DI1JC–02

DTC	41	IG Power Source Circuit

CIRCUIT DESCRIPTION

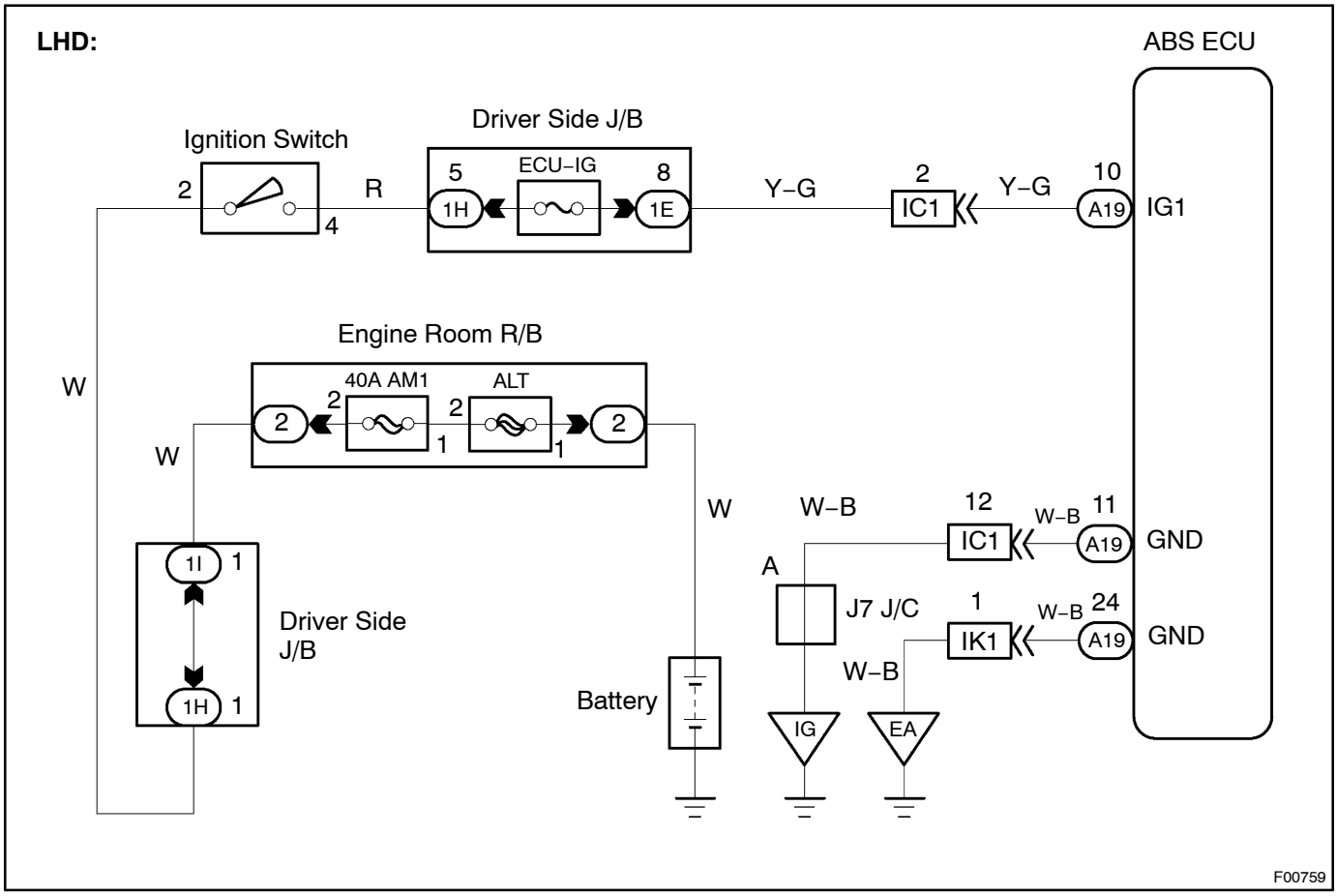
This is the power source for the ECU, hence the actuators.

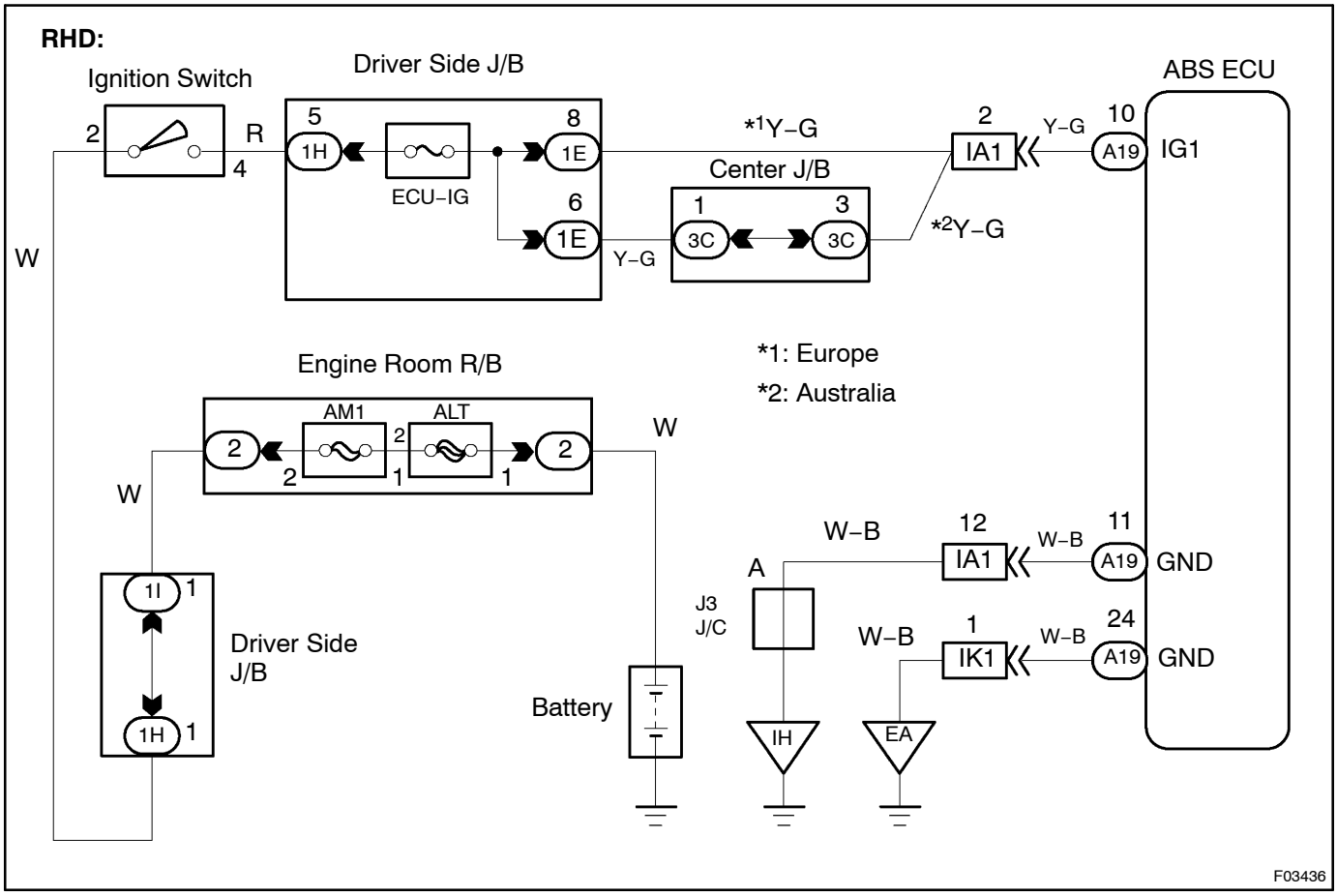
DTC No.	DTC Detecting Condition	Trouble Area
41	Vehicle speed is 3 km/h (1.9 mph) or more and voltage of ECU terminal IG1 remains at more than 17 V or below 9.5 V for more than 10 sec.	• Battery • IC regulator • Open or short in power source circuit • ECU

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





INSPECTION PROCEDURE

1	**Check battery voltage.**

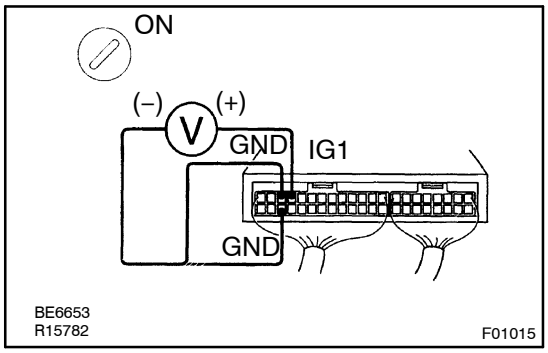
OK:

Voltage: 10 – 14 V

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

OK

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

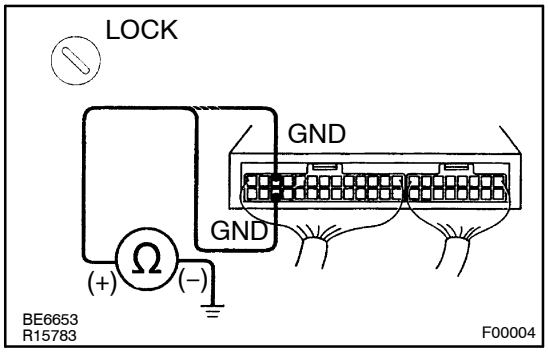


PREPARATION:
Remove ABS ECU with connectors still connected.
CHECK:
(a) Turn the ignition switch ON.
(b) Measure voltage between terminals IG1 and GND of ABS ECU connector.
OK:
Voltage: 10 – 14 V

OK	Check and replace ABS ECU (See page IN–26).

NG

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

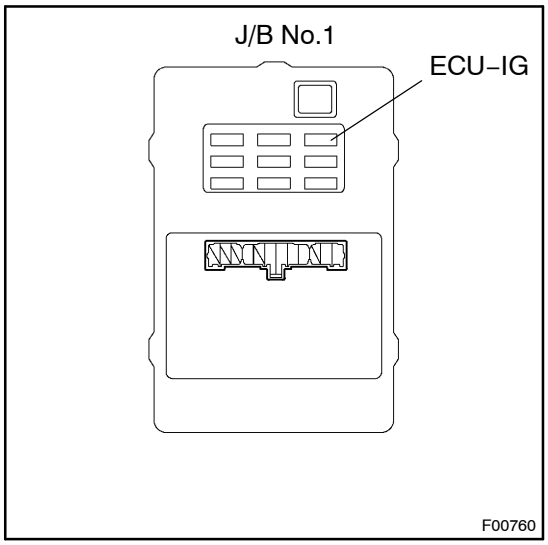


CHECK:
Measure resistance between terminals GND of ABS ECU connector and body ground.
OK:
Resistance: 1 Ω or less

NG	Repair or replace harness or connector.

OK

4	Check ECU–IG fuse.



PREPARATION:
Remove ECU–IG fuse from J/B No.1.
CHECK:
Check continuity of ECU–IG fuse.
OK:
Continuity

NG → **Check for short in all the 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–26).