

DTC	41	IG Power Source Circuit
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CIRCUIT DESCRIPTION

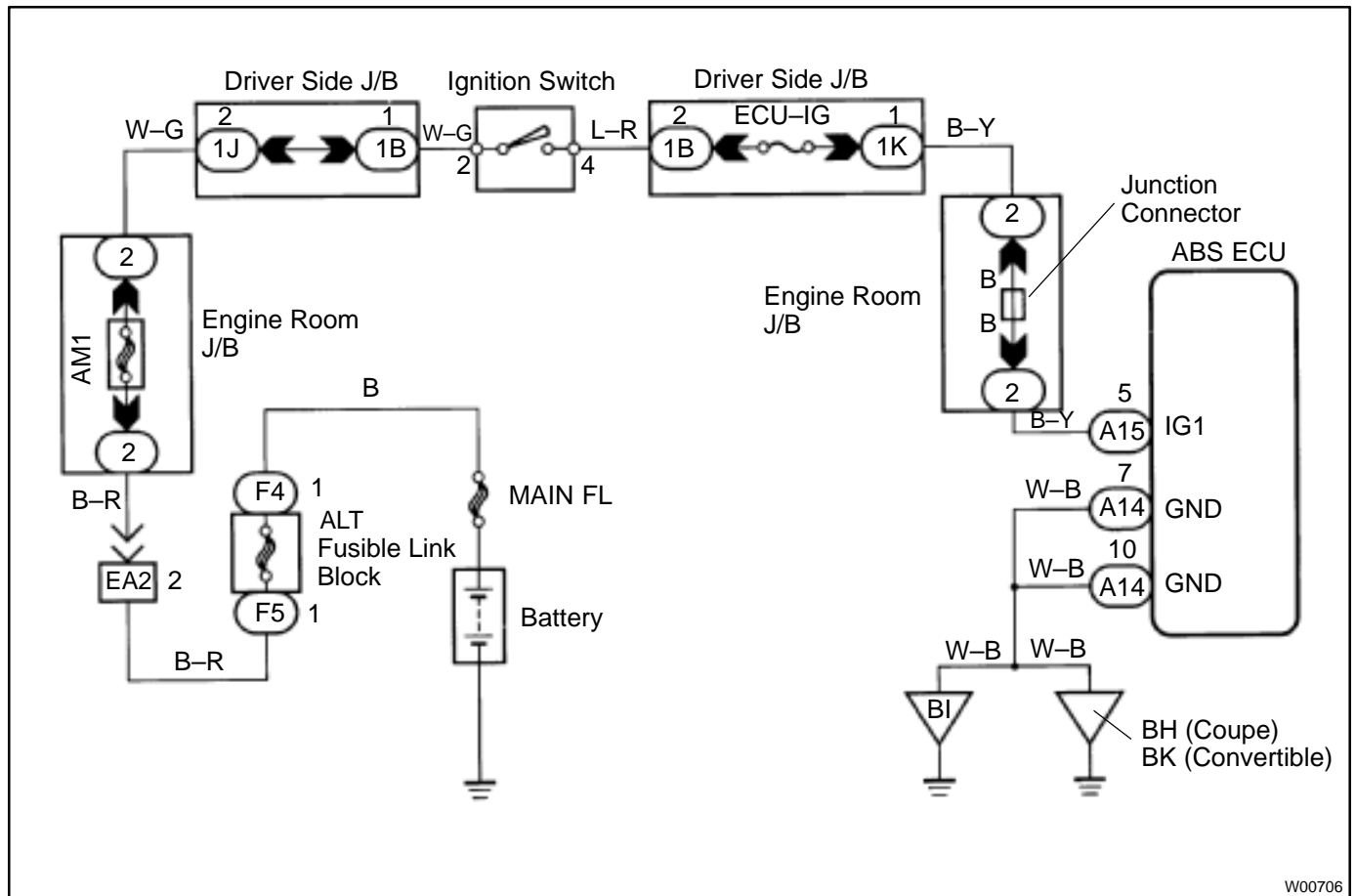
This is the power source for the ECU and, hence the CPU and actuators.

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.	<ul style="list-style-type: none"> • 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



W00706

INSPECTION PROCEDURE

1 Check battery positive voltage.

OK:

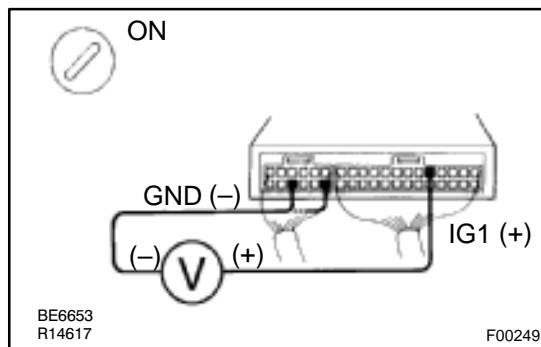
Voltage: 10 – 14 V

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

OK:

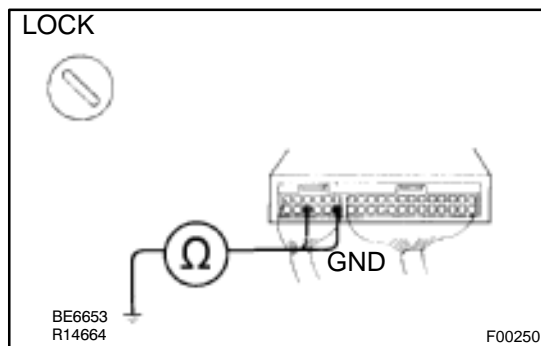
Voltage: 10 – 14 V

OK

Check and replace ABS ECU.

NG

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



CHECK:

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

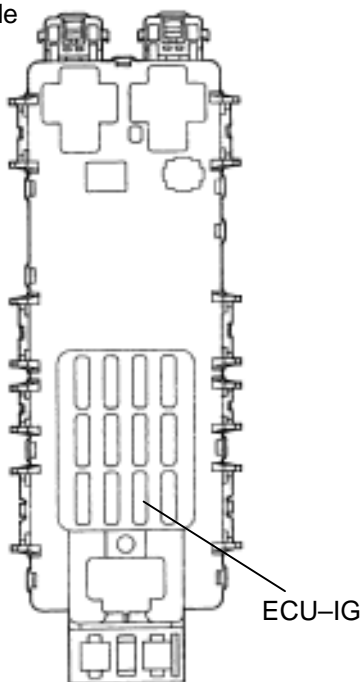
OK:

Resistance: 1 Ω or less

NG

Repair or replace harness or connector.

OK

4 Check ECU-IG fuse.Driver Side
J/B**PREPARATION:**

Remove ECU-IG fuse from driver 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.****OK****Check for open in harness and connector between ABS ECU and battery (See page [IN-27](#)).**