

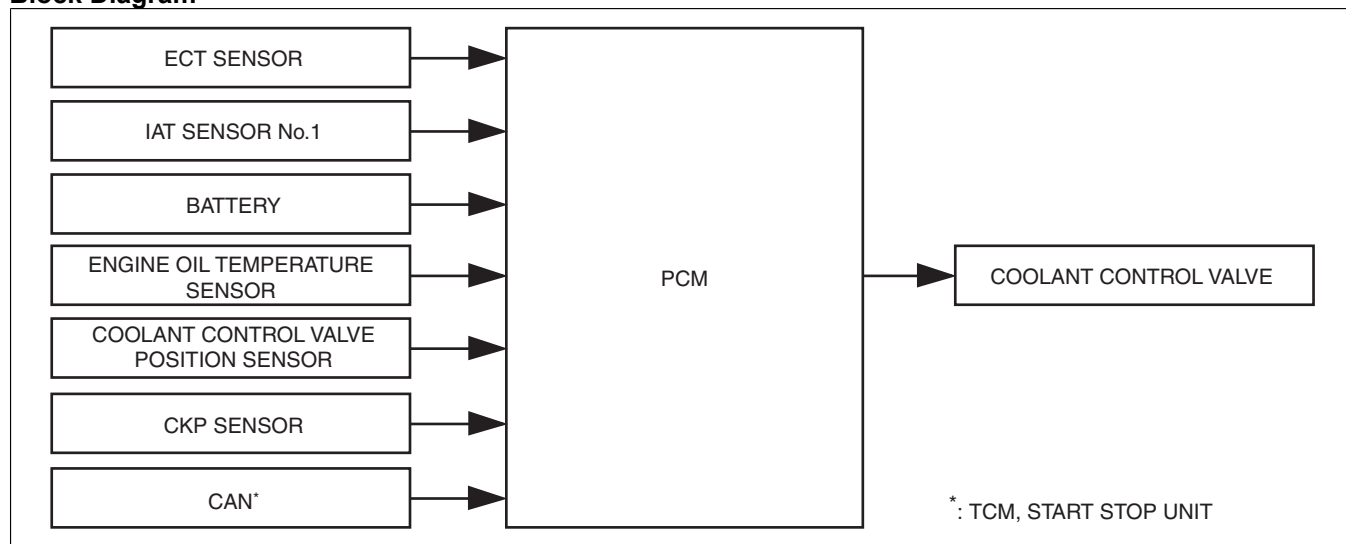
## WATER FLOW CONTROL [SKYACTIV-G 2.5 (WITH CYLINDER DEACTIVATION)]

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### Outline

- The PCM adjusts the engine coolant control valve and supplies engine coolant to the appropriate engine coolant passage according to the changes in the engine coolant temperature.
- By blocking each water passage before the engine warms up, and suppressing heat radiation, the temperature of the internal wall of the cylinder is quickly increased to improve fuel economy.

### Block Diagram

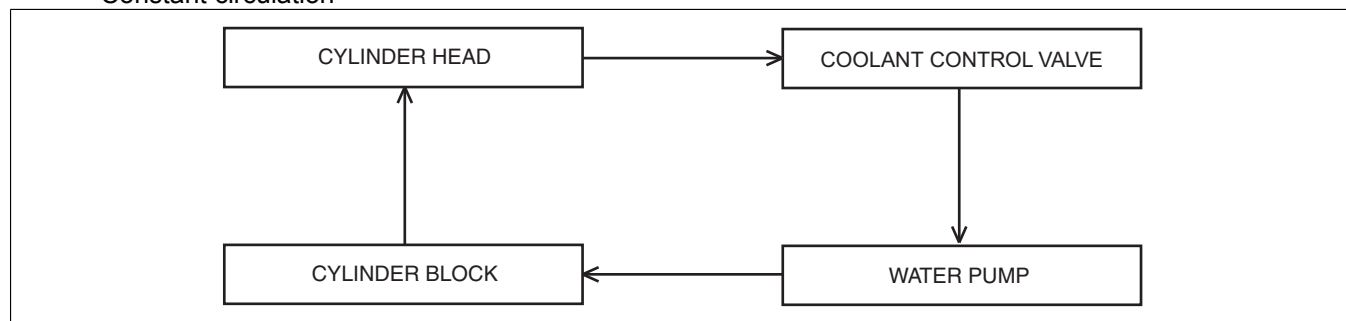


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### Operation

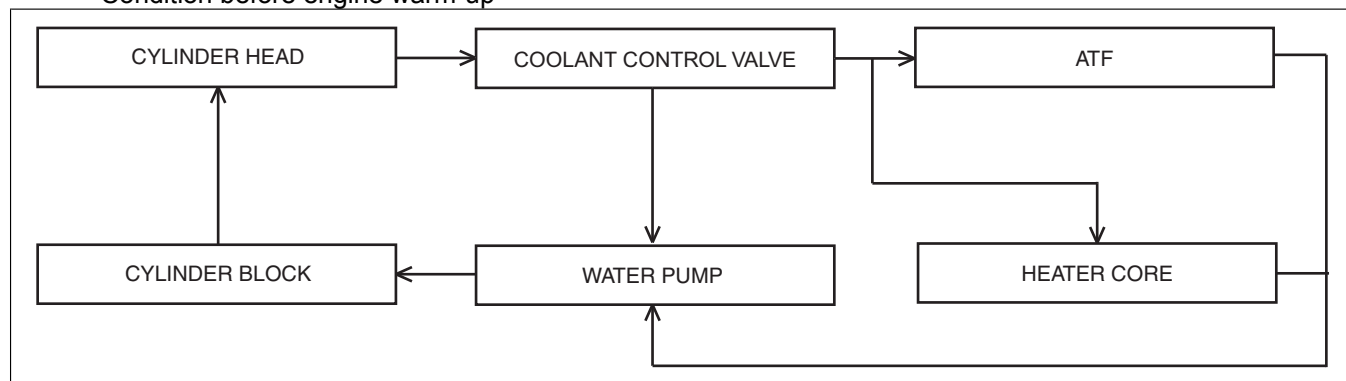
#### Operation condition

- Passage between coolant control valve and water pump
  - Constant circulation



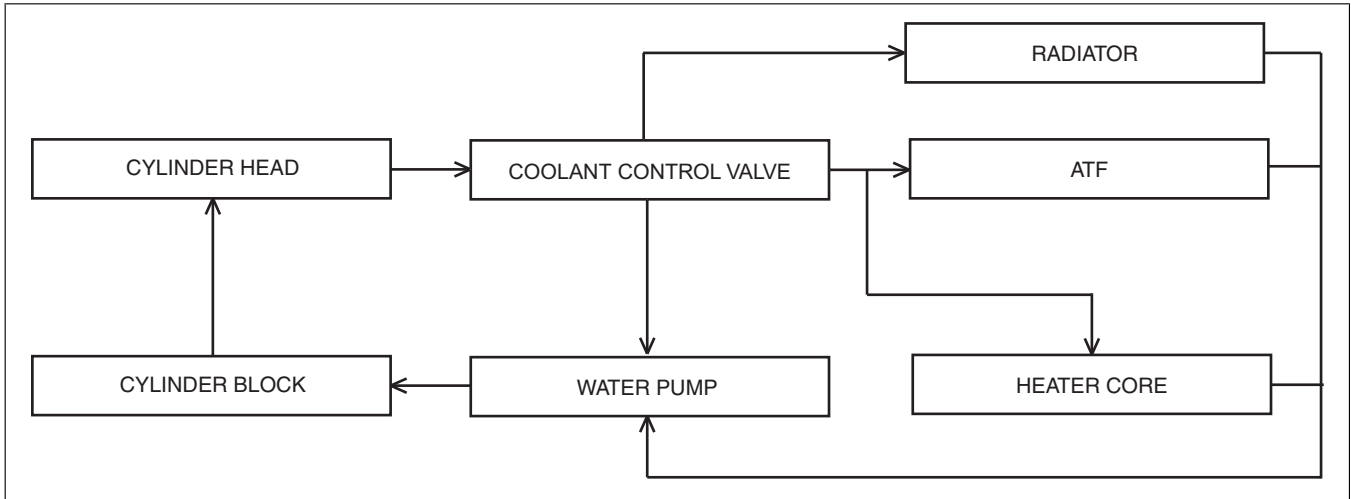
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- Passage between coolant control valve and ATF, heater core
  - Condition before engine warm-up



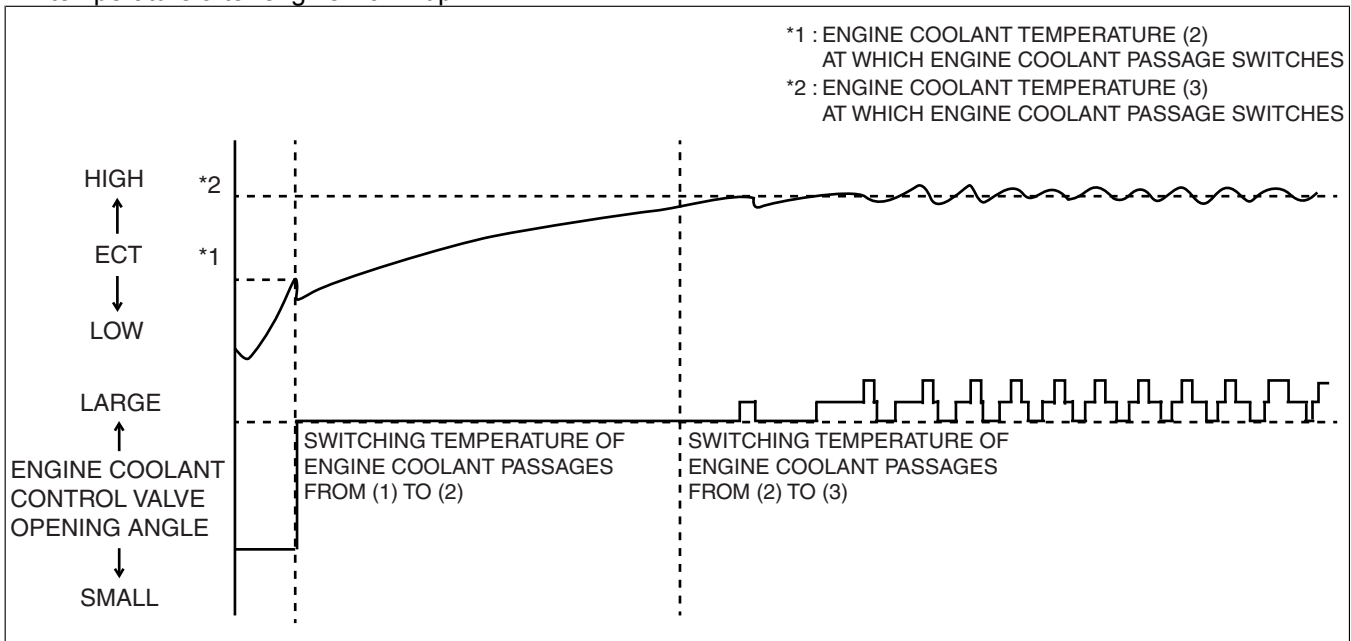
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- Passage between coolant control valve and radiator
  - Engine warmed up



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- Adjusts the engine coolant control valve to the appropriate opening angle to stabilize the engine coolant temperature after engine warm-up.



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