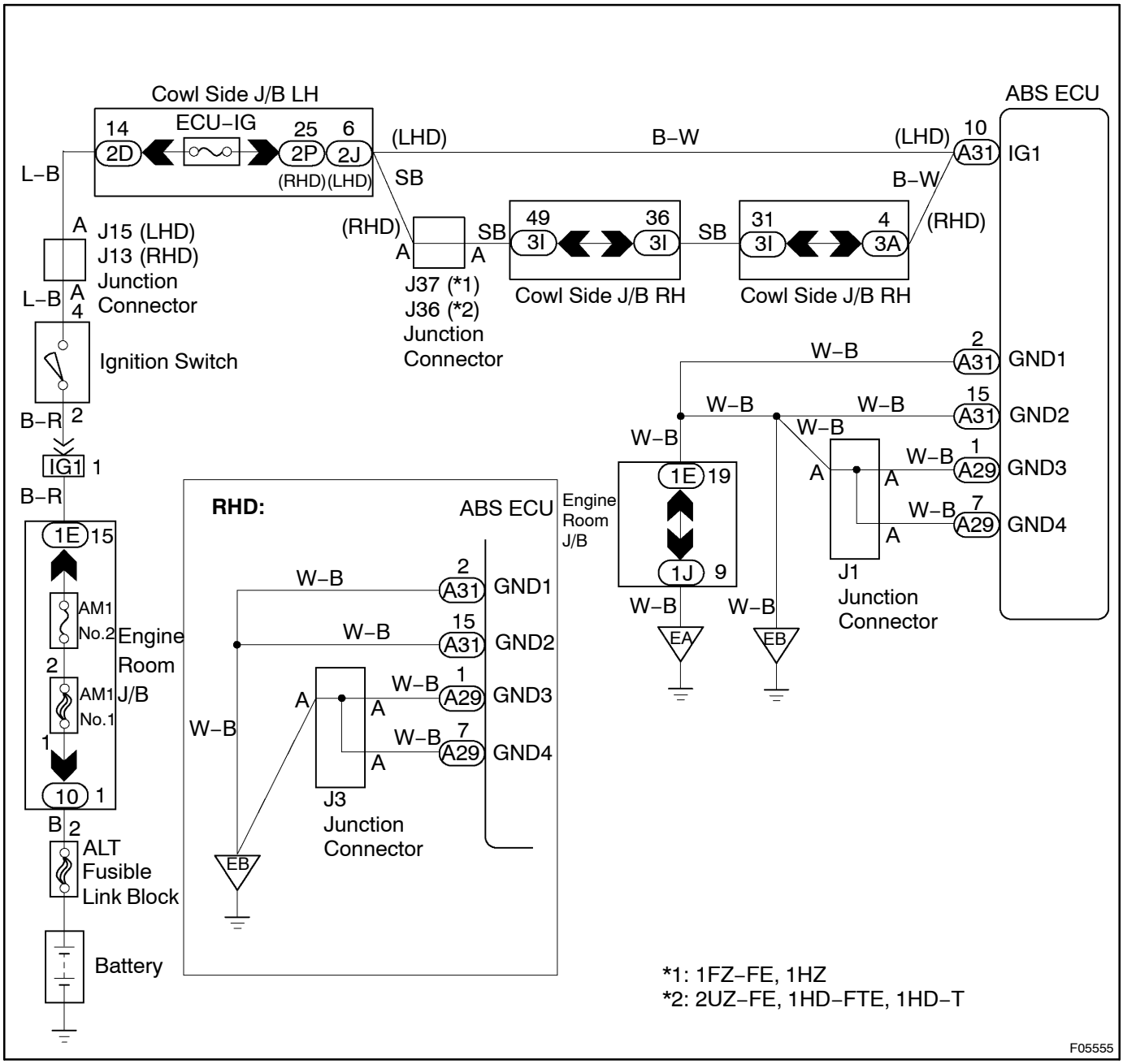
DI3BL–04

DTC	C1257 / 57	Power Supply Drive Circuit

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1257 / 57	After the ignition switch has been turned ON, open or short circuit in circuit of power supply drive system inside ECU.	• Battery • Power source circuit • ABS ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check battery voltage.**

OK:

Voltage: 10 – 14 V

NG → **Check and repair the charging system.**

OK

2	**Check voltage of the ECU IG power souce.**

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.

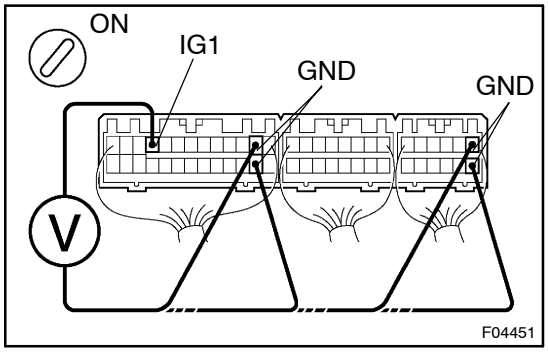
CHECK:

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.

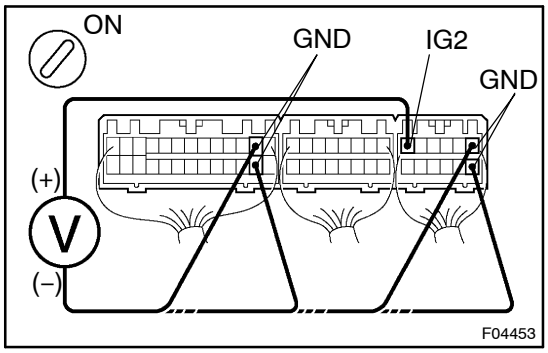
CHECK:

(a) Turn the ignition switch ON.

(b) Measure voltage between terminals IG1 and GND of ABS ECU connector.

OK:

Voltage: 10 – 14 V



CHECK:

(a) Turn the ignition switch ON.

(b) Measure voltage between terminals IG2 and GND of ABS ECU connector.

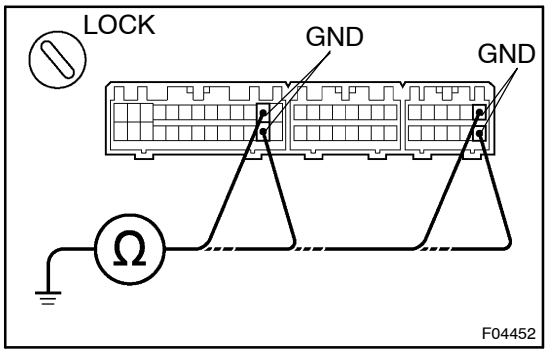
OK:

Voltage: 10 – 14 V

OK	**Ignition switch OFF, check and replace ABS ECU.**

NG

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:

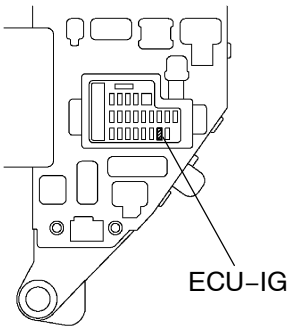
Resistance: 1 Ω or less

NG	**Repair or replace harness or connector.**

OK

4	Check ECU–IG fuse.

Driver's Side J/B



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PREPARATION:

Remove ECU–IG fuse from the driver's 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 ECU and battery (See page IN–24).