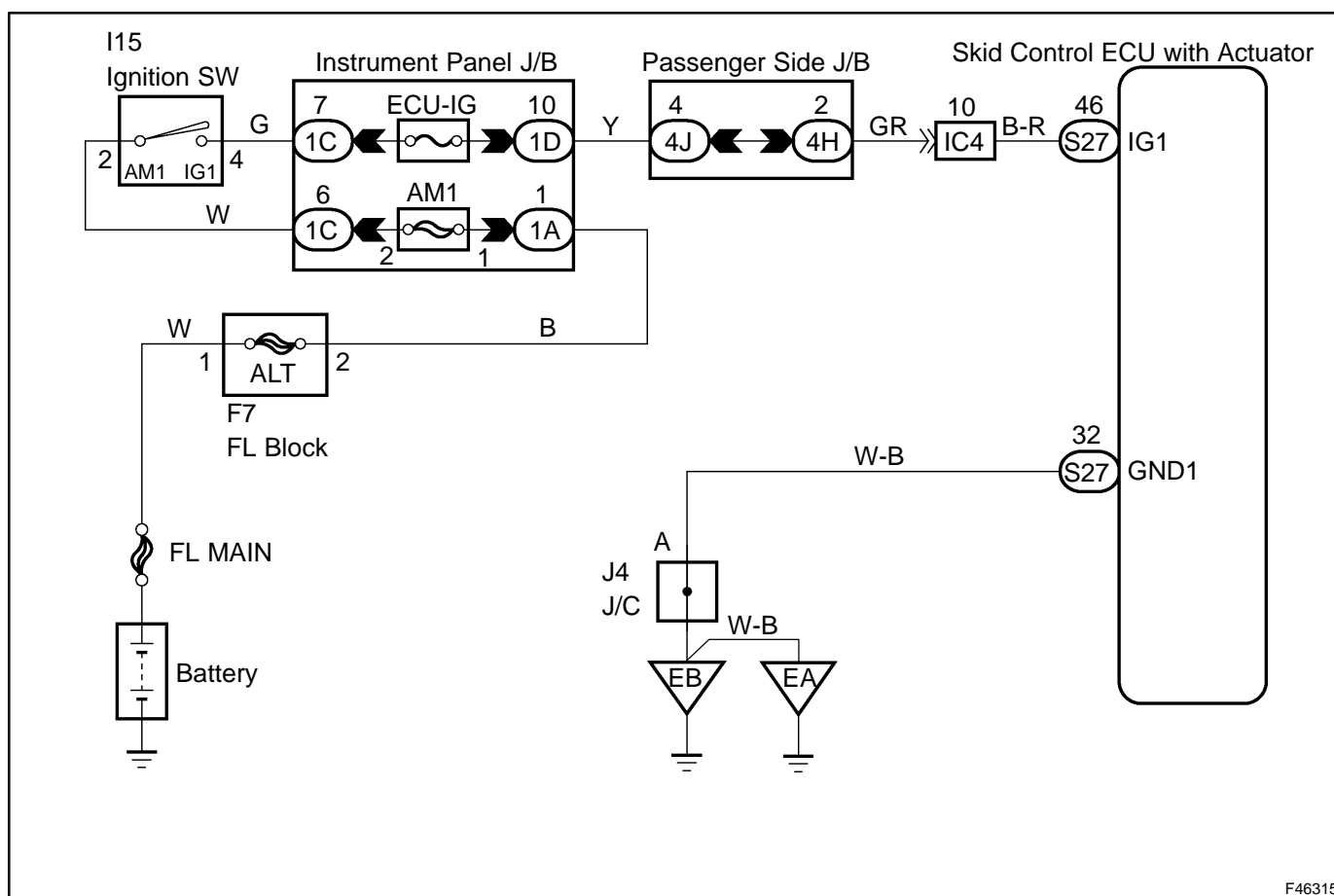


DTC	C1241/41	LOW BATTERY POSITIVE VOLTAGE
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CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
C1241/41	<p>When any of the following (1 to 2) is detected:</p> <p>(1) Any of the following conditions continues for at least 10 seconds.</p> <ul style="list-style-type: none"> • Vehicle speed is more than 2 mph (3 km/h). • IG1 terminal voltage is less than 9.5 V. <p>(2) Any of the following conditions continues for at least 0.2 seconds.</p> <ul style="list-style-type: none"> • 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

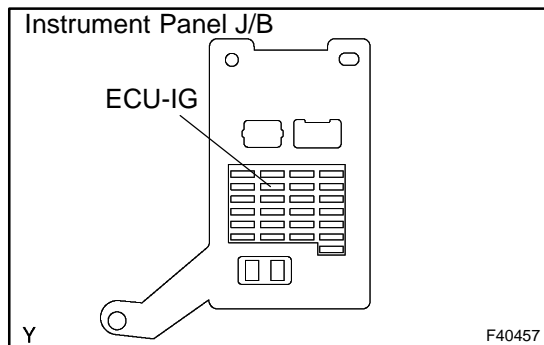
WIRING DIAGRAM



F46315

INSPECTION PROCEDURE

1 INSPECT FUSE(ECU-IG FUSE)



- (a) Remove ECU-IG fuse from the instrument panel J/B.
- (b) Check continuity of ECU-IG fuse.

Standard:

ECU-IG Fuse	Below 1 Ω (Continuity)
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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:

Tester Connection	Specified Condition
Battery terminal ((+) - (-))	11 to 14 V

NG**INSPECT CHARGING SYSTEM (SEE PAGE [19-12](#) (2AZ-FE) OR [19-36](#) (3MZ-FE))****OK**

3 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE(IG1 TERMINAL)

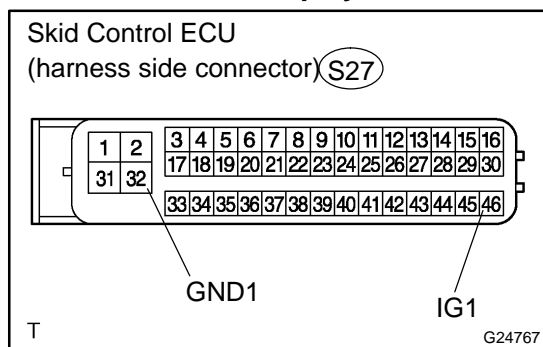
WHEN USING HAND-HELD TESTER:

- Connect the hand-held tester to the DLC3.
- Start the engine.
- Select the DATA LIST mode on the hand-held tester.
- Read the voltage condition output from the ECU displayed on the hand-held tester.

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

OK:

"Normal" is displayed.



WHEN NOT USING HAND-HELD TESTER:

- Disconnect the skid control ECU connector S27.
- Turn the ignition switch to the ON position.
- Measure the voltage according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S27-46 (IG1) - S27-32 (GND1)	10 to 14 V

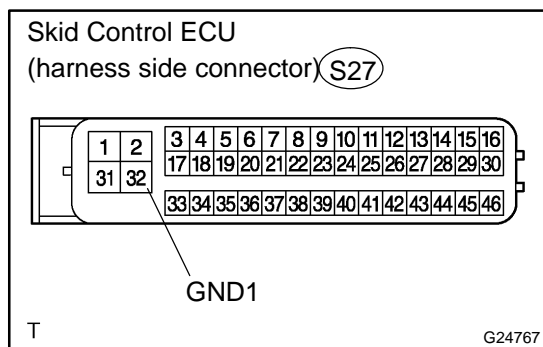
NG

Go to step 4

OK

REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-37)

4 INSPECT SKID CONTROL ECU CONNECTOR(GND TERMINAL CONTINUITY)



- Disconnect the skid control ECU connector S27.
- Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
S27-32 (GND1) - 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)