

<b>DTC</b>	<b>41</b>	<b>IG Power Source Circuit</b>
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**CIRCUIT DESCRIPTION**

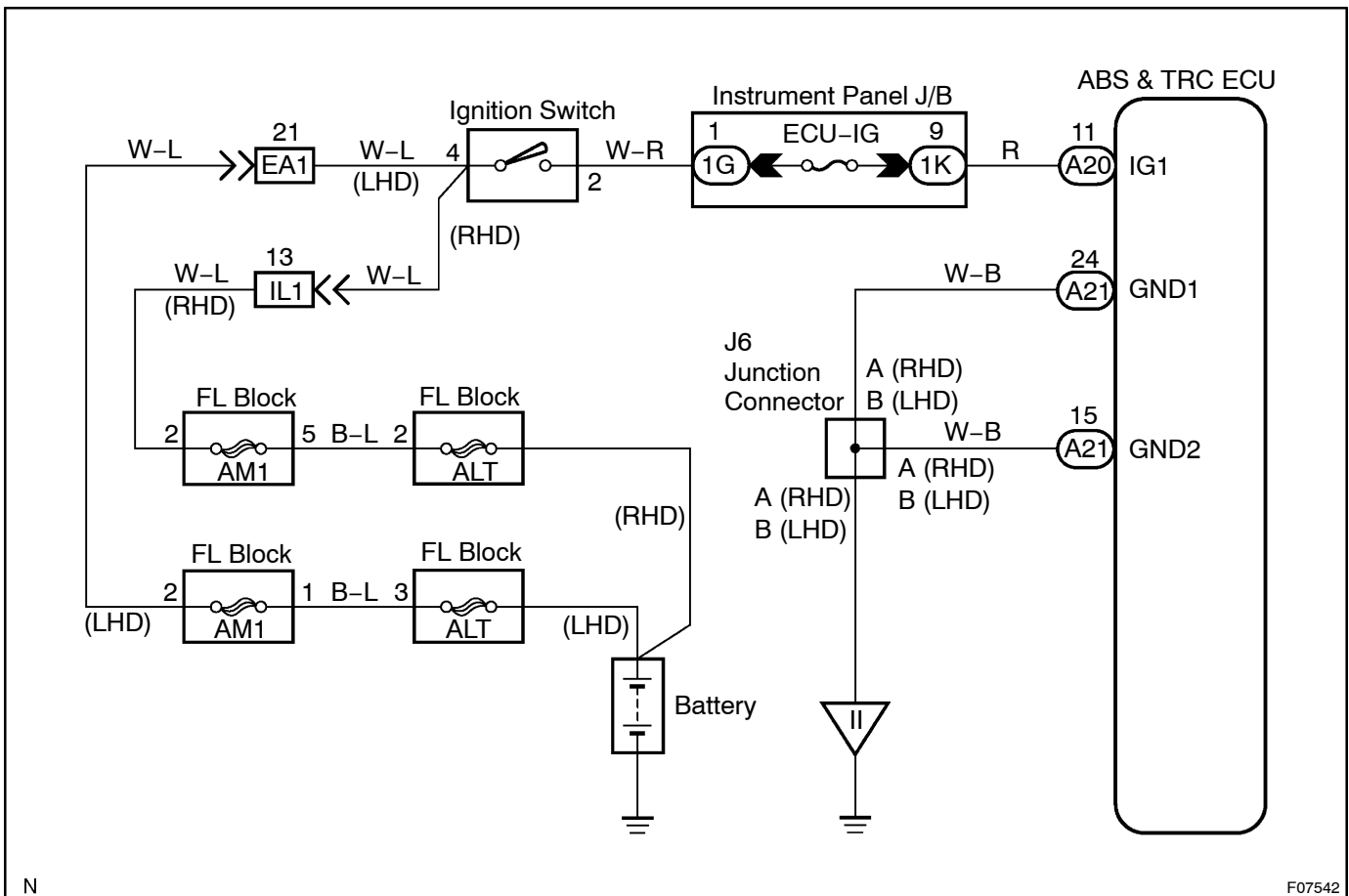
DTC No.	DTC Detecting Condition	Trouble Area
41	Detection of any of conditions 1. or 2.: 1. Vehicle speed is 3 km/h (1.9 mph) or more and voltage of ECU terminal IG remains at below 9.5 V for more than 10 sec. 2. While the condition that the solenoid relay is ON continues, ECU terminal IG1 voltage becomes 9.5 V or less, and the condition that the contact point of the solenoid relay is OFF continues for 0.2 sec. or more.	<ul style="list-style-type: none"> <li>• Battery</li> <li>• Charging system</li> <li>• Power source circuit</li> </ul>

This is the power source for the ECU, hence the actuators.

Fail safe function:

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

**WIRING DIAGRAM**

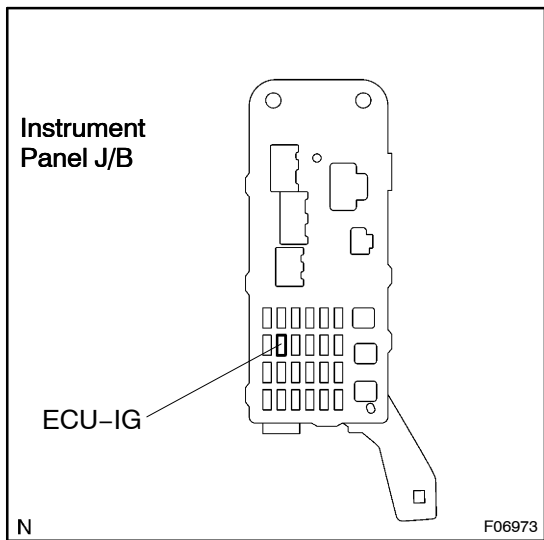


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### INSPECTION PROCEDURE

<b>1</b>	<b>Check ECU-IG fuse.</b>
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**PREPARATION:**

Remove ECU-IG fuse from instrument panel 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**

<b>2</b>	<b>Check battery voltage.</b>
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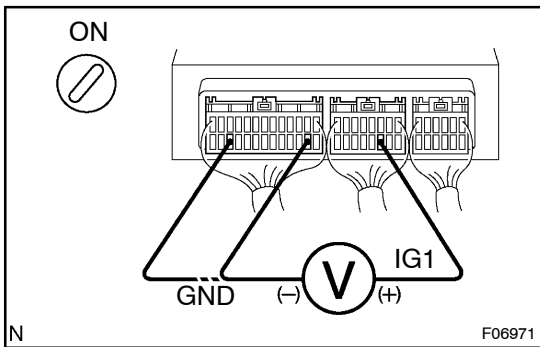
**OK:**

**Voltage: 10 - 14 V**

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

**OK**

- 3 Check voltage between terminals IG1 (A20 - 11) and GND (A21 - 15, 24) of ABS & TRC ECU.

**PREPARATION:**

Remove ABS & TRC ECU with connectors still connected.

**CHECK:**

- Turn the ignition switch ON.
- Measure voltage between terminals IG1 and GND of ABS & TRC ECU connector.

**OK:**

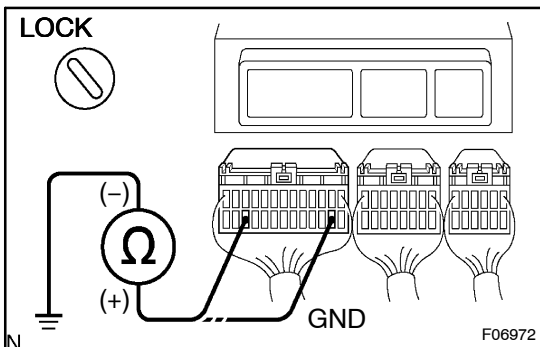
Voltage: 10 - 14 V

OK

Check and replace ABS & TRC ECU.

NG

- 4 Check continuity between terminals GND (A21 - 15, 24) of ABS & TRC ECU and body ground.

**CHECK:**

- Disconnect the connector from the ABS & TRC ECU.
- Measure resistance between terminal GND of ABS & TRC ECU connector and body ground.

**OK:**

Resistance: 1  $\Omega$  or less

NG

Repair or replace harness or connector.

OK

Check for open circuit in harness and connector between ABS & TRC ECU and ECU-IG1 use (See page IN-30).