6. COOLING SYSTEM

SERVICE INFORMATION

GENERAL

⚠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.***

CAUTION:

Using coolant with silicate inhibitors may cause premature wear of water pump seals or blockage of radiator passages. Using tap water may cause engine damage.

- Add cooling system at the reserve tank. Do not remove the radiator cap except to refill or drain the system.
- All cooling system services can be done with the engine in the frame.
- Avoid spilling coolant on painted surfaces.
- After servicing the system, check for leaks with a cooling system tester.
- Refer to section 19 for fan motor switch and coolant temperature sensor inspection.

SPECIFICATIONS

ITEM		SPECIFICATIONS
Coolant capacity	Radiator and engine	3.2 ℓ (0.85 US gal , 0.70 Imp gal)
	Reserve tank	1.1 ℓ (0.29 US gal , 0.24 Imp gal)
Radiator cap relief pressure		108—137 kPa (1.1—1.4 kgf/cm², 16—20 psi)
Thermostat	Begin to open	80—84 °C (176—183 °F)
	Fully open	95 °C (203 °F)
	Valve lift	8 mm (0.3 in) minimum
Recommended antifreeze		High quality ethylene glycol antifreeze containing corrosion protection inhibitors.
Standard coolant concentration		50% mixture with soft water

TORQUE VALUES

Water pump cover bolt	13 N·m (1.3 kgf·m , 9 lbf·ft)	CT bolt
ECT (Engine Coolant Temperature)/thermo sensor	10 N·m (1.0 kgf·m , 7 lbf·ft)	Apply sealant to the threads
Fan motor nut	2 N·m (0.25 kgf·m , 1.8 lbf·ft)	Apply a locking agent to the threads
Fan motor switch	18 N·m (1.8 kgf·m , 13 lbf·ft)	Apply sealant to the threads