DI6QK–01

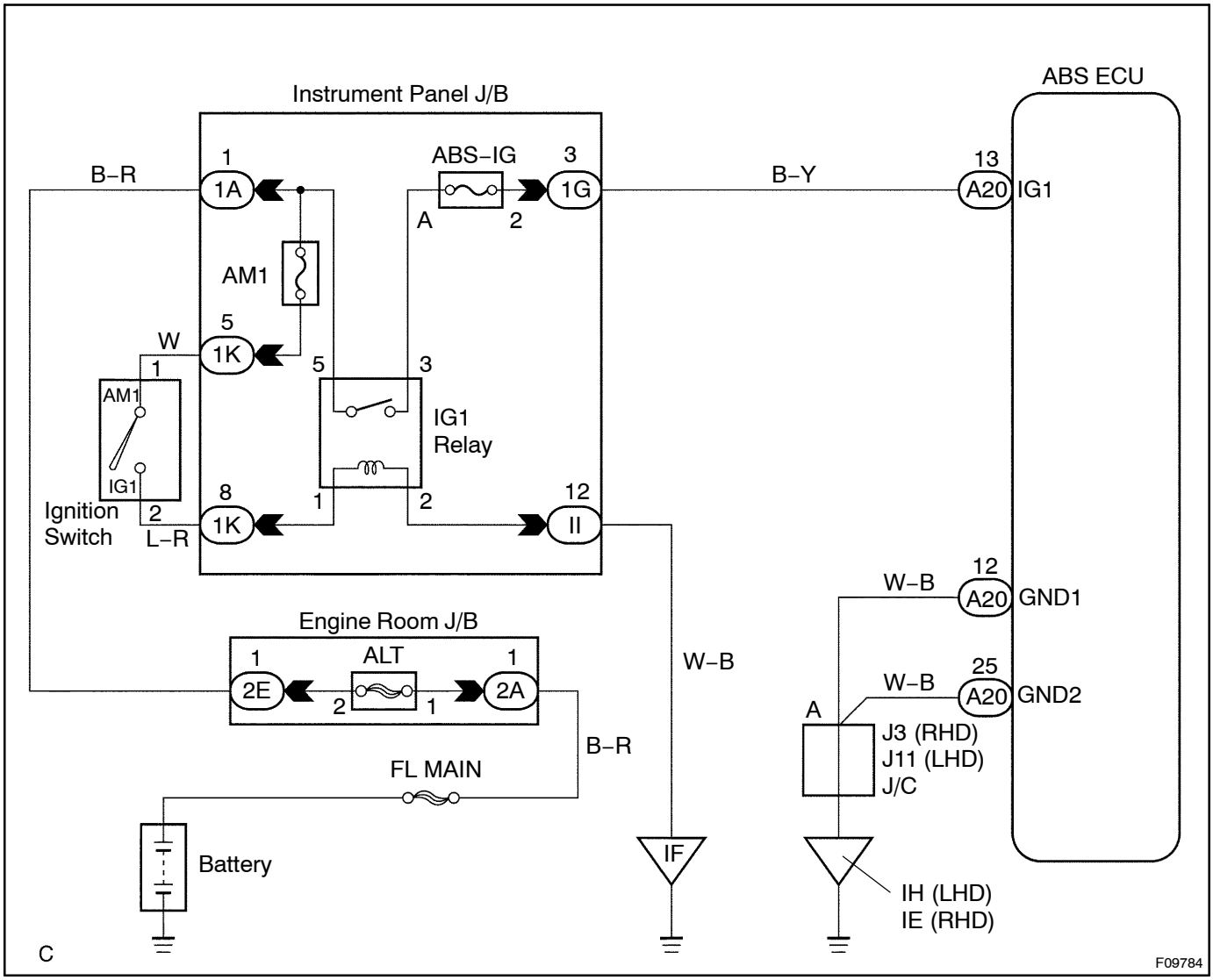
DTC	C1241/41	IG Power Source Circuit

CIRCUIT DESCRIPTION

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

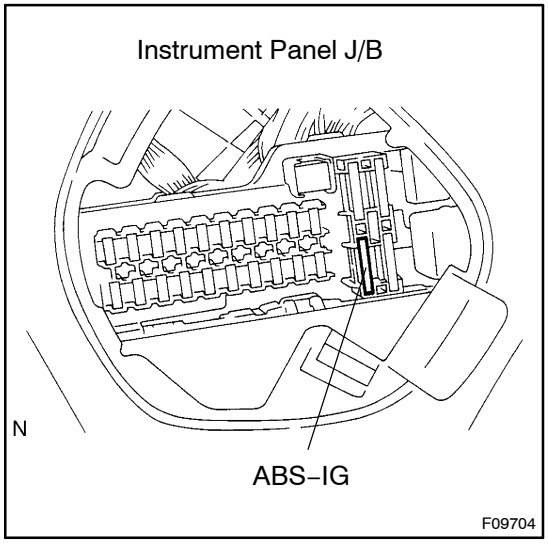
DTC No.	DTC Detecting Condition	Trouble Area
C1241/41	Condition 1. or 2. is detected: 1. Vehicle speed is at 3 km/h (1.9 mph) or more and ECU terminal IG1 voltage is 9.5 V or less , which continues for 10 sec. or more. 2. When IG1 terminal voltage is less than 9.5 V, there is open circuit in the motor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

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check ABS–IG fuse.**



PREPARATION:
Remove ABS–IG fuse from Instrument Panel J/B.
CHECK:
Check continuity of ABS–IG fuse.
OK:
Continuity

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

OK

2	**Check battery voltage.**

OK:
Voltage: 10 – 14 V

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

OK

3	Check voltage of the ABS–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.

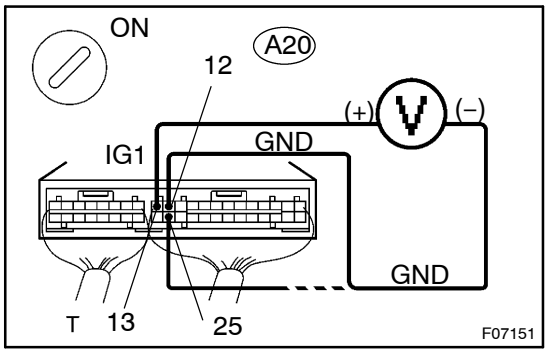
(c) Select the DATALIST mode on the hand–held tester.

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:

Remove ABS ECU with connectors still connected.

CHECK:

(a) Turn the ignition switch ON.

(b) Measure voltage between terminals A20 – 13 and A20 – 12, 25 of ABS ECU connector.

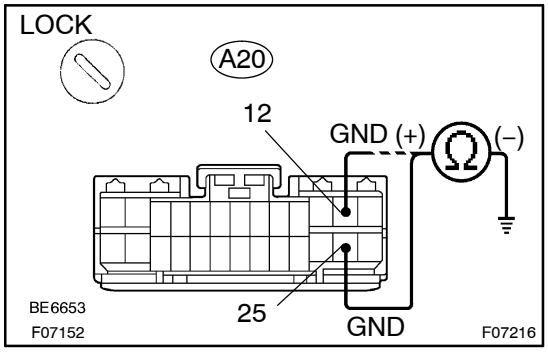
OK:

Voltage: 10 – 14 V

OK	Check and replace ABS ECU.

NG

4	Check continuity between terminals GND (A20 – 12, 25) of ABS ECU connector and body ground.



PREPARATION:

Disconnect the connector from the ABS ECU.

CHECK:

Measure resistance between terminal A20 – 12, 25 of 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–30).