Recirculation System Servicing

mportant A disfunctional recirculation system will cause one or more of the following operational symptoms:

- Erratic or poor idle characteristics
- Fouled spark plugs in lower cylinders
- Excessive smoke when accelerated after extended idle
- Idle quality unusually sensitive to trim angle

Before proceeding with these tests, the engine's operating temperature must be above the minimum specifications listed in Section 4.

Function Test at Cylinder Block - All Models

- 1. Connect an 1/8 in. I.D. clear vinyl hose between the cylinder block hose fitting and a syringe filled with isopropyl alcohol.
- 2. Press lightly on the syringe plunger:

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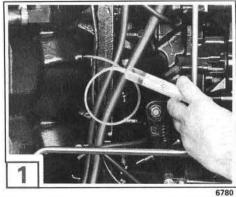
- Fluid should move freely through the fitting.
- If fluid does not move freely through the fitting, clean fitting with OMC Cleaning Tool, P/N 326623.
- 3. Repeat Steps 1 and 2 for each cylinder block fitting.

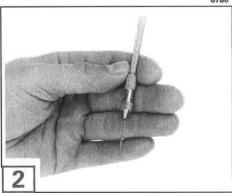
Function Test at Inline Check Valve - V4, V8

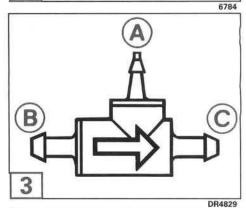
- 1. Disconnect the inline check valve from the recirculation system.
- 2. Connect an 1/8 in. I.D. clear vinyl hose between fitting (A) and a syringe filled with isopropyl alcohol.
- 3. Press lightly on the syringe plunger:
 - Fluid should only move freely through fitting ©.
 - If fluid moves freely through fitting (B), replace the inline check valve.
- 4. Move the vinyl hose to fitting **B.** Press lightly on the syringe plunger:
 - Fluid should only move freely through fitting ©.
 - If fluid moves freely through fitting (A), replace the inline check valve.
- 5. Move the vinyl hose to fitting ©. Press lightly on the syringe 3 plunger:
 - Fluid should not move freely through either fitting (A) or
 - If fluid moves freely through fitting (A) or (B), replace the inline check valve.

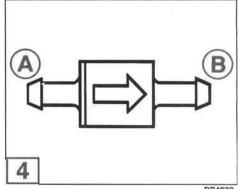
Function Test at Inline Check Valve - V6

- 1. Disconnect the inline check valve from the recirculation system.
- 2. Connect an 1/8 in. I.D. clear vinyl hose between fitting (A) and a syringe filled with isopropyl alcohol.









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