

COOLANT CONTROL VALVE [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)]

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Outline

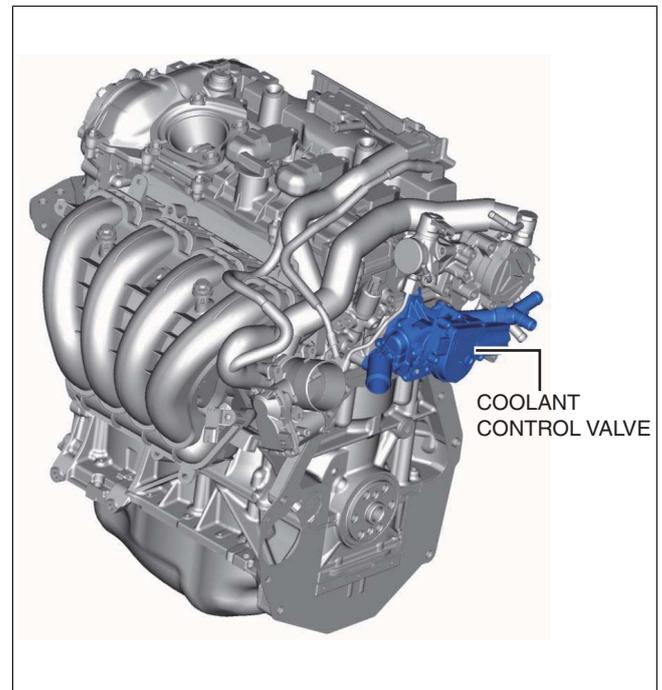
- The engine coolant control valve adjusts the engine coolant control valve opening angle and supplies engine coolant to the appropriate engine coolant passage according to the engine load conditions.
- Further engine warming has been promoted by blocking each water passage while the engine is cool.

Construction

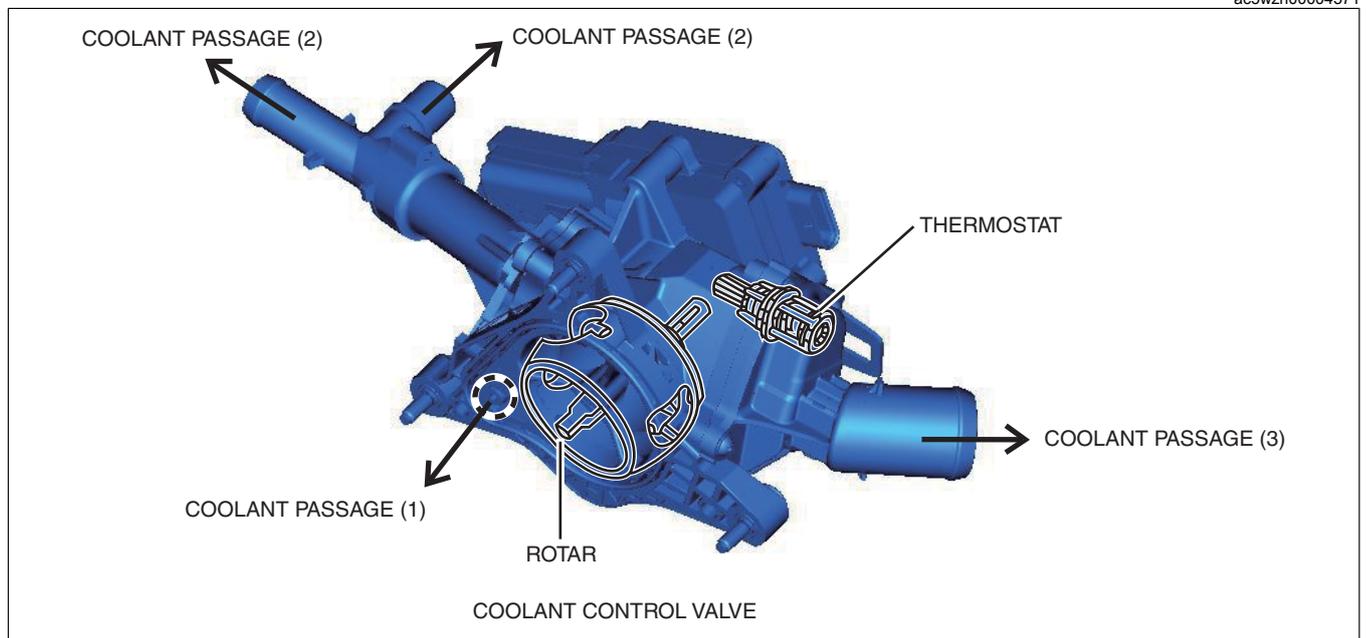
- The engine coolant control valve is located on the left side of the engine.
- The engine coolant control valve feeds engine coolant via 3 engine coolant passages.

Note

- The thermostat is integrated with the water flow control valve. When the engine coolant temperature exceeds the specification, engine coolant is forced to flow into the radiator.

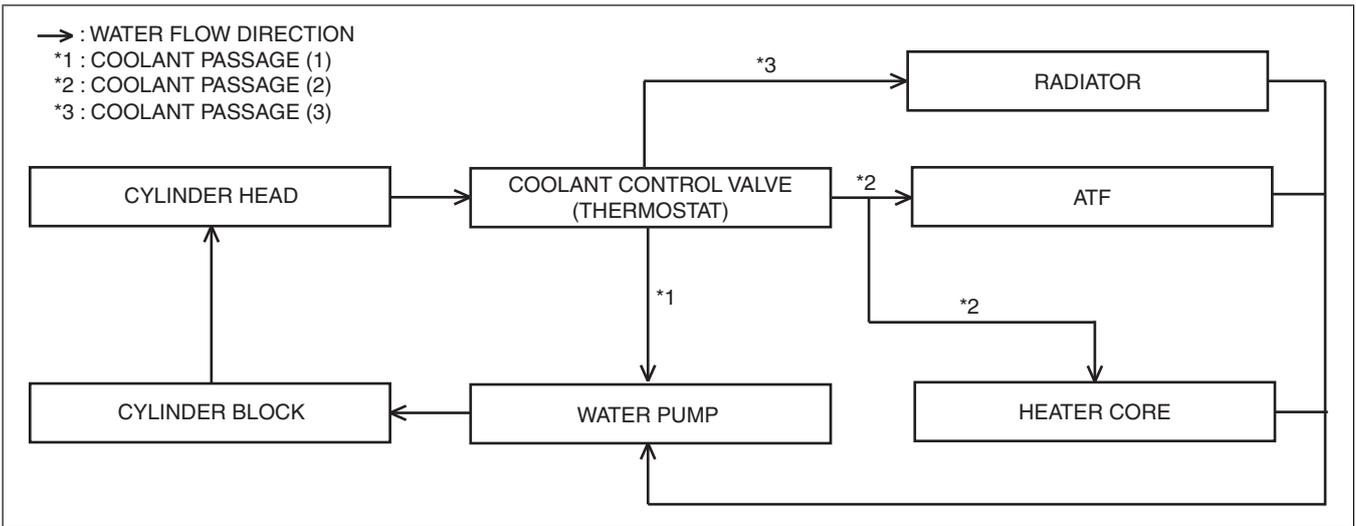


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- Engine coolant flows constantly in coolant passage (1).
- At coolant passages (2) and (3), engine coolant flows when the rotor rotates and the rotor opening is aligned to each engine coolant passage outlet.
- The PCM adjusts the engine coolant control valve opening angle and switches the engine coolant passage according to changes in the engine coolant temperature. For details, refer to the [WATER FLOW CONTROL]. (See WATER FLOW CONTROL [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)].)



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