CYL. (1993 & UP)

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

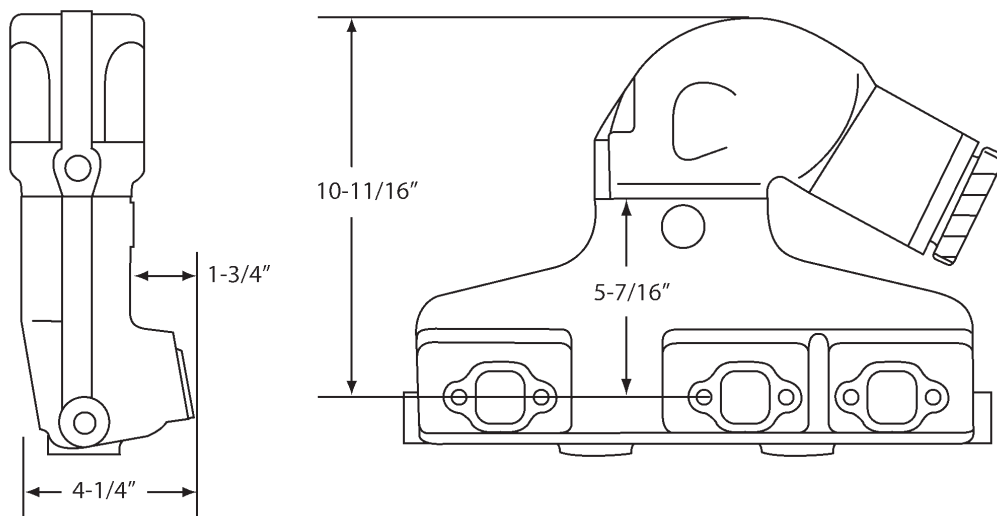
V6 (1993 & Before)

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

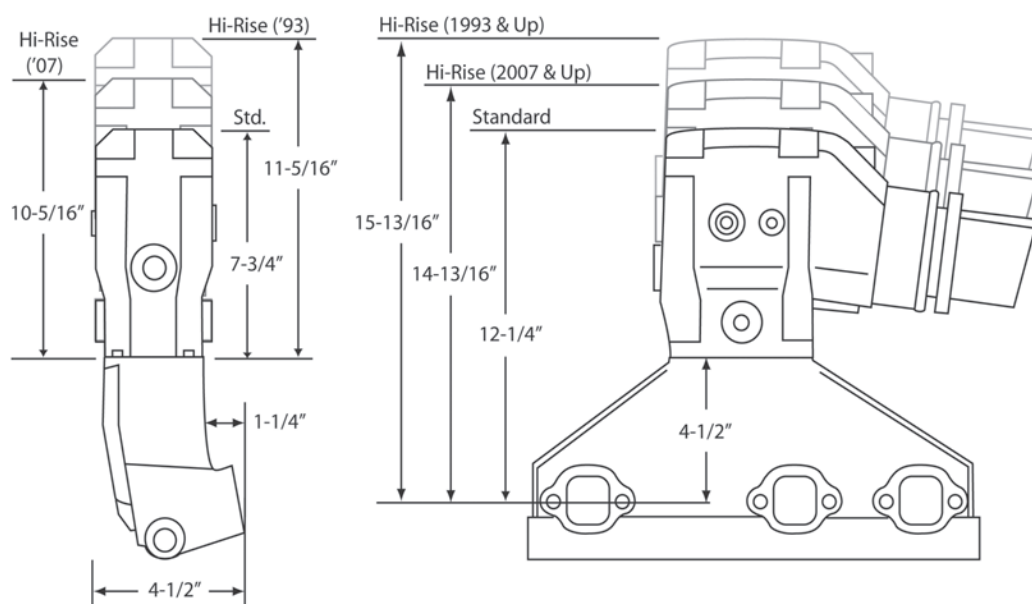
EXHAUST ELBOW
Hi-Rise 11.3" ('93 & Up)
OEM: 3862627

No. 51336

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

No. 51480

EXHAUST MANIFOLD
OEM: 3857656



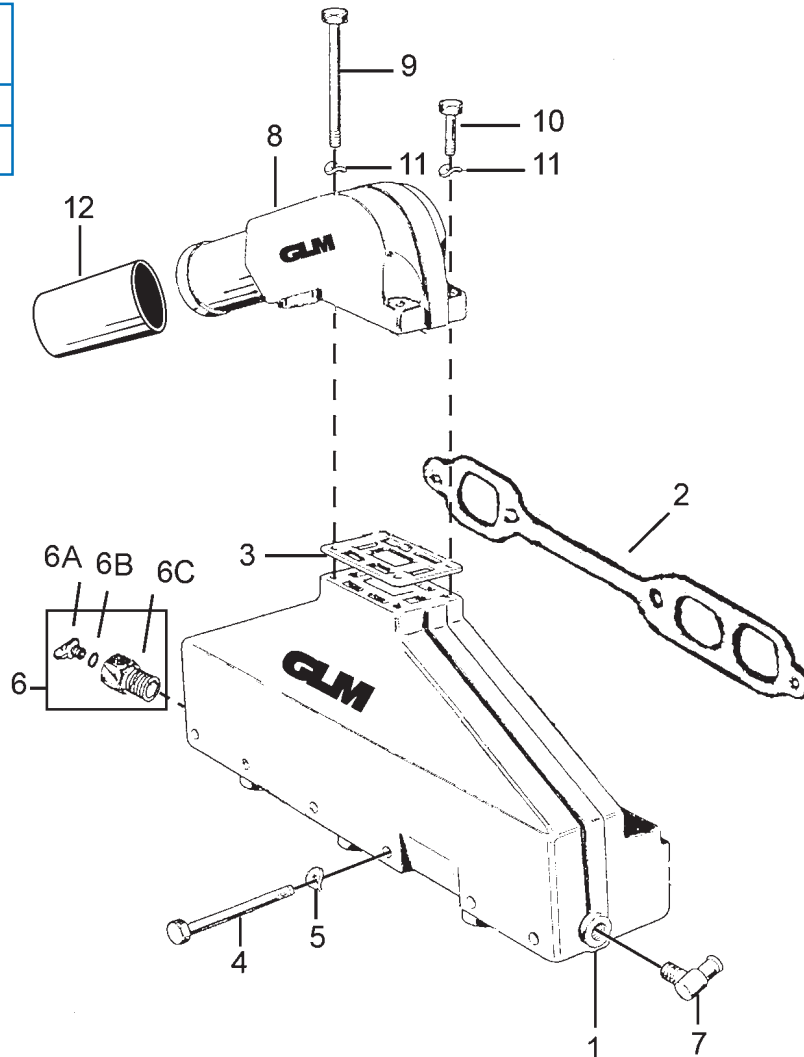
Volvo Penta

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

Complete Exhaust Manifold Kit - V6

No. 58640

See Page 94

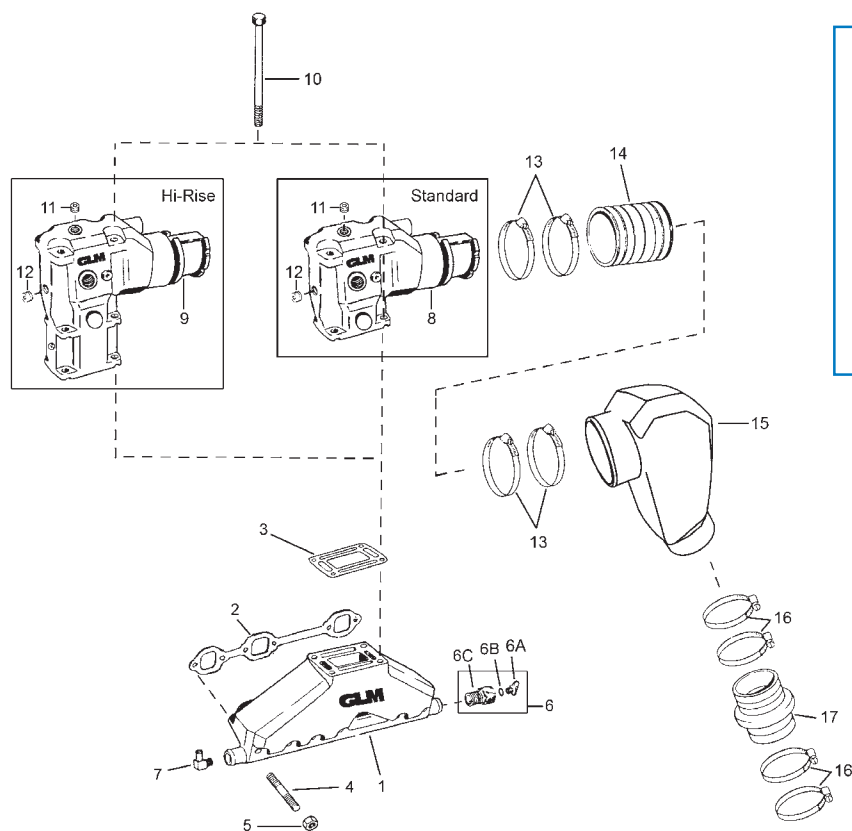


Ref No.	GLM No.	OEM No.	Description	Qty.
1	51640	856894	Exhaust Manifold	1
2*	32170	3853412	Gasket - Exhaust Manifold	1
3*	35080	857618	Gasket - Exhaust Elbow	1
4	22444	942547	Screw (3/8-16x5)	6
5	21726	942336	Washer	6
6*	13982	192154	Straight Fitting Kit	1
6A*	13992	-	Drain Plug Kit	1
6B*	81110	303347	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				

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

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

No. 58450

OEM: N/A

No. 51340 Elbow
No. 51450 Manifold



GM 4-Cylinder 181 CID (1991 & Up)

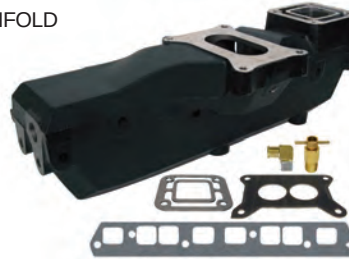
No. 51340

EXHAUST ELBOW
4-CYLINDER
OEM: 3863071



No. 51450

EXHAUST MANIFOLD
4-CYLINDER
OEM: 3858870



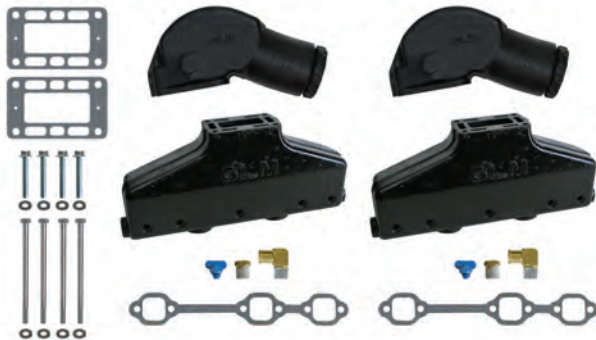
COMPLETE EXHAUST MANIFOLD KITS - V6

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

No. 58640

OEM: N/A

No. 51520 Elbows
No. 51640 Manifolds



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

No. 58480

OEM: N/A

No. 51330 Elbows
No. 51480 Manifolds



7.8"

EXHAUST MANIFOLDS & ELBOWS - V6

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

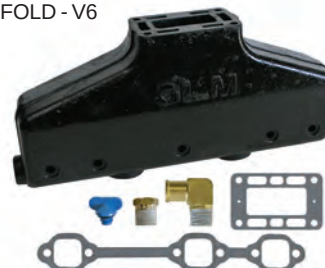
No. 51520

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

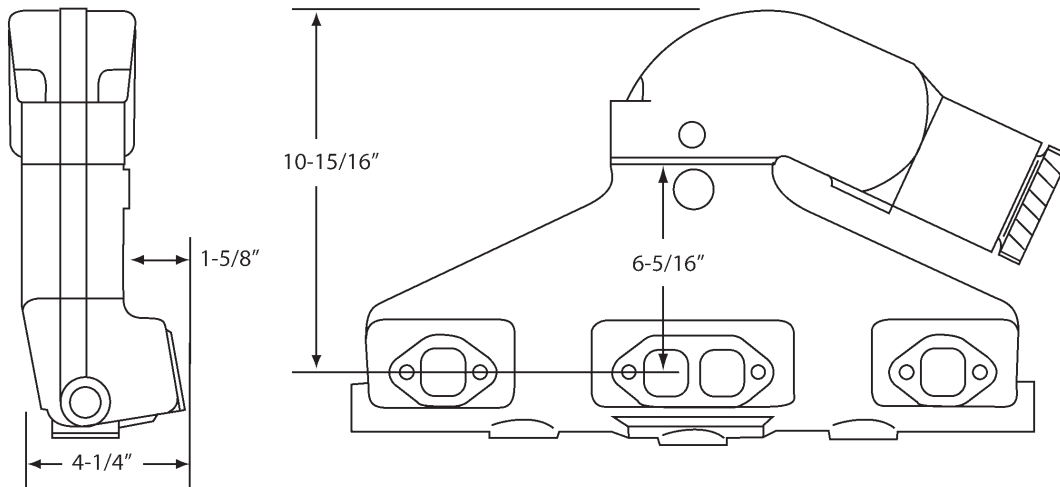
V8 S.B. (1993 & Before)

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

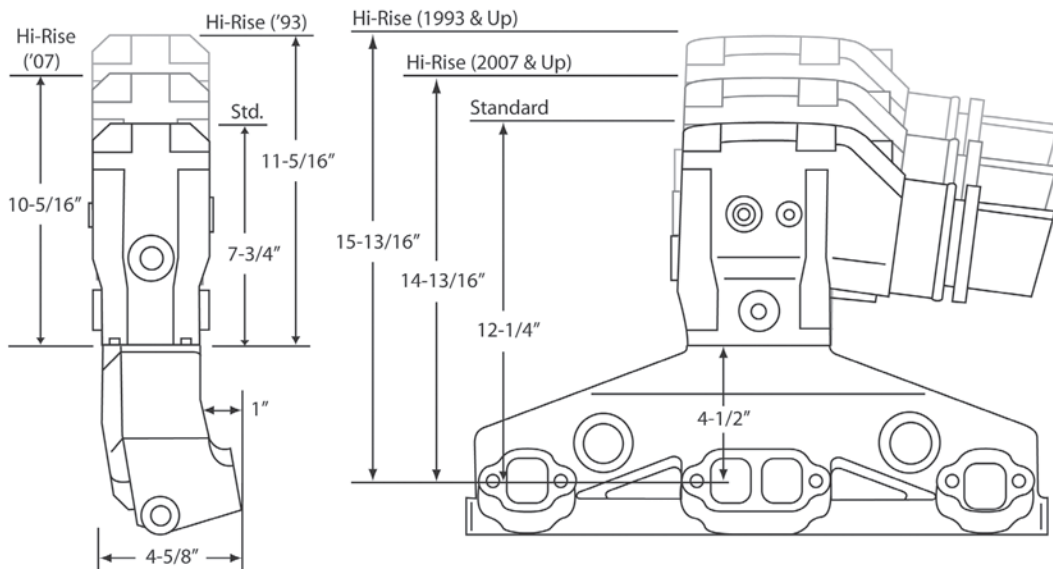
EXHAUST ELBOW
Hi-Rise 11.3" ('93 & Up)
OEM: 3862627

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

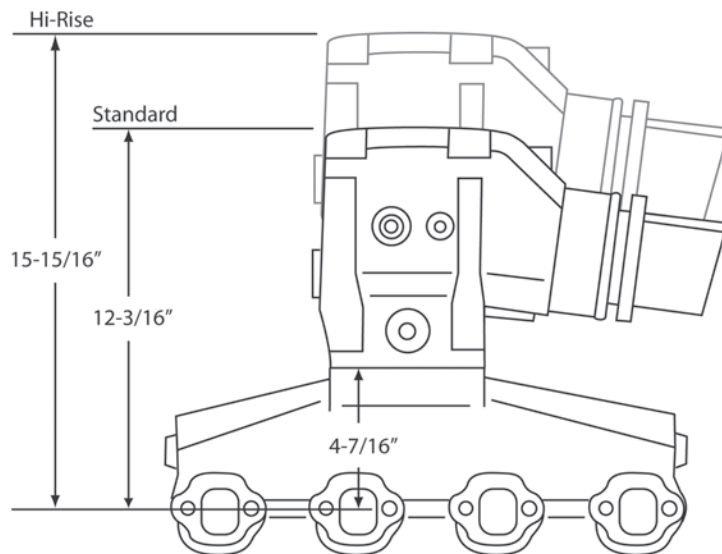
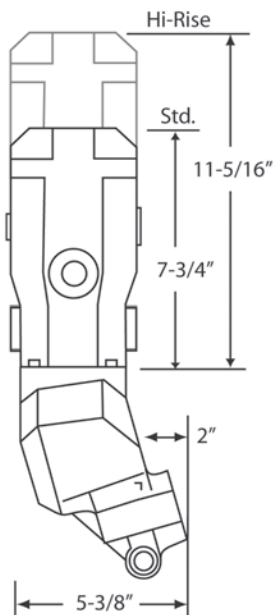
Standard 7.8"

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

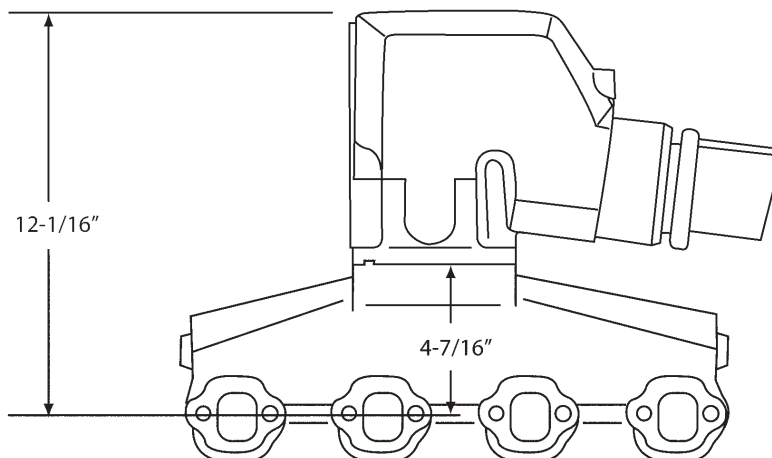
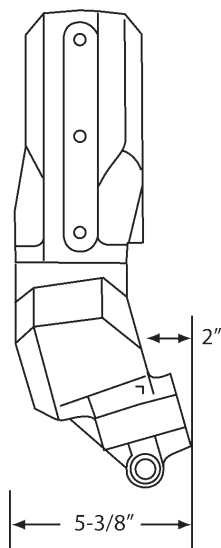
Starboard

OEM: 3855269

No. 51490

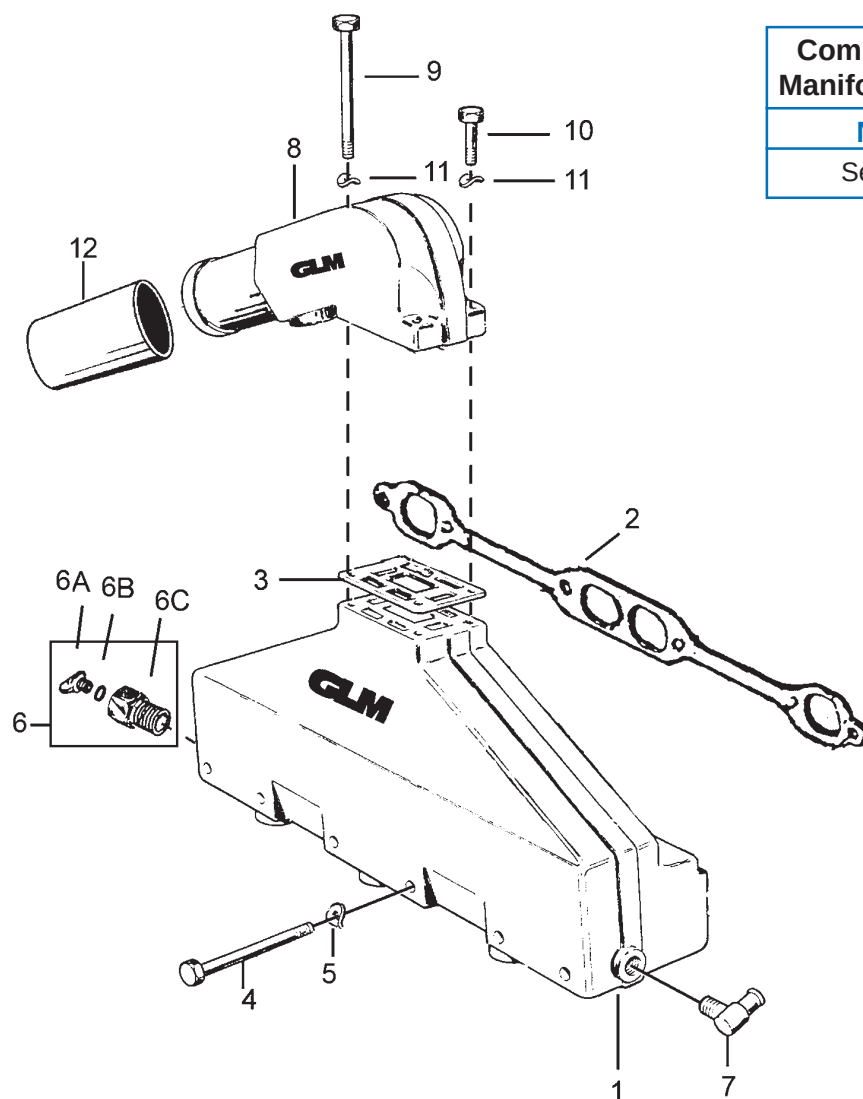
EXHAUST MANIFOLD

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

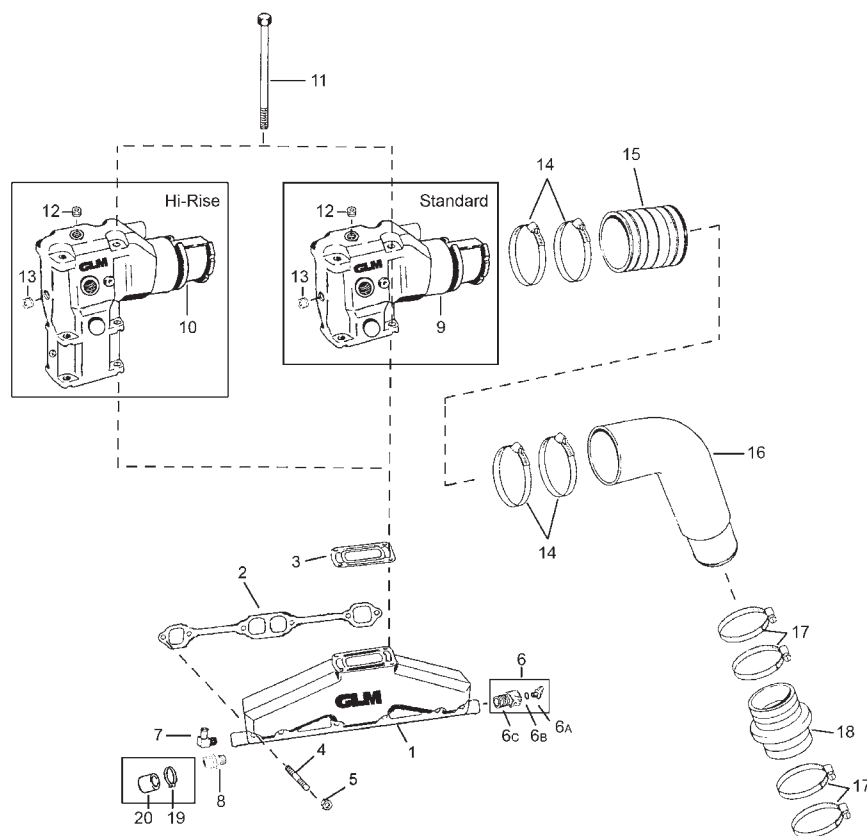
Ref No.	GLM No.	OEM No.	Description	Qty.
1	51630	856883	Exhaust Manifold Assembly	1
2*	31100	3852468	Gasket - Exhaust Manifold	1
3*	35080	857618	Gasket - Exhaust Elbow	1
4	22444	942547	Screw (3/8-16x5)	6
5	21726	942336	Washer	6
6*	13982	-	Straight Fitting Kit	1
6A*	13992	-	Drain Plug Kit	1
6B*	81110	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)



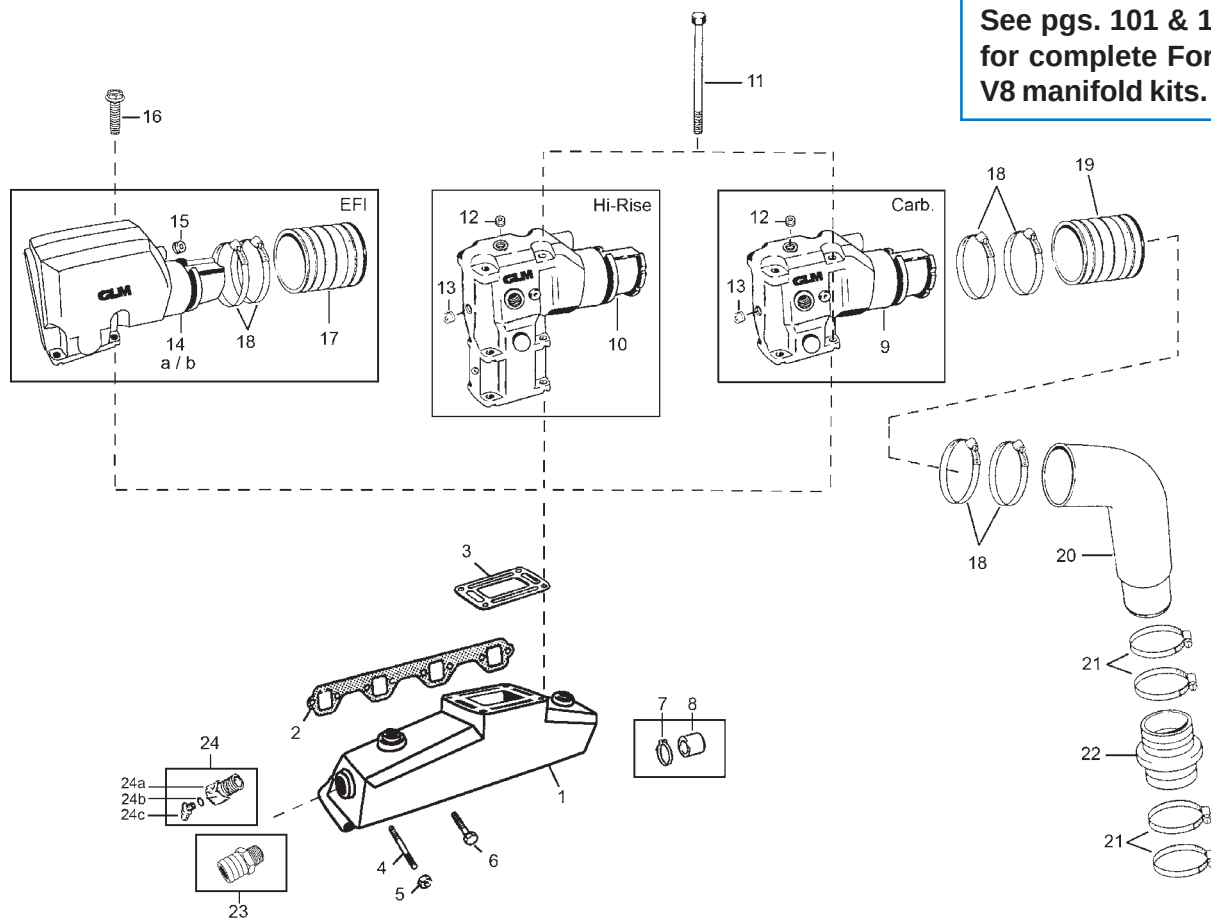
See page 101
for "Standard"
complete V8
manifold kits.

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				

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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									

* Included with Manifold No. 51490

Volvo Penta

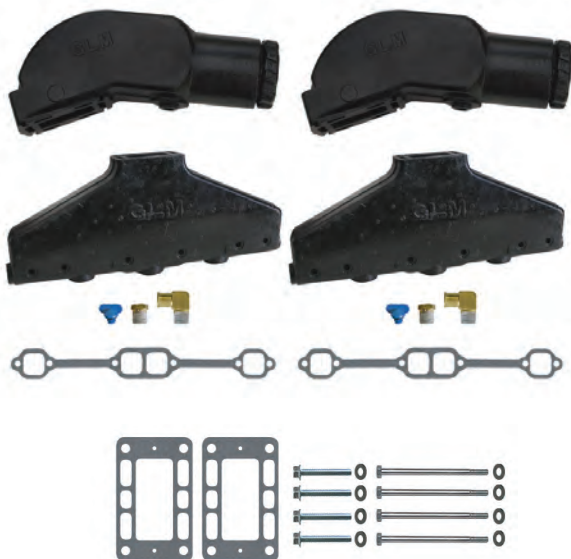
COMPLETE EXHAUST MANIFOLD KITS - V8 S.B.

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

No. 58630

OEM: N/A

No. 51510 Elbows
No. 51630 Manifolds

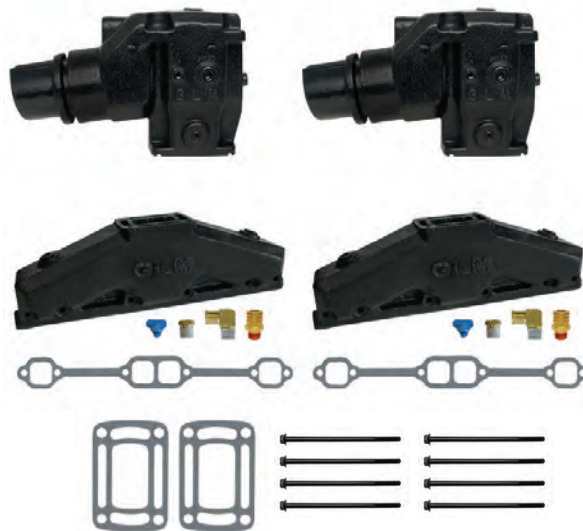


GM V8 S.B., 5.7L, 305 CID (1993 & Up)

No. 58430

OEM: N/A

No. 51330 Elbows
No. 51430 Manifolds



No. 22290 Cap & No. 01071 Clamp NOT included in Kit No. 58430



No. 22290

MANIFOLD CAP
OEM: 3852476



No. 01071

CAP CLAMP #10
OEM: 3852602

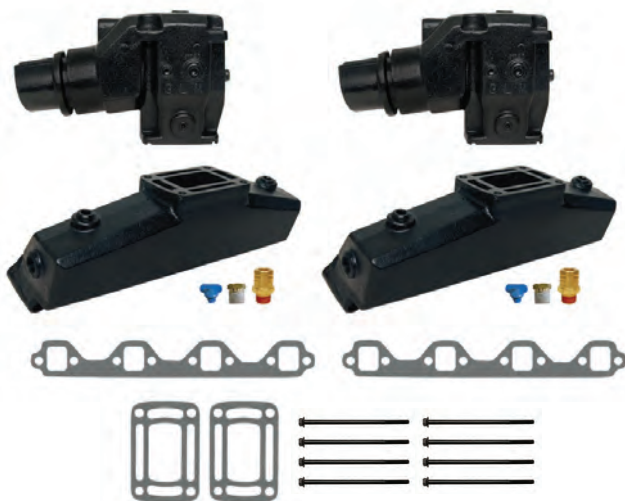


FORD V8 S.B., 302/351 CID (Carb. Engine)

No. 58490

OEM: N/A

No. 51330 Elbows
No. 51490 Manifolds



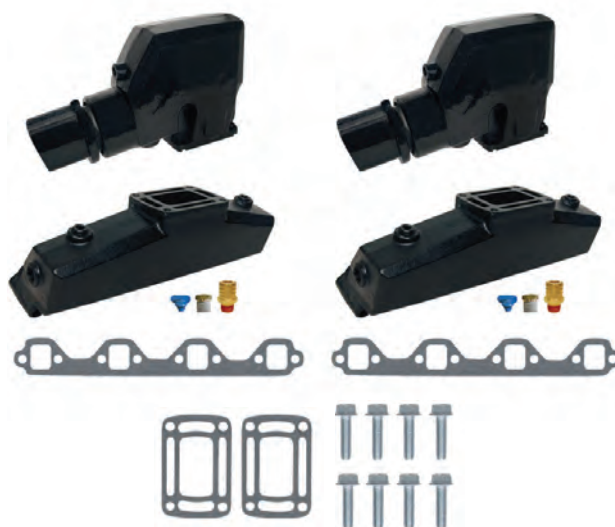
No. 22290 Cap & No. 01071 Clamp NOT included in Kit No. 58490

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

No. 58491

OEM: N/A

No. 51332 Elbow - Port
No. 51334 Elbow - Stbd
No. 51490 Manifolds



No. 22290 Cap & No. 01071 Clamp NOT included in Kit No. 58491



No. 22290

MANIFOLD CAP
OEM: 3852476



No. 01071

CAP CLAMP #10
OEM: 3852602



No. 22290

MANIFOLD CAP
OEM: 3852476



No. 01071

CAP CLAMP #10
OEM: 3852602



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



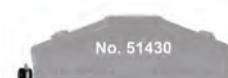
No. 22290

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"

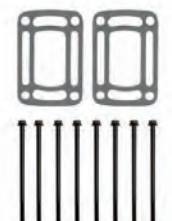
FORD V8 S.B., 302/351 CID (Carb. Engine)

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



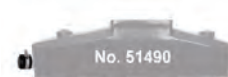
No. 22290

MANIFOLD CAP
OEM: 3852476



No. 01071

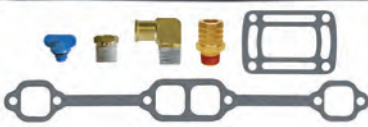
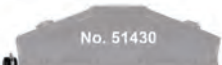
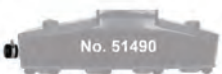
CAP CLAMP #10
OEM: 3852602



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

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

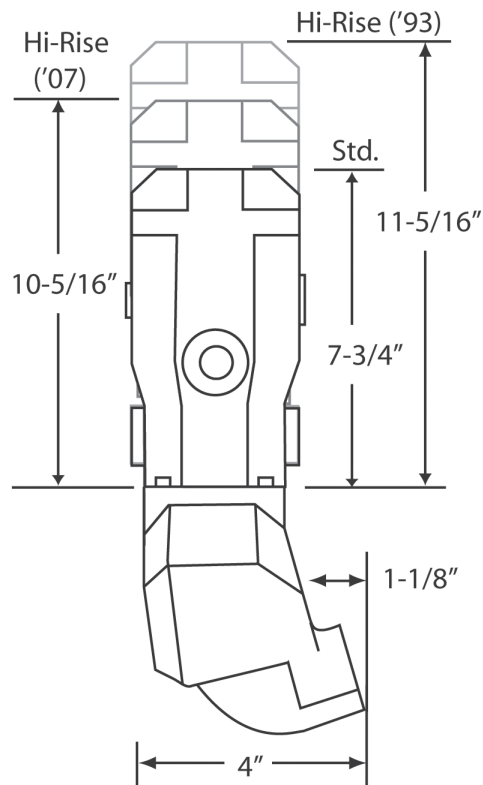
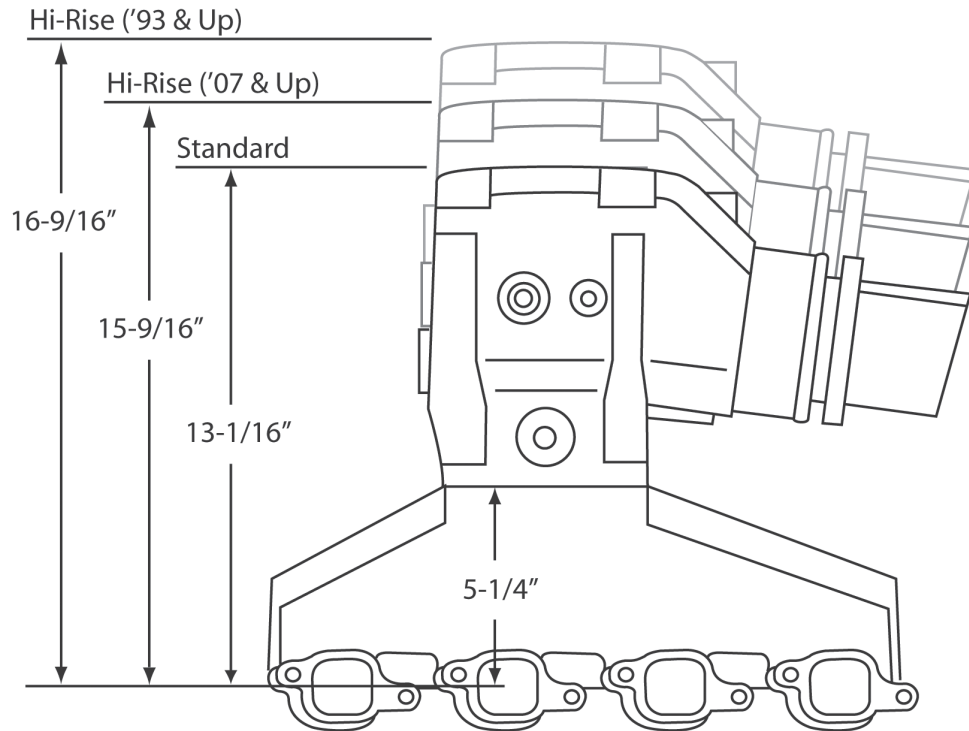
EXHAUST ELBOW
Hi-Rise 11.3" ('93 & Up)
OEM: 3862627

No. 51338

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

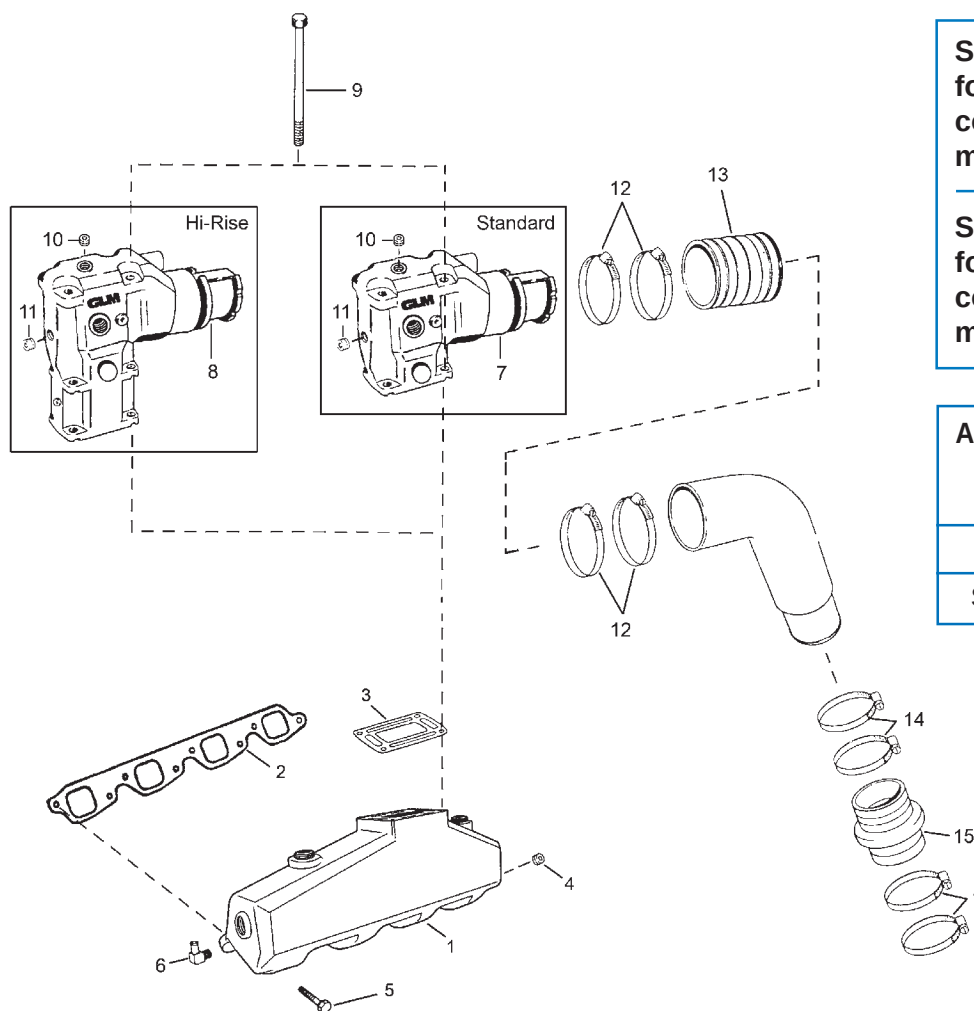
No. 51500

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

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

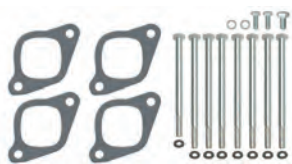
EX. GASKET / HARDWARE KIT

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



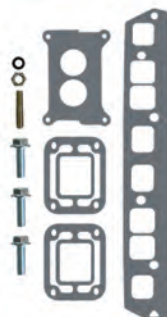
AQ 120/125/131/140/145/151
BB 140/145/230/250,
4-Cyl. (1973-90)

No. 53772

W/ HARDWARE

No. 39771

W/OUT HARDWARE



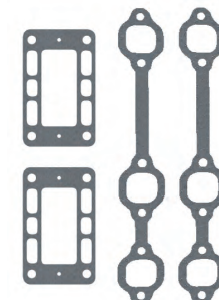
GM 4-Cyl. 181 CID
(1992 & Up)

No. 53640

W/ HARDWARE

No. 39774

W/OUT
HARDWARE



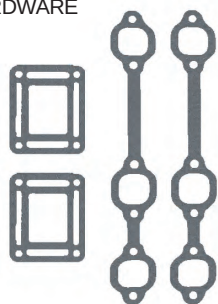
GM V6 AQ175-AQ434
(1993 & Before)

No. 53773

W/ HARDWARE

No. 39773

W/OUT
HARDWARE



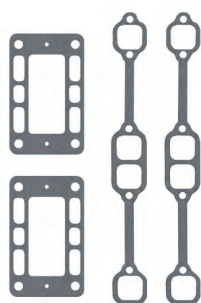
GM V6 4.3L 262 CID
(1991 & Up)

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

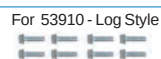
ADAPTER PLATES



Ford 460 to GM 454 Manifold

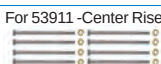
No. 53910

W/ HARDWARE
(For Log Style)



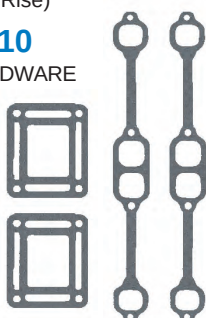
No. 53911

W/ HARDWARE
(For Center-Rise)



No. 39910

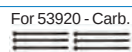
W/OUT HARDWARE



GM V8 S.B.

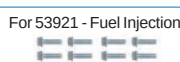
No. 53920

W/ HARDWARE
(For Carb.)



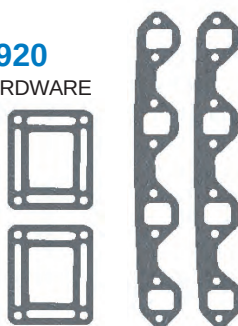
No. 53921

W/ HARDWARE
(For EFI)



No. 39920

W/OUT HARDWARE



FORD V8 S.B. 302/351 CID

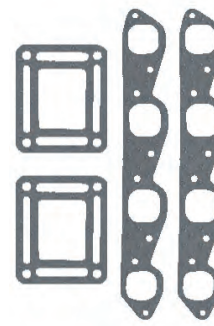
No. 53940

W/ HARDWARE



No. 39940

W/OUT
HARDWARE



GM V8 B.B. 454/502 CID

Volvo Penta

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



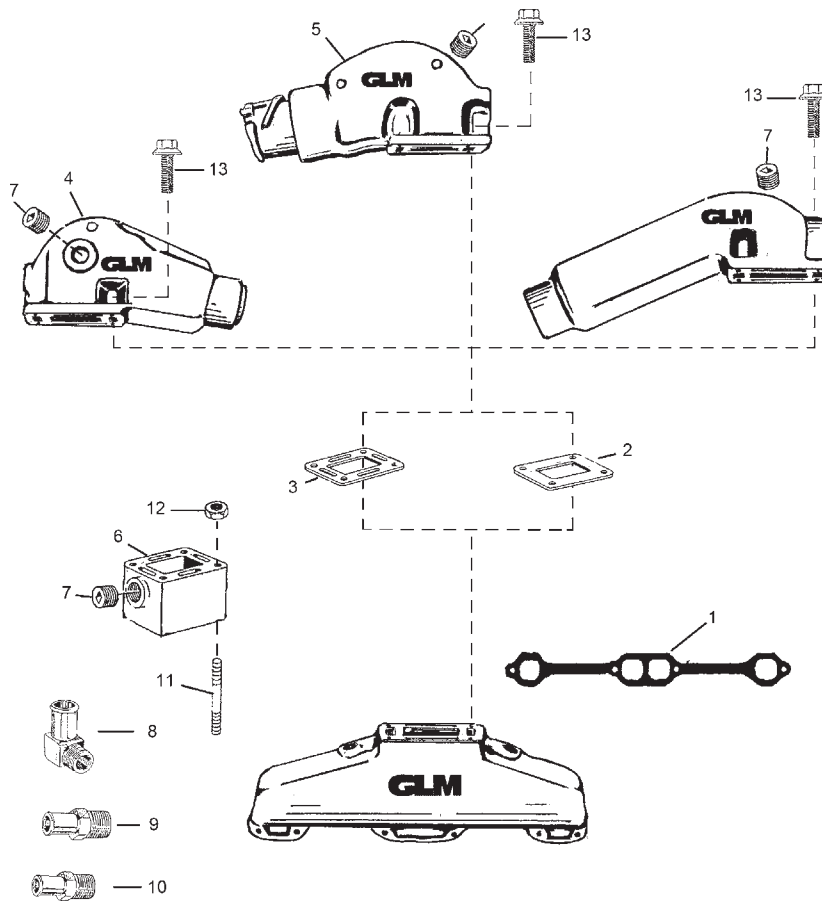
Section 5

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>

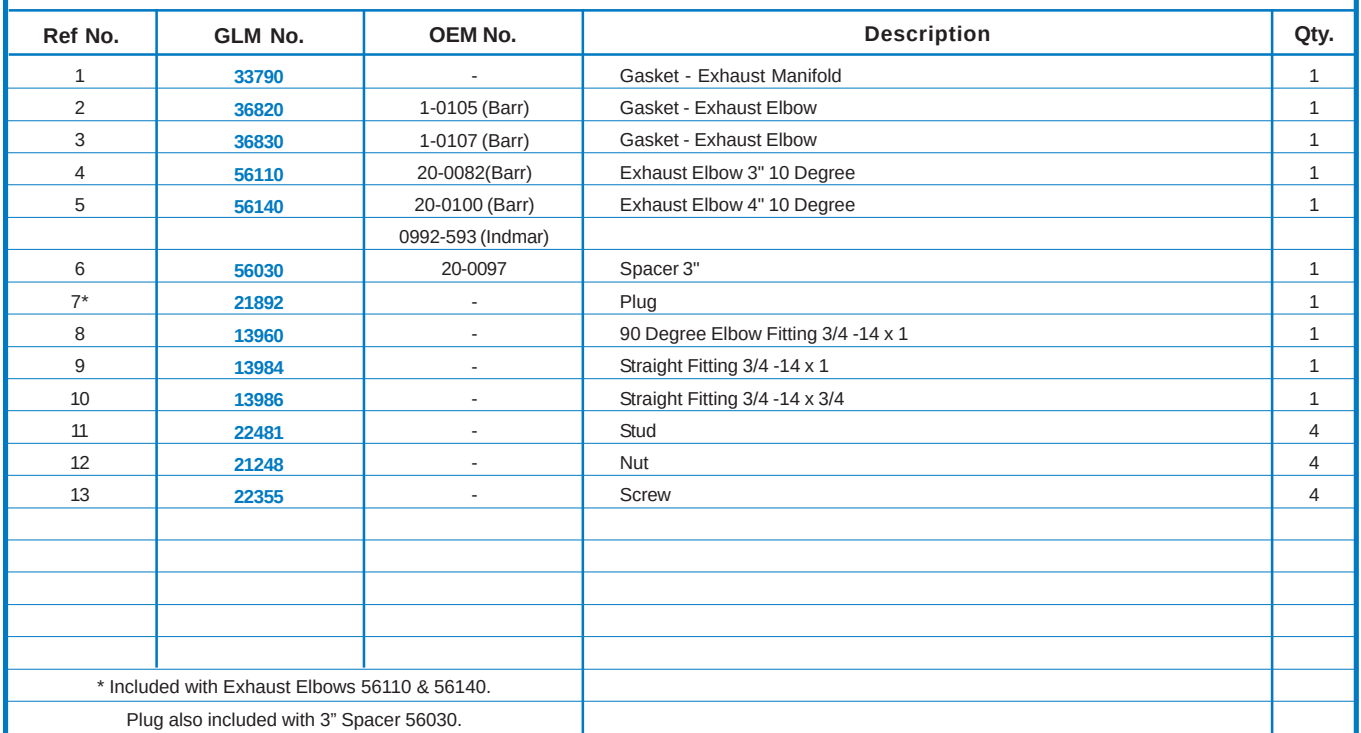
Barr / Indmar / Marine Power

MODEL GM 305/350 CID, V8 S.B.



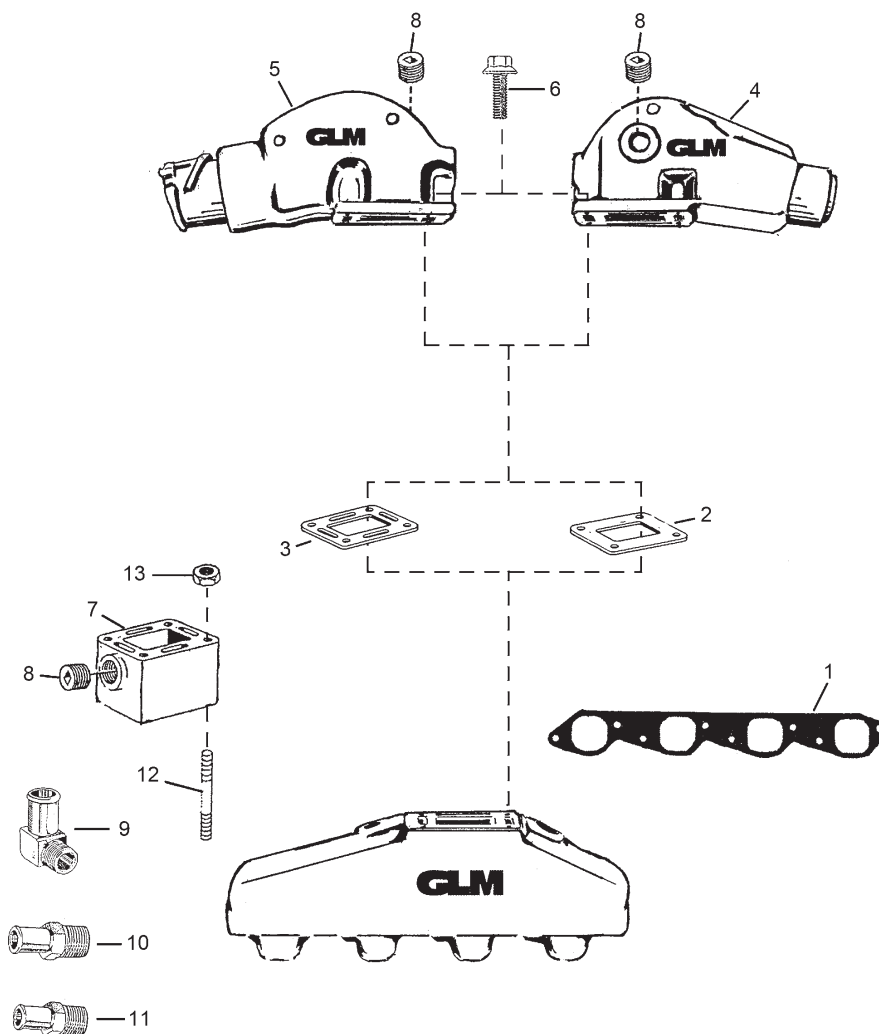
Ref No.	GLM No.	OEM No.	Description	Qty.
1	31100	CHV-47-000	Gasket - Exhaust Manifold	1
2	36820	1-0105 (Barr)	Gasket - Exhaust Elbow	1
3	36830	1-0107 (Barr)	Gasket - Exhaust Elbow	1
4	56110	20-0082 (Barr)	Exhaust Elbow 3" 10 Degrees	1
		0992-000 (M.P.)		
5	56140	20-0100 (Barr)	Exhaust Elbow 4" 10 Degrees	1
		0992-593 (M.P.)		
6	56030	20-0097 (Barr)	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	-	Sud	4
12	21248	-	Nut	4
13	22355	-	Screw	4
* Included with Exhaust Elbows 56110 & 56140.				
Plug also included with 3" Spacer 56030.				

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



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)	Exhaust Elbow 3" 10 Degrees	1
		0992-000 (M.P.)		
5	56140	20-0100 (Barr)	Exhaust Elbow 4" 10 Degrees	1
		0992-593 (M.P.)		
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.)



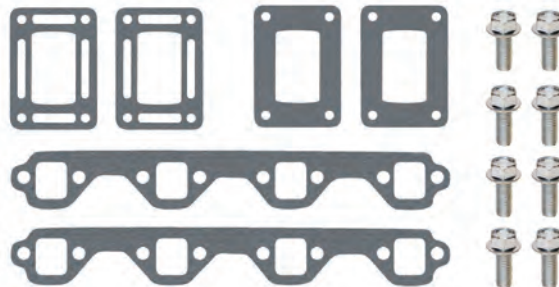
EXHAUST MANIFOLD GASKET AND HARDWARE KITS

No. 53783

W/ HARDWARE
OEM: N/A

No. 39783

W/OUT HARDWARE
OEM: N/A



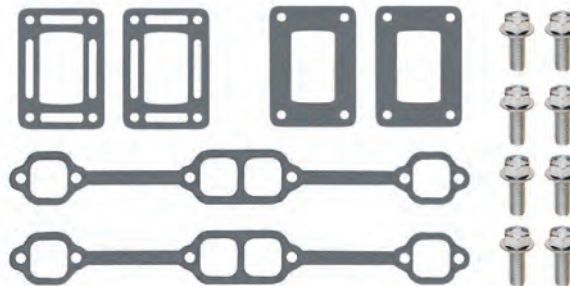
FORD V8 Small Block

No. 53781

W/ HARDWARE
OEM: N/A

No. 39781

W/OUT HARDWARE
OEM: N/A



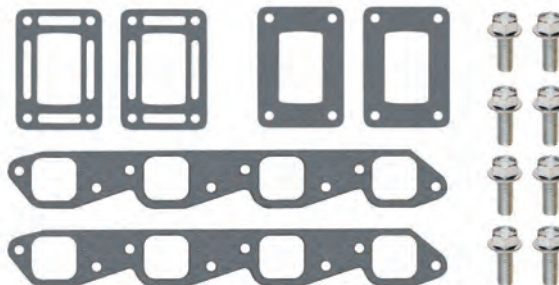
GM V8 Small Block

No. 53782

W/ HARDWARE
OEM: N/A

No. 39782

W/OUT HARDWARE
OEM: N/A



GM V8 Big Block



[illegible]

Limited Warranty of GLM Products, Inc.

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

WARRANTY SERVICE PROCEDURE

- 1) **Claim Submission Requirements:** GLM will approve and honor legitimate warranty claims for products, provided the claim is submitted through an authorized service Dealer. **Do not disassemble any parts (including drive units) that have been assembled by GLM, as doing so may void the warranty.**
- 2) **Warranty Claim Processing:** GLM will credit or reimburse the Dealer for qualified warranty claims that comply with GLM's established warranty policies. All warranty claims must be submitted in writing to GLM Products, Inc. within the warranty period. For detailed information, please refer to the **Limited Warranty of GLM Products, Inc.**

To facilitate prompt and efficient service, please ensure that all warranty claim parts and supporting documentation are shipped directly to GLM. **All warranty claim products must be shipped freight prepaid** to GLM for inspection. Freight charges will only be reimbursed upon warranty claim approval.

- 3) **Return Goods Authorization (RGA) Procedure:** All returns must be pre-approved by GLM and accompanied by a Return Goods Authorization (RGA) number. **Returns without an RGA number will not be accepted.**

To obtain an RGA number, please contact GLM directly. The assigned RGA number must be clearly displayed on the outside of return package(s). Additionally, all related documentation must be included. Returns that do not meet these requirements will be refused.

- 4) **Required Documentation with All Warranty Claims:**

- Completed warranty application, available at www.glmmarine.com, on the back of each GLM Catalog, or through your GLM distributor.
- All parts related to the claim must be returned.
- The following invoices must be provided:
 - Original purchase order from the Dealer.
 - Original invoice for the installation of warranted parts.
 - Proposed invoice/work order for the warranty claim (if applicable).
 - Copies of all invoices for items listed in the proposed invoice. GLM complies with OEM standard flat hours and rates for labor.

- 5) **Shipping Instructions:**

Send claim(s) to: **GLM Products, Inc.**
Attn: Warranty
705 Los Angeles Avenue
Monrovia, CA 91016 USA
RGA#:



WARRANTY CLAIM APPLICATION

Instructions:

Please complete all fields and submit all required materials. Incomplete forms or missing documentation may result in delays in processing your claim. **Do not disassemble any units assembled by GLM.** For claims involving applications that use only GLM parts, please return **only the parts** to GLM - not the complete unit. GLM reserves the right to credit the Dealer or Distributor for all GLM products involved in warranty claims.

Contact Information:

For **Returned Goods Authorization (RGA)** number, please contact GLM at warranty@glmmarine.com or 626-357-0077. All returned goods must have an RGA# marked on the package(s). Returns without an RGA# will be refused. No exceptions. **Ship to: GLM Products, Inc., Attn: Warranty, 705 Los Angeles Avenue, Monrovia, CA 91016 USA.**

RGA #: _____ Date Called: _____ Company Name: _____ Contact Name: _____

Distributor Information:

Company Name: _____ Contact Name: _____
Address: _____ City: _____ State: _____ Zip: _____
Email: _____ Tel: _____ Fax: _____

Dealer Information:

Company Name: _____ Contact Name: _____
Address: _____ City: _____ State: _____ Zip: _____
Email: _____ Tel: _____ Fax: _____

Dealer's Customer Information:

Company Name: _____ Contact Name: _____
Address: _____ City: _____ State: _____ Zip: _____
Email: _____ Tel: _____ Fax: _____

Application Details:

Manufacturer: _____ Model: _____ Year: _____
Length: _____ Beam: _____ Engine / Drive: _____ Horse Power: _____

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

Please list all item(s) being returned and provide a detailed description of the reason for the warranty claim:

(If more space is needed, please continue on back of this form.)

Required Documentation: Please ensure that all required items are submitted with this form. Missing documentation or parts will result in delays in processing your claim. Submit the following items:

1. All parts related to the claim must be returned, regardless of manufacturer.
2. The following invoices must be provided:
 - Original purchase order from the Distributor.
 - Original invoice for the installation of warranted parts.
 - Proposed invoice/work order for repairs submitted to GLM by the Dealer (if applicable).
 - Copies of all invoices for items listed in the proposed invoice. GLM complies with OEM standard flat hours and rates of labor.

Superior Marine Manifolds

Conversion Kits

100% Complete



Gaskets & Hardware Included

MerCruiser V6
MerCruiser V8
OMC GM V6
OMC Ford V8

Wet Joint Manifold Kits

100% Complete



Gaskets & Hardware Included

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

Dry Joint Alternative

Manifold-Elbow Sets



Gaskets & Hardware Included

Replaces your whole dry joint exhaust system!

MerCruiser V6
MerCruiser V8

Exhaust Manifolds

4-Cyl. Log Style



Gaskets Included

MerCruiser 120
MerCruiser 140
MerCruiser 3.0 L
MerCruiser 3.0 LX
OMC 3.0 / 3.0 H.O.
Volvo 3.0 GS

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.



Gaskets Included

MerCruiser Wet
MerCruiser Dry
Volvo Penta
OMC

Dry Joint Manifold Kits

100% Complete



Gaskets & Hardware Included

7" Elbows:
MerCruiser GM V6
MerCruiser GM V8 S.B.
14" Elbows:
MerCruiser GM V6
MerCruiser GM V8 S.B.

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.

Spacer Kits

Wet, Dry & D.J. Alternative



Gaskets & Hardware Included

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

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Anodes



Digital Version:
GXM25V3

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