

PURGE SOLENOID VALVE [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

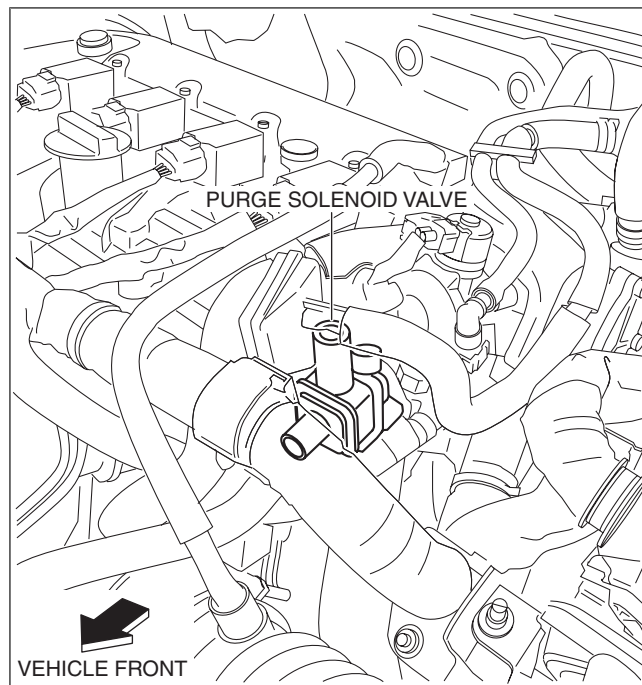
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Purpose, Function

- Introduces evaporative gas absorbed by the charcoal canister to the intake manifold.
- The purge solenoid valve opens according to the control signal from the PCM.

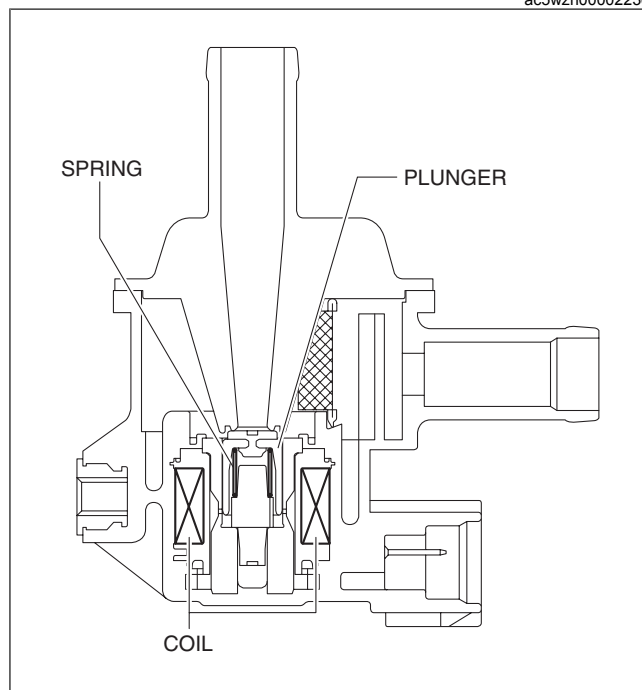
Construction

- The purge solenoid valve is installed in the engine compartment.



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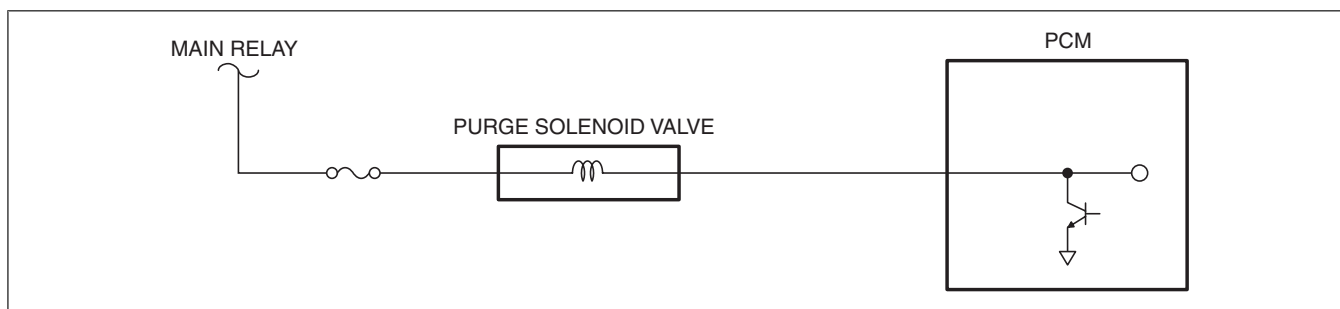
- The purge solenoid valve consists of a coil, spring, and plunger.



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Operation

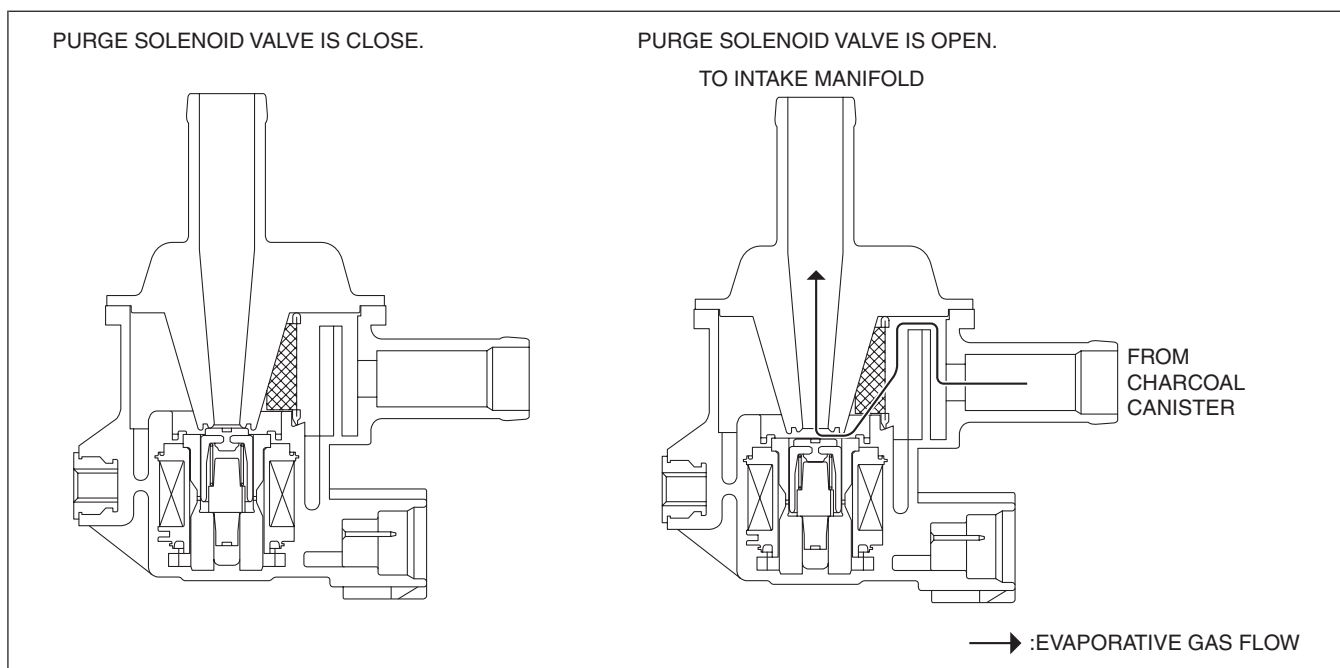
- According to the control signal from the PCM, the coil is energized and the plunger is operated to open/close the purge solenoid valve.



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- When the purge solenoid valve is open, evaporative gas flows from the charcoal canister to the intake manifold side.

Purge solenoid valve open/closed view



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- For evaporative purge control details, refer to CONTROL SYSTEM. (See PURGE CONTROL [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)

Fail-safe

- Function not equipped.