

DTC	C1242 / 42	IG2 Power Source Circuit
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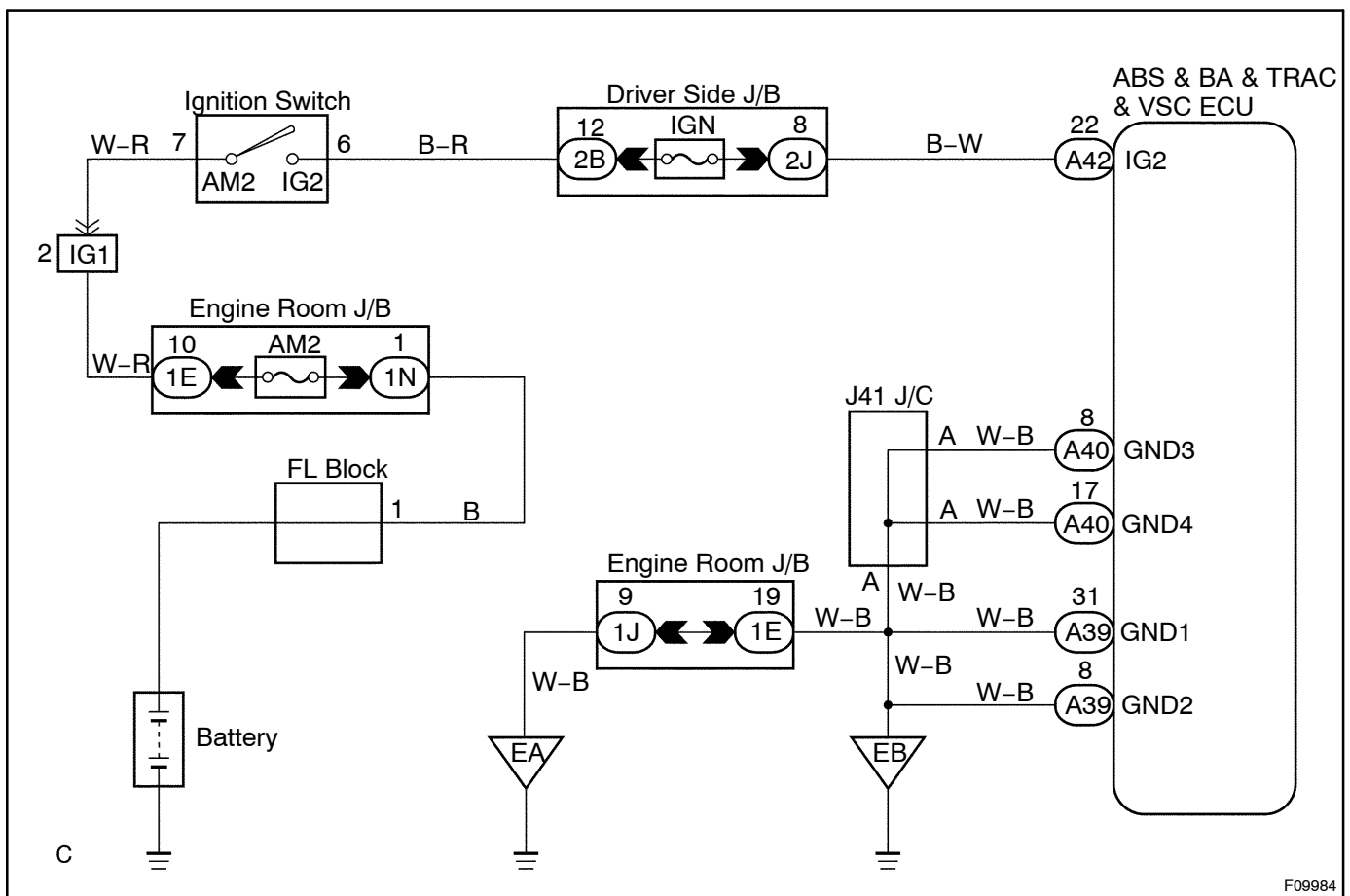
CIRCUIT DESCRIPTION

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 - IC regulator - Power source circuit

Fail safe function:

If trouble occurs in the power source circuit, the ECU cuts off current to the ABS solenoid relay and prohibits ABS & BA & TRAC & VSC controls and the brake system becomes normal.

WIRING DIAGRAM



F09984

INSPECTION PROCEDURE

1	Check battery positive voltage.
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OK:

Voltage: 10 – 14 V

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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:**

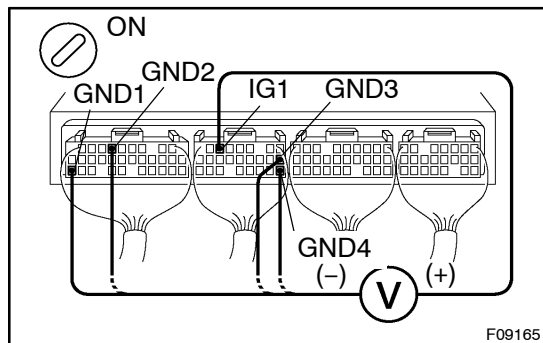
- (a) Connect the LEXUS hand-held tester to the DLC3.
- (b) Turn the ignition switch ON and push the LEXUS hand-held tester main switch ON.
- (c) Select the DATALIST mode on the LEXUS hand-held tester.

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

CHECK:

- (a) Turn the ignition switch ON.
- (b) Measure voltage between terminals IG2 and GND of ABS & BA & TRAC & VSC ECU connector.

OK:

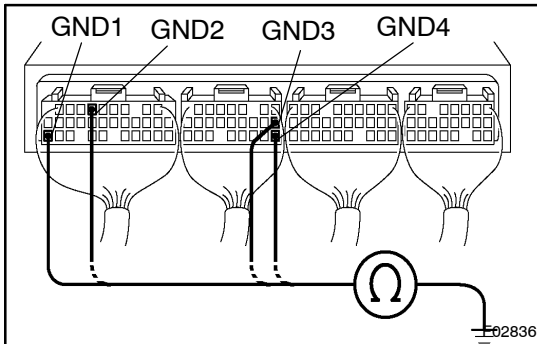
Voltage: 10 – 14 V

OK

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

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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

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Repair or replace harness or connector.

OK

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