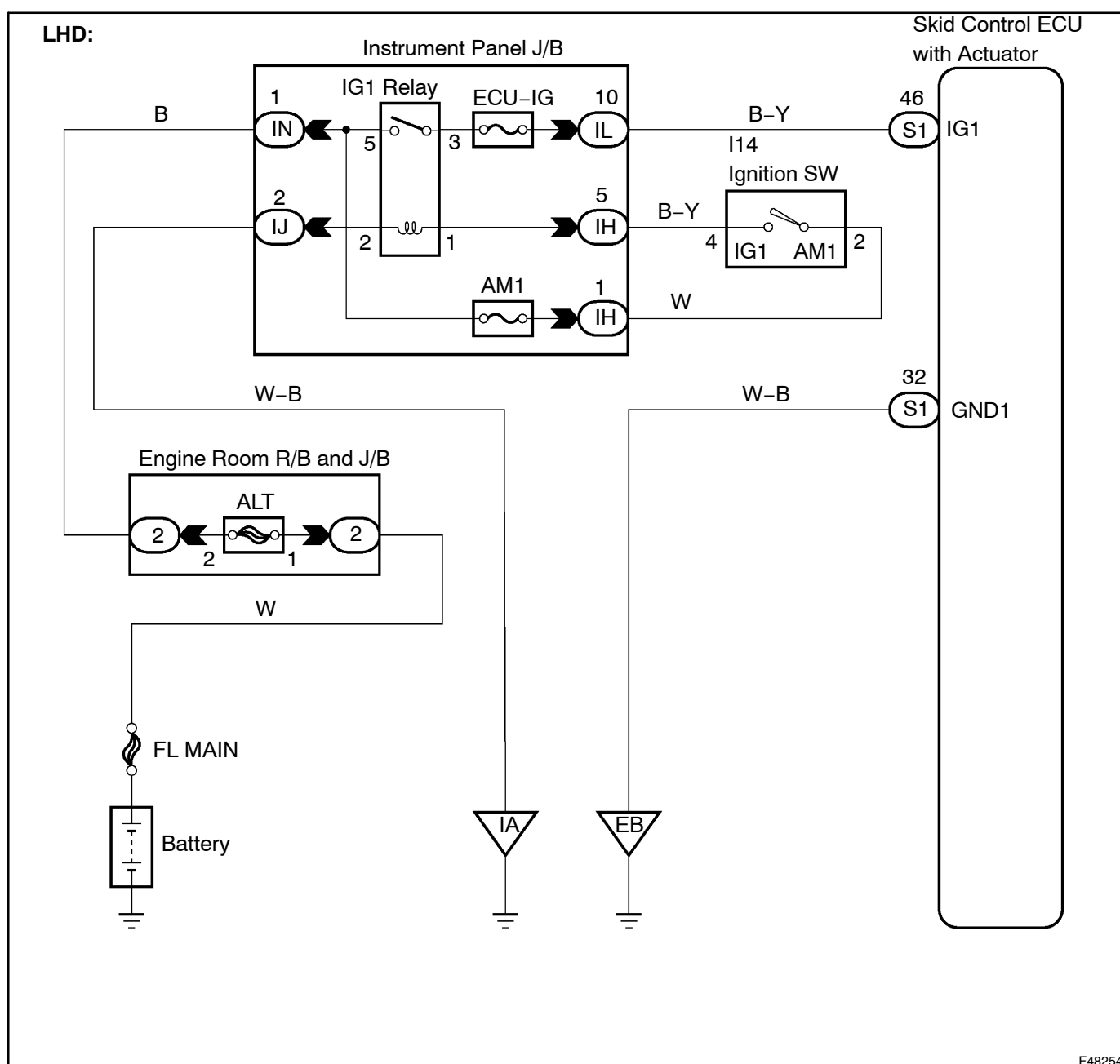


**DTC****C1241/41****LOW BATTERY POSITIVE VOLTAGE****CIRCUIT DESCRIPTION**

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

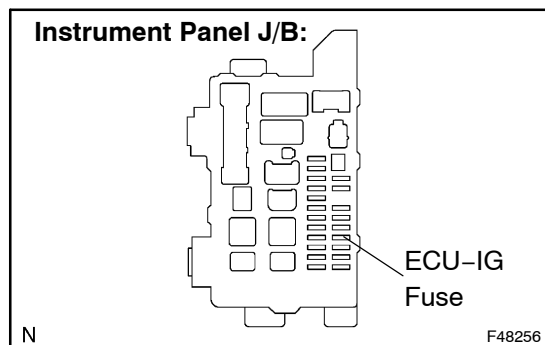
**WIRING DIAGRAM**

F48254



## INSPECTION PROCEDURE

### 1 INSPECT FUSE(ECU-IG FUSE)



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

**Standard:**

ECU-IG Fuse	Below 1 $\Omega$ (Continuity)
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**NG**

**INSPECT FOR SHORT CIRCUIT IN ALL HARNESS AND COMPONENTS CONNECTED TO ECU-IG FUSE AND REPLACE FUSE**

**OK**

### 2 INSPECT BATTERY

- (a) Check the battery voltage.

**Standard:**

**Voltage: 11 to 14 V**

**NG**

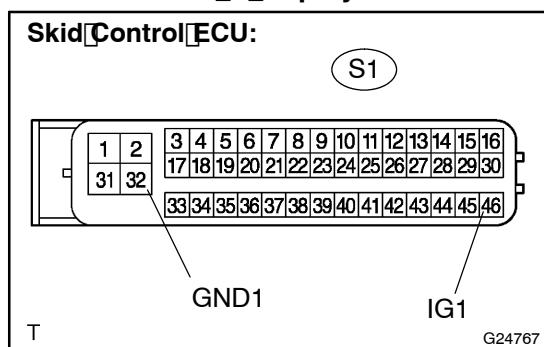
**INSPECT CHARGING SYSTEM**

**OK**

**3 INSPECT SKID CONTROL ECU TERMINAL VOLTAGE (IG1 TERMINAL)****WHEN USING INTELLIGENT TESTER:**

- Connect the intelligent tester to the DLC3.
- Start the engine.
- Select the DATA LIST mode on the intelligent tester.
- 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: 9.5V or over UNDER: Below 9.5V

**OK:****"Normal" is displayed.****WHEN NOT USING INTELLIGENT TESTER:**

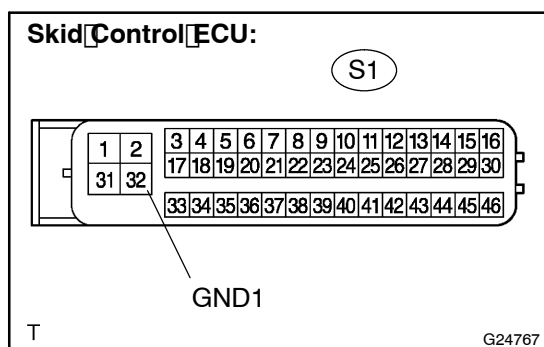
- Disconnect the skid control ECU S1 connector.
- Turn the ignition switch to the ON position.
- Measure the voltage according to the value(s) in the table below.

**Standard:**

Tester Connection	Specified Condition
S1-46 (IG1) - S1-32 (GND1)	10 to 4V

**NG****Go to step 4****OK****REPLACE ABS & TRACTION ACTUATOR ASSY (SEE PAGE 32-20)****NOTICE:**

When replacing the ABS & TRACTION actuator assy, perform zero point calibration (see page 05-610).

**4 INSPECT SKID CONTROL ECU CONNECTOR (GND TERMINAL CONTINUITY)**

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

**Standard:**

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

**NG****REPAIR OR REPLACE HARNESS OR CONNECTOR****OK****CHECK AND REPAIR HARNESS AND CONNECTOR (IG1 TERMINAL - BATTERY)**