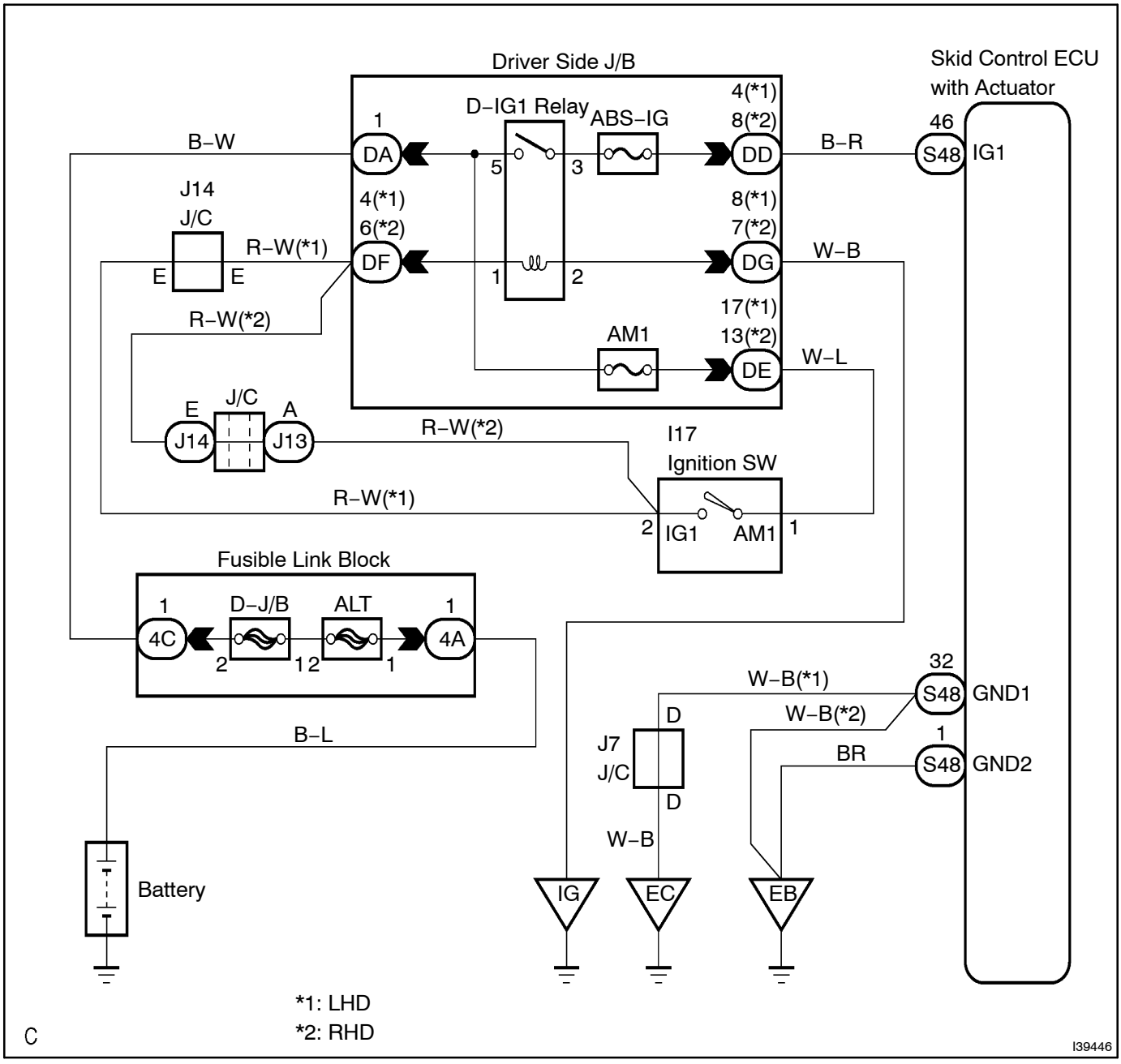
DTC C1241/41 LOW BATTERY POSITIVE VOLTAGE

CIRCUIT DESCRIPTION

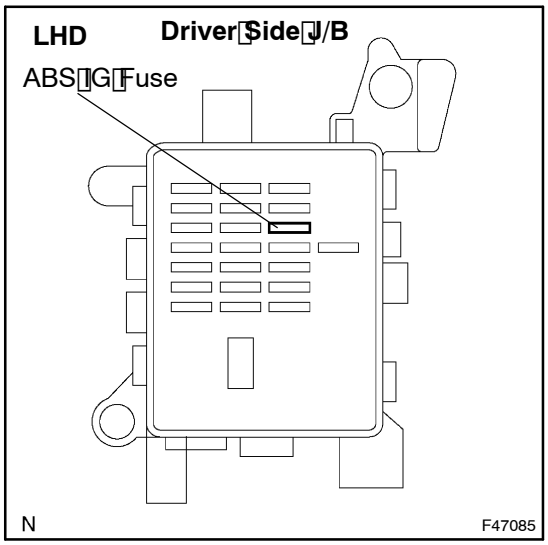
DTC No.	DTC Detecting Condition	Trouble Area
C1241/41	When any of the following (1 to 2) is detected: (1) All of the following conditions continue for at least 10 seconds. • Vehicle speed is more than 3 km/h (2 mph). • IG1 terminal voltage is less than 9.5 V. (2) All of the following conditions continue for at least 0.2 seconds. • Solenoid relay remains ON. • IG1 terminal voltage is less than 9.5 V. • Relay contact is open.	• Battery • Charging system • Power source circuit

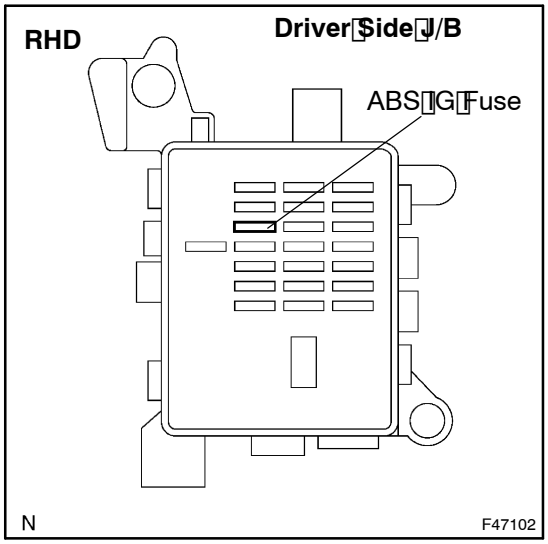
WIRING DIAGRAM



INSPECTION PROCEDURE

1 INSPECT FUSE(ABS–IG FUSE)





(a) Remove the ABS–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
ABS–IG fuse	Below 1 Ω (Continuity)

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

OK

2 INSPECT BATTERY

(a) Check the battery voltage.

Standard:

Voltage: 10 to 14 V

NG → **INSPECT CHARGING SYSTEM (SEE PAGE 19–23)**

OK

3	INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(IG1 TERMINAL)

(a) Connect the intelligent tester II to the DLC3.
(b) Start the engine.
(c) Select the DATA LIST mode on the intelligent tester II.

Item	Measurement Item / Range (Display)	Normal Condition
ECU IG Power Voltage	ECU power supply voltage / UNDER / NORMAL / OVER	OVER: 14 V or over NORMAL: 9.5 V to 14 V UNDER: Below 9.5 V

(d) Read the voltage condition output from the ECU displayed on the intelligent tester II.
OK:
"Normal" is displayed.

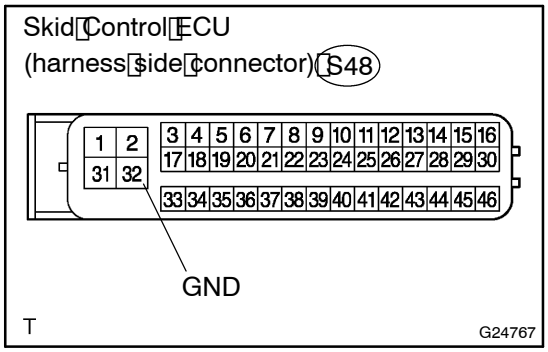
NG → **Go to step 4**

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32–53)

NOTICE:
When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05–387).

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
S48–32 (GND) – Body ground	Below 1 Ω

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR (GND TERMINAL – BODY GROUND)**

OK

CHECK AND REPAIR HARNESS AND CONNECTOR(IG1 TERMINAL – BATTERY)