DIB17–01

DTC	C1241 / 41	IG Power Source Circuit

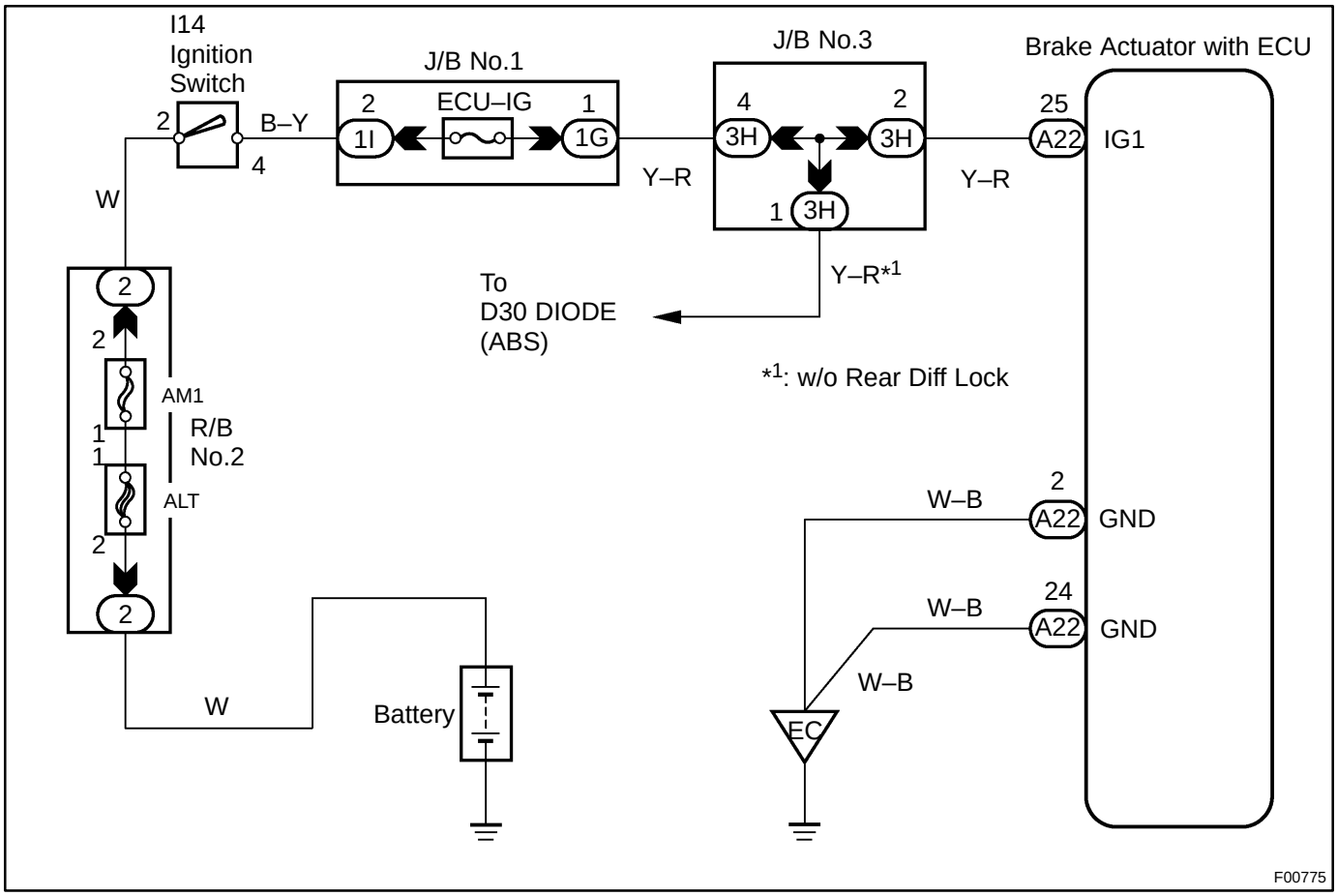
CIRCUIT DESCRIPTION

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

DTC No.	DTC Detecting Condition	Trouble Area
C1241 / 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 • Skid control ECU • Wire harness

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 positive voltage.**

OK:

Voltage: 10 – 14 V

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

OK

2	**Check voltage of the ECU IG power source.**

In case of using hand–held tester:

PREPARATION:

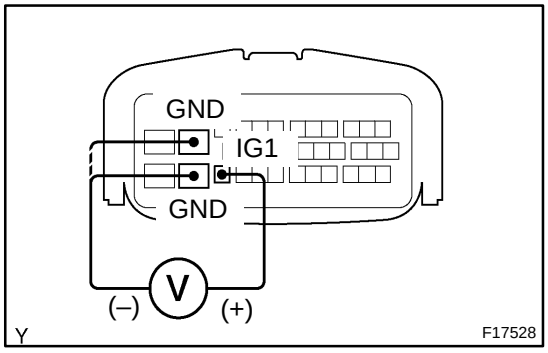
(a) Connect the hand–held tester to the DLC3.
(b) Turn the ignition switch ON and push the hand–held tester main switch ON.
(c) Select the DATA LIST mode on the hand–held tester.

CHECK:

Check the voltage condition output from the ECU displayed on the hand–held tester.

OK:

"Normal" is displayed.



In case of not using hand–held tester:

PREPARATION:

Disconnect skid control ECU connector.

CHECK:

(a) Turn the ignition switch ON.
(b) Measure voltage between terminals IG1 (25) and GND (2, 24) of skid control ECU harness side connector.

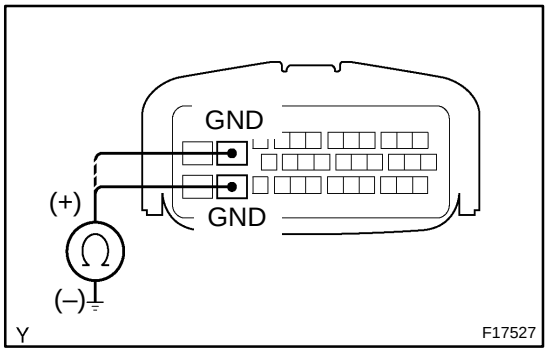
OK:

Voltage: 10 – 14 V

OK → **Check and replace brake actuator ASSY.**

NG

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



CHECK:
Measure resistance between terminals GND (2, 24) of skid control ECU harness side connector and body ground.
OK:
Resistance: 1 Ω or less

NG → **Repair or replace harness or connector.**

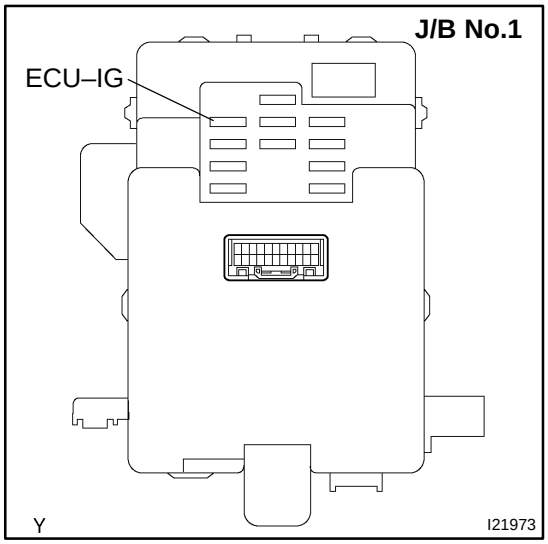
OK

4	Check for open circuit in harness and connector between skid control ECU and battery (See page IN–28).

NG → **Repair or replace harness or connector.**

OK

5	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 and replace brake actuator ASSY.