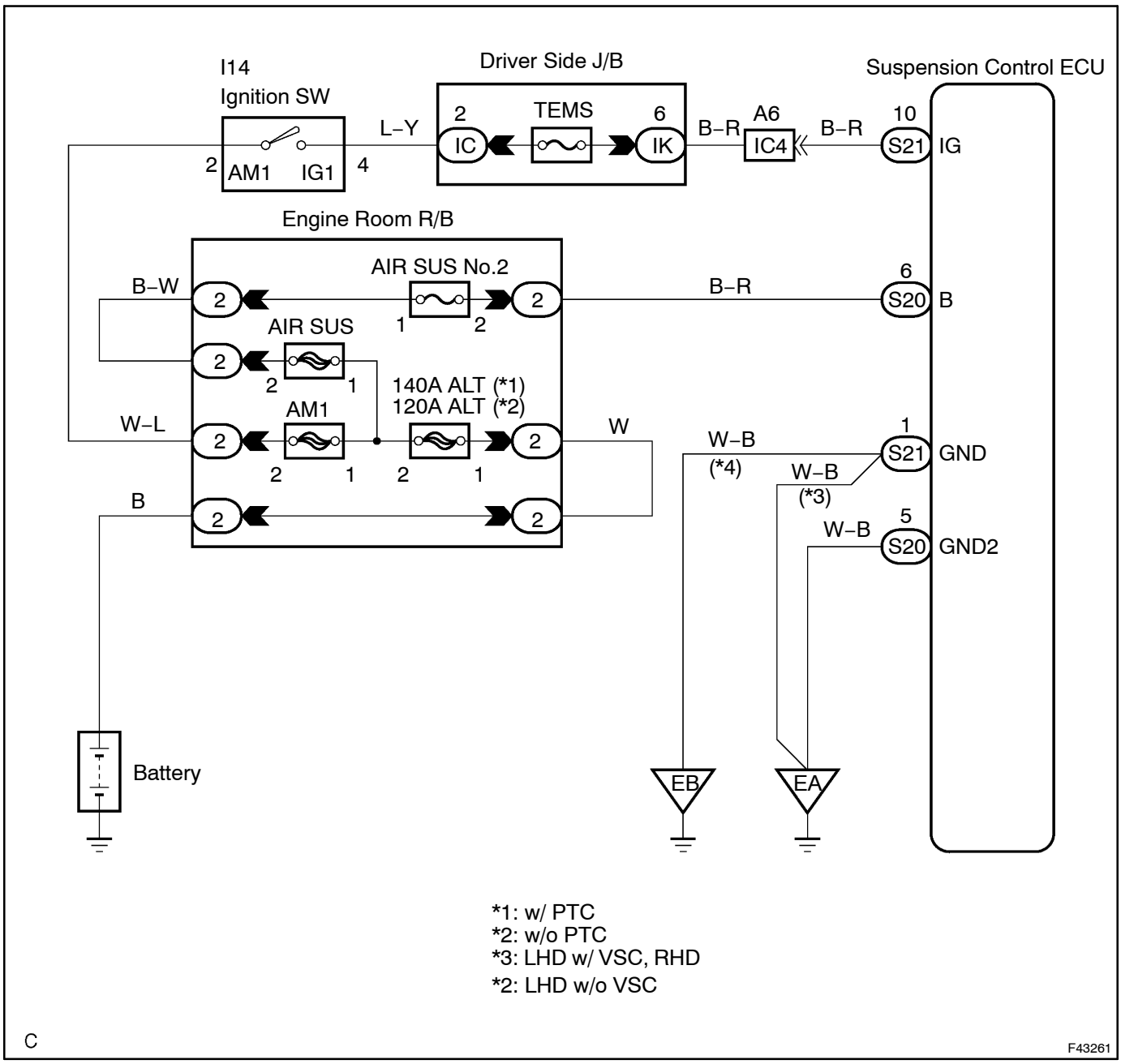
DTC C1774/74 POWER SOURCE CIRCUIT

CIRCUIT DESCRIPTION

When turning the ignition switch to ON, the battery positive voltage is input to terminal B and IG of the suspension control ECU. When turning the ignition switch to OFF, supply of the battery positive voltage to terminal B and IG 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.	• Battery • Power source circuit • Suspension control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

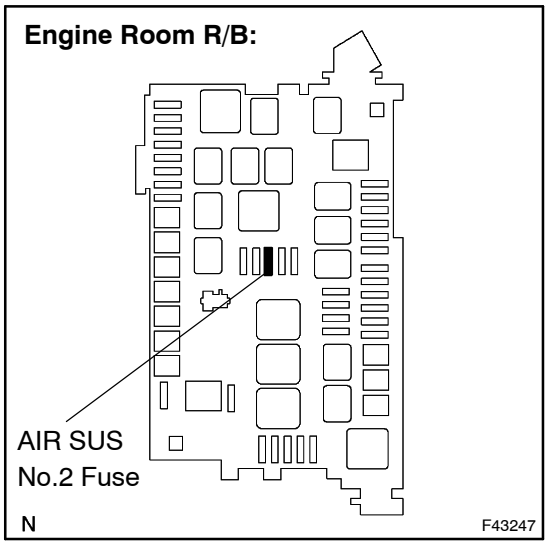
1	INSPECT SOURCE VOLTAGE

(a) Check the battery positive voltage.
Standard:
10 – 14 V

NG → **REPLACE BATTERY**

OK

2	INSPECT FUSE(AIR SUS NO.2)

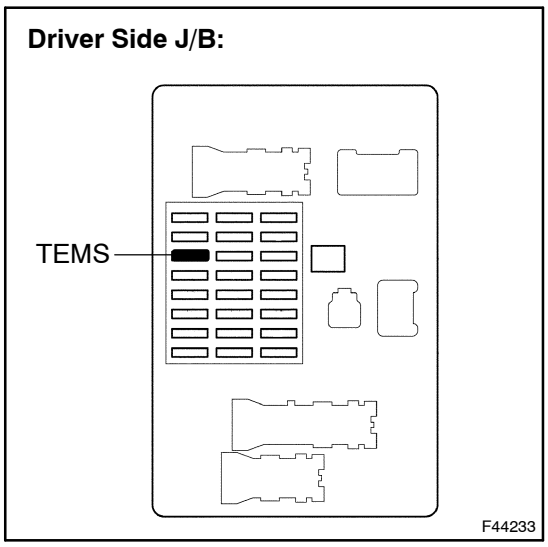


(a) Remove the AIR SUS No.2 fuse from the engine room R/B.
(b) Check continuity of the AIR SUS No.2 fuse.
Standard:
Continuity

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

OK

3 INSPECT FUSE(TEMS)

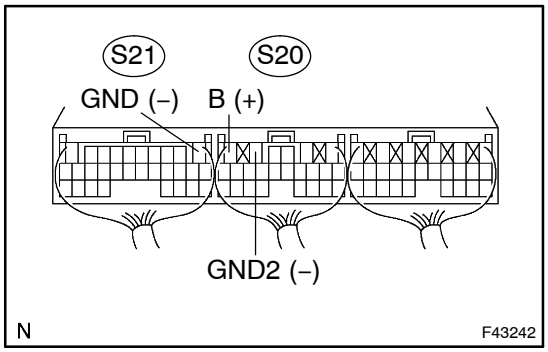


(a) Remove the TEMS fuse from the driver side J/B.
(b) Check continuity of the TEMS fuse.
Standard:
Continuity

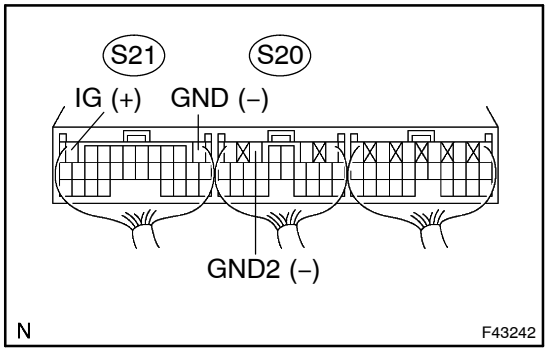
NG → **INSPECT FOR SHORT CIRCUIT IN ALL HARNESS AND COMPONENTS CONNECTED TO TEMS FUSE**

OK

4 INSPECT SUSPENSION CONTROL ECU



(a) Remove the suspension control ECU with connectors being connected.
(b) Turn the ignition switch to ON, and measure voltage between terminal S20–6 (B) and S21–1 (GND) and between terminal S20–6 (B) and S20–5 (GND2) of the suspension control ECU connector.
Standard:
10 – 14 V

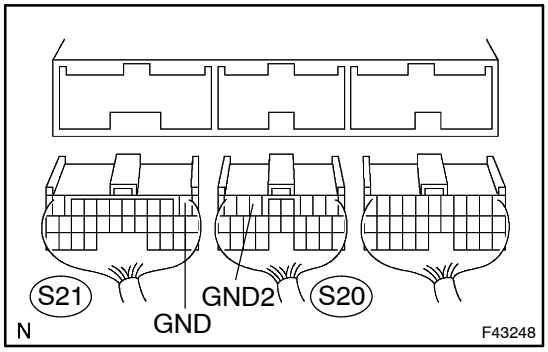


(c) Turn the ignition switch to ON, measure voltage between terminal S21–10 (IG) and S21–1 (GND) and between terminal S21–10 (IG) and S20–5 (GND2) of the suspension control ECU connector.
Standard:
10 – 14 V

OK → **CHECK AND REPLACE SUSPENSION CONTROL ECU (See page 01–36)**

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, and check continuity between terminal S21–1 (GND) and body ground and between terminal S20–5 (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 TEMS 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

OK

REPAIR OR REPLACE HARNESS OR CONNECTOR