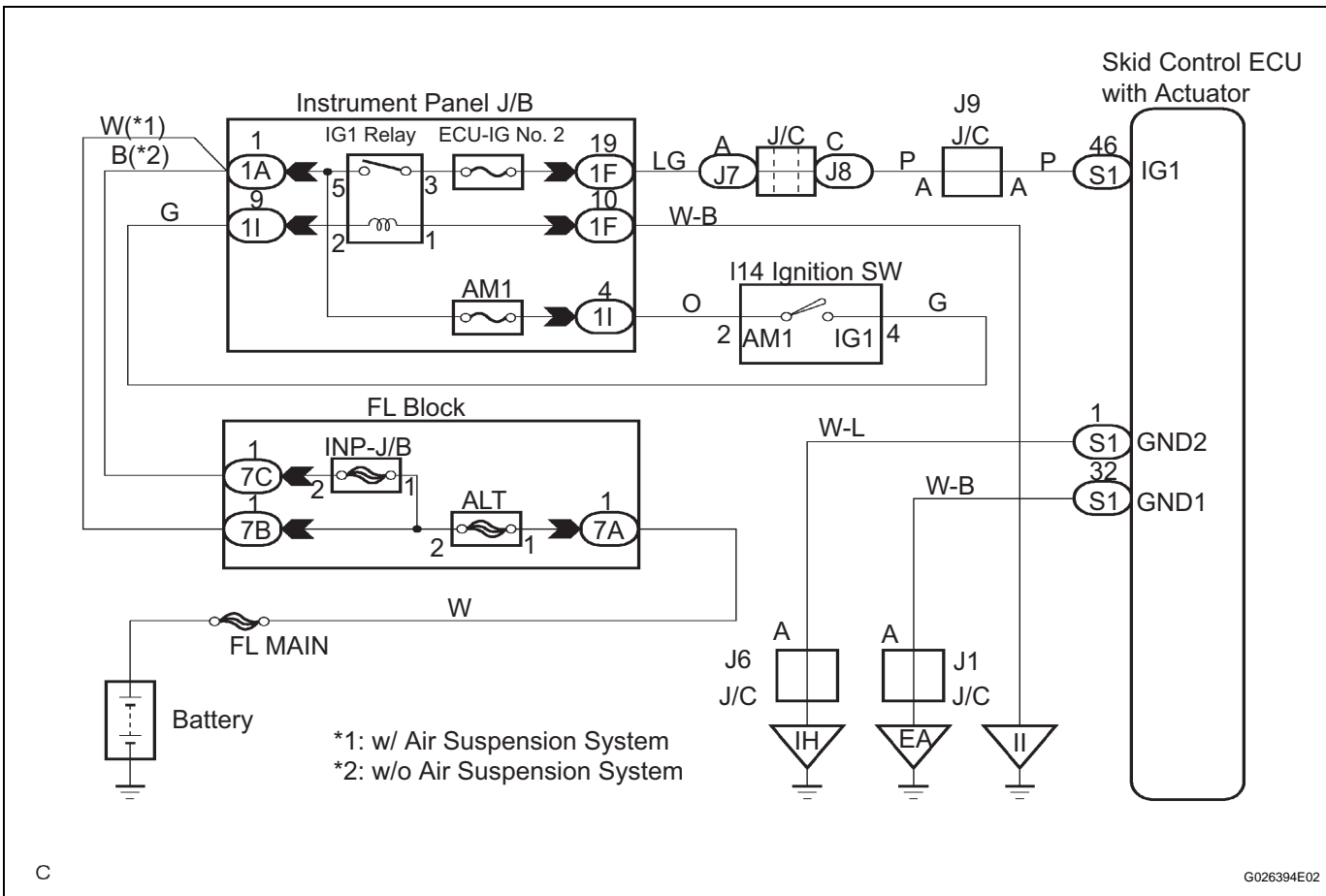


DTC	C1241/41	Low Battery Positive Voltage
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DESCRIPTION

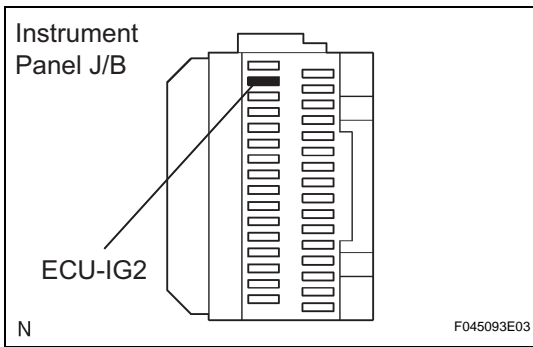
DTC No.	DTC Detection Condition	Trouble Area
C1241/41	When any of the following (1 to 2) is detected: 1. All the following conditions continue for at least 10 seconds. – Vehicle speed is more than 3 km/h (2 mph). – IG1 terminal voltage is less than 9.5 V. 2. All the following conditions continue for at least 0.2 seconds. – Solenoid relay remains ON. – IG1 terminal voltage is less than 9.5 V. – Relay contact is open.	<ul style="list-style-type: none"> • Battery • Charging system • Power source circuit

WIRING DIAGRAM



1	INSPECT ECU-IG FUSE
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(a) Remove the ECU-IG fuse from the instrument panel J/B.



(b) Check continuity of the ECU-IG fuse.

Resistance

Item	Specified condition
ECU-IG 2 Fuse	Below 1 Ω (Continuity)

NG → **REPLACE ECU-IG FUSE**

OK

2 INSPECT BATTERY

(a) Check the positive battery voltage.

Voltage:
11 to 14 V

NG → **INSPECT CHARGING SYSTEM**

OK

3 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE (IG1 TERMINAL)

(a) WHEN USING INTELLIGENT TESTER:

- (1) Connect the intelligent tester to the DLC3.
- (2) Start the engine.
- (3) Select the DATA LIST mode on the intelligent tester.
- (4) Measure the voltage condition output from the ECU displayed on the intelligent tester.

Item	Measurement Item / Range (Display)	Normal Condition
IG VOLTAGE	ECU power supply voltage / UNDER / NORMAL	NORMAL: 9.5 V or over UNDER: Below 9.5 V

OK:

"Normal" is displayed.

(b) WHEN NOT USING INTELLIGENT TESTER:

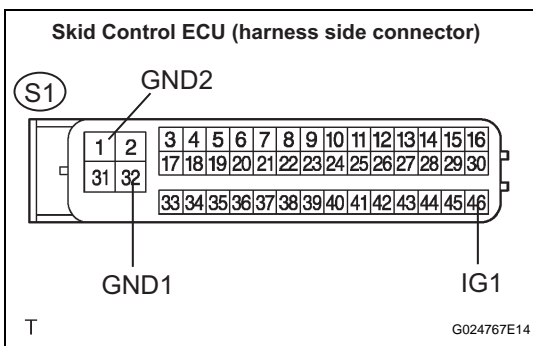
- (1) Disconnect the skid control ECU connector S1.
- (2) Turn the ignition switch to the ON position.
- (3) Measure the voltage according to the value(s) in the table below.

Voltage

Tester Connection	Specified Condition
S1-46 (IG1) - S1-32 (GND1)	10 to 14 V
S1-46 (IG1) - S1-1 (GND2)	10 to 14 V

NOTICE:

When replacing the ABS actuator assembly, perform zero point calibration (See page BC-5).

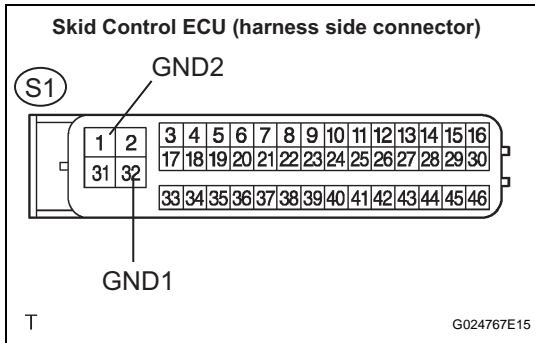


NG → **Go to step 4**

OK

REPLACE ABS AND TRACTION ACTUATOR

4 INSPECT SKID CONTROL ECU CONNECTOR (GND TERMINAL CONTINUITY)



- (a) Disconnect the skid control ECU connector S1.
- (b) Measure the resistance according to the value(s) in the table below.

Resistance

Tester Connection	Specified Condition
S1-32 (GND1) - Body ground	Below 1 Ω
S1-1 (GND2) - Body ground	Below 1 Ω

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR (GND TERMINAL - BODY GROUND)

OK

CHECK HARNESS AND CONNECTOR