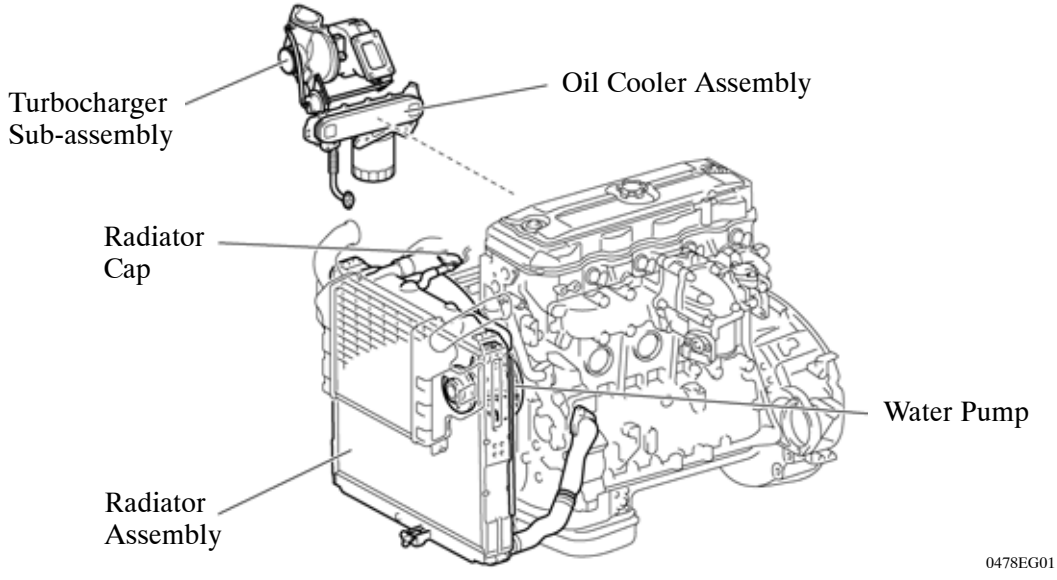
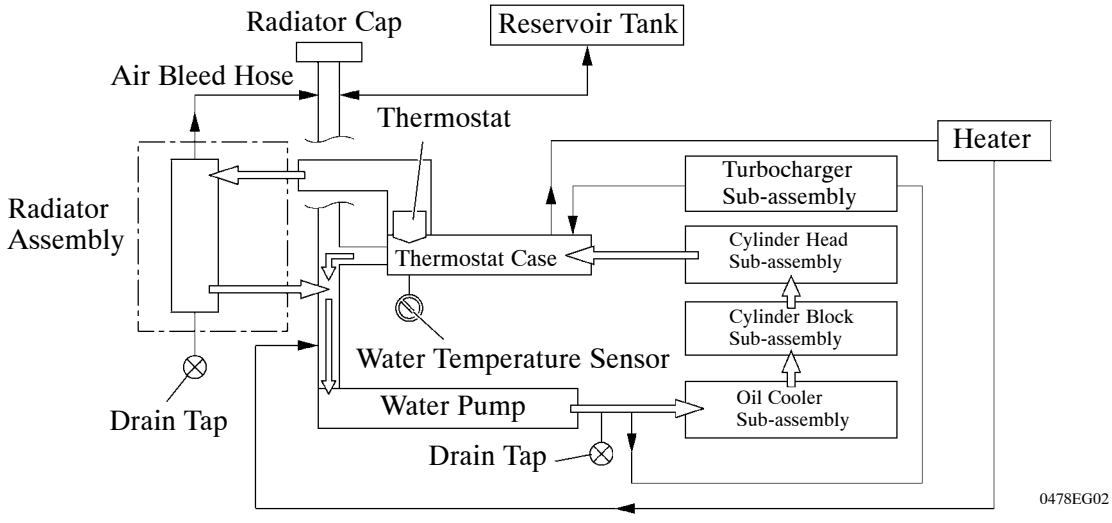
■COOLING SYSTEM

1. General

An outlet thermostat type, water-cooled, pressurized circulation cooling system that uses a thermostat with a bypass valve at the water outlet is used.

- The valve opening temperature of the thermostat is set to 82°C.
- The water pump is mounted in front of the cylinder block sub-assembly and is driven by the V-belt.
- A radiator with an aluminum core is used for weight reduction and high recyclability. An air bleed hose has been provided between the radiator tank and the radiator cap to facilitate the bleeding of air from the cooling circuit.
- The cooling performance target value (target engine coolant temperature, etc.) has been reviewed to improve the efficiency of the engine.
- The system also circulates coolant through the turbocharger and the oil cooler in order to cool them.
- TOYOTA genuine SLLC (Super Long Life Coolant) is used.





▶ Specifications ◀

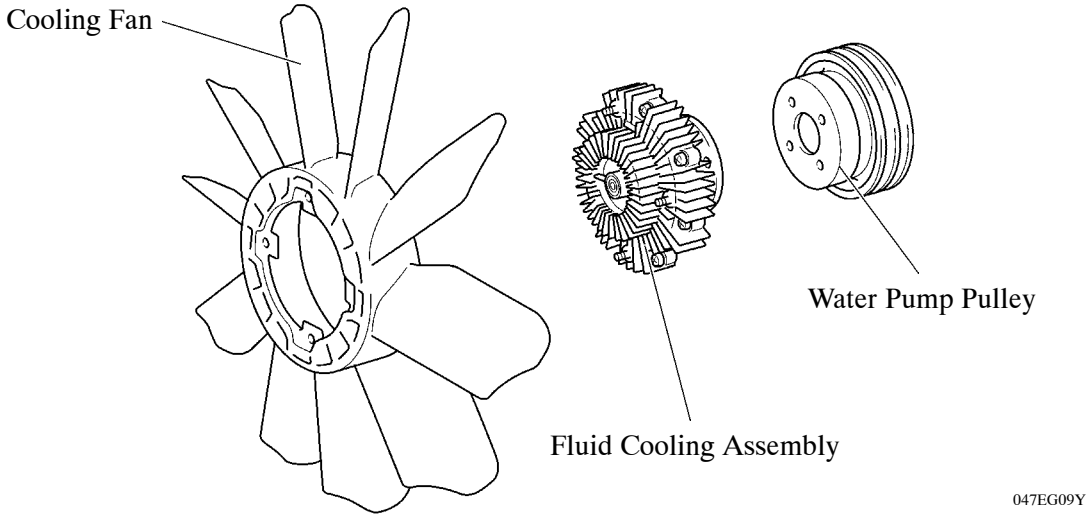
Capacity liters (US qts, Imp. qts)		14.35 (15.17, 12.63)
Type		TOYOTA Genuine SLLC or equivalent as shown as below*
Color		Pink
Maintenance Interval	First Time	160,000 km (100,000 miles)
	Subsequent	Every 80,000 km (50,000 miles)

- SLLC is pre-mixed (50% coolant and 50% deionized water). Therefore, no dilution is needed when SLLC is added or replaced.
- If LLC is mixed with SLLC, the interval for LLC (every 40,000 km/25,000 miles or 24 months (whichever comes first) should be used.

*: Similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology (coolant with hybrid organic acid technology consists is a combination of low phosphates and organic acids)

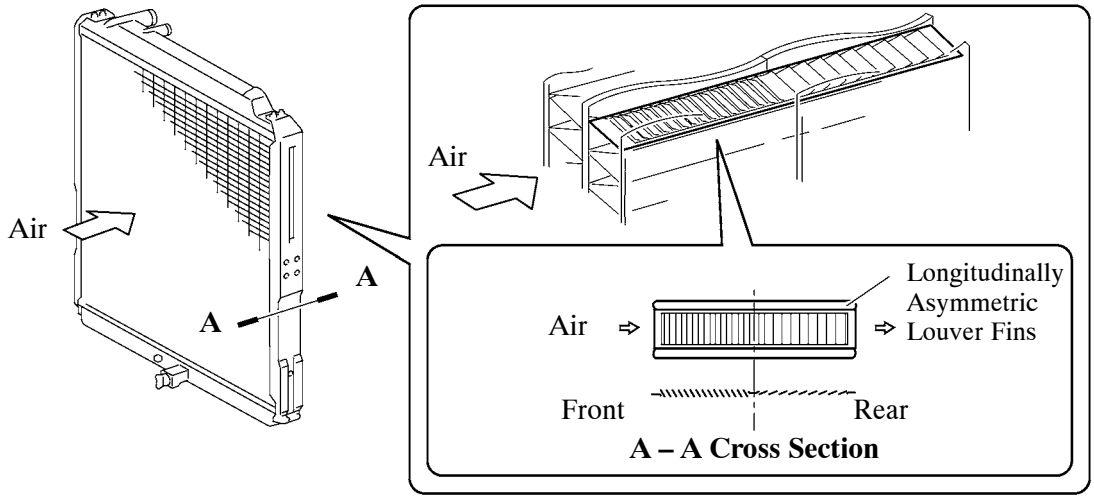
2. Cooling Fan

- A cooling fan with an outer diameter of 450 mm and 10 blades is used.
- A large-diameter fluid cooling assembly is used to improve the transmission of torque to the cooling fan.



3. Radiator

- Longitudinally asymmetric louver fins are used in the radiator core. This achieves a large tube heat dissipation surface area and ensures a high amount of heat dissipation.
- A radiator with an aluminum core is used for weight reduction and high recyclability.



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