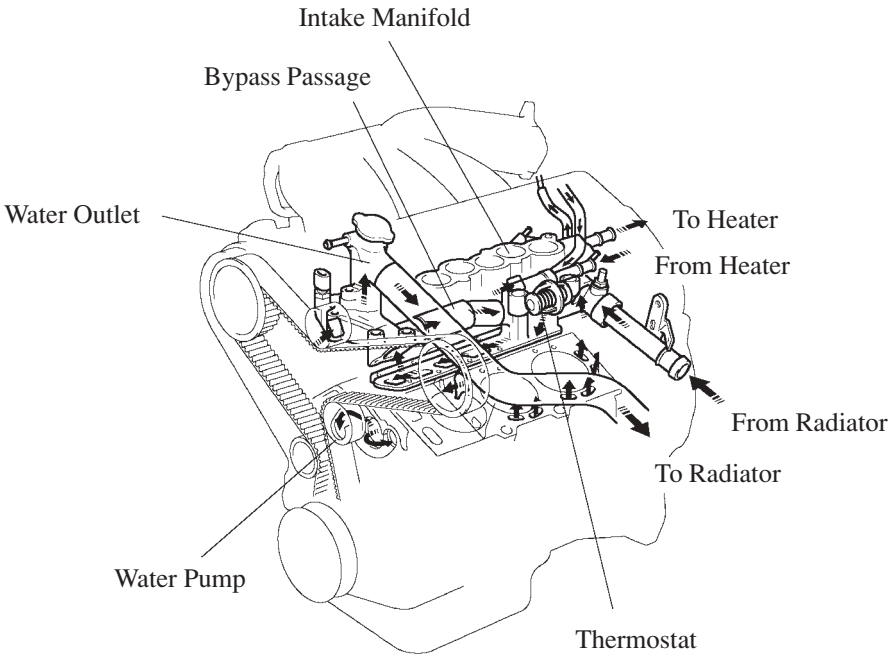
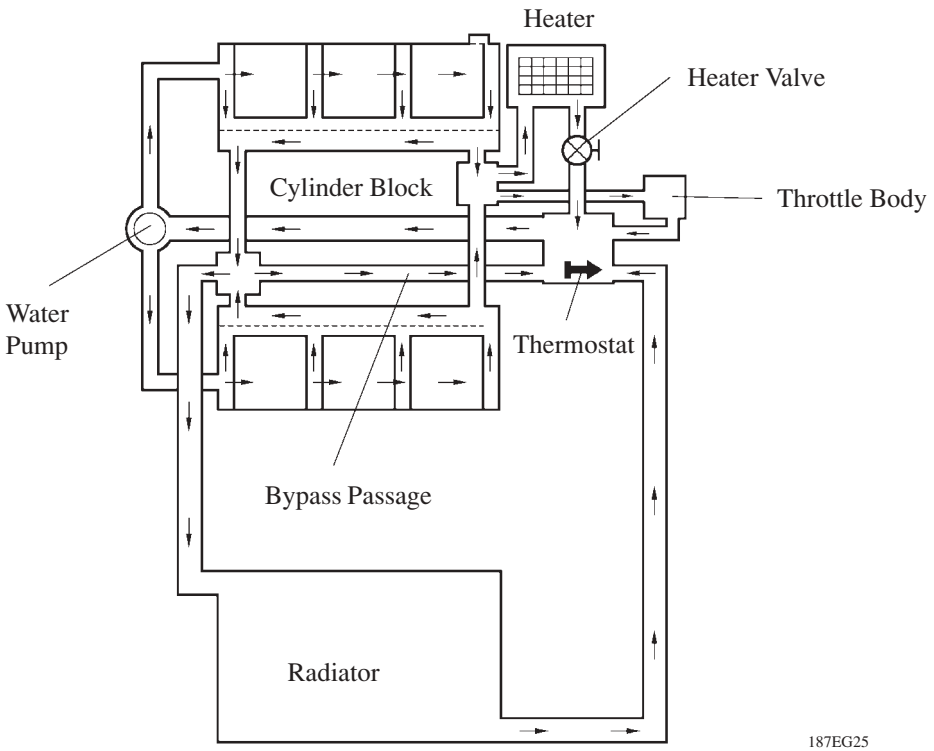
■COOLING SYSTEM

1. General

- The cooling system is a pressurized, forced-circulation type.
- A thermostat having a bypass valve is located on the water pump inlet side of the cooling circuit.
- The TOYOTA Genuine Super Long Life Coolant (SLLC) has been adopted. As a result, the maintenance interval has been extended.





▶ Specifications ◀

Engine Coolant	Capacity liters (US qts, Imp. qts)		9.2 (9.7, 8.1)
	Type		TOYOTA Genuine SLLC
	Color		Pink
	Maintenance Intervals	First Time	160,000 km (100,000 mile)
		Subsequent	Every 80,000 km (50,000 mile)
Thermostat	Opening Temperature °C (°F)		80 – 84 (176 – 183)

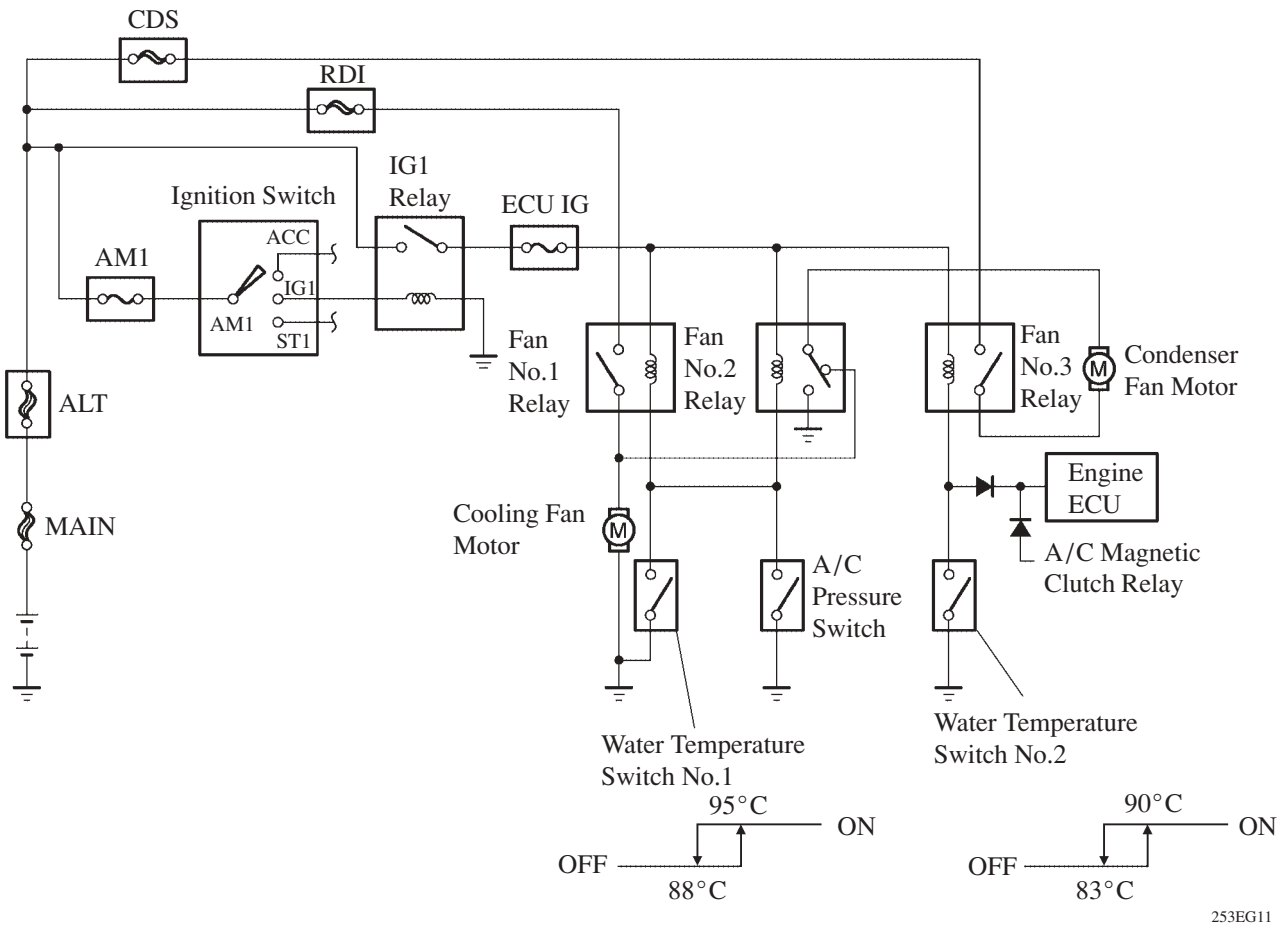
- SLLC is pre-mixed (50% coolant and 50% distilled water), so no dilution is needed when adding or replacing SLLC in the vehicle.
- If LLC is mixed with SLLC, the interval for LLC (every 40,000 km/25,000 mile or 24 months) should be used.
- You can also apply the new maintenance interval (every 80,000 km/50,000 mile) to vehicles initially filled with LLC (red-colored), if you use SLLC (pink-colored) for the coolant change.

2. Cooling Fan System

General

The electric cooling fan is adopted. The cooling fan is controlled in 3 steps (OFF, Low, High) of fan speed by using the 2 water temperature switches in accordance with the engine coolant temperature and the operating condition of the air conditioner and by turning the 3 fan relays ON and OFF and connecting 2 fan motors in a series or parallel circuit.

▶ Wiring Diagram ◀



▶ Cooling Fan Operation ◀

Water Temperature Switch	No.1		OFF	OFF	ON
	No.2		OFF	ON	ON
A/C Condition	A/C OFF		OFF	Low	High
	A/C ON	A/C Pressure Switch OFF	Low	Low	High
		A/C Pressure Switch ON	High	High	High