

DTC	41	IG Power Source Circuit
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## CIRCUIT DESCRIPTION

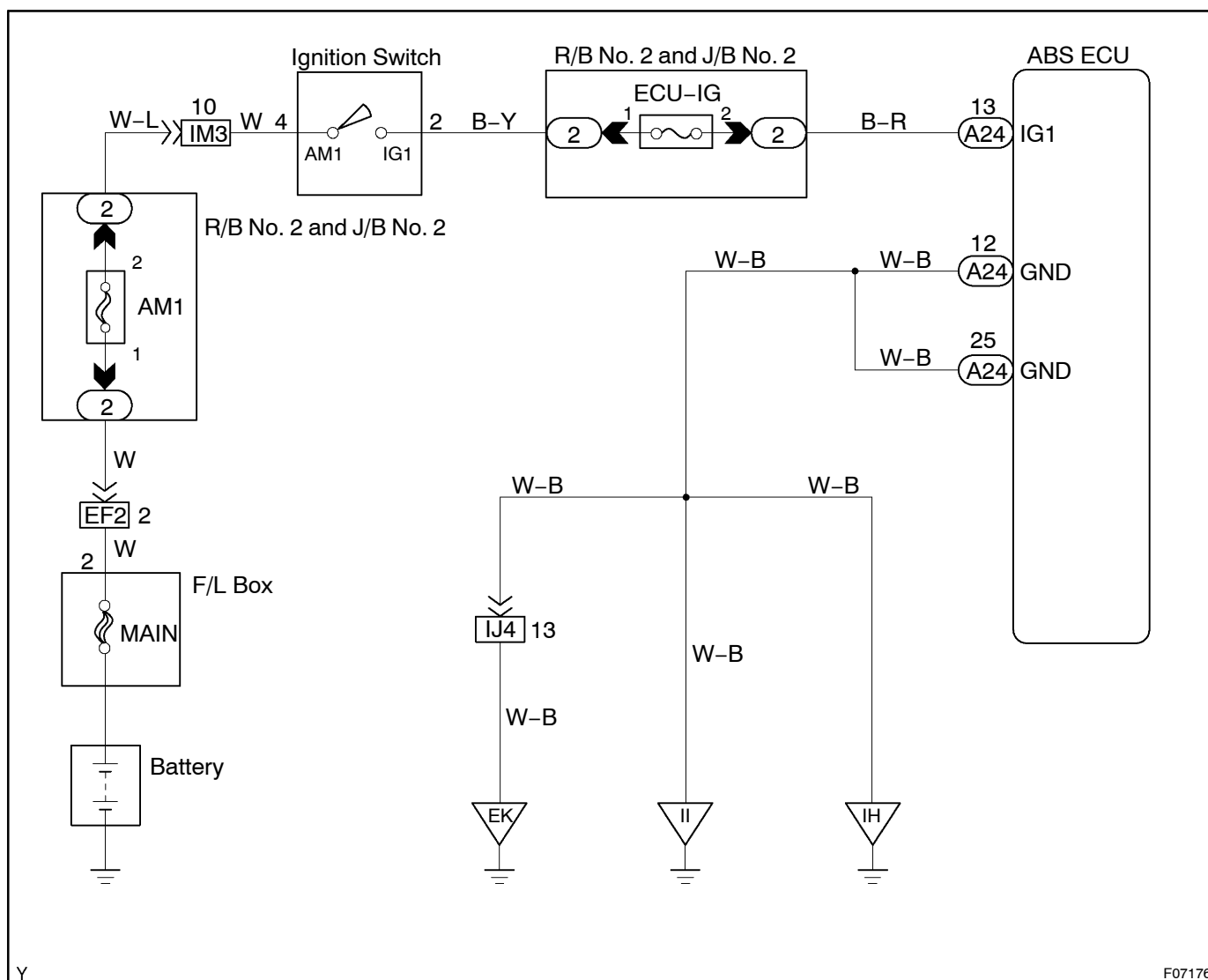
This is the power source for the ABS ECU, hence the actuators.

DTC No.	DTC Detecting Condition	Trouble Area
41	<ol style="list-style-type: none"> <li>When the condition that the vehicle speed is 3km/h (2 mph) or more and ECU IG1 terminal voltage is less than 9.5 V has been continued for more than 10 seconds.</li> <li>When ECU IG1 terminal voltage is less than 9.5 V, the solenoid relay has a wire break, the motor relay has a wire break and the detection of the solenoid abnormality is accomplished.</li> </ol>	<ul style="list-style-type: none"> <li>Battery</li> <li>IC regulator</li> <li>Power source circuit</li> </ul>

Fail safe function:

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

## WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1 Check battery voltage.

**OK:**

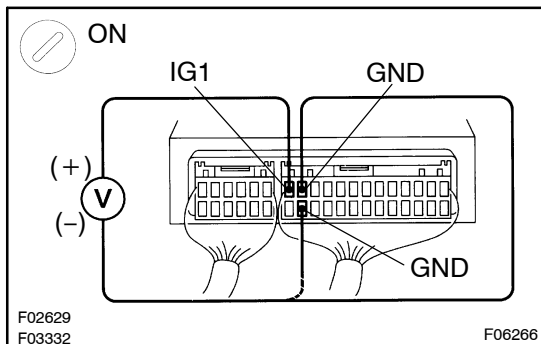
Voltage: 10 – 14 V

**NG**

Check and repair the charging system.

**OK**

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



**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:**

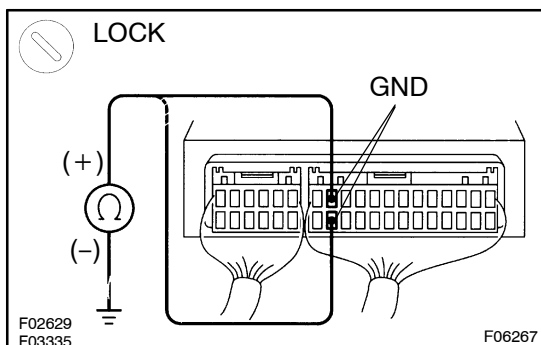
Voltage: 10 – 14 V

**OK**

Check and replace ABS ECU.

**NG**

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



**CHECK:**

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

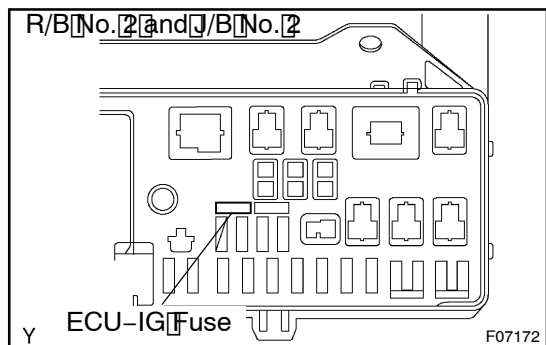
**OK:**

Resistance: 1 Ω or less

**NG**

Repair or replace harness or connector.

**OK**

**4 Check ECU-IG fuse.****PREPARATION:**

Remove ECU-IG fuse from R/B No. 2 and J/B No. 2.

**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 N-30).