



MERCUISER SERVICE BULLETIN

Section : 10 (Bulletins)

Number: 71-11-08

Date : 7/22/71

- A. Location of MerCruiser V-8 Stern Drive and Inboard Engine Exhaust Elbows in Relation to Boat Waterline
- B. Exhaust Outlet Location and Installation
- C. Exhaust System Installation
- D. Warranty

REFER TO
BULLETIN NO.

71-11



Mark seven (7) of your new Service Bulletin stickers with "71-11", as shown on left, and attach stickers on Pages 2A-3, 2B-2, 2C-1, 2D-1, 2E-1, 2F-1 and 2G-1 of your new MerCruiser Service Manual.

A. LOCATION of MERCUISER V-8 STERN DRIVE and INBOARD ENGINE EXHAUST ELBOWS in RELATION to BOAT WATERLINE

We have received reports of water entering the exhaust manifolds and combustion chambers of MerCruiser V-8 Stern Drive and Inboard Engines. The problem is caused by exhaust elbows which are not located a sufficient distance above the boat's highest waterline when boat is at rest in the water. It is the obligation of the boat manufacturer or installing dealer to correctly locate the engine for installation. Therefore, if water is present in the exhaust manifolds or combustion chambers of the engine, the product has not caused the problem, unless there is a defective part.

MINIMUM distances and method of measuring a completed installation are shown in the chart (Figure 1) and drawing (Figure 2), over. If distance is less than minimum specified, exhaust elbow risers must be installed as listed in chart (Figure 3).

B. EXHAUST OUTLET LOCATION and INSTALLATION - INBOARD

The exhaust outlet must be located so that a minimum of 1/2" per foot drop exists in the exhaust hose from the engine to the transom outlet with a minimum drop of 4". (This is an American Boat Yacht Council [ABYC] recommendation.)

On Inboard Engines, the exhaust fittings must be slightly above the water line when carrying a full load.

C. EXHAUST SYSTEM INSTALLATION

The exhaust hose, which connects to the exhaust manifold elbows on MerCruiser 200, 215, 225, 250, 270, and 325 Stern Drive Engines and on MerCruiser 215, 250, 270, 325 and 390 Inboard Engines, should be connected so that it does not restrict the flow of discharge water from the elbow.

Hoses must be connected as shown in Figure 4. It is recommended that these hoses be checked when servicing the model engines listed in the preceding paragraph.

Hoses, which are connected as shown in Figure 5, will prevent discharge water from flowing around the entire inside diameter of the hose and will cause a hot spot that may burn thru.

(OVER)

D. WARRANTY

Kiekhaefer Mercury will not honor any warranty claim for parts or engines which "take in" water thru the exhaust system on any MerCruiser Stern Drive or Inboard Engine, unless there is a defect in material or workmanship on the part of Kiekhaefer Mercury.

FIG. 1

MerCruiser Engine Model	"A" Minus "B" Must Be ↓ or More
MCM 215H and 215E	12½"
MCM 225, 250 and 270	14"
MCM 325	14¾"
MIE 215	14"●
MIE 250, 270, 325 and 390	15"▲

- Plus ½" per Foot for 4' and Longer Lines (from Exhaust Elbow Outlet to Exhaust Fitting Outlet).
- ▲ Plus 1" per Foot for Shorter Lines. "Flappers" Must Be Used in All Cases.

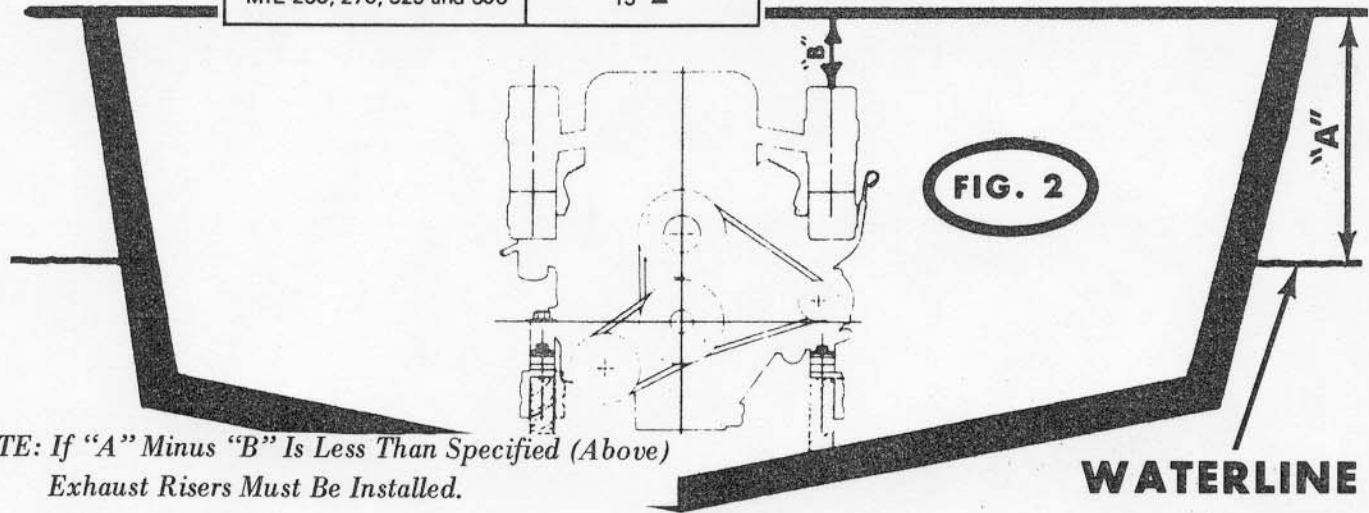


FIG. 2

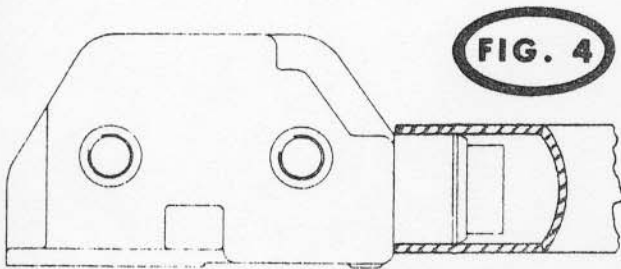
NOTE: If "A" Minus "B" Is Less Than Specified (Above) Exhaust Risers Must Be Installed.

NOTE: Take Measurement "B" at Highest Point in Exhaust Elbow.

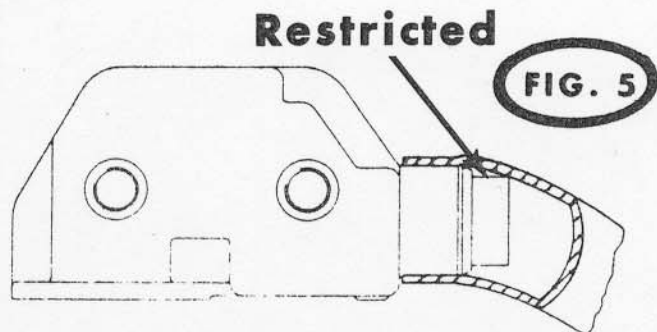
FIG. 3

MerCruiser Engine Model	Quan.	Part No.	Description	U.S. List Price Ea.
MC 215	1	B-57952A2	6" Riser Kit	\$40.95
	1		3" Riser Kit	
	2	C-32-59077A1	Exhaust Extension Kit	3.35
MIE 215	1	B-57952A2	6" Riser Kit	40.95
	1		3" Riser Kit	
MCM and MIE 250, 270, 325	1	B-53452A2	6" Riser Kit	40.95
MCM 225* MIE 390	1	270 & 325 B-61811A3	3" Riser Kit	

* Serial No. 2399398 and Above



CORRECT



INCORRECT