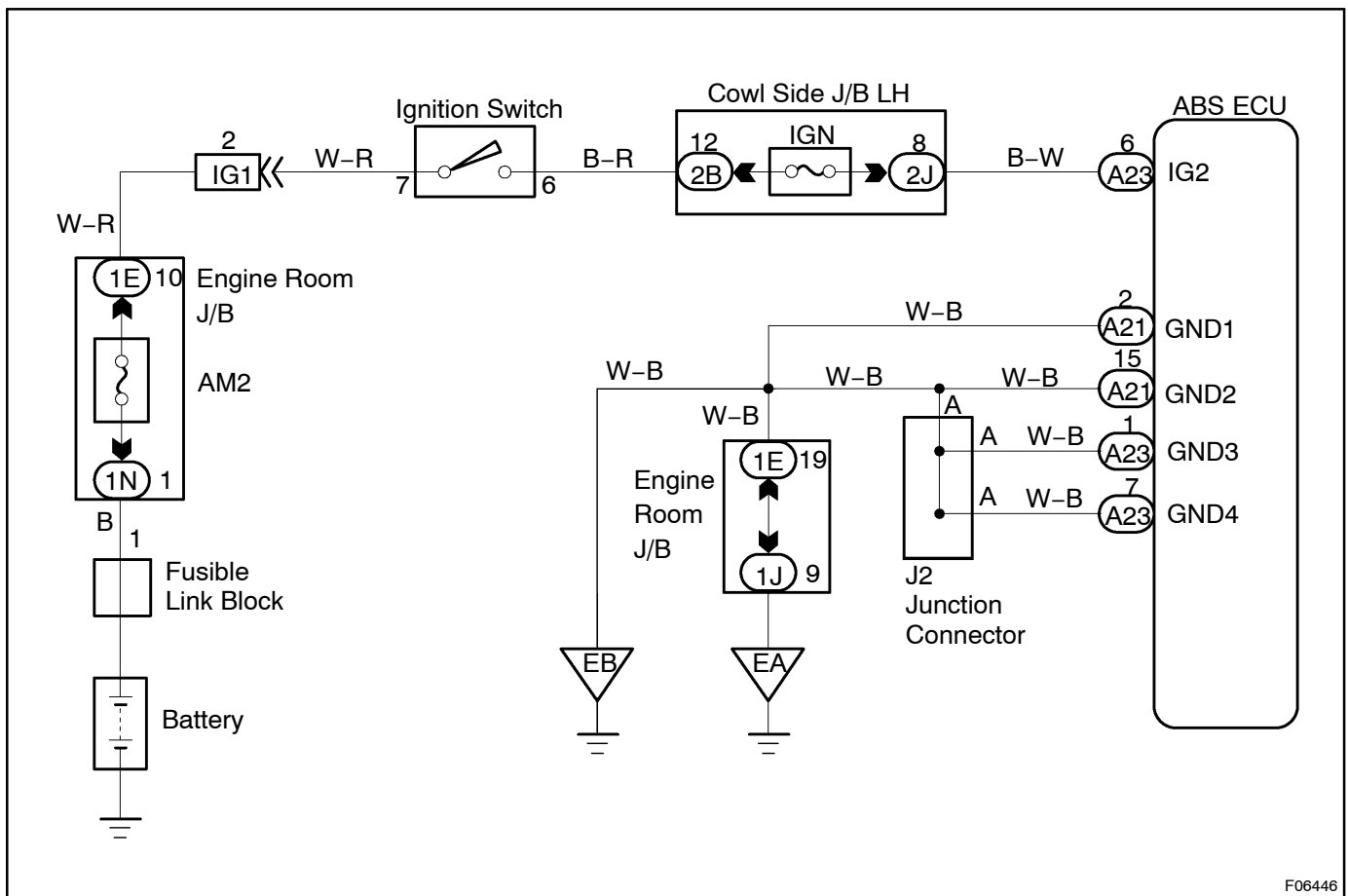


DTC	C1242 / 42	IG2 Power Source Circuit
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1242 / 42	With the vehicle running, open circuit in IG2 is detected for more than 7 sec.	• Battery • Charging system • Power source circuit

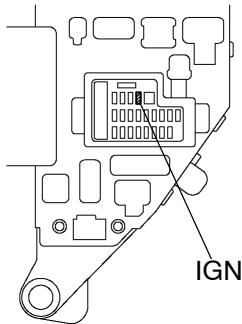
WIRING DIAGRAM



F06446

INSPECTION PROCEDURE**1 Check IGN fuse.**

Cowl Side J/B



F04449

PREPARATION:

Remove the IGN fuse from the cowl side J/B.

CHECK:

Check continuity of IGN fuse.

OK:**Continuity****NG****Check for short circuit in all the harness and components connected to IGN fuse (See attached wiring diagram).****OK****2 Check battery positive voltage.****OK:****Voltage: 10 – 14 V****NG****Check and repair the charging system (See page [CH-2](#)).****OK**

3 Check voltage of the ECU IG2 power source.

In case of using TOYOTA hand-held tester:

PREPARATION:

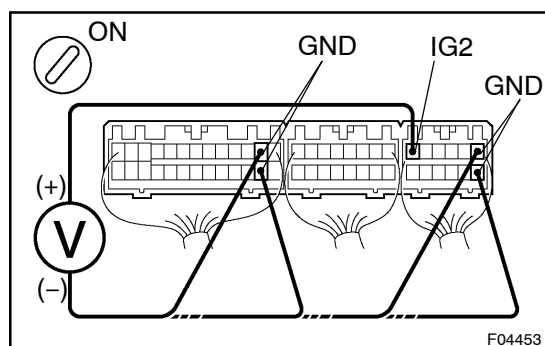
- Connect the TOYOTA hand-held tester to the DLC3.
- Turn the ignition switch ON and push the TOYOTA hand-held tester main switch ON.
- Select the DATALIST mode on the TOYOTA hand-held tester.

CHECK:

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

OK:

"Normal" is displayed.



In case of not using TOYOTA hand-held tester:

PREPARATION:

Remove the ABS ECU with connectors still connected.

CHECK:

- Turn the ignition switch ON.
- Measure voltage between terminals IG2 and GND of ABS ECU connector.

OK:

Voltage: 10 – 14 V

OK

Ignition switch OFF, check and replace ABS ECU.

NG

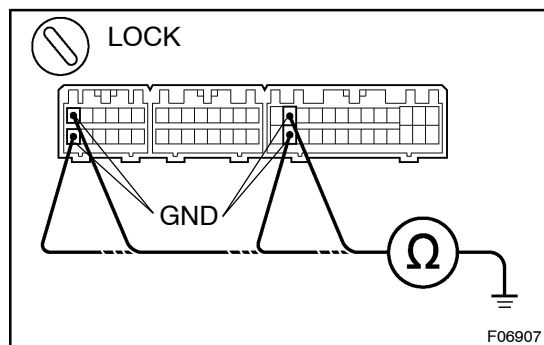
4 Check for open circuit in harness and connector between terminal IG2 of ABS ECU and battery (See page IN-34).

NG

Repair or replace harness or connector.

OK

5 Check continuity between terminal GND of ABS ECU connector and body ground.



PREPARATION:

Disconnect the connector from the ABS ECU.

CHECK:

Measure resistance between terminal GND of ABS ECU harness side connector and body ground.

OK:

Resistance: 1 Ω or less

NG

Repair or replace harness or connector.

OK

Proceed to next circuit inspection show on problem symptoms table (See page [DI-223](#)).