

DTC	41	IG Power Source Circuit
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CIRCUIT DESCRIPTION

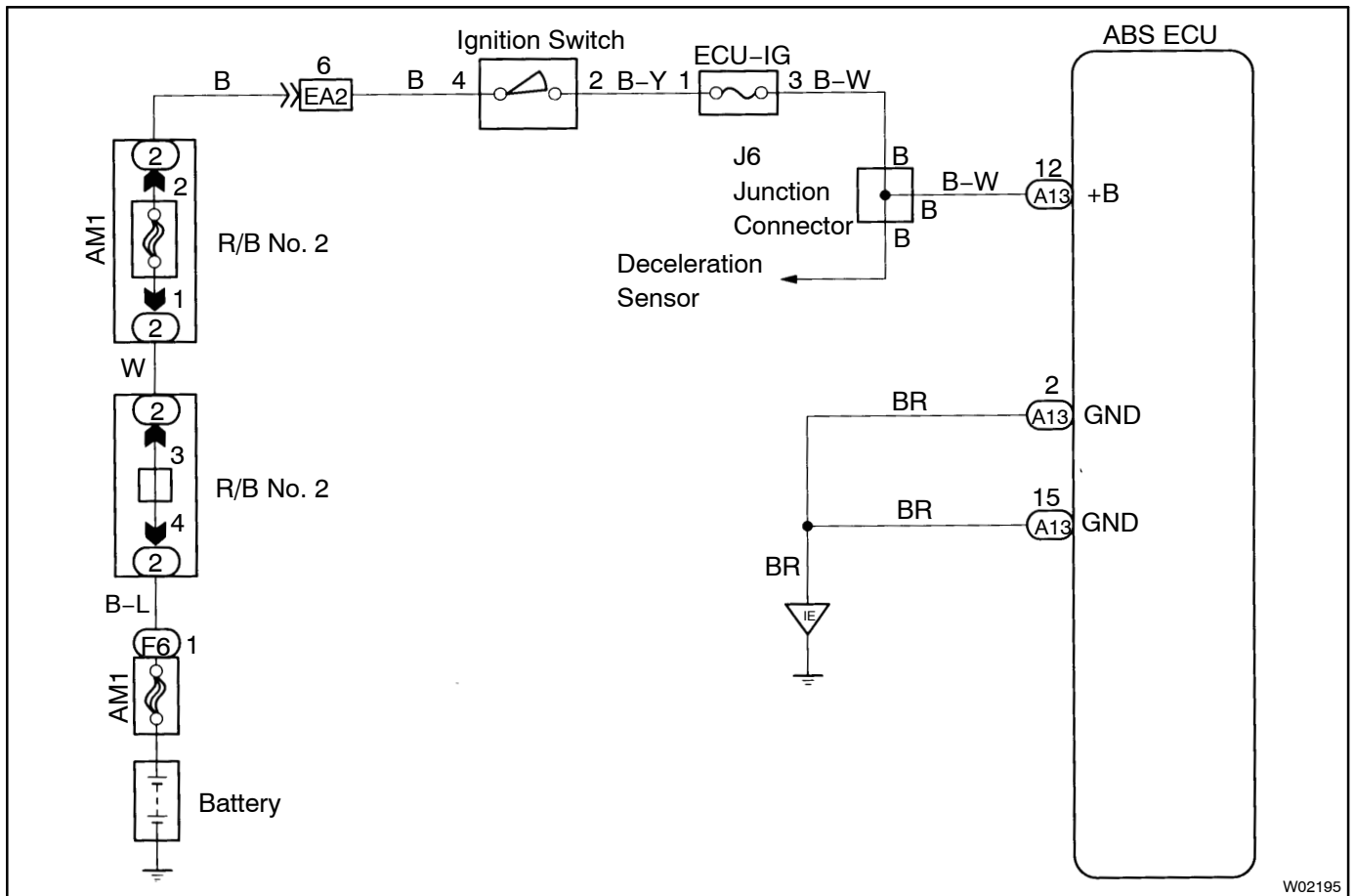
This is the power source for the ECU, hence the CPU and actuators.

DTC No.	DTC Detecting Condition	Trouble Area
41	Vehicle speed is 3 km/h (1.9 mph) or more and voltage of ECU terminal IG1 remains at more than 17 V or below 9.5 V for more than 10 sec.	• Battery • IC regulator • Open or short in power source circuit

Fail safe function:

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

WIRING DIAGRAM



W02195

INSPECTION PROCEDURE

1 Check battery positive voltage.

OK:

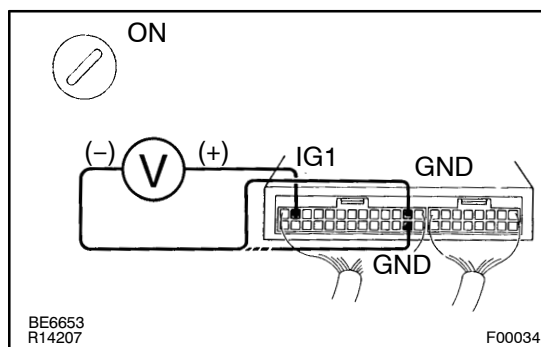
Voltage: 10 – 14 V

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Check and repair charging system.

OK

2 Check voltage between terminals IG1 and GND of ABS ECU connector.

**PREPARATION:**

Remove the ABS ECU with connectors still connected.

CHECK:

- (a) Turn the ignition switch ON.
- (b) Measure the voltage between terminals IG1 and GND of the ABS ECU connector.

OK:

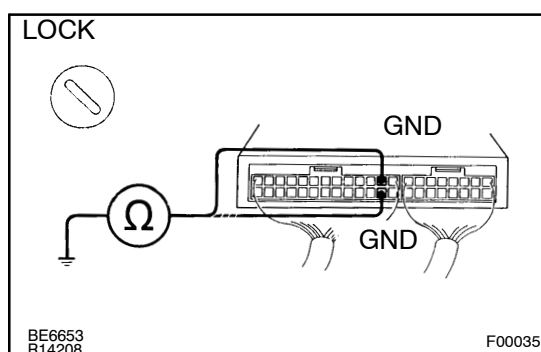
Voltage: 10 – 14 V

OK

Check and replace ABS ECU.

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

**CHECK:**

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

OK:

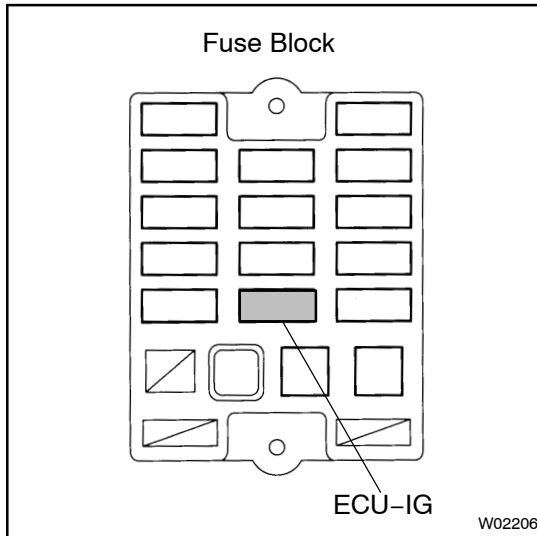
Resistance: 1 Ω or less

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Repair or replace harness or connector.

OK

4 Check ECU-IG fuse.



PREPARATION:

Remove the ECU-IG fuse from the Fuse block.

CHECK:

Check the continuity of the ECU-IG fuse.

OK:

Continuity

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Check for short in all harness and components connected to ECU-IG fuse (See attached wiring diagram).

OK

Check for open in harness and connector between ABS ECU and battery (See page [IN-28](#)).