## DC-DC CONVERTER CONTROL [SKYACTIV-D 2.2]

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## **Outline**

- Stability of the power supply to the cabin has been realized by preventing decreases in the power supply due to battery voltage decreases while the engine is restarted by the i-stop control.
- When the engine is restarted by the i-stop control, the PCM sends a battery voltage (DC-DC converter downstream voltage) boost request signal to the DC-DC converter.

**Block Diagram** PRESSURE INCREASE DC-DC CONVERTER CLIMATE CONTROL UNIT **IG1 RELAY** PARKING SENSOR CONTROL MODULE **PCM AUTO LIGHT** CAN\* SENSOR/RAIN SENSOR STARTER RELAY ON **AUDIO UNIT INSTRUMENT CLUSTER** \*: TCM (ATX), DSC HU/CM, FRONT BODY CONTROL MODULE (FBCM), REAR BODY CONTROL MODULE (RBCM), INSTRUMENT CLUSTER, START STOP UNIT, EPS CONTROL MODULE Bluetooth UNIT **AUDIO AMPLIFIER** CLOCK REAR MOUNT CAMERA

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## Operation

• When the engine is restarted by the i-stop control, the PCM sends a voltage boost request signal to the DC-DC converter so that the DC-DC converter downstream voltage is maintained at 11.5—12.5 V.

