service bulletin

mercruiser
STERN DRIVES/INBOARD ENGINES

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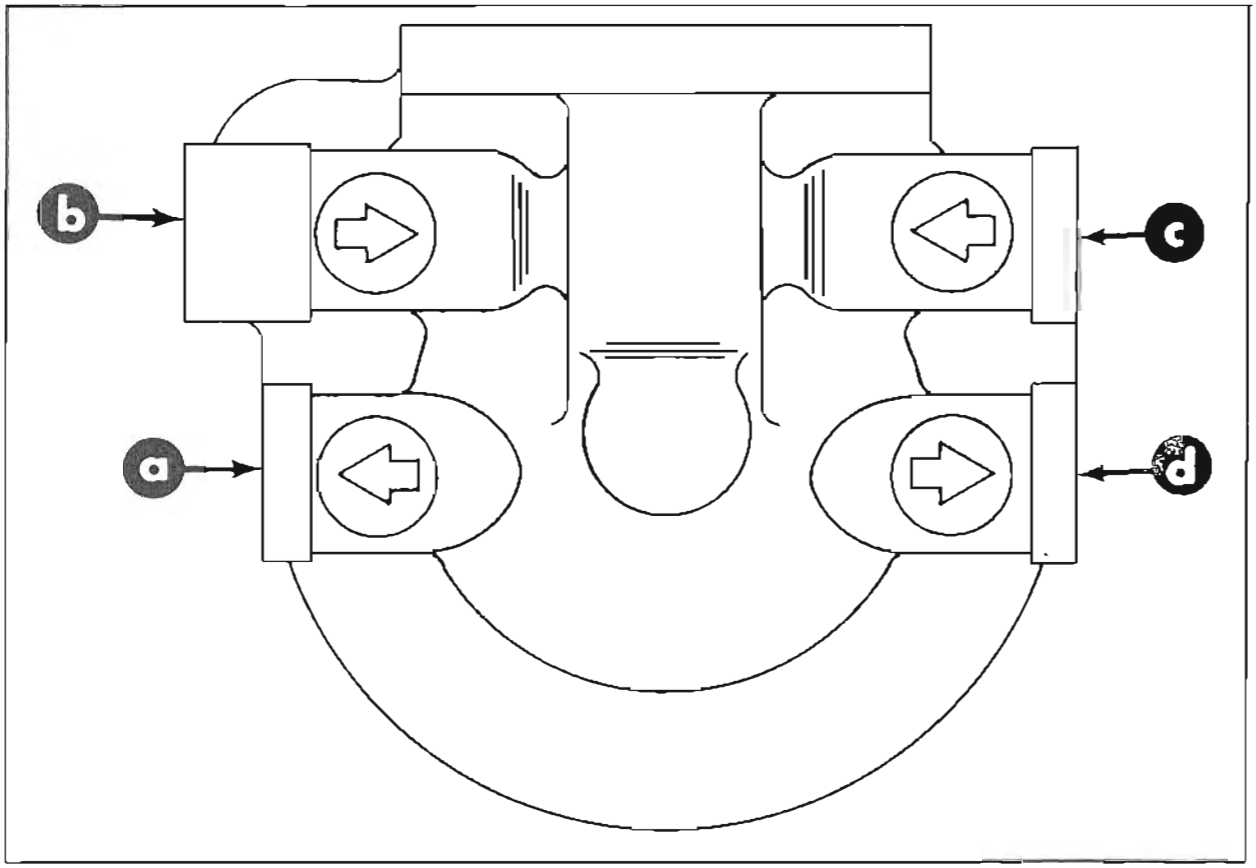
A. Incorrect Inlet Fuel Line Connection to Fuel Filter Base - MIE 260 S.N. 5940856 and Below
B. Audio Warning System Being Activated on Engines With Closed Cooling System - MIE 230/260/340 Models
C. Closed Cooling Thermostat Housing Assemblies and Covers - 305/350 CID V-8 and 454 CID V-8 G.M. Engines

CIRCULATE TO:
SERVICE MANAGER
PARTS MANAGER
MECHANICS

A. INCORRECT INLET FUEL HOSE CONNECTION TO FUEL FILTER BASE - MIE 260 S.N. 5940856 and Below

The engine models above may have the inlet fuel hose connected to the outlet of the Fuel Filter Base. The engine will operate properly, but the fuel will not be filtered as is intended.
Inspect all MIE 260's that are below the Serial Number 5940856 and move fuel inlet hose to Position "b" in Figure 1. Remove pipe plug from Position "b" and reinstall in Position "a".



a - Incorrect Fuel Connection
b - Correct Fuel Connection
c - Plugged Fuel Connection
d - Correct Fuel Connection to Fuel Pump

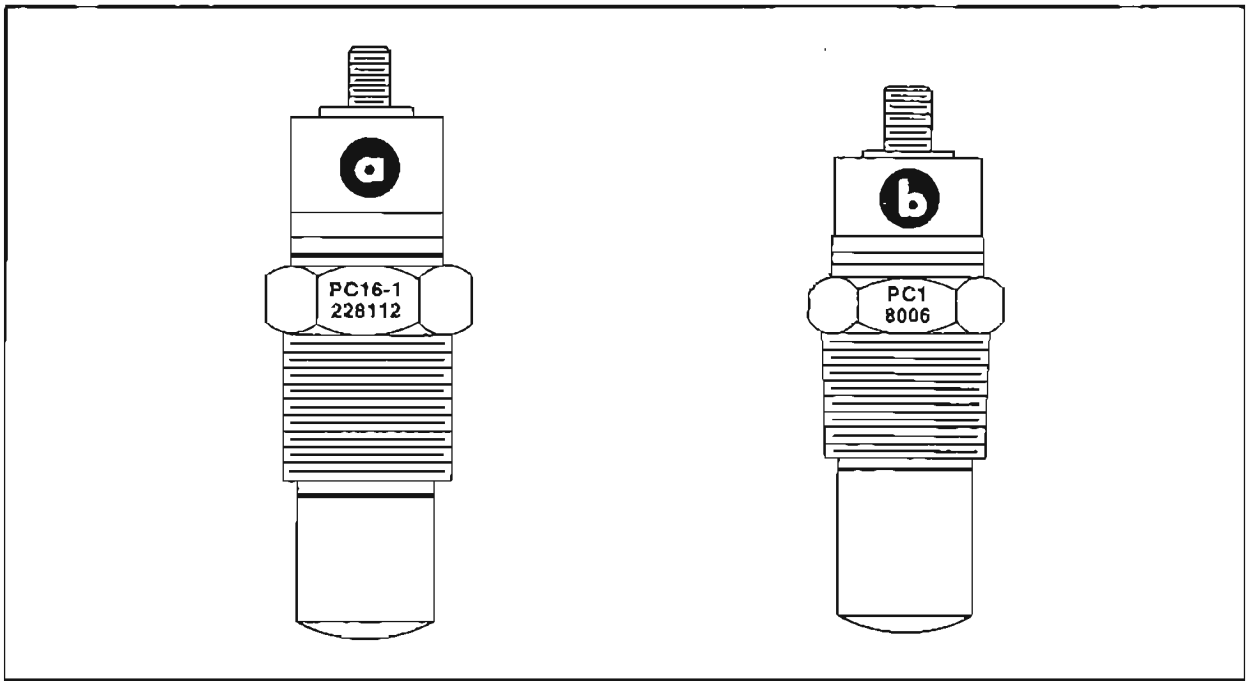
Figure 1. Fuel Filter Base Connections

B. AUDIO WARNING SYSTEM BEING ACTIVATED ON ENGINES WITH CLOSED COOLING SYSTEM - MIE 230/260/340 Models

The Audio Warning System (Buzzer) may indicate a false overheating condition under certain operating conditions on the above model engines.
The Temperature Warning Sender Part No. B-48952, that is installed on all engines is activated (Sender closes) at 190° F (88° C) to 200° F (93° C). It does not open until 150° F (65° C) to 170° F

(76° C). Since it is common for a closed cooled engine to exceed 190° F (88° C) under certain conditions, the Sender is activated.

To correct the above described condition, install Temperature Warning Sender Part No. B-87-86080. This Sender will activate (Sender closes) at 215° F (101° C) to 225° F (107° C) and open again at 175° F (79° C) to 195° F (90° C). The B-87-86080 Sender MUST BE used on all closed cooled MIE 230/260/340 model engines. Also all closed cooling kits for the above model engines will have the B-87-86080 Sender in it.



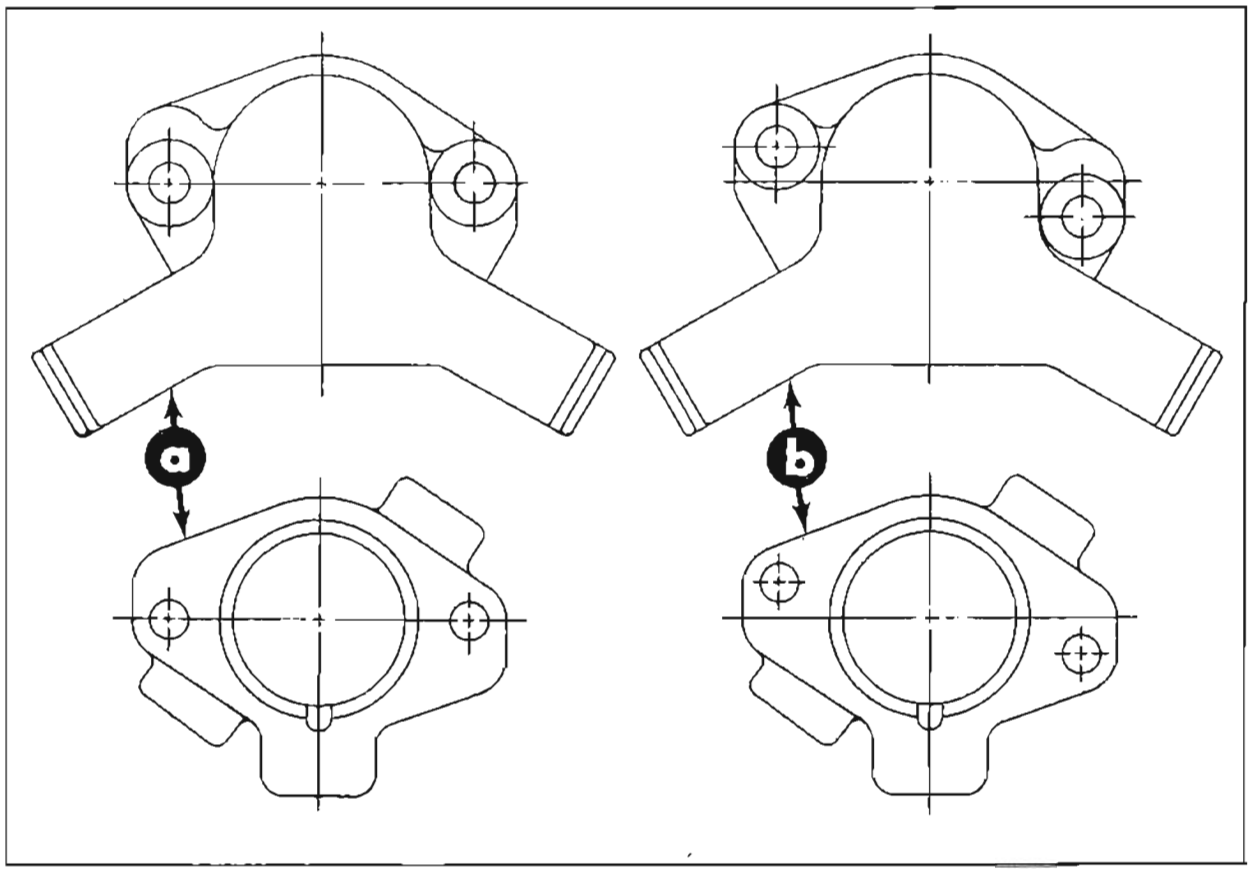
a - B-48952 Sender with Red Mylar Sleeve

b - B-87-86080 Sender with Black Mylar Sleeve

Figure 2. Difference Between Senders

C. CLOSED COOLING THERMOSTAT HOUSING ASSEMBLIES AND COVERS - 305/350 CID V-8 and 454 CID V-8 G.M. Engines

Occasionally a report is received in our Service Department about a mismatch between the Thermostat Housing and Cover Assemblies when installing a Closed Cooling kit. This mismatch will result in a coolant leak. The thermostat housings and covers are made from the same basic castings. HOWEVER, the drilled holes, for mounting the assemblies to the intake manifold, are in different locations for the small block and large block V-8 engines. Refer to Figure 3 for correct location of mounting holes in the different assemblies.



a - 305/350 CID V-8 Engine
b - 454 CID V-8 Engine

Figure 3. Location of Mounting Holes in Thermostat Housing and Cover Assemblies