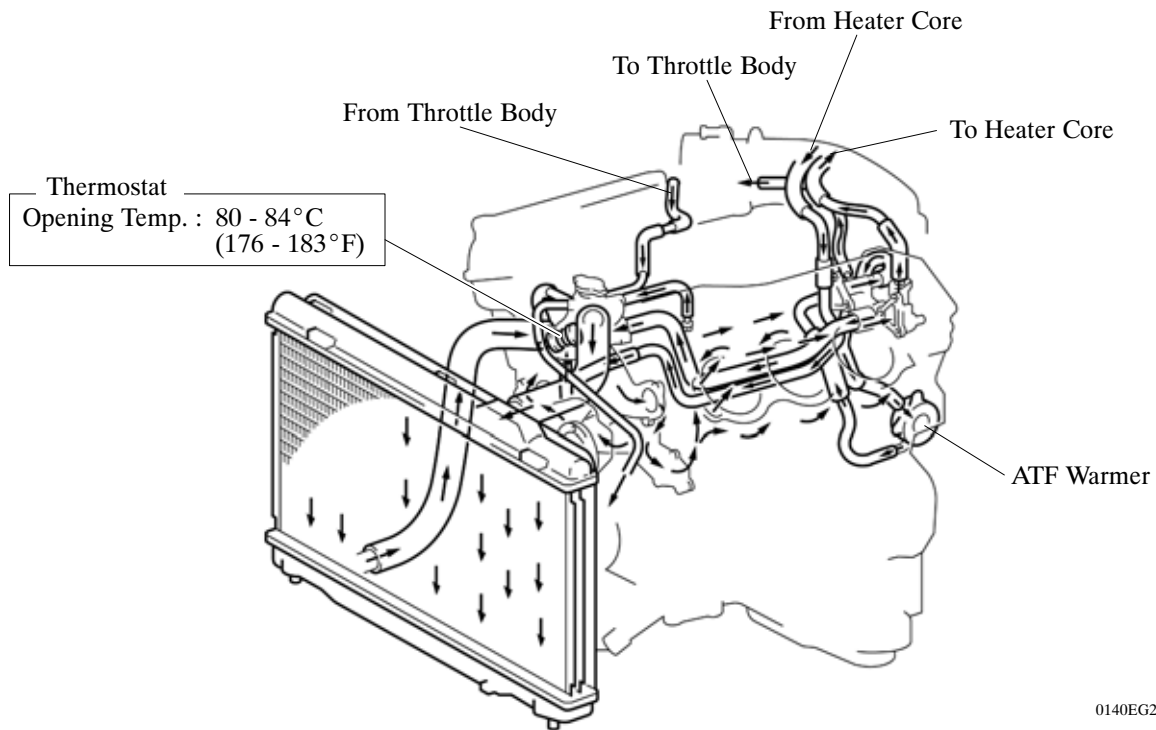


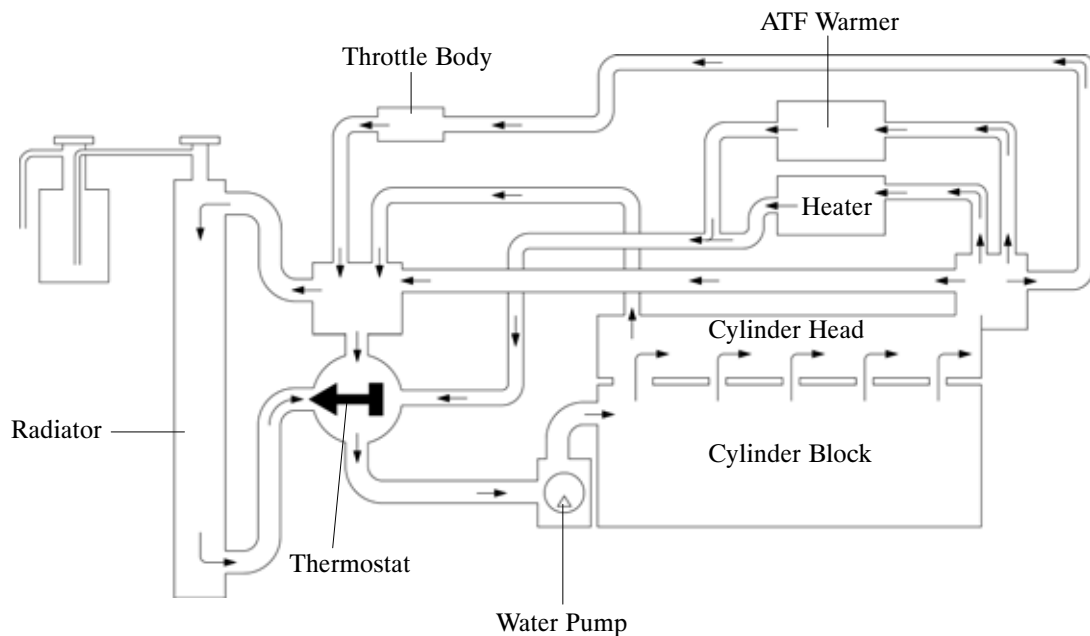
■ COOLING SYSTEM

1. General

- The cooling system is a pressurized, forced-circulation type. The reservoir tank is not pressurized.
- A thermostat with a bypass valve is located in the water inlet housing to maintain suitable temperature distribution in the cooling system.
- A cooling fan control system in which the Engine ECU optimally controls cooling fan speed is used. For details, [see page EG-76](#).
- The engine coolant that is used is TOYOTA genuine SLLC (Super Long Life Coolant).

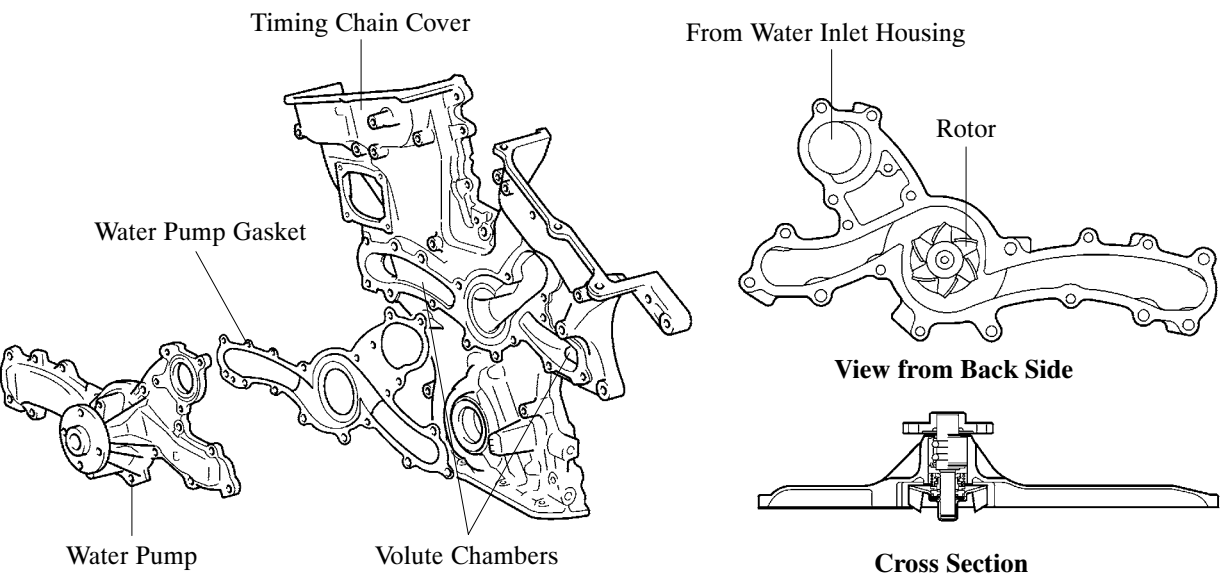


► Water Circuit ◀



2. Water Pump

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



0140EG28Z

3. TOYOTA Genuine SLLC

TOYOTA genuine SLLC (Super Long Life Coolant) is used. The maintenance interval is as shown in the table below:

Type		TOYOTA Genuine SLLC
Maintenance Intervals	First Time	160,000 km (100,000 miles)
	Subsequent	Every 80,000 km (50,000 miles)
Color		Pink

- 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/25,000 miles or 24 months whichever come first) 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.