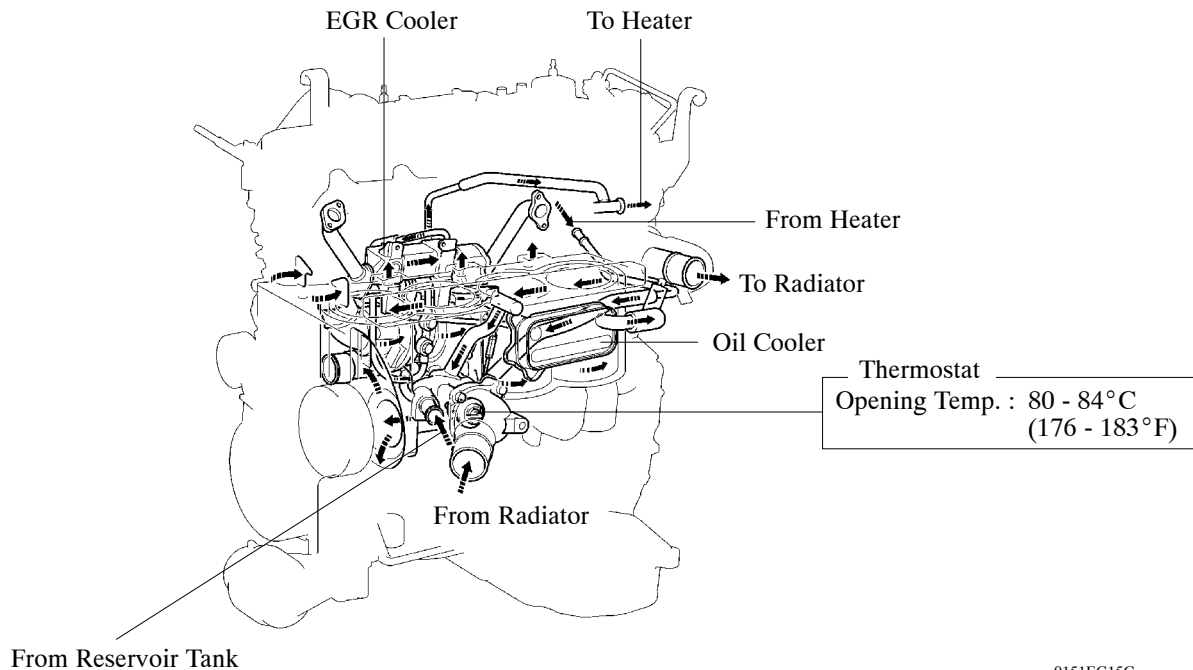


■ COOLING SYSTEM

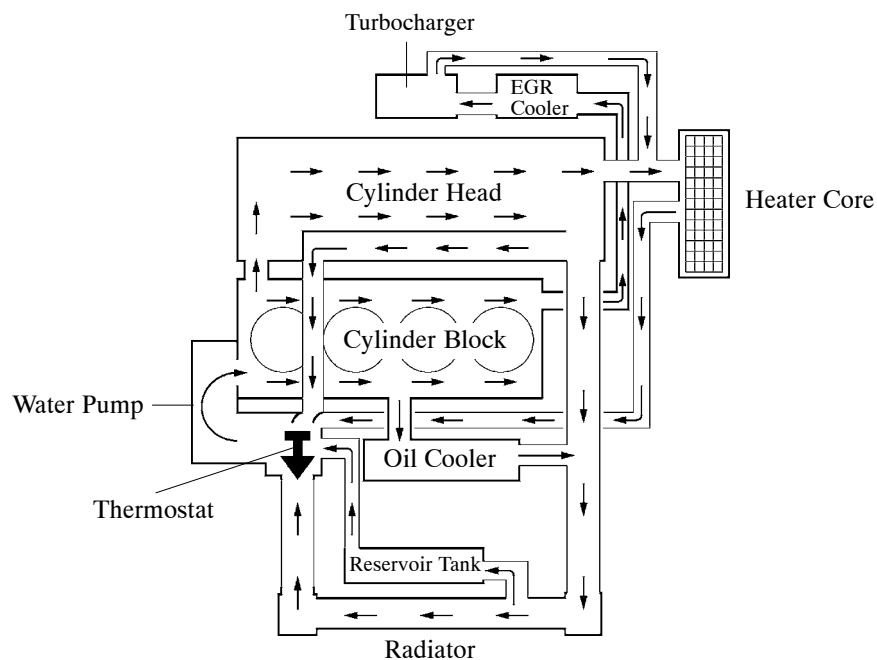
1. General

- The cooling system is a pressurized, forced-circulation type.
- A thermostat with a bypass valve is located in 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 simpler 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.
- The engine coolant used is TOYOTA genuine SLLC (Super Long Life Coolant).



0151EG15C

► Water Circuit ◀



288EG33C

2. 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	100,000 miles (160,000 km)
	Subsequent	Every 50,000 miles (80,000 km)
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 50,000 miles/80,000 km) to vehicles initially filled with LLC (red-colored), if you use SLLC (pink-colored) for the engine coolant change.