

## CURRENT SENSOR [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

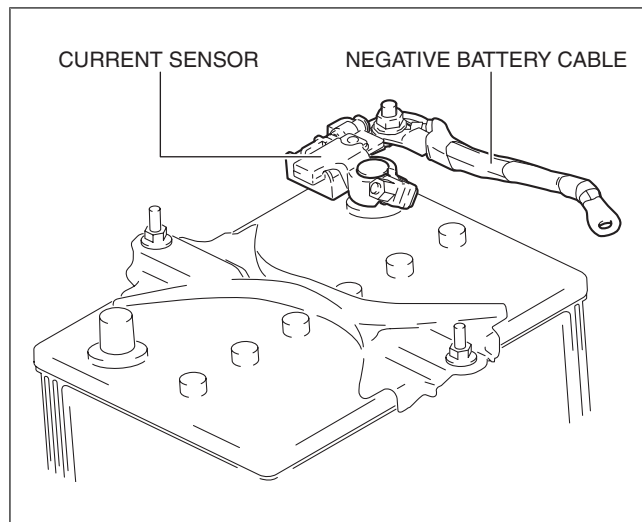
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### Purpose/Function

- The battery conditions are monitored as basic information for determining the generator output current.
- The battery condition is send to the PCM by LIN communication through the front body control module (FBCM).

### Construction

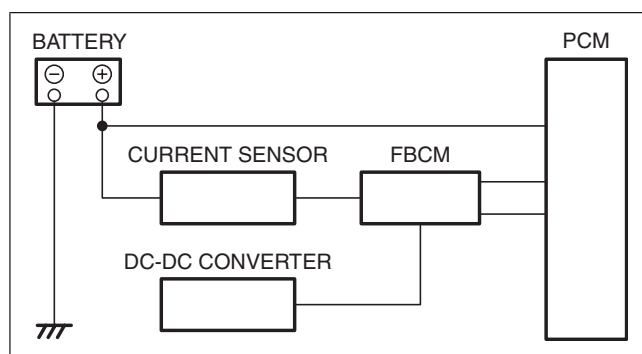
- Installed to the negative battery cable.
- The current sensor has adopted shunt resistance on the detection area and a thermistor for detecting the battery condition.



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### Operation

- The battery charge/discharge flow, battery voltage, and the battery terminal temperature are send to the PCM by LIN communication through the front body control module (FBCM).



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### Fail-safe

DTC No.	Fail-safe function
P058A:00	• Inhibits engine-stop by operating the i-stop function.
U1007:00	• Inhibits engine-stop by operating the i-stop function. • Inhibits a part of the generator output control.