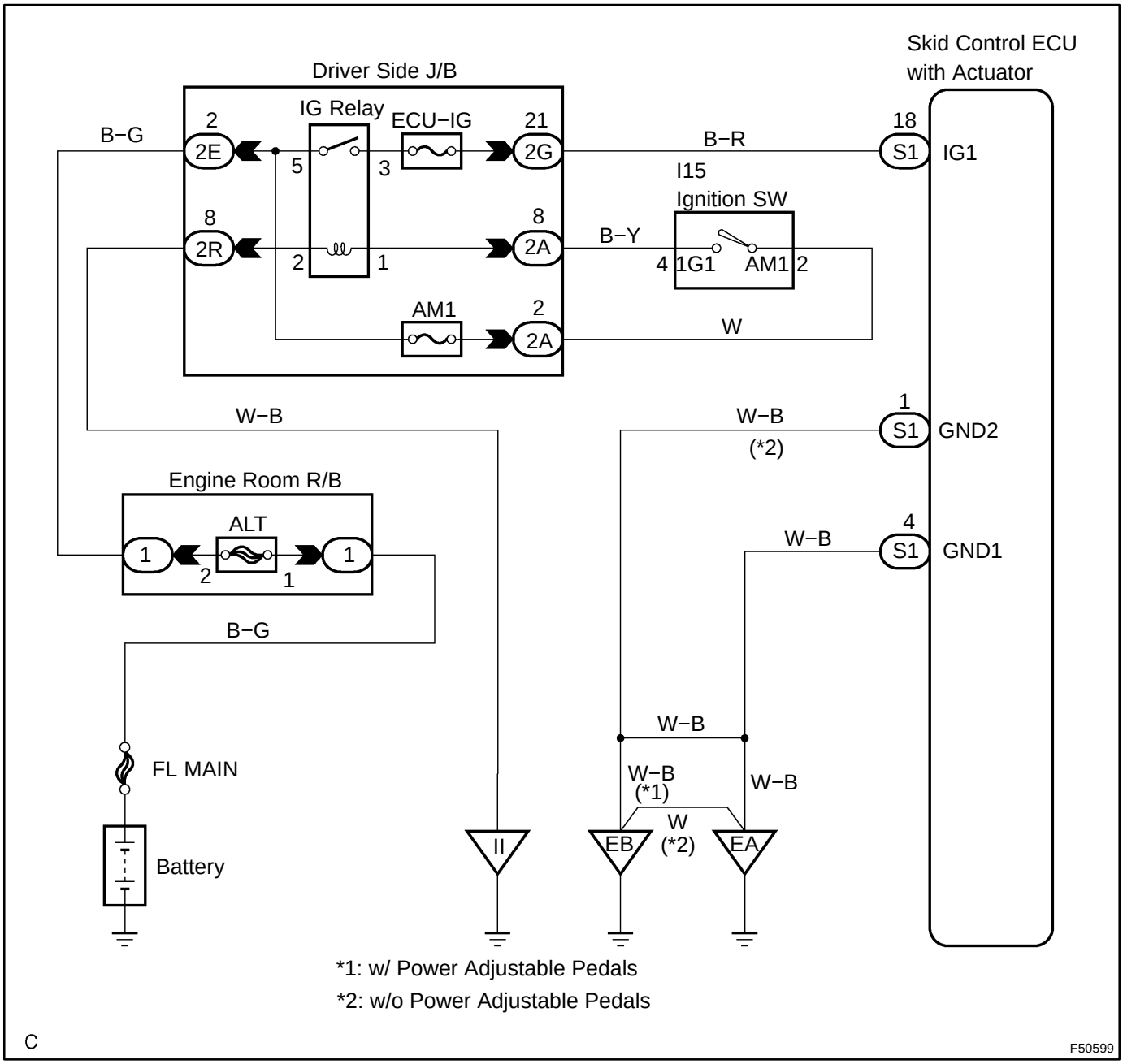
DTC C1241/41 LOW BATTERY POSITIVE VOLTAGE

CIRCUIT DESCRIPTION

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

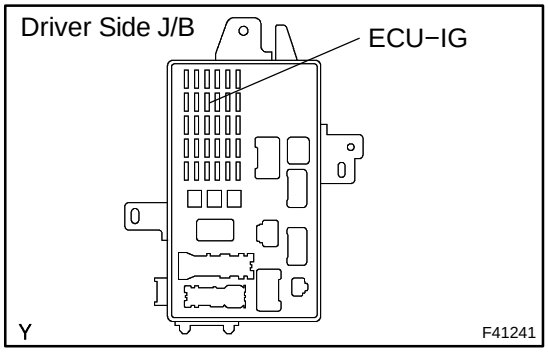
DTC No.	DTC Detecting Condition	Trouble Area
C1241/41	With vehicle speed to about 4 mph (6 km/h), battery voltage is less than 9.4 V at the time of non−operation of ABS control or less than 9.2 V at the time of operation of ABS control.	• Battery • Charging system • Power source circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT FUSE(ECU−IG FUSE)



(a) Remove the ECU−IG fuse from the driver side J/B.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
ECU−IG fuse	1 Ω or less (Continuity)

NG → **CHECK FOR SHORT IN ALL HARNESS AND CONNECTOR CONNECTED TO FUSE AND REPLACE FUSE**

OK

2 INSPECT BATTERY

(a) Check the positive battery voltage.

Standard:

Tester Connection	Specified Condition
Battery terminal (⊕ − ⊖)	11 to 14 V

NG → **INSPECT CHARGING SYSTEM (See page 19−14 (2AZ−FE) OR 19−39 (1MZ−FE))**

OK

3 INSPECT SKID CONTROL ECU CONNECTOR(IG1 TERMINAL VOLTAGE)

WHEN USING HAND−HELD TESTER:

(a) Connect the hand−held tester to the DLC3.

(b) Start the engine.

(c) Select the DATA LIST mode on the hand−held tester.

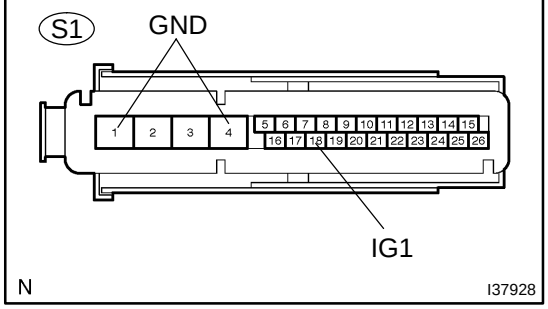
Item	Measurement Item / Range (Display)	Normal Condition
IG VOLTAGE	ECU power supply voltage / NORMAL or TOO LOW	NORMAL: 9.8 V or over TOO LOW: Below 9.8 V

(d) Read the voltage condition output from the ECU displayed on the hand−held tester.

Standard:

"Normal" is displayed.

Skid Control ECU Connector Front View



WHEN NOT USING HAND−HELD TESTER:

(a) Disconnect the skid control ECU connector.

(b) Turn the ignition switch to the ON position.

(c) Measure the voltage according to the value(s) in the table below.

Standard:

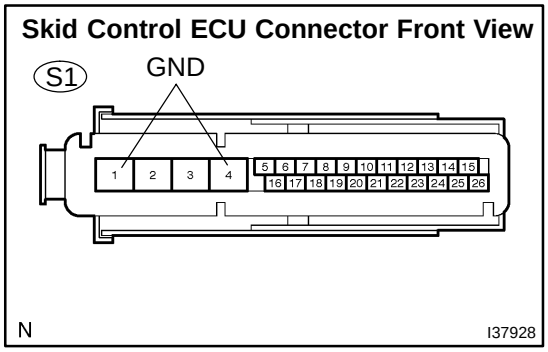
Tester Connection	Specified Condition
S1−18 (IG1) − S1−4 (GND1)	10 to 14 V
S1−18 (IG1) − S1−1 (GND2)	10 to 14 V

OK → **REPLACE BRAKE ACTUATOR ASSY (See page 32−58)**

NG

4 INSPECT SKID CONTROL ECU CONNECTOR(GND TERMINAL CONTINUITY)

Skid Control ECU Connector Front View



(a) Disconnect the skid control ECU connector.

(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S1−4 (GND1) − Body ground	1 Ω or less
S1−1 (GND2) − Body ground	1 Ω or less

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (SKID CONTROL ECU − BODY GROUND)**

OK

CHECK AND REPAIR HARNESS OR CONNECTOR (SKID CONTROL ECU − BATTERY)