DI7CU–01

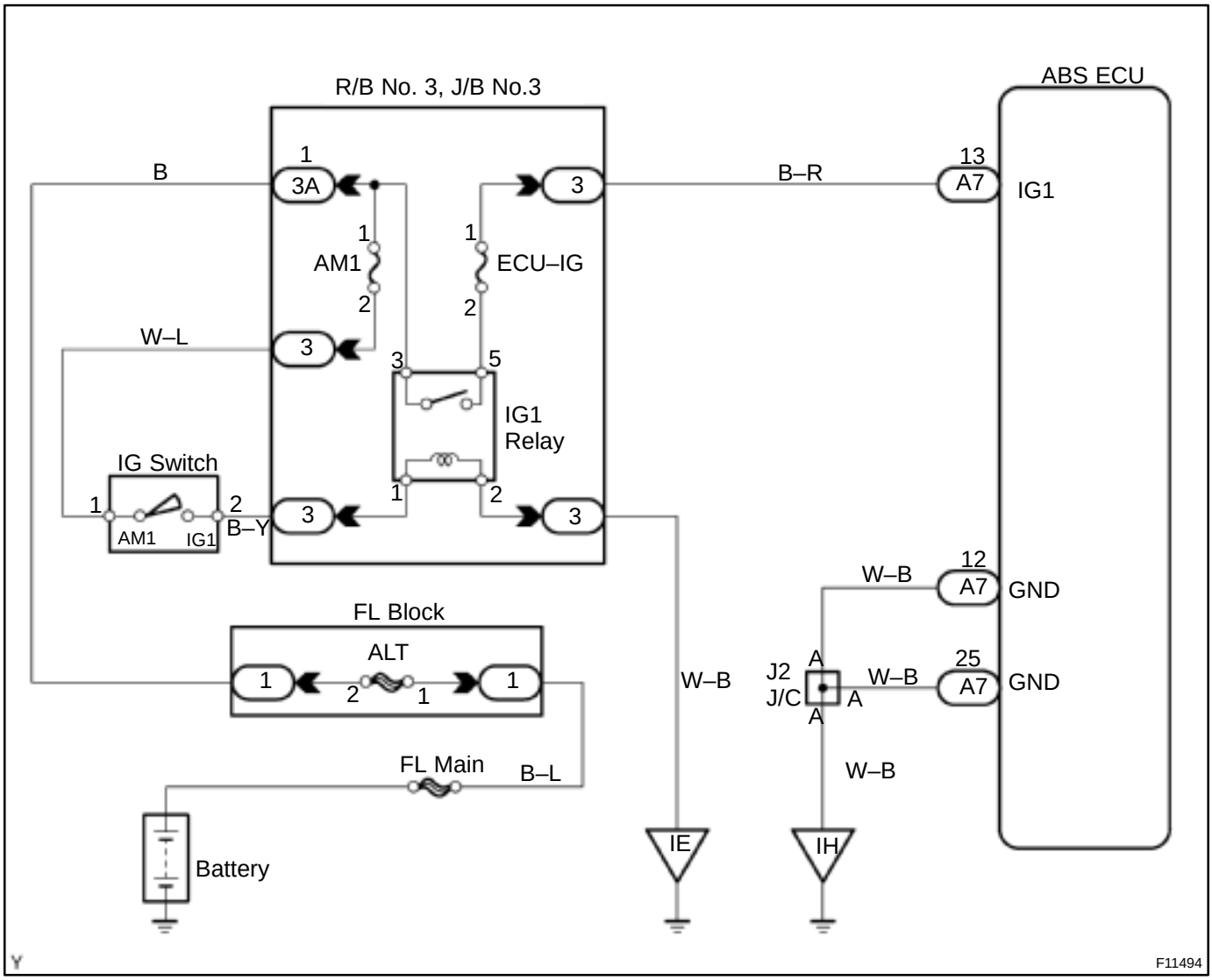
DTC	C1241/41	IG Power Source Circuit

CIRCUIT DESCRIPTION

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

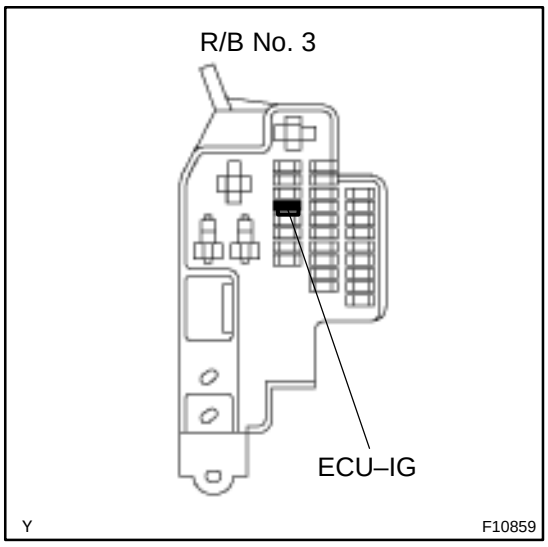
DTC No.	DTC Detection Condition	Trouble Area
C1241/41	Condition 1. or 2. is detected: 1. Vehicle speed is at 3 km/h (1.9 mph) or more and ECU terminal IG1 voltage is 9.5 V or less, which continues for 10 sec. or more. 2. When IG1 terminal voltage is less than 9.5 V, there is open circuit in the motor relay or in the solenoid relay, or the solenoid circuit malfunction.	• Battery • Charging system • Power source circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check ECU–IG fuse.



PREPARATION:
Remove the ECU–IG fuse from the R/B No. 3.
CHECK:
Check the continuity of the ECU–IG fuse.
OK:
Continuity

NG → **Check for short circuit in all harness and components connected to ECU–IG fuse (See attached wiring diagram).**

OK

2	Check battery positive voltage.

OK:
Voltage: 10 – 14 V

NG → **Check and repair charging system (See page CH–2).**

OK

3	**Check voltage of IG1 power source.**

In case of using TOYOTA hand–held tester:

PREPARATION:

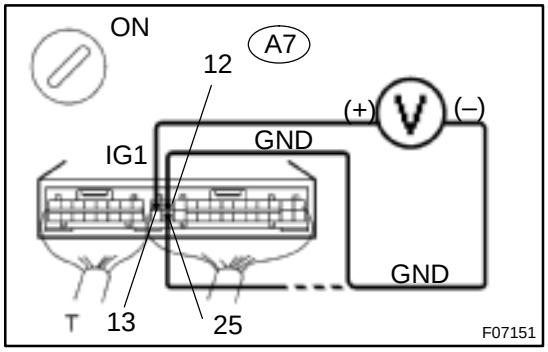
(a) Connect the TOYOTA hand–held tester to the DLC3.
(b) Turn the ignition switch ON and push the TOYOTA hand–held tester main switch ON.
(c) Select the DATALIST mode on the TOYOTA hand–held tester.

CHECK:

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

OK:

"Normal" is displayed.



In case of not using TOYOTA hand–held tester:

PREPARATION:

Remove the ABS ECU with the connectors still connected.

CHECK:

(a) Turn the ignition switch ON.
(b) Measure the voltage between terminals A7–13 and A7–12, 25 of the ABS ECU connector.

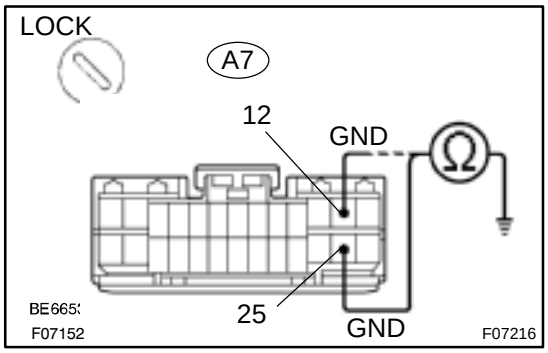
OK:

Voltage: 10 – 14 V

OK	**Check and replace ABS ECU.**

NG

4	**Check continuity between terminals GND (A7–12, 25) of ABS ECU connector and body ground.**



PREPARATION:

Disconnect the connector from the ABS ECU.

CHECK:

Measure the resistance between terminal A7–12, 25 of the ABS ECU harness side connector and body ground.

OK:

Resistance: 1 Ω or less

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

OK

Check for open circuit in harness and connector between ABS ECU and ECU–IG fuse (See page IN–28).