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

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DC-DC Converter Operation Inspection (Vehicle With i-stop)

1. Perform the KOER self-test.
 - If the following DTCs are detected, repair the applicable malfunctioning part according to the applicable DTC troubleshooting. (See DTC TABLE [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
 - P058A:00, P0A8D:00, P0A94:00, U0298:00, U1007:00
2. Inspect the battery.
 - If there is a malfunction, recharge or replace the battery, then go to the next step. (See BATTERY RECHARGING [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (BATTERY INSPECTION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].) (BATTERY REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)
3. When the engine is restarted by the i-stop control, verify that the following measured voltages are not lower than **11.5V**.
 - Rain sensor (auto light sensor) supply terminal (vehicle wiring harness-side connector terminal D)
 - Audio unit supply terminal (vehicle wiring harness-side connector terminal 1B)
 - If it cannot be verified, go to the next step.
4. Inspect the wiring harness between the following terminals for an open or short circuit.
 - DC-DC converter terminal K-Rain sensor (auto light sensor) terminal D
 - DC-DC converter terminal K-audio unit terminal 1B
 - If there is any open or short circuit in the wiring harness, repair or replace the malfunctioning part.
 - If there is any open or short circuit in the wiring harness, replace the DC-DC converter. (See DC-DC CONVERTER REMOVAL/INSTALLATION [SKYACTIV-G 2.0, SKYACTIV-G 2.5].)