

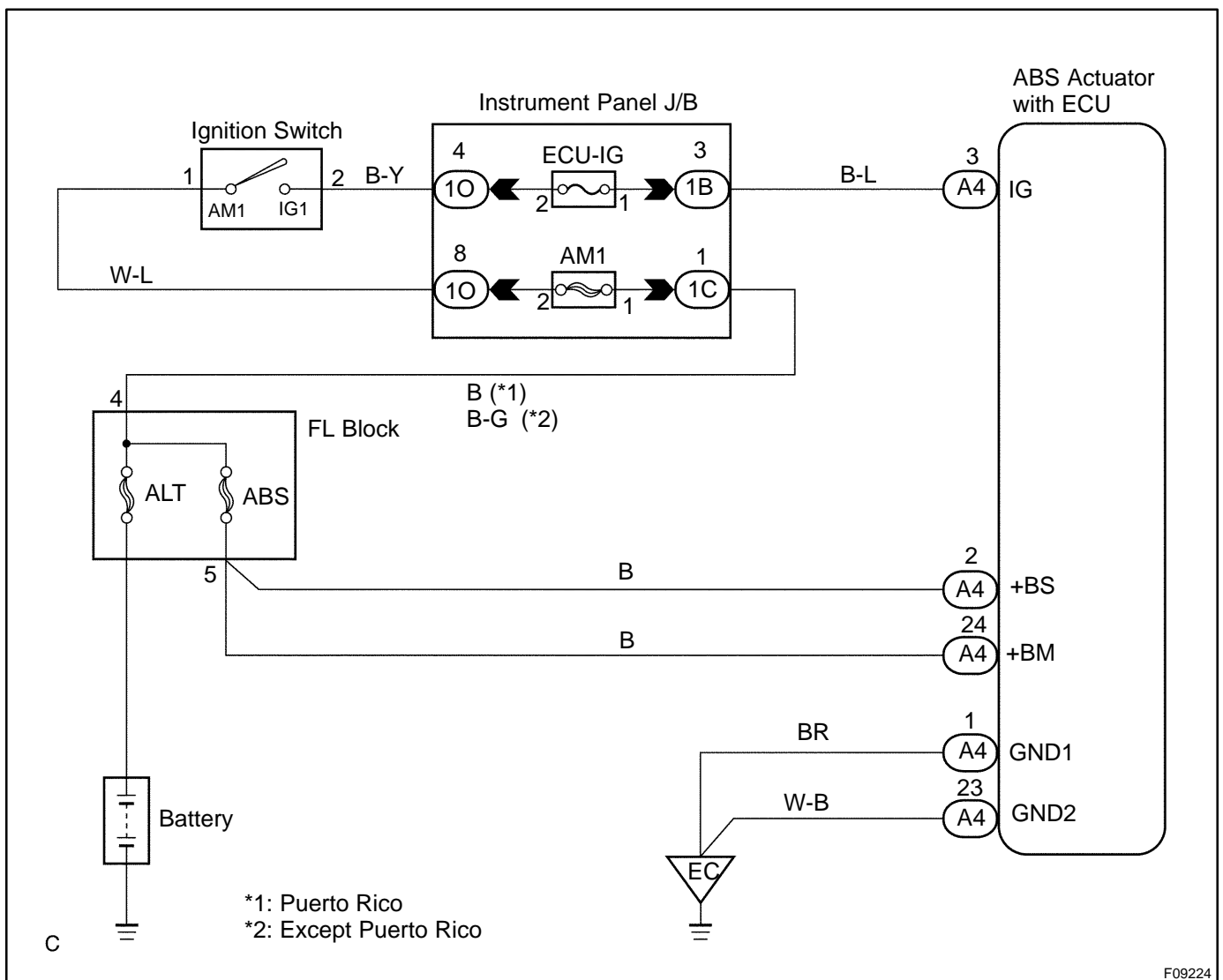
DTC	C1241 / 41	IG Power Source Circuit
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CIRCUIT DESCRIPTION

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

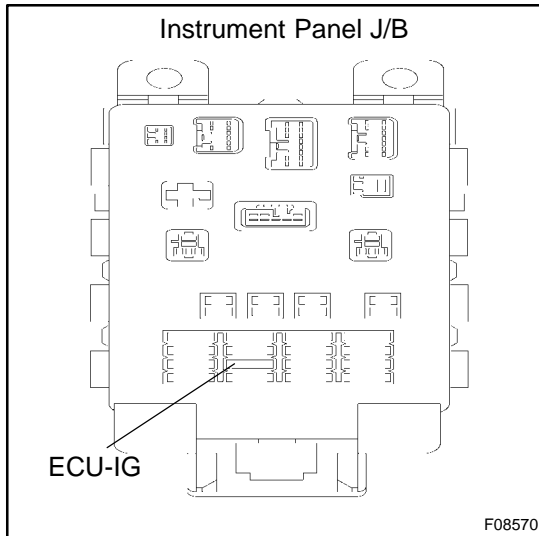
DTC No.	DTC Detecting Condition	Trouble Area
C1241 / 41	Detection of any of conditions from 1. through 3. 1. With vehicle speed at 3 km/h or more, IG1 or +BS terminal voltage is 8.5 V or below for 10 sec. or longer. 2. With IG1 terminal voltage at 8.5 V or below, ABS solenoid relay open, ABS motor relay open, solenoid fault detecting condition are established. 3. +BS terminal voltage is 19 V or above for 1 sec. or longer	<ul style="list-style-type: none"> • Battery • Charging system • Power source circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Check ECU-IG fuse.
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PREPARATION:

Remove ECU-IG fuse from Instrument Panel J/B.

CHECK:

Check continuity of ECU-IG fuse.

OK:

Continuity

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Check for short circuit in all the harness and components connected to ECU-IG fuse (See attached wiring diagram).

OK

2	Check battery positive voltage.
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OK:

Voltage: 10 - 14 V

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Check and repair the charging system (See page [IN-29](#)).

OK

3	Check voltage of the ECU IG power source.
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In case of using the 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.

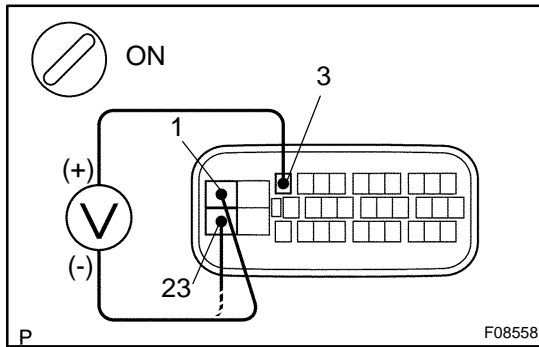
CHECK:

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

OK:

"Normal" is displayed.

In case of not using the TOYOTA hand-held tester:

**PREPARATION:**

Disconnect ABS ECU connector.

CHECK:

- (a) Turn the ignition switch ON.
- (b) Measure voltage between terminals 3 and 1, 23 of ABS ECU harness side connector.

OK:

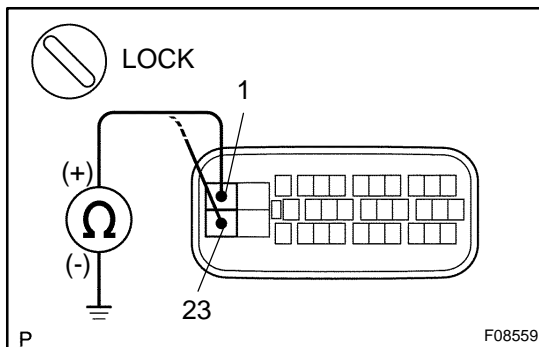
Voltage: 10 - 14 V

OK

Check or replace ABS actuator assembly.

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4 Check continuity between terminals GND (1, 23) of ABS ECU connector and body ground.

**CHECK:**

Measure resistance between terminals 1 and 23 of ABS ECU harness side connector and body ground.

OK:

Resistance: 1 Ω or less

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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-29](#)).