



STERN DRIVES/INBOARD ENGINES

NUMBER: 81-27

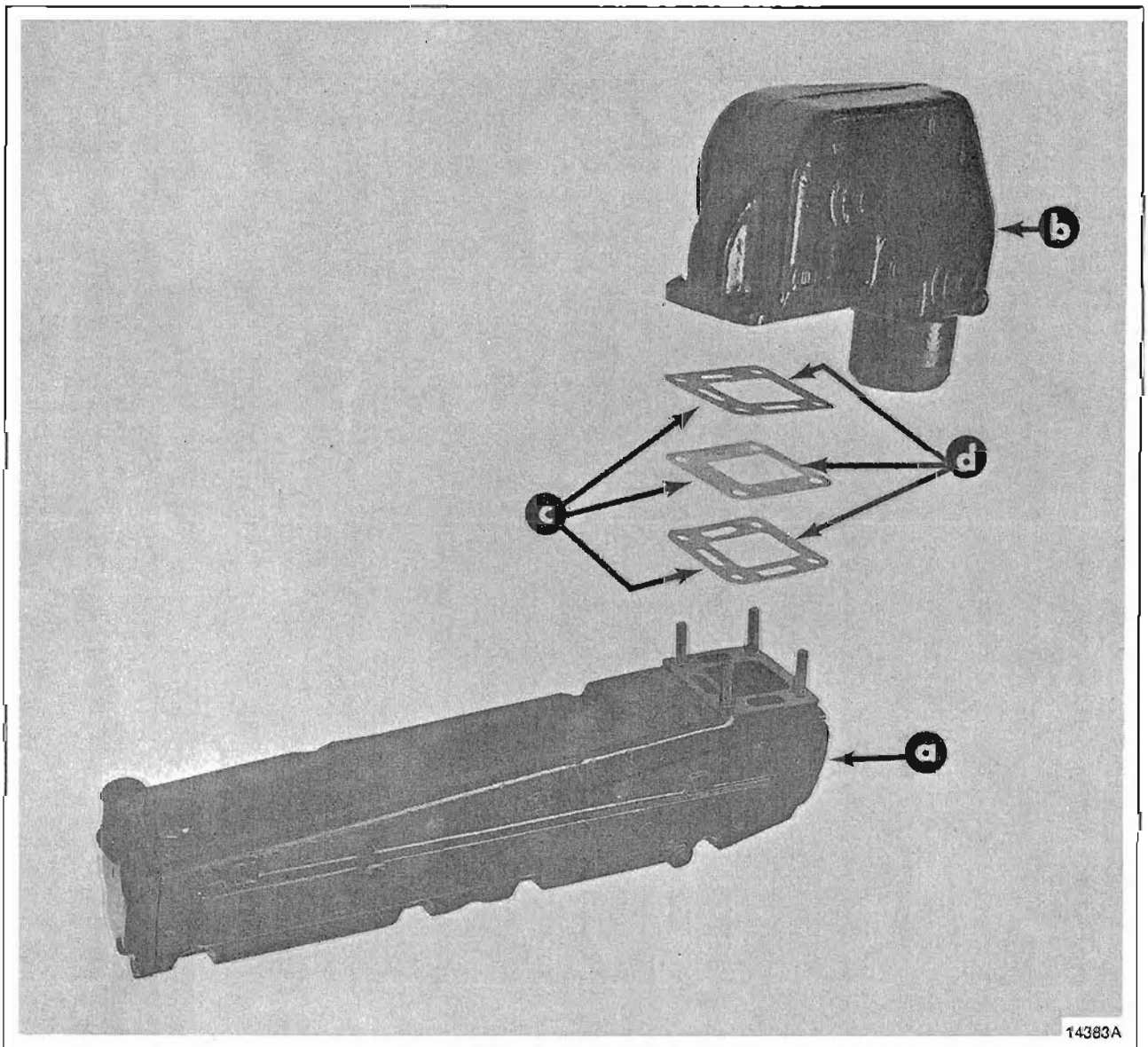
DATE: 11/02/81

- A. Water Entering Engine Via Exhaust Manifold - MCM 898/228/260 and MIE 198/228/255
- B. Use of RTV Sealer C-92-91601-1 on Intake Manifolds - G.M. V-8 Engines
- C. Intake Manifold Gaskets - All MerCruiser V-8 G.M. Engines
- D. Propeller Nut Wrench - C-91-95830A1

CIRCULATE TO:
SERVICE MANAGER
PARTS MANAGER
MECHANICS

A. WATER ENTERING ENGINE VIA EXHAUST MANIFOLD - MCM 898/228/260 and MIE 198/228/255

One possible cause of water entering the above model engines thru the exhaust system is the exhaust manifold-to-exhaust elbow gasket (Part No. B-27-52076) being installed incorrectly. The gasket(s) and plate MUST BE installed as shown in Figure 1.



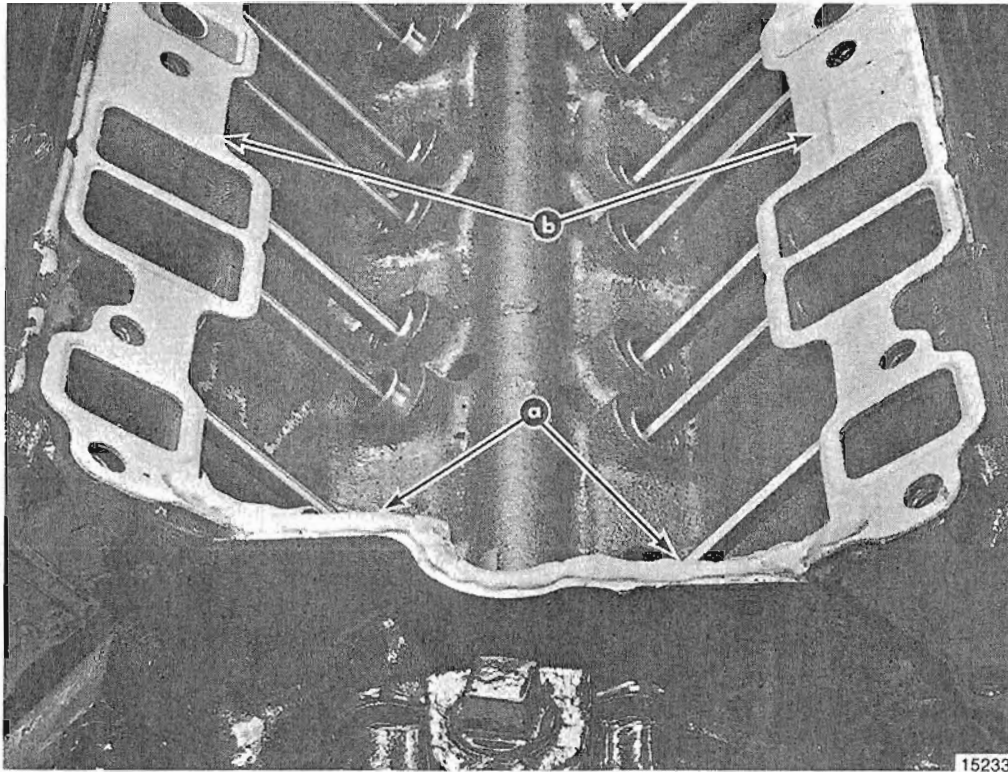
a - Exhaust Manifold
b - Exhaust Elbow

c - Wide Portion of Gaskets/Plate and Manifold/Elbow
d - Narrow Portion of Gaskets/Plate and Manifold/Elbow

Figure 1. Correct Installation of Gasket(s)/Plate

B. USE OF RTV SEALER C-92-91601-1 ON INTAKE MANIFOLDS - G.M. V-8 ENGINES

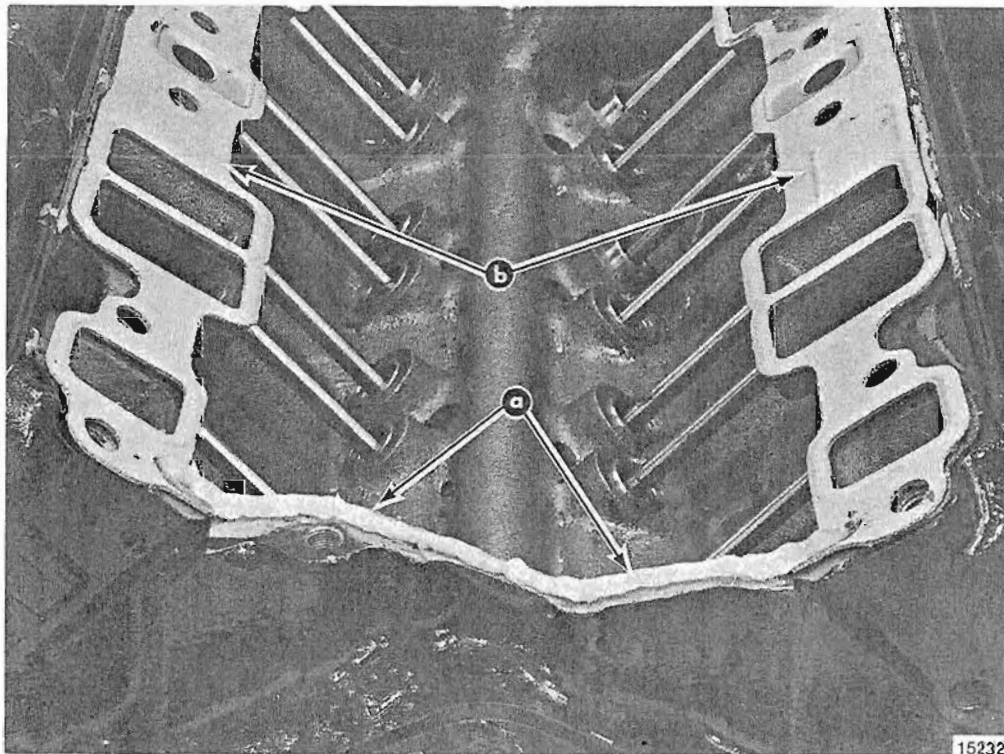
On late production model G.M. V-8 Engines and replacement block assemblies, RTV Sealer must be used as shown in Figure 2 and 3. The locating holes (for forward and aft end seals of intake manifold gasket set) are not drilled into the cylinder block.



a - RTV Sealer

b - Intake Manifold Gaskets

Figure 2. Forward End, Cylinder Block



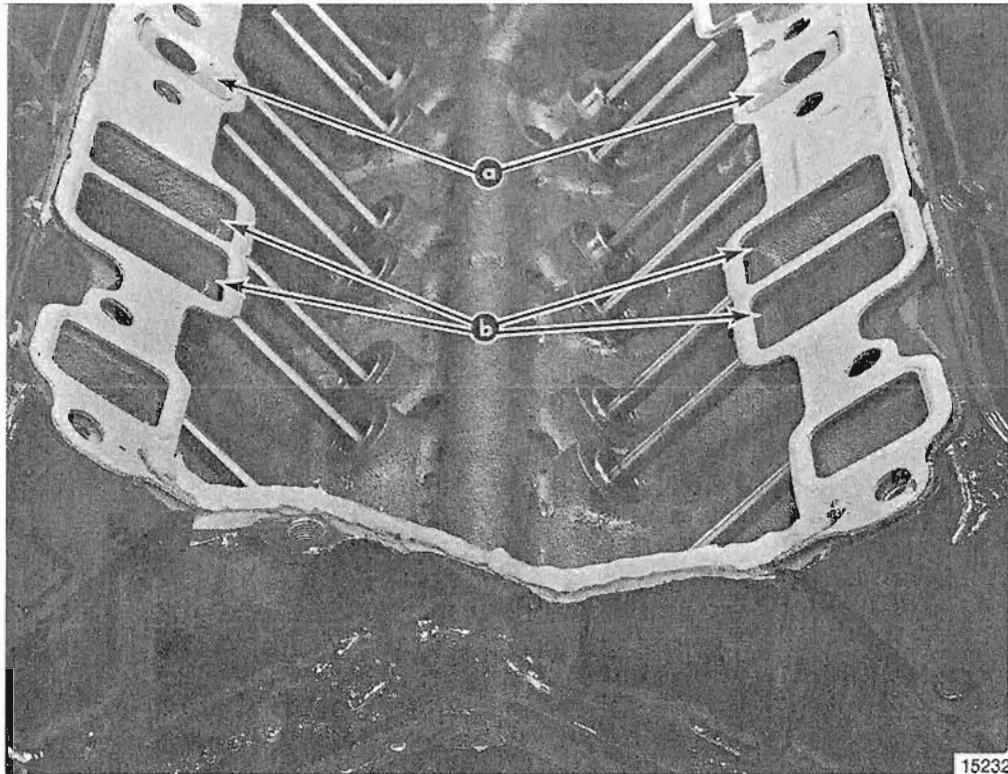
a - RTV Sealer

b - Intake Manifold Gaskets

Figure 3. Aft End, Cylinder Block

C. INTAKE MANIFOLD GASKETS - ALL MERCUISER V-8 G.M. ENGINES

There are intake manifold gasket sets on the market that are advertised as "Marine Use" gasket sets. Care must be taken when installing intake manifold gasket sets. All MerCruiser V-8 G.M. engines that have "automatic" carburetor chokes **MUST USE** an intake gasket that has an opening for the exhaust crossover port in the intake manifold. (Figure 4) Without this opening the "automatic" carburetor choke **WILL NOT OPERATE** properly. The choke will remain "ON" longer causing rough engine operation and wasted fuel.



a - Exhaust Crossover Port Opening in Gasket
b - Intake Valve Ports

Figure 4. Intake Manifold Gaskets, G.M. V-8 Engines

D. PROPELLER NUT WRENCH - C-91-95830A1

A new Propeller Nut Wrench (C-91-95830) is now available. The wrench fits the propeller nut on Mercury Outboards 80 HP and UP and MerCruiser I and TRS. The wrench also can be used to bend the tabs on the tab washer for installation or removal of propeller.

C-91-95830A1

Propeller Nut Wrench

