

COOLING CIRCUITS

Cooling

2. Cooling Circuits

The cooling system operates in three different phases depending on the temperature of the engine coolant.

- 1st phase (thermostat closed)

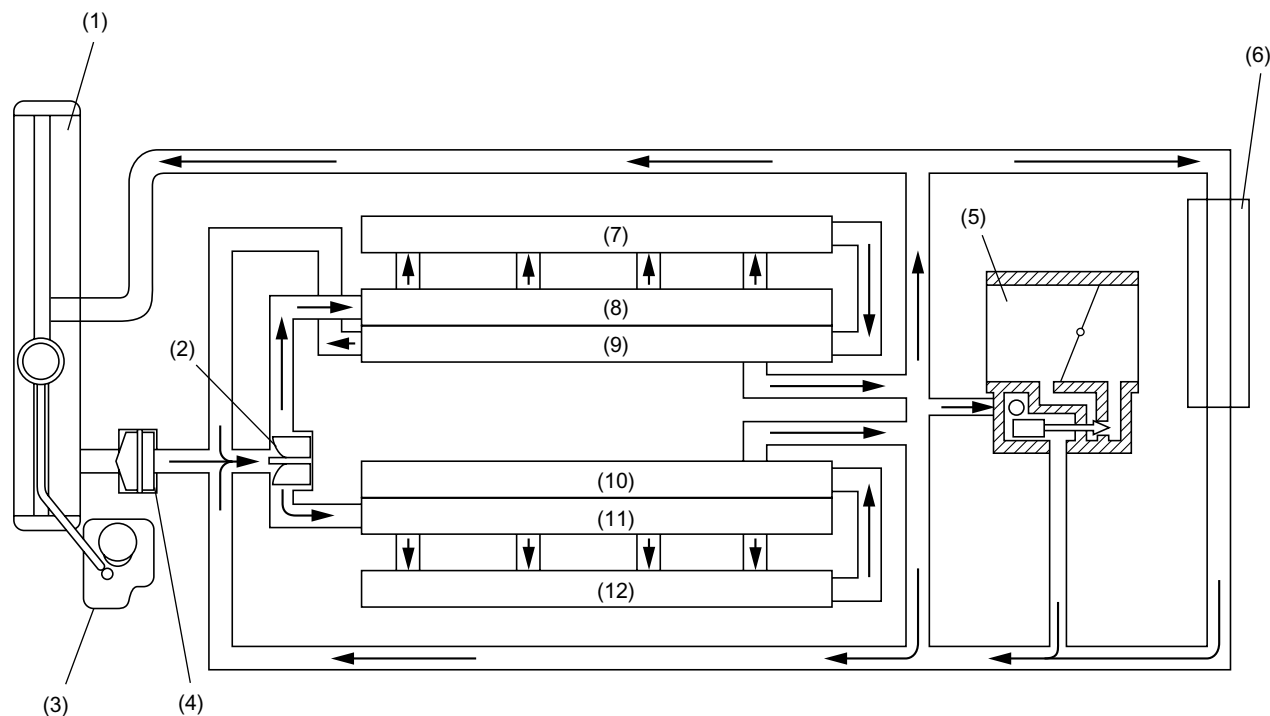
When the engine coolant temperature is below 76°C (169°F), the thermostat remains closed. The coolant flows through the bypass and heater circuits. This permits the engine to warm up quickly.

- 2nd phase (thermostat open)

When the engine coolant temperature is above 76 – 80°C (169 – 176°F), the thermostat opens. The coolant flows through the radiator where it is cooled.

- 3rd phase (thermostat open and radiator fan operating)

When the engine coolant temperature sensor sends a signal indicating a temperature above 95°C (203°F) to the ECM, it causes the radiator fan (or fans) to operate.



CO-00066

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| (1) Radiator | (7) Cylinder head RH |
| (2) Water pump | (8) Cylinder jacket RH |
| (3) Engine coolant reservoir tank | (9) Cylinder block RH |
| (4) Thermostat | (10) Cylinder block LH |
| (5) Throttle body | (11) Cylinder jacket LH |
| (6) Heater core | (12) Cylinder head LH |