

DTC	C 1242 / 42	IG2 Power Source Circuit
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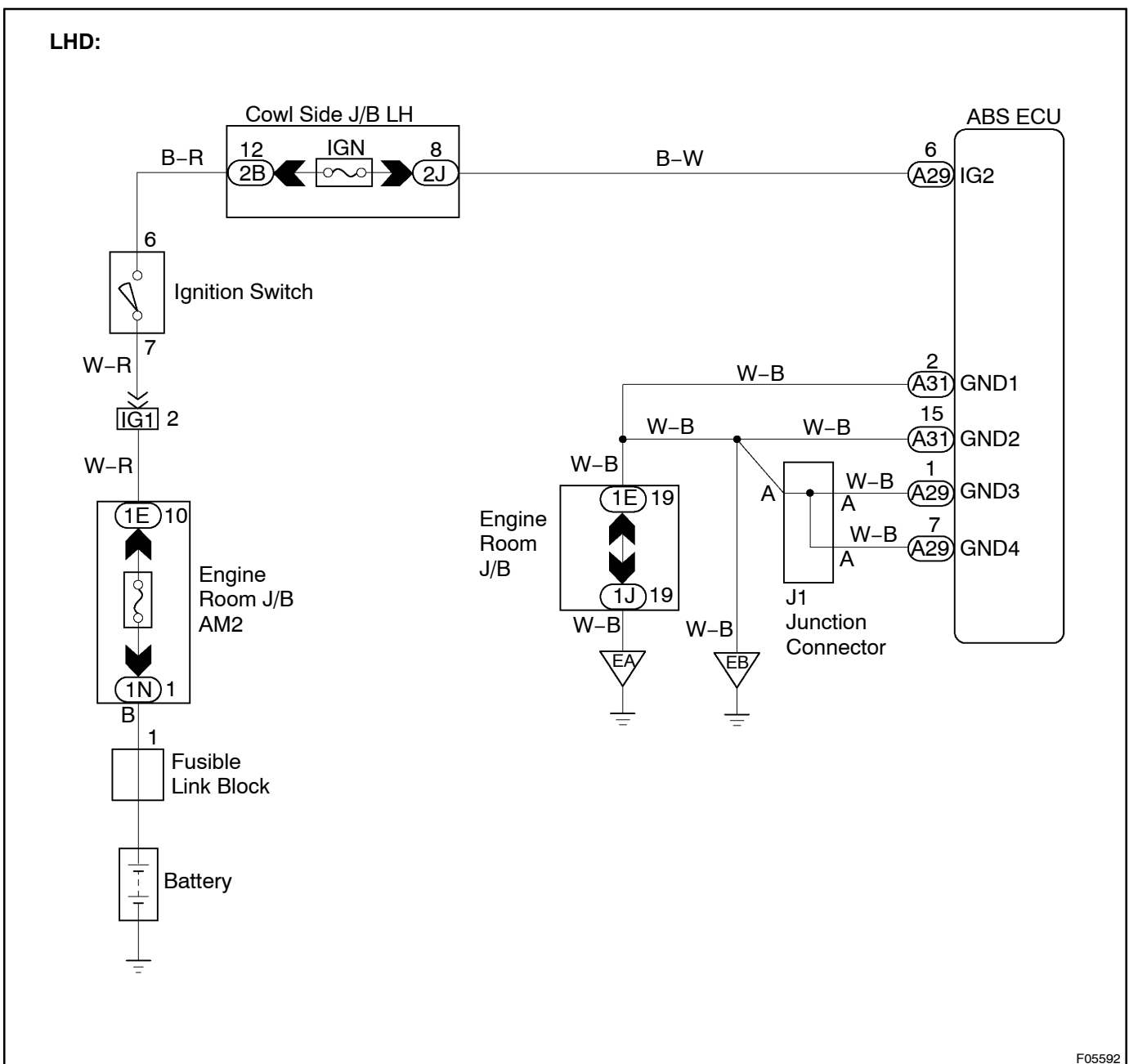
CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1242/42	With the vehicle running, open in IG2 is detected for more than 7 secs.	<ul style="list-style-type: none"> Battery IC regulator Power source circuit

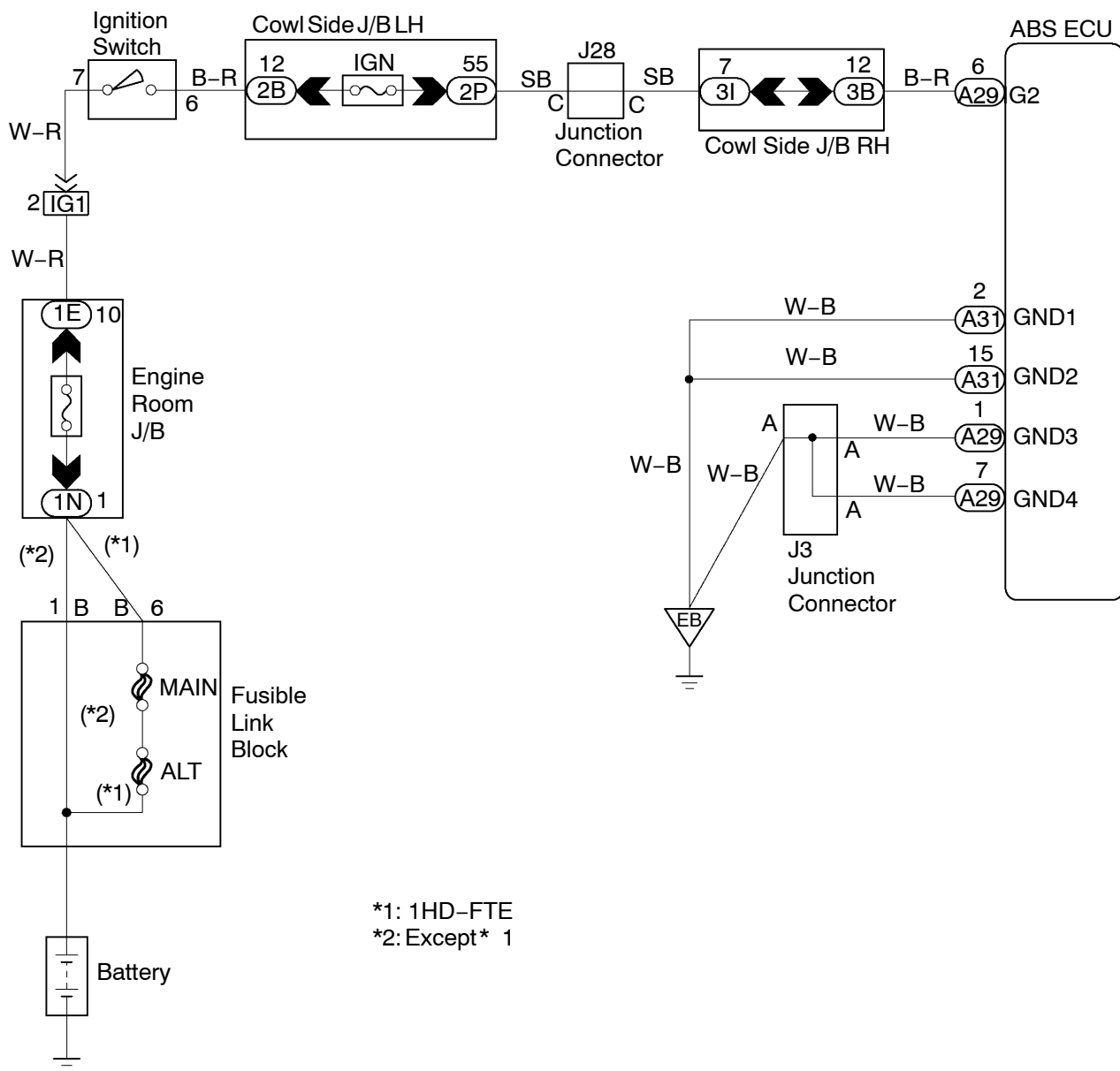
Fail safe function:

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

WIRING DIAGRAM



RHD:



F05591

INSPECTION PROCEDURE

1 Check battery voltage.

OK:

Voltage: 10 – 14 V

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Check and repair the charging system.

OK

2 Check voltage of the ECU IG2 power source.

IN CASE OF USING HAND –HELD TESTER:

PREPARATION:

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

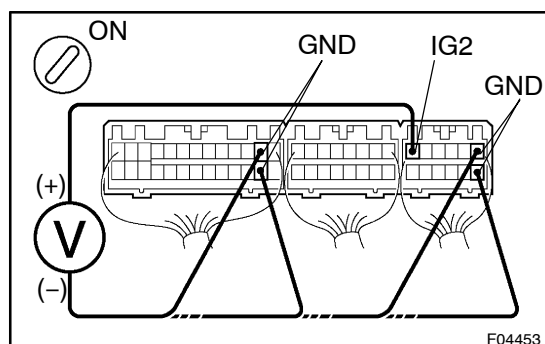
CHECK:

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

OK:

"Normal" is displayed.

IN CASE OF NOT USING HAND –HELD TESTER:



PREPARATION:

Remove ABS ECU with connectors still connected.

CHECK:

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

OK:

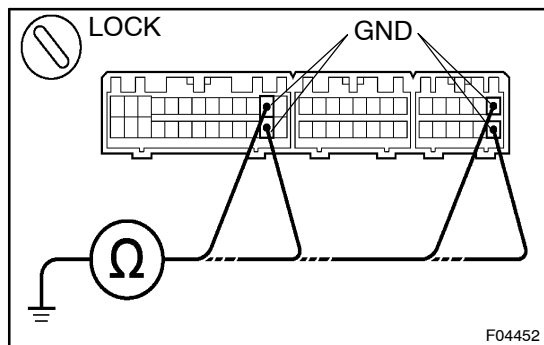
Voltage: 10 – 14 V

OK

Ignition switch OFF, check and replace ABS ECU.

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



CHECK:

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

OK:

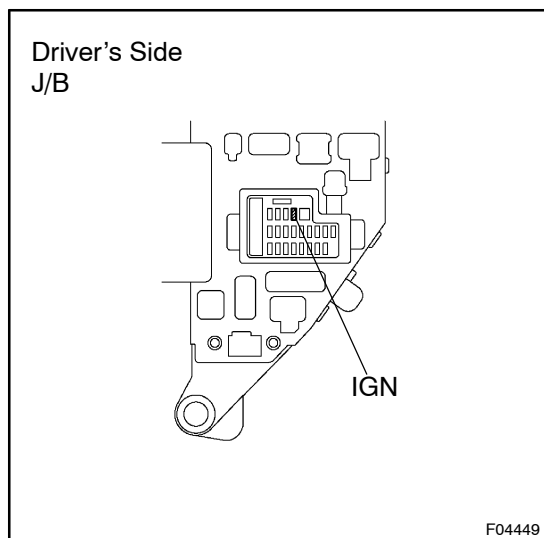
Resistance: 1 Ω or less

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Repair or replace harness or connector.

OK

4 Check IGN fuse.



PREPARATION:

Remove IGN fuse from driver's side J/B.

CHECK:

Check continuity of IGN fuse.

OK:

Continuity

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

OK

**Check for open circuit in harness and connector between ABS ECU and battery.
(See page IN-24)**