DI8D7–01

DTC	C1774 / 74	Power Source Circuit

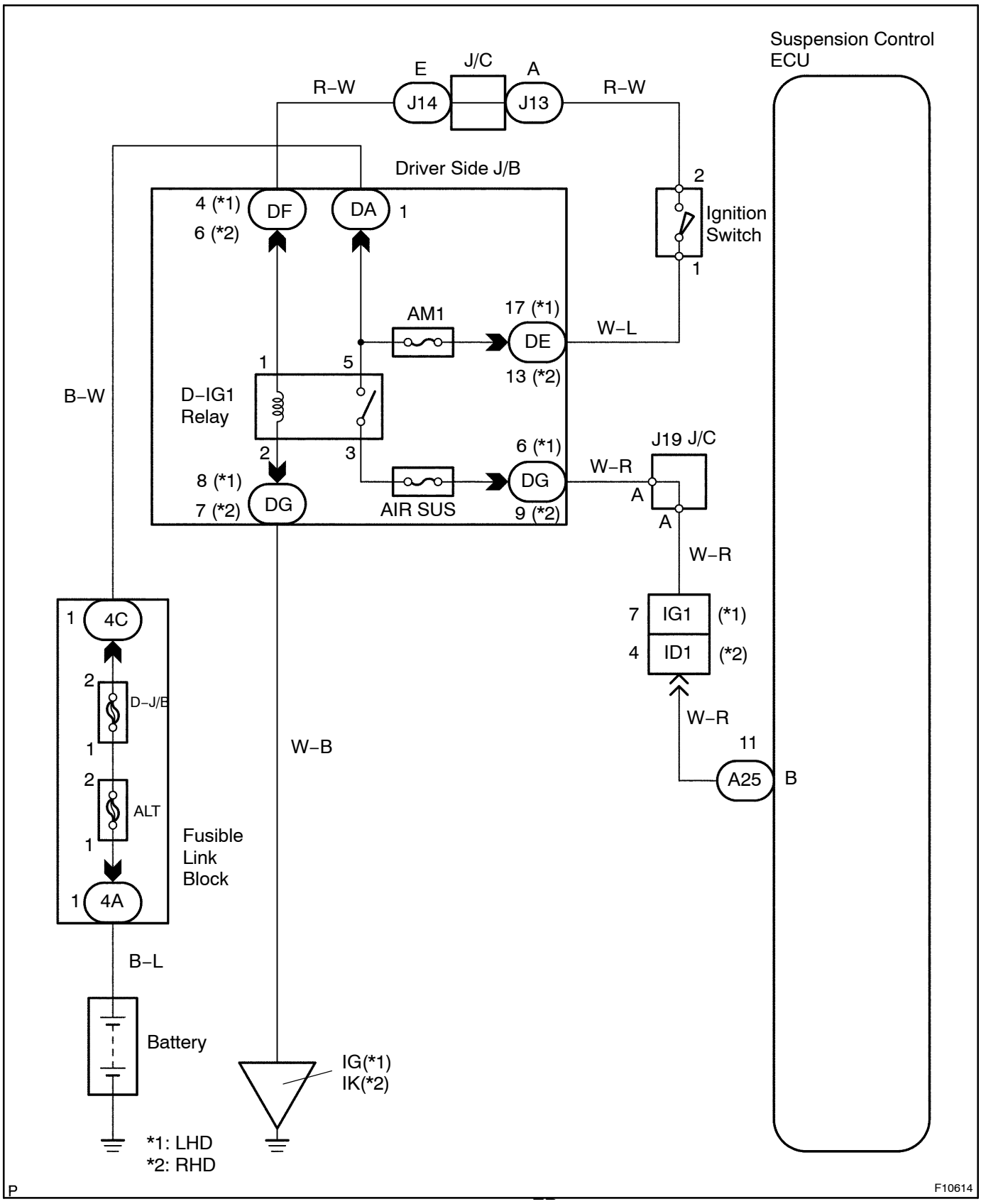
CIRCUIT DESCRIPTION

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.

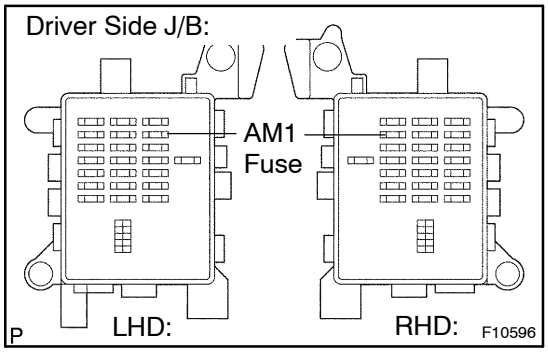
OK:

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.

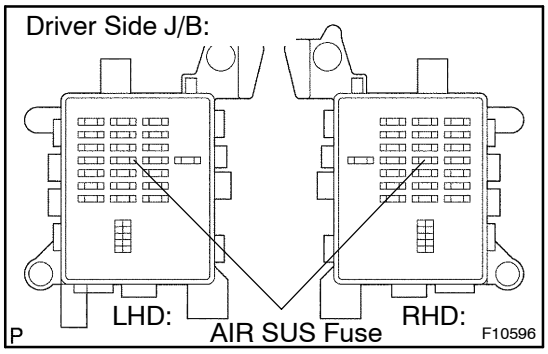
OK:

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).

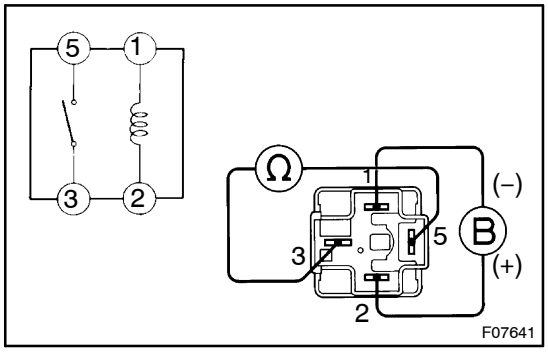


PREPARATION:
Remove AIR SUS fuse from the driver side J/B.
CHECK:
Check continuity of AIR SUS fuse.
OK:
Continuity

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

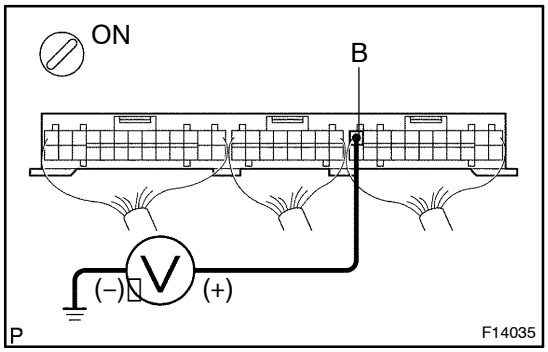
CHECK:
(a) Apply battery voltage between terminals 1 and 2.
(b) Check continuity between terminals 3 and 5.
OK:

Terminals 3 and 5	Continuity

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.