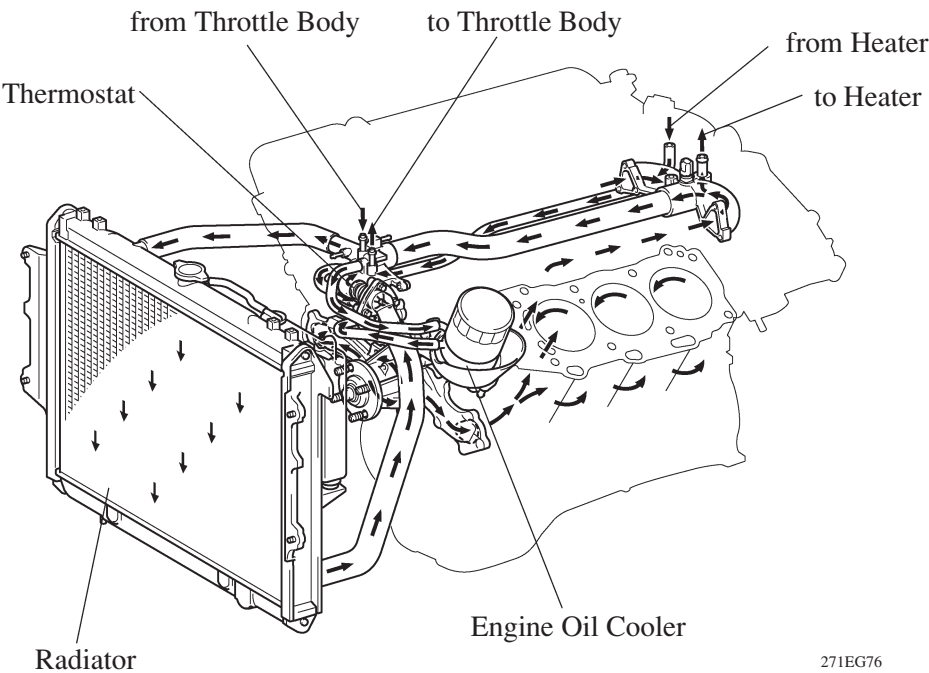


■ COOLING SYSTEM

1. General

- The cooling system uses a pressurized forced circulation system with open air type reservoir tank.
- A thermostat with a bypass valve is located on the water inlet housing to maintain suitable temperature distribution in the cooling system.
- An aluminum radiator core is used for weight reduction.
- A 3-stage linear temperature-controlled coupling fan is used.
- A water-cooled engine oil cooler is standard equipment.
- The TOYOTA genuine Super Long Life Coolant (SLLC) has been adopted. As a result, the maintenance interval has been extended.

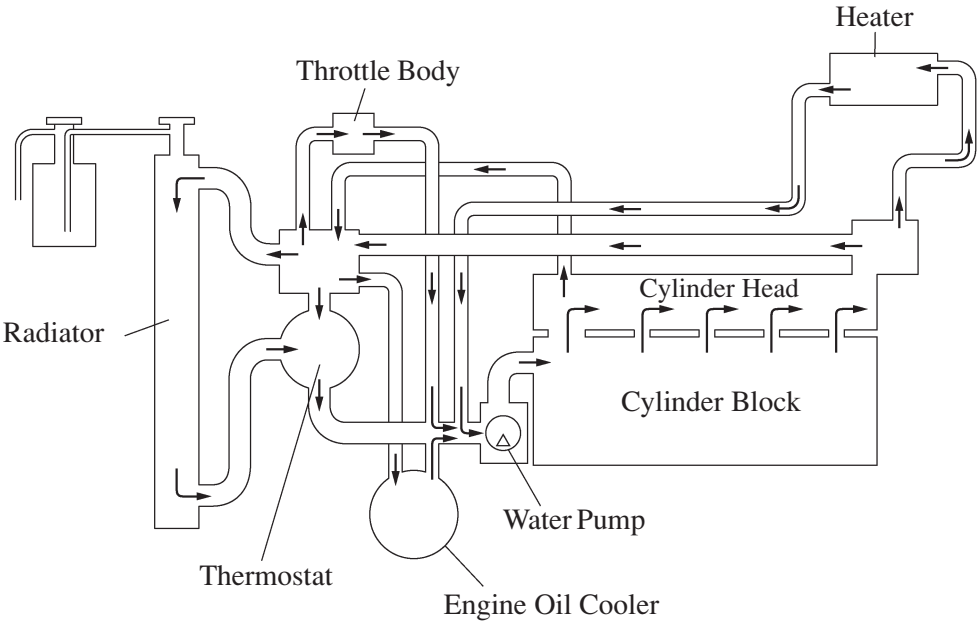
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► Specifications ◀

Engine Coolant	Type	TOYOTA Genuine Super Long Life Coolant (SLLC) or Equivalent	
	Capacity liters (US qts, Imp. qts)	MT	8.5 (9.0, 7.5)
		AT	9.8 (10.4, 8.6)
Thermostat	Opening Temperature °C (°F)	80 – 84 (176 – 183)	

► System Diagram ◀



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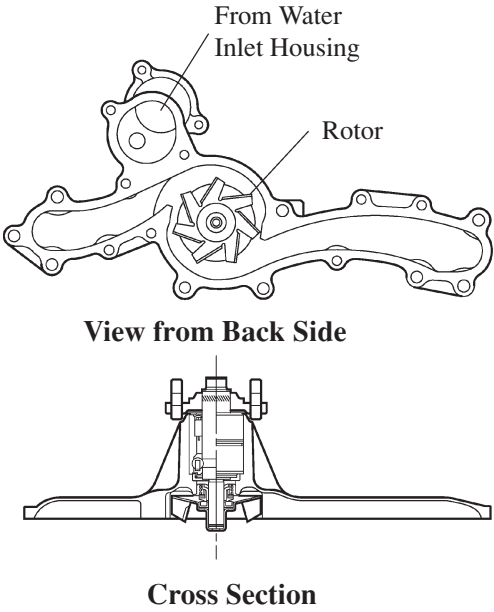
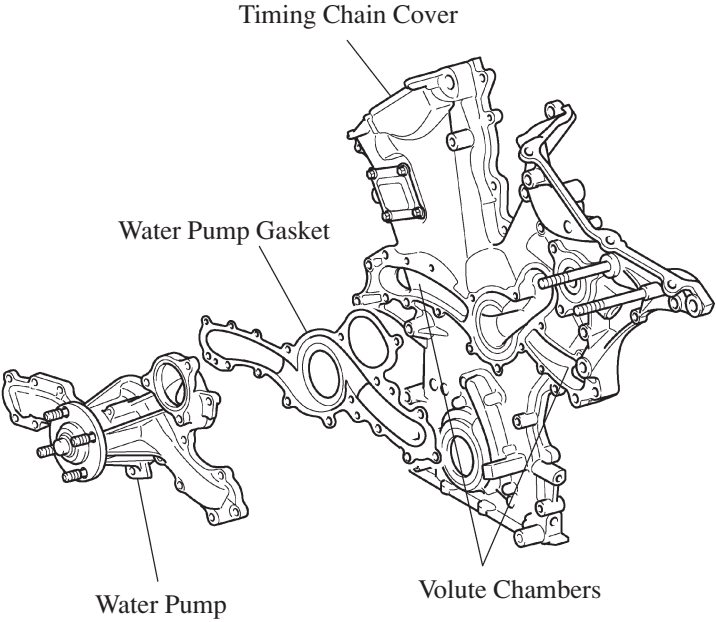
► Engine Coolant Specifications ◀

Engine Coolant Type		TOYOTA Genuine Super Long Life Coolant (SLLC) or Equivalent	TOYOTA Genuine Long Life Coolant (LLC) or Equivalent
Color		Pink	Red
Maintenance Intervals	First Time	160,000 km (100,000 miles)	Every 40,000 km (24,000 miles) or 24 months whichever comes first
	Subsequent	Every 80,000 km (50,000 miles)	

- SLLC is pre-mixed (50% coolant and 50% deionized water), so no dilution is needed when adding or replacing SLLC in the vehicle.
- If LLC is mixed with SLLC, the interval for LLC (every 40,000 km/24,000 miles or 24 months) should be used.
- You can also apply the new maintenance interval (every 80,000 km/50,000 miles) to vehicles initially filled with LLC (red-colored), if you use SLLC (pink-colored) for the engine coolant change.

2. Water Pump

The water pump has two volute chambers, and circulates coolant uniformly to the left and right banks of the cylinder block.

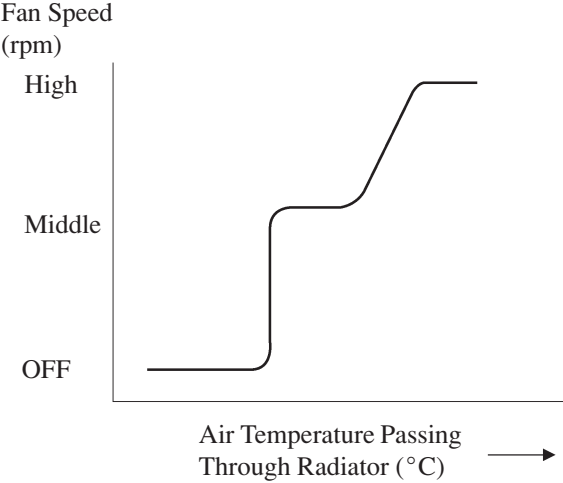
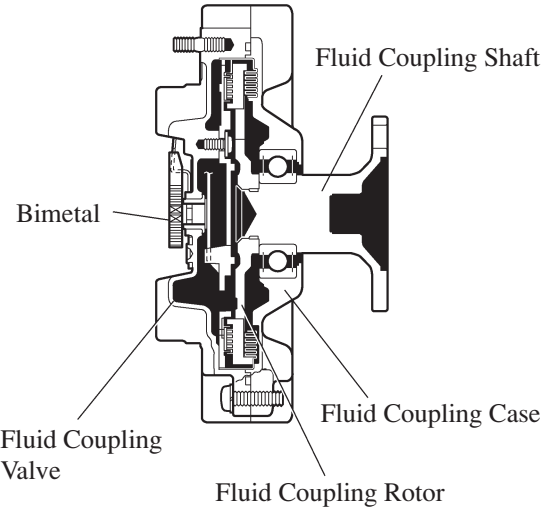


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3. Coupling Fan

A 3-stage linear temperature-controlled coupling fan is used. This coupling fan utilizes the characteristics of a bimetal to switch the fluid passages and appropriately control the silicon oil, in order to change the fan speed in three stages: OFF, middle, and high. The fan speed from middle to high is controlled linearly.



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