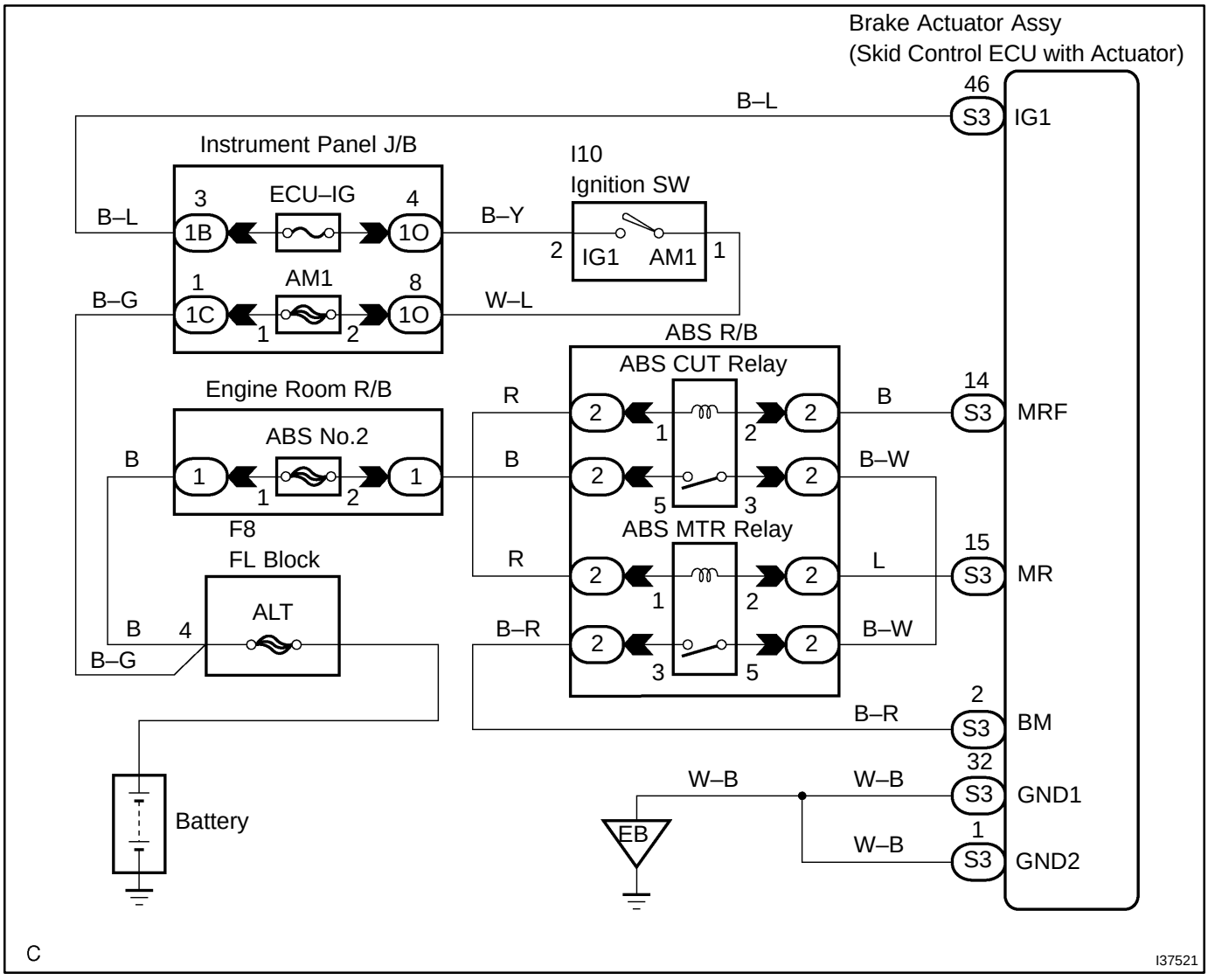
DTC C1241/41 LOW BATTERY POSITIVE VOLTAGE

CIRCUIT DESCRIPTION

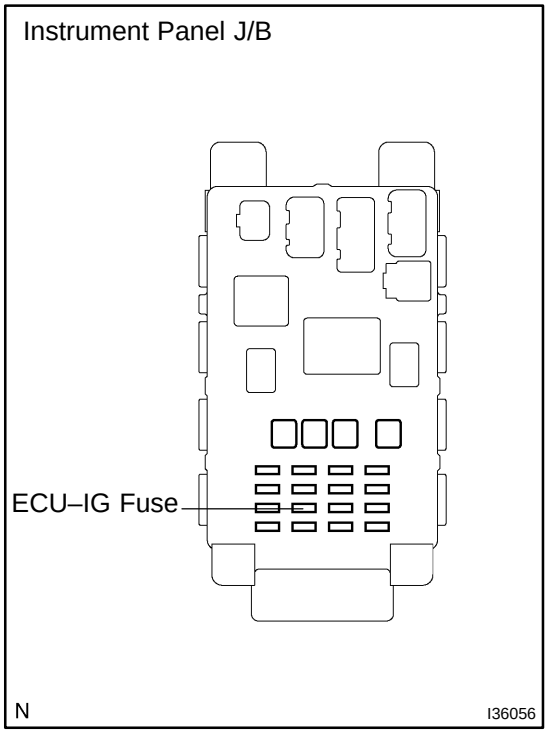
DTC No.	DTC Detecting Condition	Trouble Area
C1241/41	• With vehicle speed at 3 km/h (2 mph) or more, IG1 terminal voltage is 9.5 V or less for 10 sec. or more.	• Battery • Charging system • Power source circuit

WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT FUSE(ECU–IG FUSE)



(a) Remove ECU–IG fuse from the instrument panel 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

NG → **INSPECT FOR SHORT CIRCUIT IN ALL HARNESS AND COMPONENTS CONNECTED TO ECU–IG FUSE**

OK

2 INSPECT BATTERY

(a) Check battery positive voltage.

Standard:

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

NG → **CHECK AND REPLACE CHARGING SYSTEM**

OK

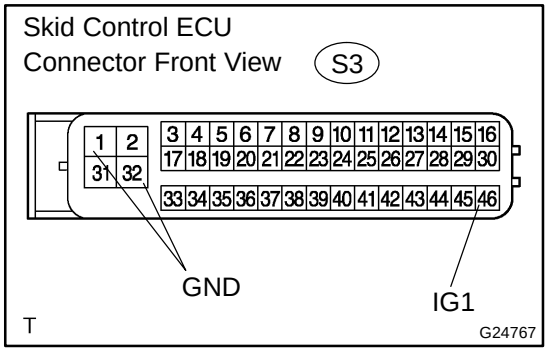
3 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(IG1 TERMINAL)

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.
(d) Check the voltage condition output from the ECU displayed on the hand–held tester.

Item	Measurement Item / Range (Display	Normal Condition	Diagnostic Note
IG VOLTAGE	ECU power supply voltage/NORMAL or TOOL LOW	NORMAL: 9.5 V or over TOO LOW: Below 9.5 V	–

Standard:
"NORMAL" is displayed.



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
IG1 (S3–46) – GND (S3–1, 32)	10 to 14 V

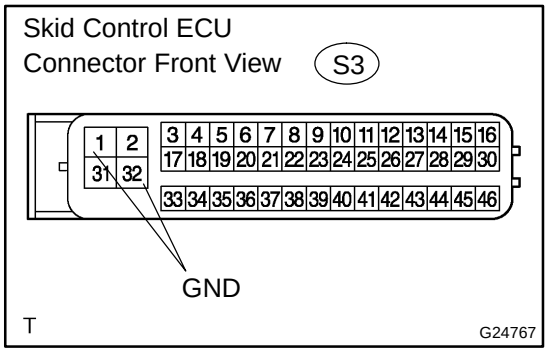
NG → **Go to step 4**

OK

REPLACE BRAKE ACTUATOR ASSY (See page 32–39)

NOTICE:
When replacing the brake actuator assy, perform the zero point calibration (See page 05–279).

4 INSPECT SKID CONTROL ECU CONNECTOR(GND TERMINAL CONTINUITY)



(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
GND (S3–1, 32) – Body ground	1 Ω or less

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

CHECK AND REPAIR HARNESS AND CONNECTOR