

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.	<ul style="list-style-type: none"> <li>• Battery</li> <li>• Power source circuit</li> <li>• ABS ECU</li> </ul>

The diagram illustrates the electrical connections for the ABS system. Key components and their connections include:

- ABS ECU:**
  - Terminal 10 (IG1) connects to the Cowl Side J/B LH (LHD) via a B-W wire.
  - Terminal 2 (GND1) connects to the Engine Room J/B (W-B).
  - Terminal 15 (GND2) connects to the Engine Room J/B (W-B).
  - Terminal 1 (GND3) connects to the Engine Room J/B (W-B).
  - Terminal 7 (GND4) connects to the Engine Room J/B (W-B).
- Cowl Side J/B LH:**
  - Terminal 14 (2D) connects to the ECU-IG.
  - Terminal 25 (2P) connects to the ECU-IG.
  - Terminal 6 (2J) connects to the Cowl Side J/B RH (LHD) via a B-W wire.
- Cowl Side J/B RH:**
  - Terminal 49 (3I) connects to the Cowl Side J/B LH (LHD) via a B-W wire.
  - Terminal 36 (3I) connects to the Cowl Side J/B LH (LHD) via a B-W wire.
  - Terminal 31 (3I) connects to the Cowl Side J/B LH (LHD) via a B-W wire.
  - Terminal 4 (3A) connects to the Cowl Side J/B LH (LHD) via a B-W wire.
- Engine Room J/B:**
  - Terminal 1E (19) connects to the Engine Room J/B (W-B).
  - Terminal 1J (9) connects to the Engine Room J/B (W-B).
- Other Components:**
  - Ignition Switch:** Connects to the Cowl Side J/B LH (LHD) via a B-W wire.
  - ALT Fusible Link Block:** Connects to the Engine Room J/B (W-B).
  - Battery:** Connects to the Engine Room J/B (W-B).
  - Junction Connectors:** J15 (LHD), J13 (RHD), J37 (\*1), J36 (\*2), J3, and J1 are used to connect various wires.

Legend:

- \*1: 1FZ-FE, 1HZ
- \*2: 2UZ-FE, 1HD-FTE, 1HD-T

**INSPECTION PROCEDURE**

1	Check battery voltage.
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**OK:**

Voltage: 10 – 14 V

**NG**

Check and repair the charging system.

**OK**

2	Check voltage of the ECU IG power source.
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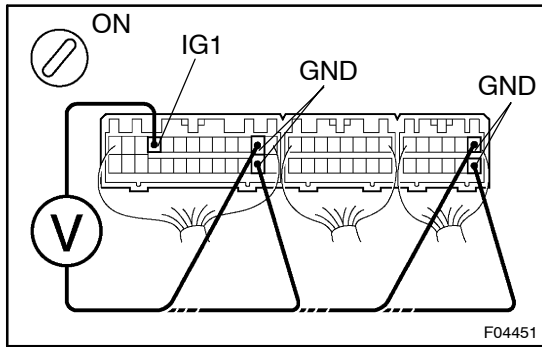
**IN CASE OF USING HAND –HELD TESTER:****PREPARATION:**

- (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:**

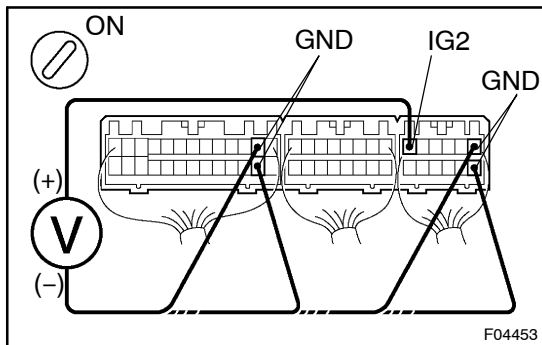
Remove ABS ECU with connectors still connected.

**CHECK:**

- (a) Turn the ignition switch ON.
- (b) Measure voltage between terminals IG 1 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**

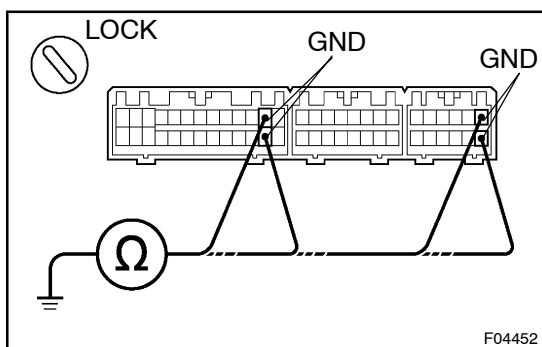
**OK**

**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.

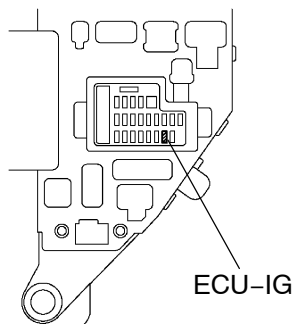
**OK:**

**Resistance: 1 Ω or less**

**NG**

**Repair or replace harness or connector.**

**OK**

**4 Check ECU-IG fuse.**Driver's  
Side J/B

F04448

**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](#)).**