mercruiser
STERN DRIVES & INBOARDS

service bulletin

TO: SERVICE MANAGER ☐ MECHANICS ☐
PARTS MANAGER ☐

No. 86-13

There may be a possibility of a fuel leak existing on MIE 230/260 engines with rear mounted fresh water cooling. Figure 1 shows engines that should be checked for possible fuel leaks when doing other service.

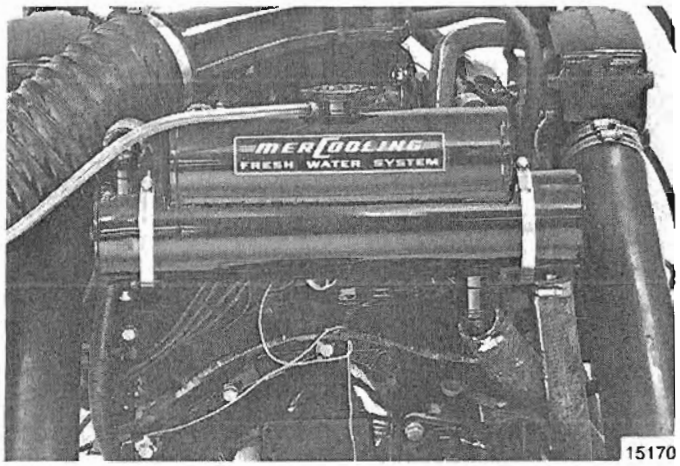
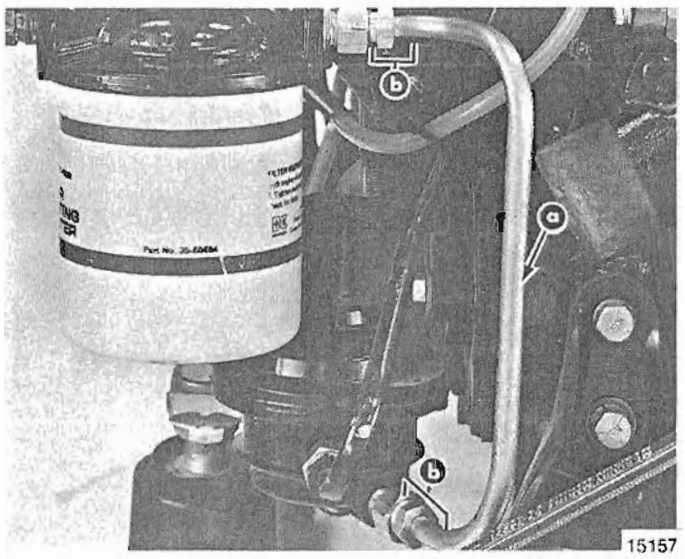


Figure 1. Engines That Should Be Checked Rear Mounted (Transmission End) Fresh Water Cooled MIE 230/260

The possible fuel leak is located at the fuel line between the water separating fuel filter and the fuel pump. (Figure 2).



a - Fuel Line
b - Fuel Line Fittings

Figure 2. Location of Possible Fuel Leak

To check for leaks perform the following:

1. Run engine until warm.
2. As engine is running check for any fuel leaks in area specified.
3. Shut engine off, observe fuel line and fittings for a minimum of 3 minutes for any fuel seepage or leakage.
4. If any fuel leaks are found order 1 32-97326 fuel line and 2 22-33821 fuel line fittings.

⚠WARNING

Be careful when changing fuel system components; gasoline is extremely flammable and highly explosive under certain conditions. Be sure that ignition key is "OFF". DO NOT smoke or allow sources of spark of flame in the area while changing fuel system components. Wipe up any spilled fuel immediately.

5. Remove fuel line between water separating fuel filter and fuel pump.
6. Remove brass fittings that fuel line was attached to (one on water separating fuel filter, one on fuel pump) and discard old fittings.
7. Coat new brass fitting threads with Loctite pipe sealant with Teflon. (Do not use Teflon tape) Torque fittings to 15 lbs. ft. (20 N.m).

⚠CAUTION

Coat fuel line inlet fitting threads with Loctite pipe sealant with Teflon (do not use Teflon tape). Torque to specifications.

8. Install new fuel line to fittings and torque to 20 lbs. ft. (27 N.m).
9. Start engine and check for fuel leaks.
10. Shut engine off and check for fuel leaks on vacuum side of fuel pump. Wait at least 2 minutes before closing engine hatch.

⚠WARNING

Make sure no fuel leaks exist, before closing engine hatch.