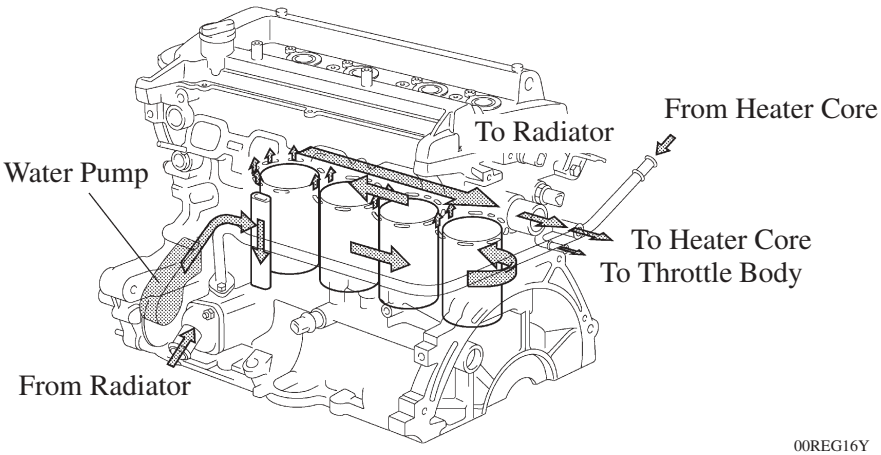
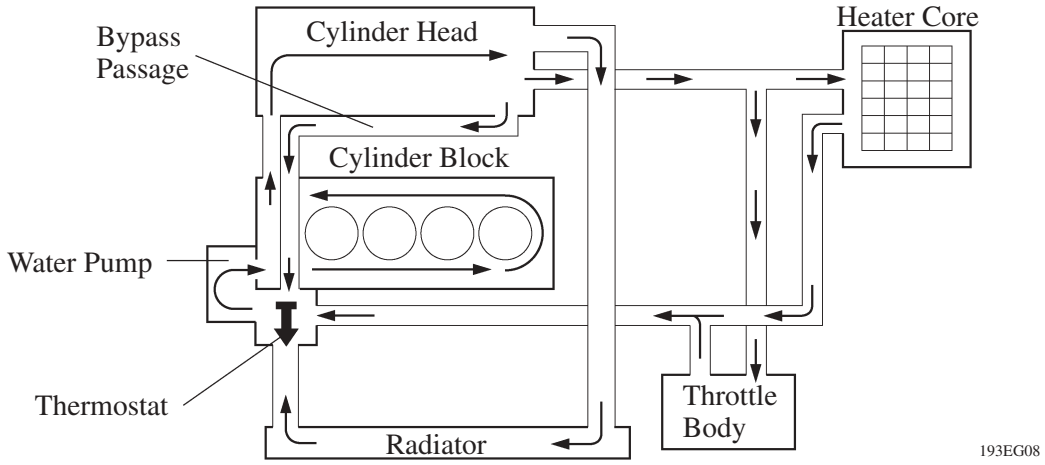
■COOLING SYSTEM

- 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.
- An aluminum radiator core is used for weight reduction.
- The flow of the water makes a U-turn in the cylinder block to ensure a smooth flow of the water.
- The TOYOTA genuine Super Long Life Coolant (SLLC) is used.



▶ System Diagram ◀



▶ Engine Coolant Specifications ◀

Engine Type			1NZ-FE	2NZ-FE
Engine Coolant	Type		TOYOTA genuine Super Long Life Coolant (SLLC) or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology (coolant with long-life hybrid organic acid technology is a combination of low phosphates and organic acids.) Do not use plain water alone.	
	Color		Pink	
	Capacity Liters (US qts, Imp. qts)	M/T	4.8 (5.1, 4.2)	4.9 (5.2, 4.3)
		A/T	4.7 (5.0, 4.1)	4.8 (5.1, 4.2)
	Maintenance Intervals	First time	160,000 km (100,000 miles)	
		Subsequent	Every 80,000 km (50,000 miles)	
Thermostat	Opening Temperature °C (°F)		80 – 84 (176 – 183)	

- SLLC is pre-mixed (50% coolant and 50% deionized water). Therefore, 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/24,000 miles or 24 months) should be used.