

<b>DTC</b>	<b>C1774/74</b>	<b>POWER SOURCE CIRCUIT</b>
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## CIRCUIT DESCRIPTION

When turning the ignition switch to ON, the battery positive voltage is input to B and IG terminals of the suspension control ECU. When turning the ignition switch to OFF, the battery positive voltage supplied to B and IG terminals stops, and the power is turned OFF.

DTC No.	DTC Detecting Condition	Trouble Area
C1774/74	The terminal B or IG voltage is detected being below or above a constant voltage for 0.5 seconds.	<ul style="list-style-type: none"><li>• Battery</li><li>• Power source circuit</li><li>• Suspension control ECU</li></ul>

The diagram illustrates the installation of the Suspension Control ECU. Key components and labels include:

- Ignition SW**: Ignition switch.
- Driver Side J/B**: Driver side junction box.
- Suspension Control ECU**: The main control unit.
- ECU-IG**: ECU-IG (Engine Control Unit - Ignition).
- Engine Room R/B**: Engine room relay box.
- AIR SUS No. 2**: Air suspension system.
- AIR SUS**: Air suspension system.
- W-L**: W-L (Wiring harness).
- AM1**: AM1 (Air Management 1).
- ALT**: ALT (Alternator).
- B**: Battery.
- J/C**: Junction box.
- W-B**: W-B (Wiring harness).
- S15 GND**: Ground terminal S15.
- S14 GND**: Ground terminal S14.
- EB**: ECU Box.

The diagram shows the ECU being connected to the battery and the suspension control system. Arrows indicate the flow of wiring and the connection points.

## INSPECTION PROCEDURE

### 1 INSPECT SOURCE VOLTAGE

- (a) Check the battery positive voltage.

**Standard:**

10 - 14 V

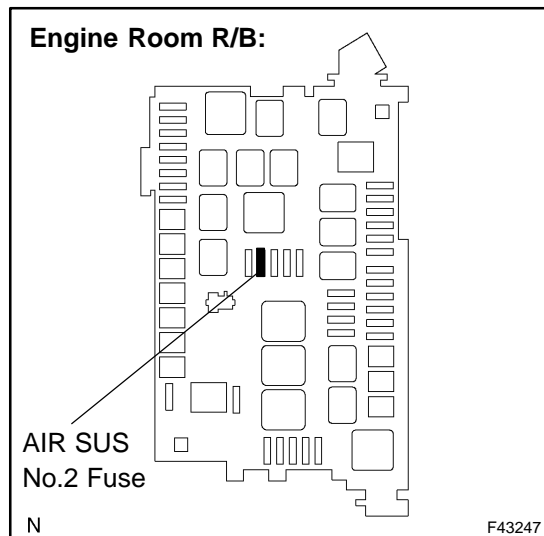
NG

REPLACE BATTERY

OK

### 2 INSPECT FUSE(AIR SUS NO.2)

Engine Room R/B:



- (a) Remove the AIR SUS No.2 fuse from the engine room R/B.  
(b) Check continuity of the AIR SUS No.2 fuse.

**Standard:**

**Continuity**

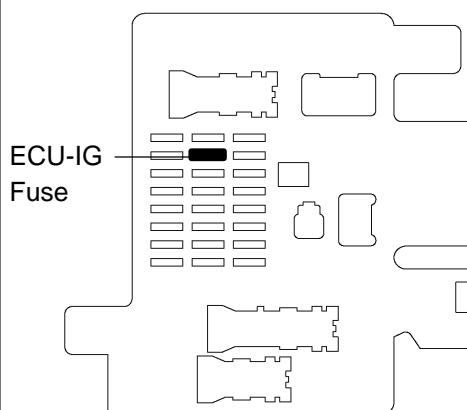
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INSPECT FOR SHORT CIRCUIT IN ALL HARNESS AND COMPONENTS CONNECTED TO AIR SUS NO.2 FUSE

OK

### 3 INSPECT FUSE(ECU-IG)

#### Driver Side J/B:



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

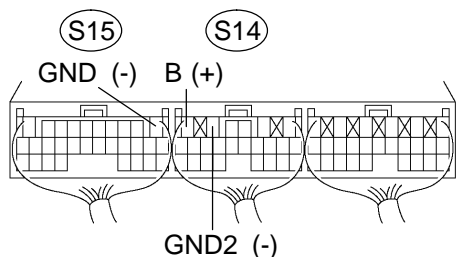
**Standard:****Continuity**

NG

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

OK

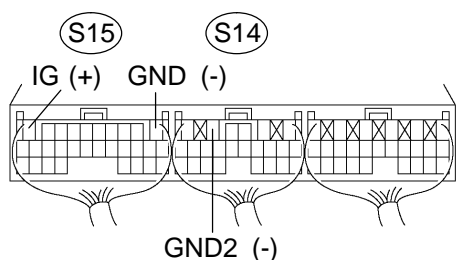
### 4 INSPECT SUSPENSION CONTROL ECU



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- (a) Remove the suspension control ECU with connectors being connected.
- (b) Turn the ignition switch to ON, and measure voltage between terminal S14-6 (B) and S15-1 (GND) and between S14-6 (B) and S14-5 (GND2) of the suspension control ECU connector.

**Standard:****10 - 14 V**

N

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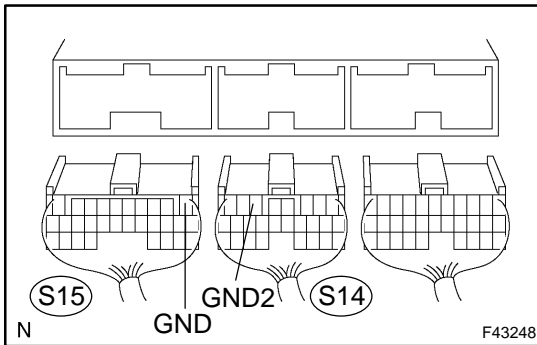
- (c) Turn the ignition switch to ON, measure voltage between terminal S15-10 (IG) and S15-1 (GND) and between S15-10 (IG) and S14-5 (GND2) of the suspension control ECU connector.

**Standard:****10 - 14 V**

OK

**CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01-35 )**

NG

**5****CHECK HARNESS AND CONNECTOR(SUSPENSION CONTROL ECU - BODY GROUND)**

- (a) Disconnect the suspension control ECU connectors.
- (b) Turn the ignition switch to ON.
- (c) Check resistance between terminal S15-1 (GND) and body ground and between S14-5 (GND2) and body ground.

**Standard:**  
**Continuity**

**HINT:**

- OK: Repair or replace the harness or the connector between the AIR SUS fuse and the suspension control ECU and/or the ECU-IG fuse and the suspension control ECU.
- NG: Repair or replace the harness or the connector between the suspension control ECU and body ground.

**NG**

**REPAIR OR REPLACE HARNESS OR CONNECTOR (See page 01-35 )**

**OK**

**REPAIR OR REPLACE HARNESS OR CONNECTOR (See page 01-35 )**