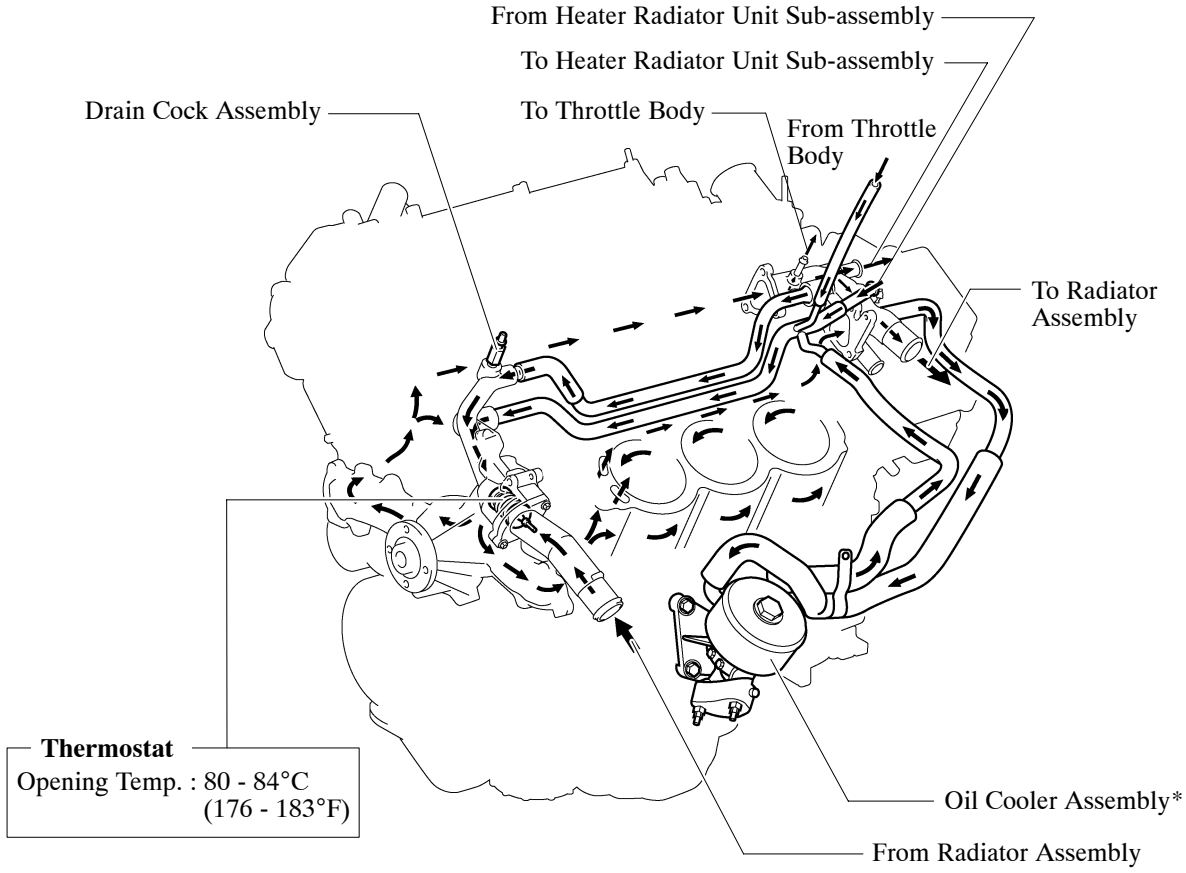
■COOLING SYSTEM

1. General

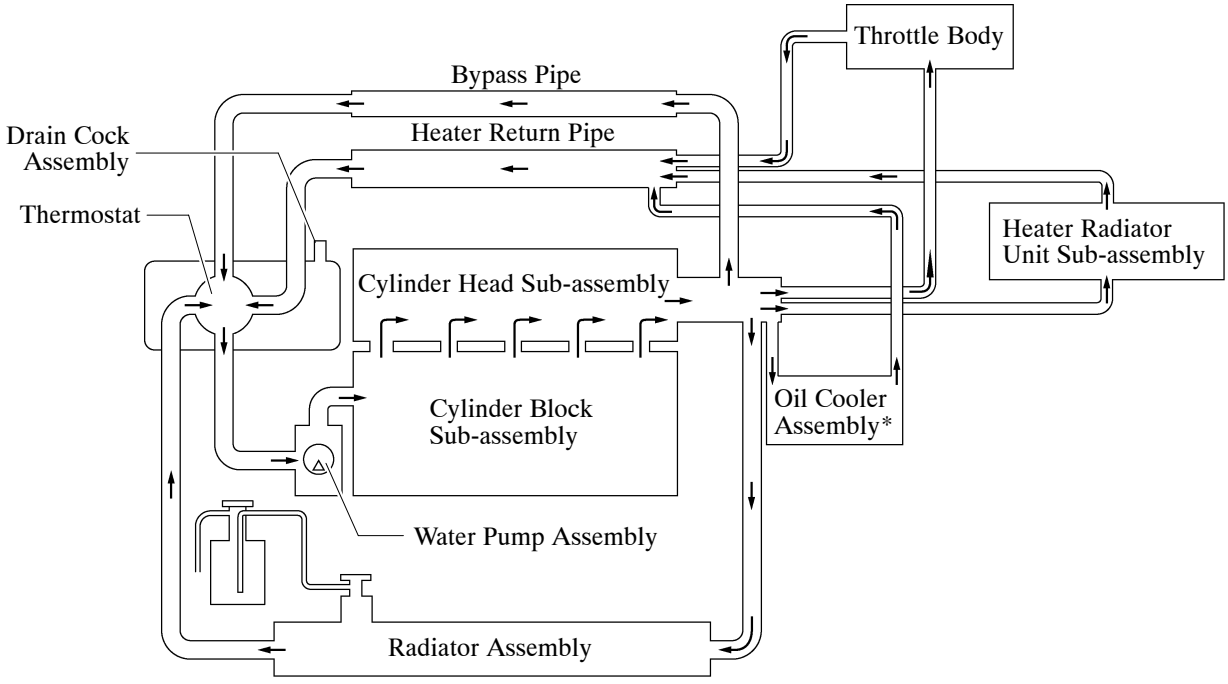
- The cooling system is a pressurized, forced-circulation type. The reservoir tank is not pressurized.
- A thermostat with a bypass valve is located in the water inlet housing to maintain suitable temperature distribution in the cooling system.
- A cooling fan control system in which the ECM optimally controls cooling fan speed is used. For details, see page EG-80.
- A drain cock assembly is provided on the water inlet assembly to improve the efficiency of changing the engine coolant. For details, see the 2008 HIGHLANDER Repair Manual (Pub. No. RM06J0U).
- The engine coolant uses TOYOTA genuine SLLC (Super Long Life Coolant).



*: Optional Equipment

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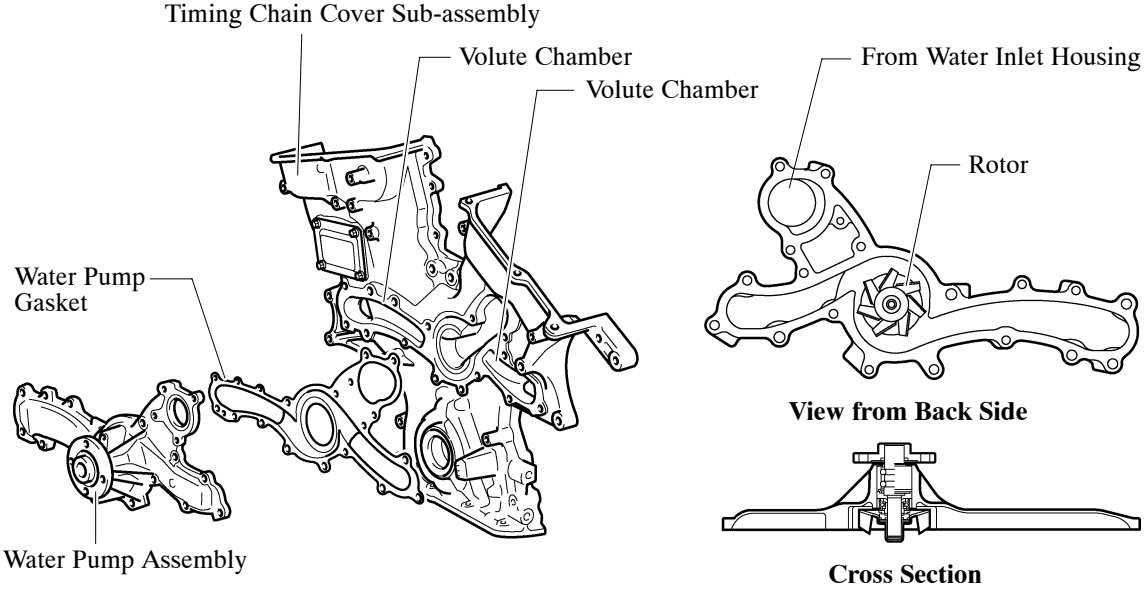
2. Water Circuit



*: Optional Equipment

3. Water Pump Assembly

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



4. TOYOTA Genuine SLLC

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

Coolant Type		TOYOTA Genuine SLLC
Maintenance Intervals	First Time	100000 miles (160000 km)
	Subsequent	Every 50000 miles (80000 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.
- You can also apply the new maintenance interval (every 50000 miles/80000 km) to vehicles initially filled with LLC (red-colored), if you use SLLC (pink-colored) for the engine coolant change.