

NUMBER: 81-2

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CIRCULATE TO:
SERVICE MANAGER
PARTS MANAGER
MECHANICS

- A. Insufficient Engine Intake Air
- B. MCM 470-485 Torque Specification Change
- C. Quadrajets Carburetor Rough Idle

A. INSUFFICIENT ENGINE INTAKE AIR

Engine compartment **MUST BE** properly vented to provide a sufficient amount of air for engine breathing. Air intake and exhaust openings **MUST BE** large enough to provide an unrestricted volume of air under all operating conditions. Pressure differential (outside engine compartment) should not exceed 2" (51mm) water (measured with manometer) at maximum air flow rate.

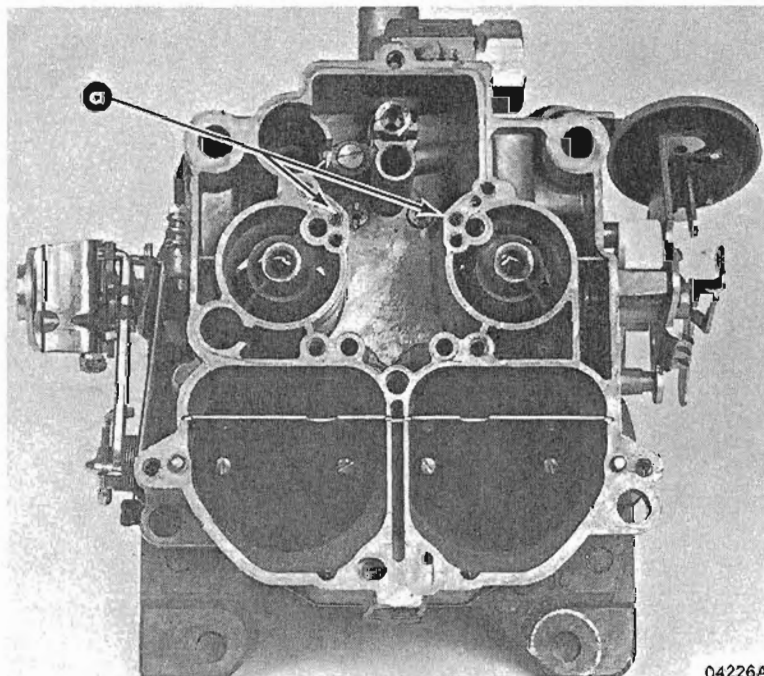
Insufficient air intake can cause one or all of the following problems, loss of engine power, overheating or fuel vapor lock. If engine RPM increase when the engine hatch cover is opened (while running at full throttle) indicates improper venting.

B. MCM 470-485 TORQUE SPECIFICATION CHANGE

MCM 470 and 485 alternator rotor assembly attaching screw, Part No. 10-59644 torque specification is 45-50 Ft. Lbs. in the current service manual information. The new torque specification is 75 Ft. Lbs. This change will follow in service manual up dates.

C. QUADRAJET CARBURETOR ROUGH IDLE

Our Service Department checked several Quadrajets Carburetors (MerCruiser 228-260) that were sent in for warranty. The complaint was engines would not idle smoothly and could not be adjusted with the idle adjustment screws. It was determined, the idle air vent tubes were plugged. To correct this problem, run a fine wire through the vent tubes. (See Figure 1 for location.) Smaller wire than the opening at the bottom of the tube must be used. The vent tubes are tapered down smaller at the bottom.



a - Idle Air Vent Tubes

**Figure 1. Air Vent Tube Location
in Quadrajets Carburetor**

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