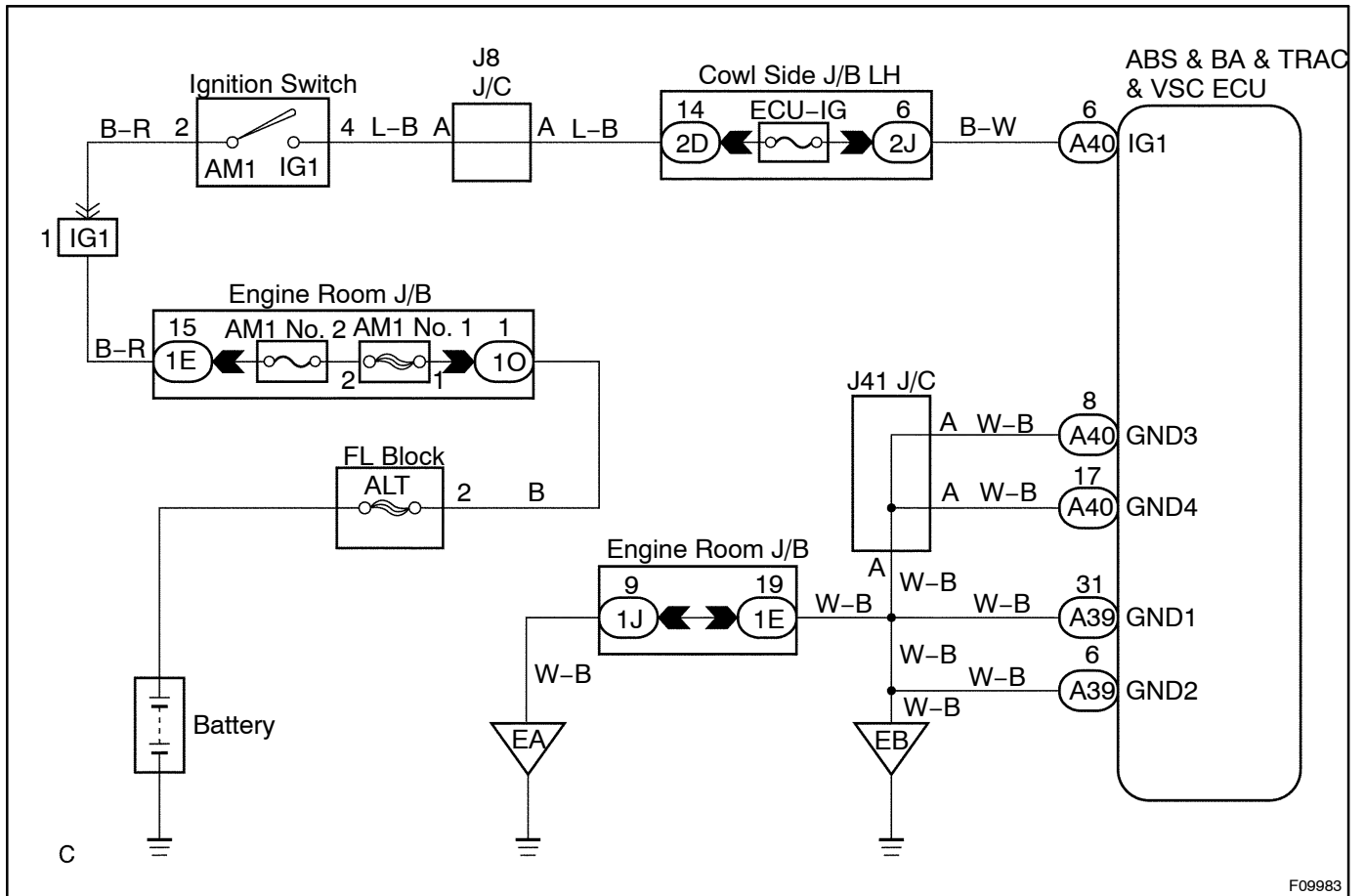


DTC	C1257 / 57	Power Supply Drive Circuit
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1257 / 57	When malfunction inside ECU is detected.	- Battery - Power source circuit - ABS & BA & TRAC & VSC ECU

WIRING DIAGRAM



F09983

INSPECTION PROCEDURE

1	Check battery positive voltage.
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OK:

Voltage: 10 – 14 V

NG

Check and repair the charging system.

OK

2	Check voltage of the ECU IG power source.
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In case of using the LEXUS hand-held tester:

PREPARATION:

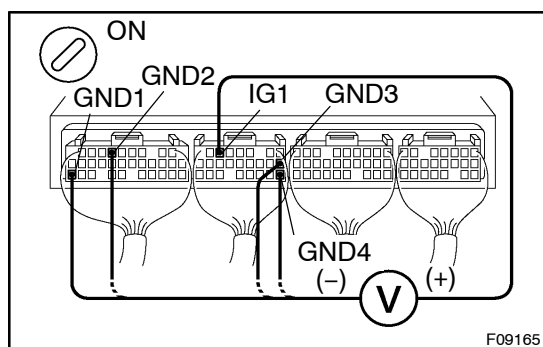
- Connect the LEXUS hand-held tester to the DLC3.
- Turn the ignition switch ON and push the LEXUS hand-held tester main switch ON.
- Select the DATALIST mode on the LEXUS hand-held tester.

CHECK:

Check the voltage condition output from the ECU displayed on the LEXUS hand-held tester.

OK:

"Normal" is displayed.



In case of not using the LEXUS hand-held tester:

PREPARATION:

Remove the ABS & BA & TRAC & VSC ECU with connectors still connected.

CHECK:

- Turn the ignition switch ON.
- Measure voltage between terminals IG1 and GND of ABS & BA & TRAC & VSC ECU connector.

OK:

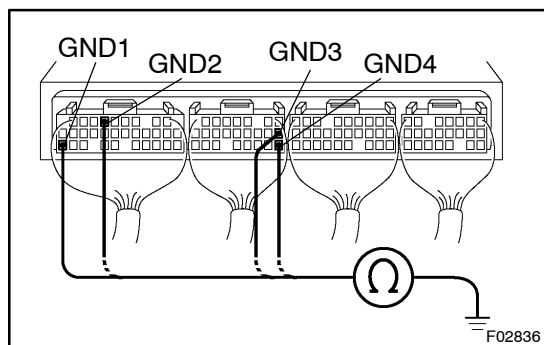
Voltage: 10 – 14 V

OK

Turn ignition switch OFF, check and replace ABS & BA & TRAC & VSC ECU.

NG

3 Check continuity between terminal GND of ABS & BA & TRAC & VSC ECU connector and body ground.



CHECK:

Measure resistance between terminal GND of ABS & BA & TRAC & VSC ECU connector and body ground.

OK:

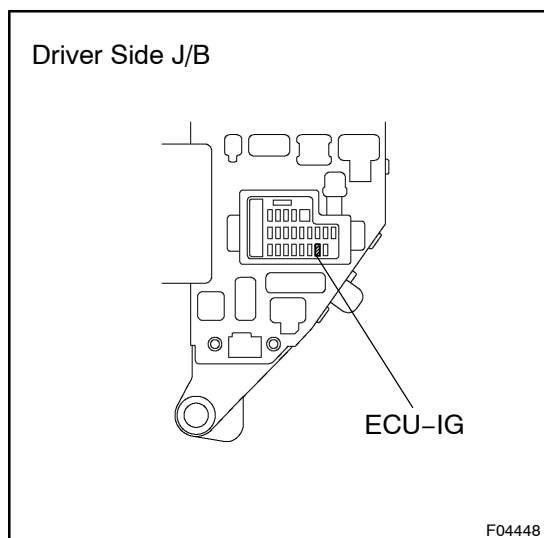
Resistance: 1 Ω or less

NG

Repair or replace harness or connector.

OK

4 Check ECU-IG fuse.



PREPARATION:

Remove the ECU-IG fuse from the driver side J/B.

CHECK:

Check continuity of ECU-IG fuse.

OK:

Continuity

NG

Check for short circuit in all the harness and components connected to ECU-IG fuse (See attached wiring diagram).

OK

Check for open circuit in harness and connector between ABS & BA & TRAC & VSC ECU and battery (See page [IN-34](#)).