DC-DC CONVERTER CONTROL [SKYACTIV-G 2.0, SKYACTIV-G 2.5]

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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.

