

WASTEGATE SOLENOID VALVE [SKYACTIV-D 2.2]

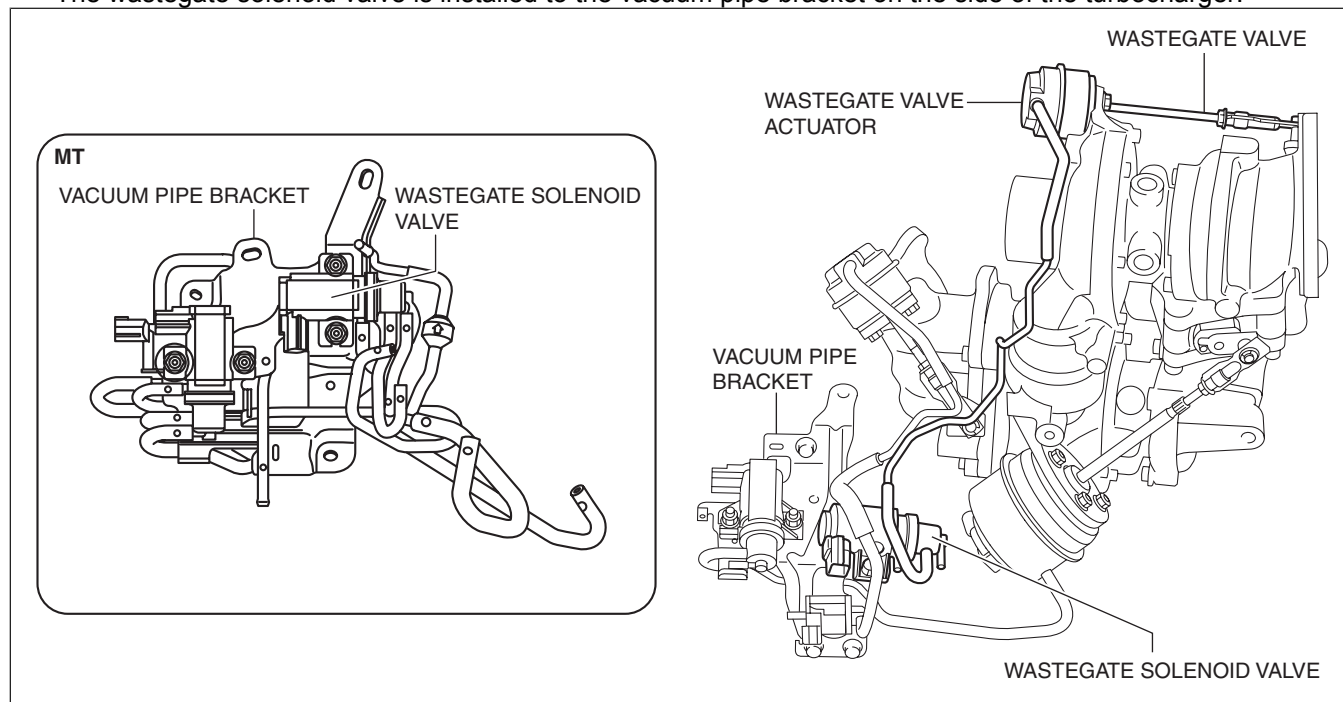
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Purpose, Function

- The vacuum generated by the vacuum pump operation is introduced to the wastegate valve actuator.
- The wastegate valve opens according to the control signal from the PCM.

Construction

- The wastegate solenoid valve is installed to the vacuum pipe bracket on the side of the turbocharger.

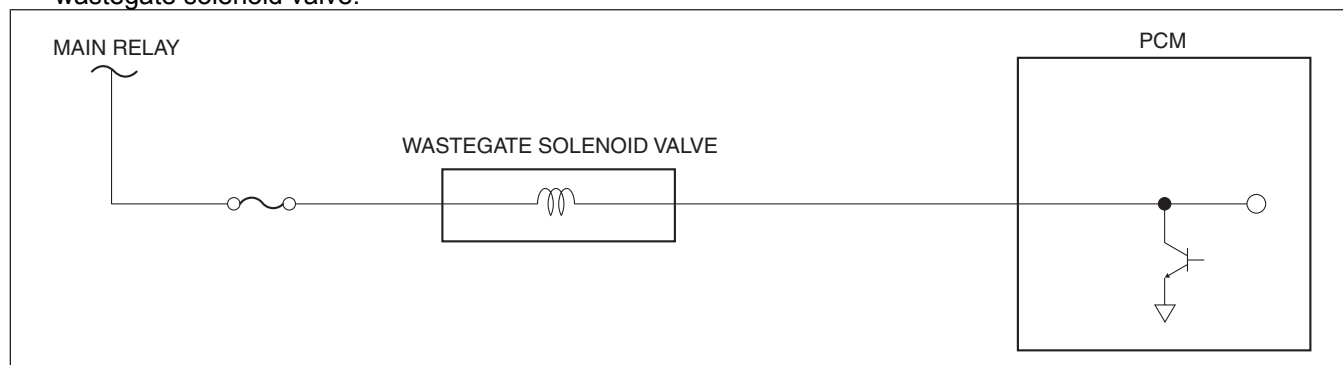


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- The wastegate solenoid valve consists of a coil, spring, and plunger.

Operation

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



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- Vacuum generated by the vacuum pump operation is introduced to the wastegate valve actuator by the opening of the wastegate solenoid valve.

Fail-safe

- Function not equipped.