

5. COOLING SYSTEM

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SERVICE INFORMATION

▲ WARNING

- Wait until the engine is cool before slowly removing the radiator cap. Removing the cap while the engine is hot and the coolant is under pressure may cause serious scalding.
- Radiator coolant is toxic. Keep it away from eyes, mouth, skin and clothes.
 - If any coolant gets in your eyes, rinse them with water and consult a doctor immediately.
 - If any coolant is swallowed, induce vomiting, gargle and consult a physician immediately.
 - If any coolant gets on your skin or clothes, rinse thoroughly with plenty of water.
- KEEP OUT OF REACH OF CHILDREN

- Add coolant at the reserve tank. Do not remove the radiator cap except to refill or drain the system.
- All cooling system service can be done with the engine in the frame.
- Avoid spilling coolant on painted surfaces.
- For coolant replacement, refer to section 5 of the Common Service Manual; in this manual, only the coolant draining procedure is described.
- After servicing the system, check for leaks with a cooling system tester.
- For fan motor switch and thermo sensor inspections, refer to section 25 of the Common Service Manual; for the switch and sensor locations, see page 17-2 of this manual.

TROUBLESHOOTING

Engine temperature too high

- Faulty temperature gauge or thermo sensor
- Thermostat stuck closed
- Faulty radiator cap
- Insufficient coolant
- Passages blocked in radiator, hoses or water jacket
- Air in system
- Faulty cooling fan motor
- Faulty fan motor switch
- Faulty water pump

Engine temperature too low

- Faulty temperature gauge or thermo sensor
- Thermostat stuck open
- Faulty fan motor switch

Coolant leaks

- Faulty oil pump mechanical seal
- Deteriorated O-ring
- Faulty radiator cap
- Damaged cylinder gasket
- Loose hose connection or clamp
- Damaged or deteriorated hoses