

## CURRENT SENSOR [SKYACTIV-D 2.2]

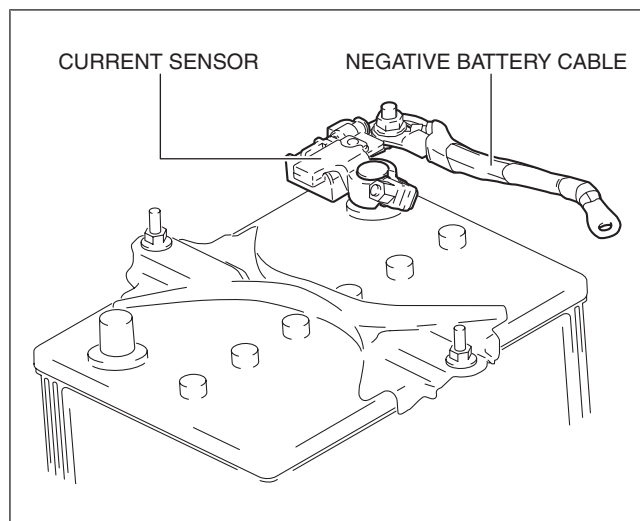
id0140z7005000

### 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

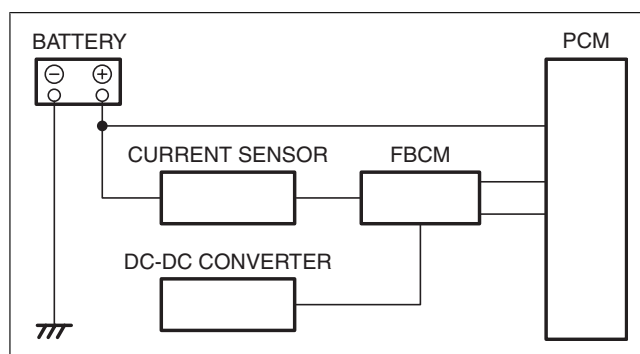
- Installed to the negative battery cable.
- The current sensor has adopted shunt resistance on the detection area and a thermistor for detecting the battery condition.



ac5wzn00001601

### 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).



ac5wzn00001602

### Fail-safe

DTC No.	Fail-safe function
P058A:00	• Inhibits engine-stop by operating the i-stop function.