DI29D−02

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 continues for more than 1.5 secs.	• Battery • Power source circuit • ABS & TRC & VSC ECU

WIRING DIAGRAM
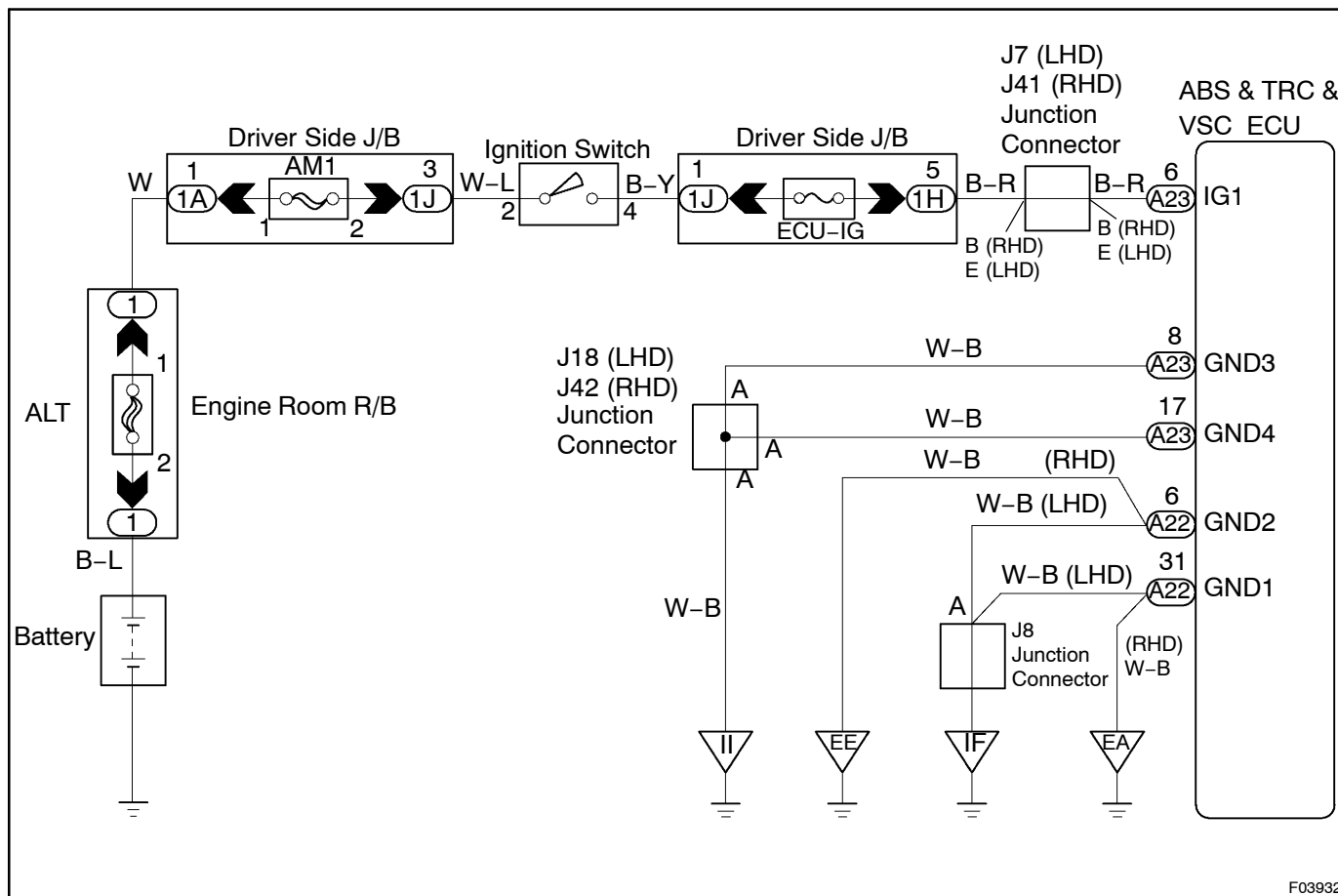
F03932

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 the 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 the hand–held tester.
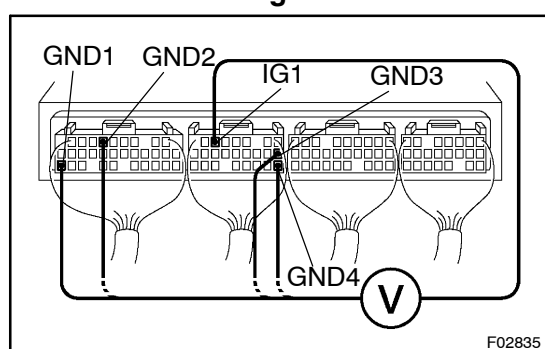
PREPARATION:

Remove ABS & TRC & VSC ECU with connectors still connected.

CHECK:

(a)   Turn the ignition switch ON.

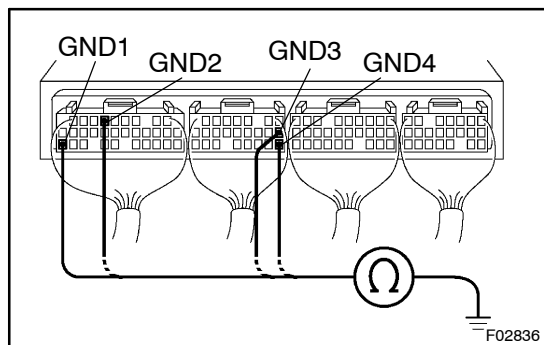(b)   Measure voltage between terminals IG1 and GND of ABS & TRC & VSC ECU connector.

OK:

    Voltage: 10 – 14 V

> **OK** ⟩ **Ignition switch OFF, check and replace ABS & TRC & VSC ECU.**

NG

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

GND1 GND2 GND3 GND4

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CHECK:
Measure resistance between terminal GND of ABS & TRC & 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.

Driver's Side J/B

ECU−IG

F04236
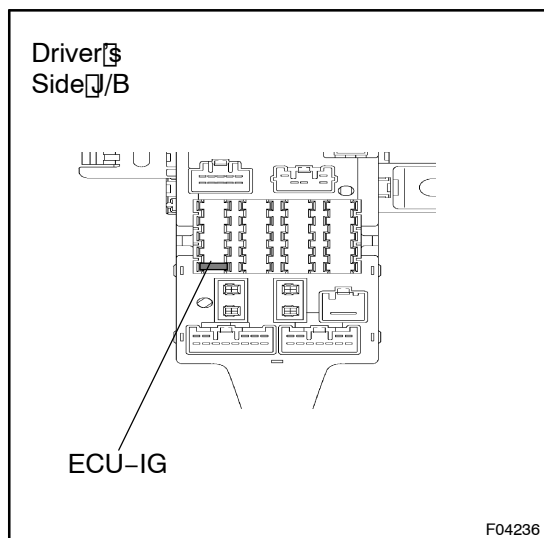
PREPARATION:
Remove ECU−IG fuse from the driver's side J/B.
CHECK:
Check continuity of ECU−IG fuse.
OK:

> **Continuity**

NG >	Check for short 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 & TRC & VSC ECU and battery (See page IN−29).