

3-77. WATER CROSSOVER MAINTENANCE

This task covers:

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| <p>a. Removal</p> <p>b. Inspection</p> | <p>c. Installation</p> |
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INITIAL SETUP:

Tools

General mechanic's tool kit:
automotive (Appendix B, Item 1)

Materials/Parts

Two gaskets (Appendix G, Item 51)

Manual References

TM 9-2320 280-24P

Equipment Condition

- Cooling system drained (para. 3-60).
- Fan temperature switch removed (para. 4-30).
- Glow plug controller removed (para. 4-29).
- Thermostat removed (para. 3-75).

General Safety Instructions

Gaskets installed on some 6.2L engines assembled prior to 1991 may contain asbestos. Gaskets should be disposed of IAW current directives.

a. Removal

1. Loosen three clamps (2) and disconnect hoses (1) from water crossover (4).
2. Remove four capscrews (6) from water crossover (4) and cylinder head (8).

WARNING

Gaskets installed on some 6.2L engines assembled prior to 1991 may contain asbestos. Gaskets should be removed with a scraper or putty knife and then be disposed of IAW current directives. Inhalation of asbestos fibers can cause respiratory ailments.

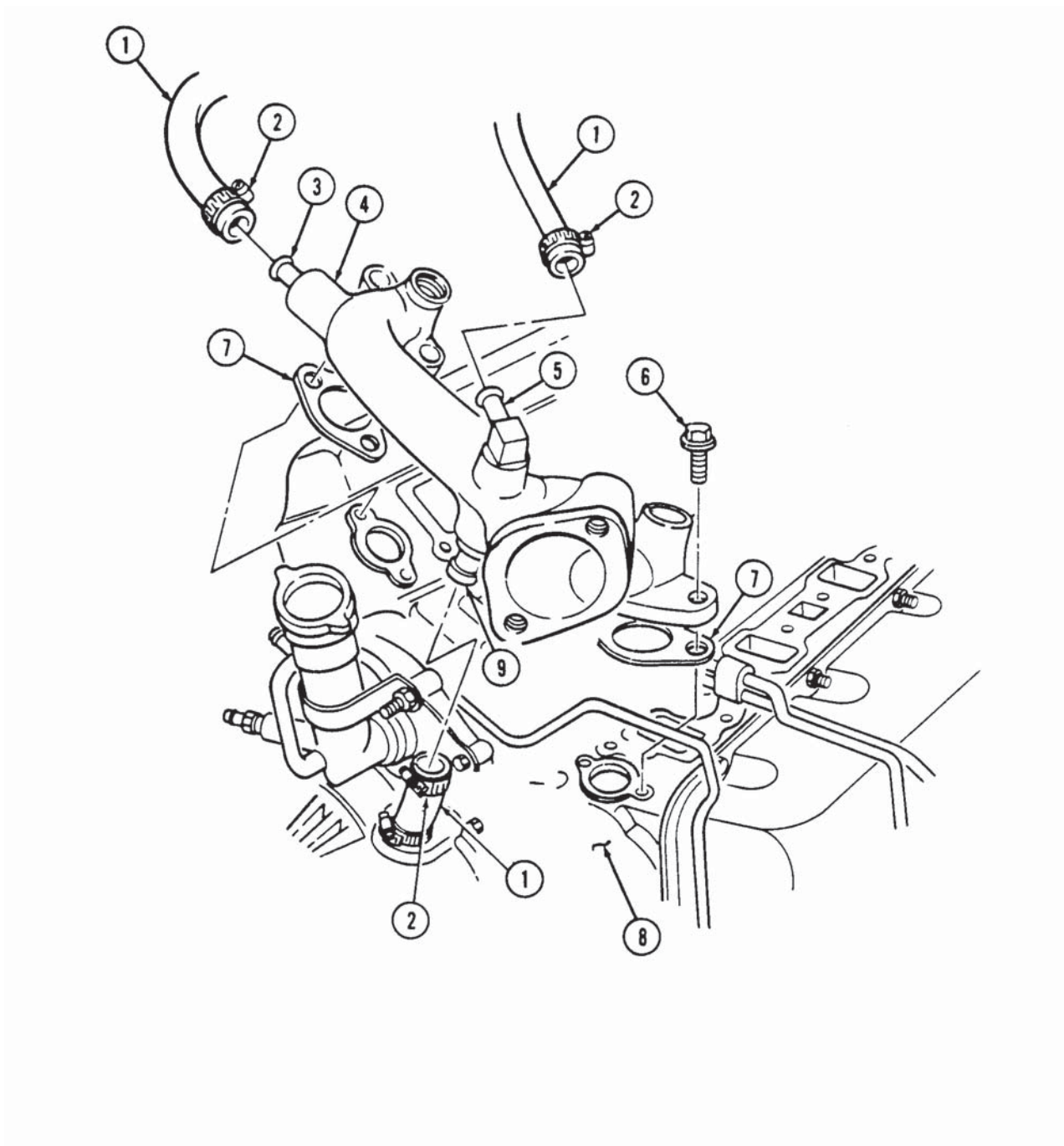
3. Remove water crossover (4) and two gaskets (7). Discard gaskets (7).
4. Clean gasket surface on water crossover (4) and cylinder head (8).

b. Inspection

Inspect thermostat by-pass nipple (3), surge tank hose nipple (5) and water pump hose adapter (9) for cracks or breaks. Replace if defective.

c. Installation

1. Install two gaskets (7) and water crossover (4) on cylinder head (8).
2. Secure water crossover (4) to cylinder head (8) with four capscrews (6). Tighten capscrews (6) to 25-35 lb-ft (34-50 N•m).
3. Connect three hoses (1) to water crossover (4) with clamps (2).

3-77. WATER CROSSOVER MAINTENANCE (Cont'd)

- FOLLOW-ON TASKS:
- Install thermostat (para. 3-75).
 - Install glow plug controller (para. 4-29).
 - Install fan temperature switch (para. 4-30).
 - Fill cooling system (para. 3-60).