

6. COOLING SYSTEM

SERVICE INFORMATION	6-1	RADIATOR/COOLING FAN	6-6
TROUBLESHOOTING	6-2	RADIATOR RESERVE TANK	6-9
SYSTEM TESTING	6-3	THERMOSTAT	6-10
COOLANT REPLACEMENT	6-4	WATER PUMP	6-11

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.**

- Use only distilled water and ethylene glycol in the cooling system. A 50–50 mixture is recommended for maximum corrosion protection. Do not use alcohol-based antifreeze or an antifreeze with self-sealing properties.
- 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.
- After servicing the system, check for leaks with a cooling system tester.
- Refer to section 19 for coolant temperature indicator and fan motor switch.

SPECIFICATIONS

ITEM		SPECIFICATIONS
Coolant capacity	Radiator and engine	2.86 l (0.756 US gal , 0.629 Imp gal)
	Reserve tank	0.71 l (0.188 US gal , 0.156 Imp gal)
Radiator cap relief pressure		108 – 137 kPa (1.1 – 1.4 kgf/cm ² , 16 – 20 psi)
Thermostat	Begin to open	163 – 171 °F (73 – 77 °C)
	Fully open	194 °F (90 °C)
	Valve lift	8 mm (0.3 in) minimum

TOOLS

Bearing remover set, 10 mm	07936-GE00000
–Bearing remover shaft	07936-GE00100
–Bearing remover, 10 mm	07936-GE00200
–Sliding weight	07741-0010201
Driver	07749-0010000
Attachment, 28 × 30 mm	07946-1870100
Pilot, 10 mm	07746-0040100
Mechanical seal driver attachment	07945-4150400