

FUEL WARMER [SKYACTIV-D 2.2]

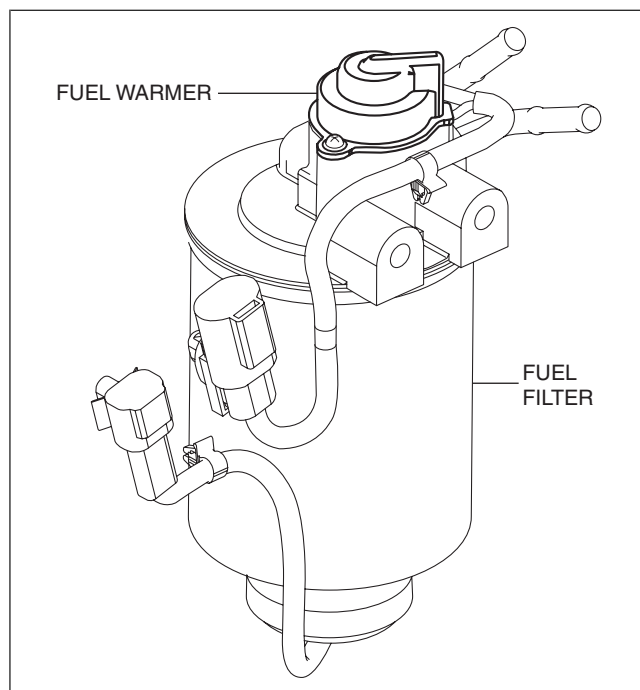
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Purpose, Function

- If fuel for the summer season is used in the winter season, the wax component in the fuel may become greasy when the temperature is cold. After the engine is started, the fuel warmer melts the greasy wax component to prevent a clogging in the fuel filter.

Construction

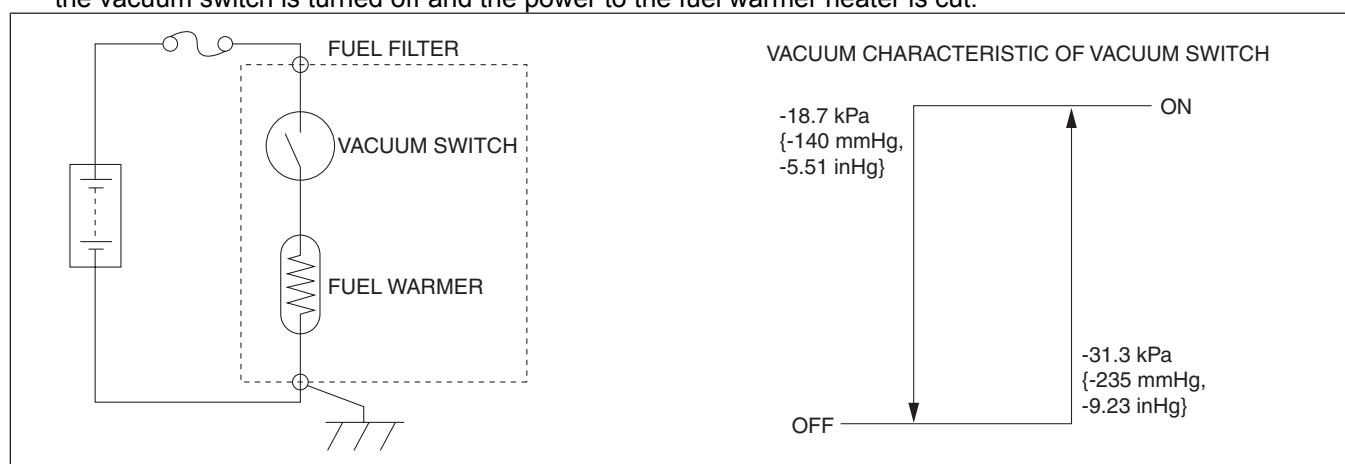
- Consists of the vacuum switch and the fuel warmer.
- Consists of a fuel warmer with an integrated vacuum switch.



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Operation

- If the wax component in the fuel becomes greasy and clogging occurs in the fuel filter, a vacuum is generated in the fuel passage between the fuel filter and the injection pump. If the pressure inside the fuel passage decreases to approx. -31.3 kPa $\{-235 \text{ mmHg}, -9.23 \text{ inHg}\}$ or less, the vacuum switch is turned on and power is supplied to the fuel warmer heater. The greasy wax component is heated and melted by the fuel warmer heater. When the pressure inside the fuel passage increases to approx. -18.7 kPa $\{-140 \text{ mmHg}, -5.51 \text{ inHg}\}$ or more, the vacuum switch is turned off and the power to the fuel warmer heater is cut.



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