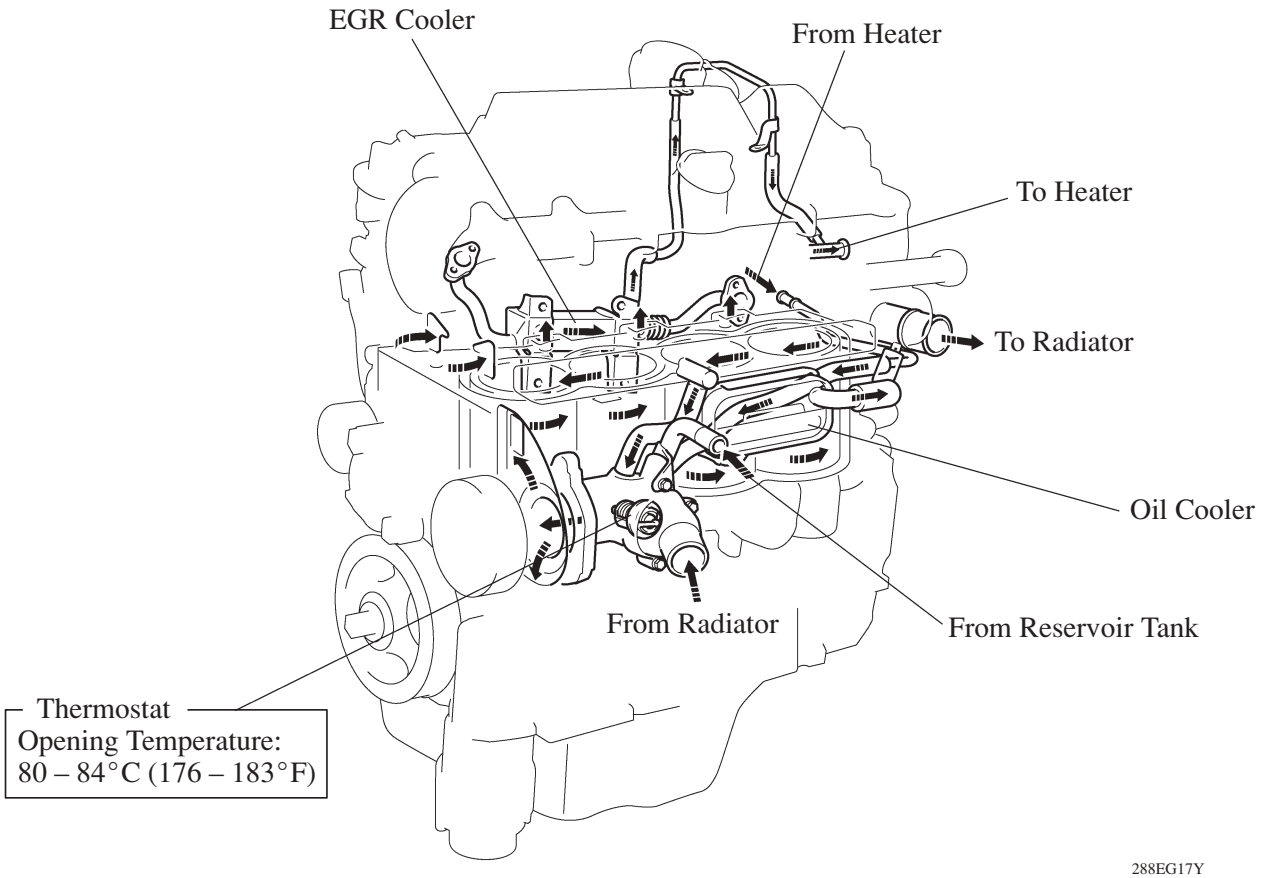
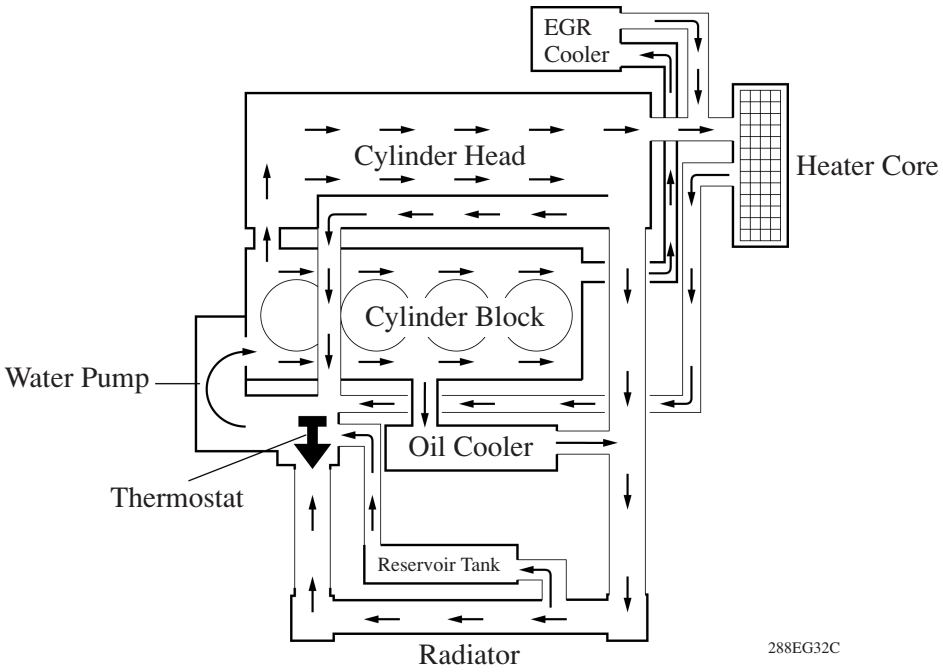
■COOLING SYSTEM

1. General

- The cooling system is a pressurized, forced-circulation type.
- A thermostat with a bypass valve is located on the water inlet housing to maintain suitable temperature distribution in the cooling system. This prevents sudden jumps in temperature while the engine is warming up.
- A water pump swirl chamber is placed in the timing chain cover to achieve a simple construction and a compact engine.
- An aluminum radiator core is used for weight reduction.
- A water-cooled oil cooler and a water-cooled EGR cooler are provided.
- TOYOTA genuine SLLC (Super Long Life Coolant) is used for engine coolant.



▶ Water Circuit ◀



2. TOYOTA Genuine SLLC

TOYOTA genuine SLLC (Super Long Life Coolant) is used. 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 SLLC in the vehicle 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.