

DTC	C1774 / 74	Power Source Circuit
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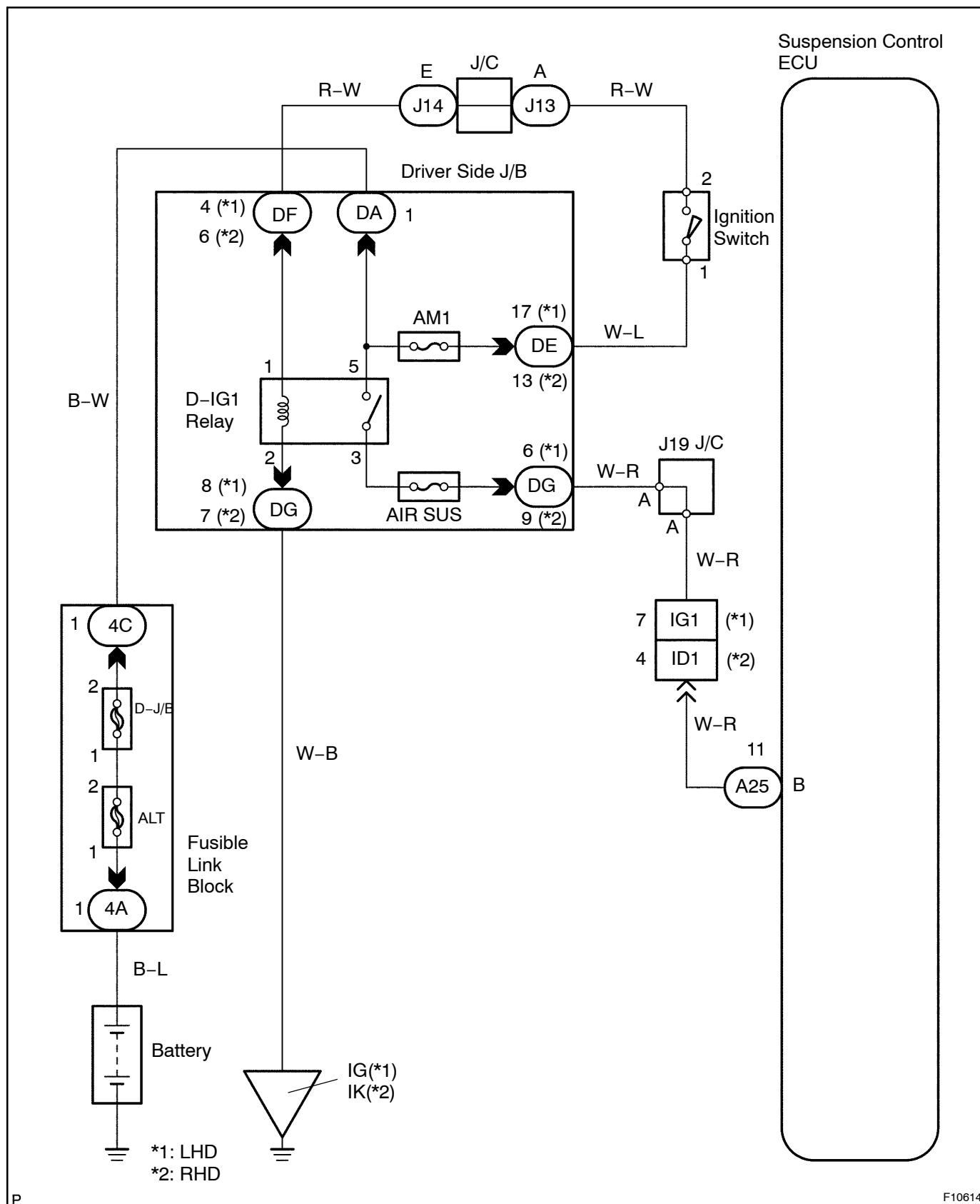
CIRCUIT DESCRIPTION

When the ignition switch is turned to ON, the D-IG1 relay is activated and battery voltage is applied to terminal B of the ECU. When the ignition switch is turned OFF, the D-IG1 relay is de-energized and the power source is cut off.

This power source energizes the suspension control actuator, height control solenoid valve, D-IG1 relay, each IC and sensor.

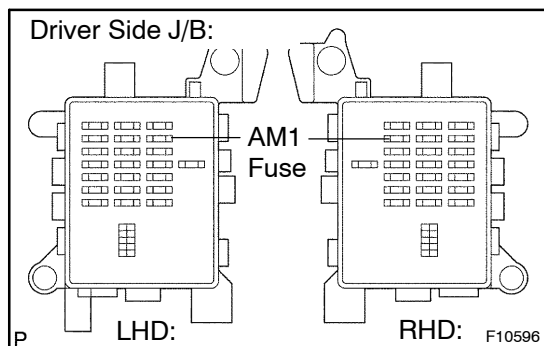
DTC No.	DTC Detecting Condition	Trouble Area
C1774 / 74	The suspension control ECU B terminal voltage of 9.5 – 10.5 V or less is detected for more than 0.5 sec.	• Battery • Power source circuit • Suspension control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE**1 Check battery voltage.****CHECK:**

- (a) Start the engine.
- (b) Check the battery voltage.

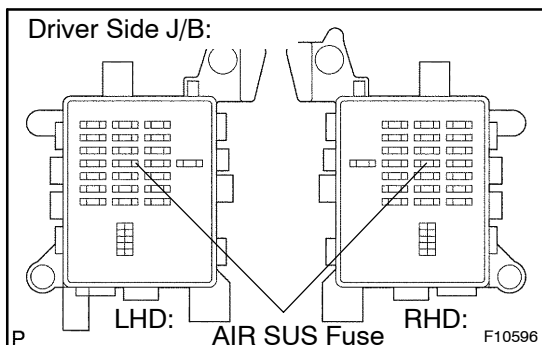
OK:**Voltage: 10 – 14 V****NG****Check and repair charging system.****OK****2 Check AM1 fuse (driver side J/B).****PREPARATION:**

Remove AM1 fuse from the driver side J/B.

CHECK:

Check continuity of AM1 fuse.

OK:**Continuity****NG****Check for short circuit in all the harness and components connected to AM1 fuse (See attached wiring diagram).****OK**

3 Check AIR SUS fuse (driver side J/B).**PREPARATION:**

Remove AIR SUS fuse from the driver side J/B.

CHECK:

Check continuity of AIR SUS fuse.

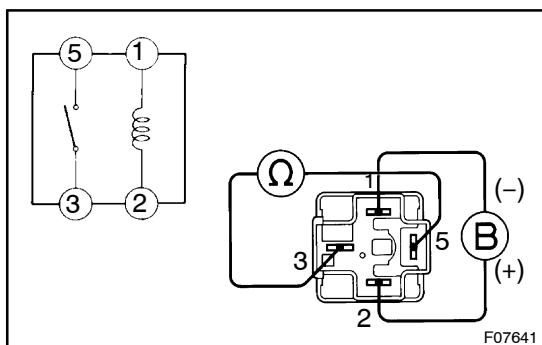
OK:

Continuity

NG

Check for short in all the harness and components connected to AIR SUS fuse (See attached wiring diagram).

OK

4 Check D-IG1 relay (driver side J/B).**PREPARATION:**

Remove D-IG1 relay from the driver side J/B.

CHECK:

Check continuity between each pair of terminals of D-IG1 relay shown below.

OK:

Terminals 3 and 5	Open
Terminals 1 and 2	Continuity

CHECK:

- (a) Apply battery voltage between terminals 1 and 2.
- (b) Check continuity between terminals 3 and 5.

OK:

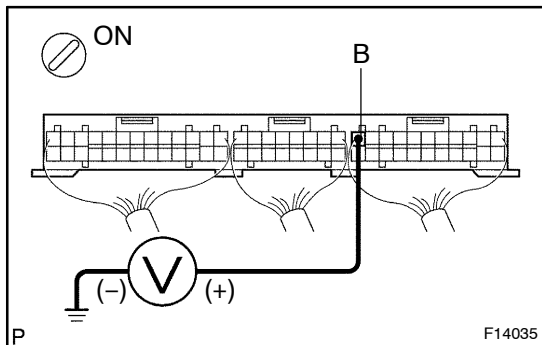
Terminals 3 and 5	Continuity
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NG

Replace D-IG1 relay.

OK

- 5 Check voltage between terminal B of suspension control ECU connector and body ground.**

**PREPARATION:**

Remove the suspension control ECU with the connectors still connected.

CHECK:

- (a) Turn the ignition switch ON.
- (b) Measure voltage between terminal B of the suspension control ECU connector and body ground.

OK:

Voltage: 10 – 14 V

OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-263](#)).

NG

- 6 Check for open circuit in harness and connector between suspension control ECU and D-IG1 relay, D-IG1 relay and battery ([See page IN-35](#)).**

NG

Repair or replace harness or connector.

OK

Replace suspension control ECU.