

COMPRESSOR BYPASS SOLENOID VALVE [SKYACTIV-D 2.2]

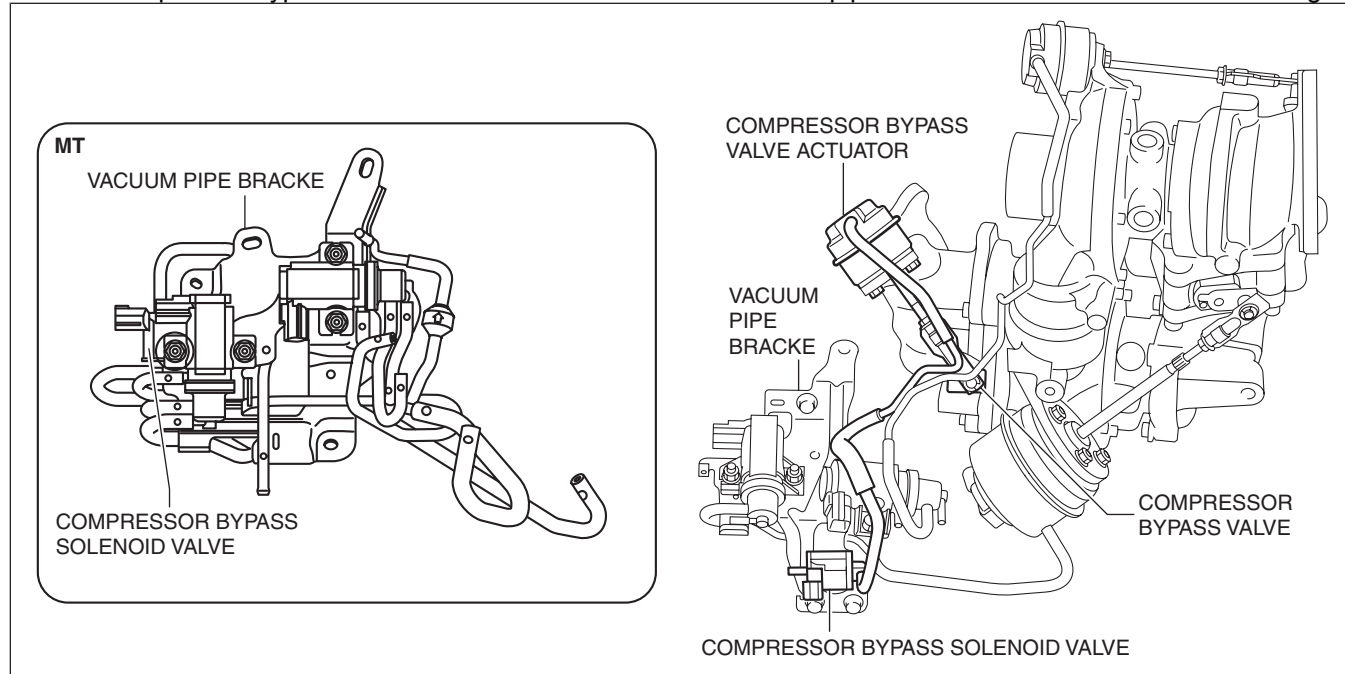
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Purpose, Function

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

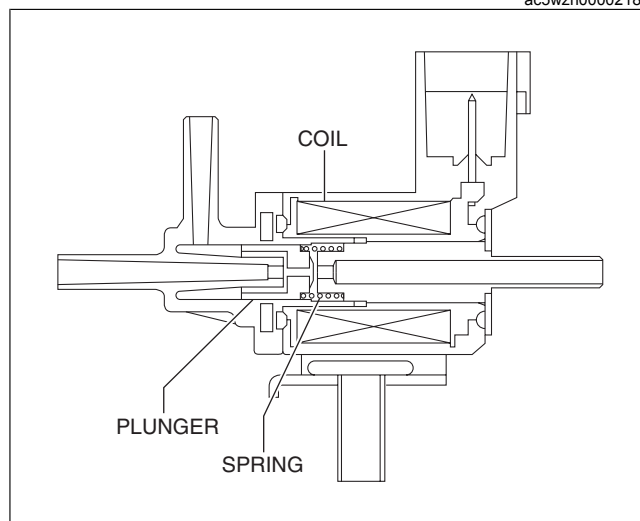
Construction

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



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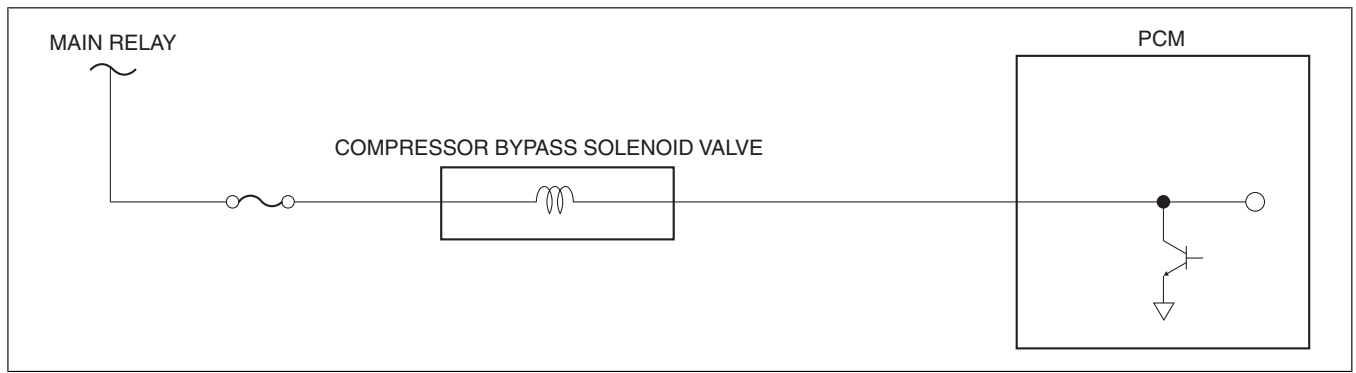
- The compressor bypass solenoid valve consists of a coil, spring, and plunger.



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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 compressor bypass solenoid valve.



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

Fail-safe

- Function not equipped.