DI0WL–04

DTC	74	Power Source Circuit

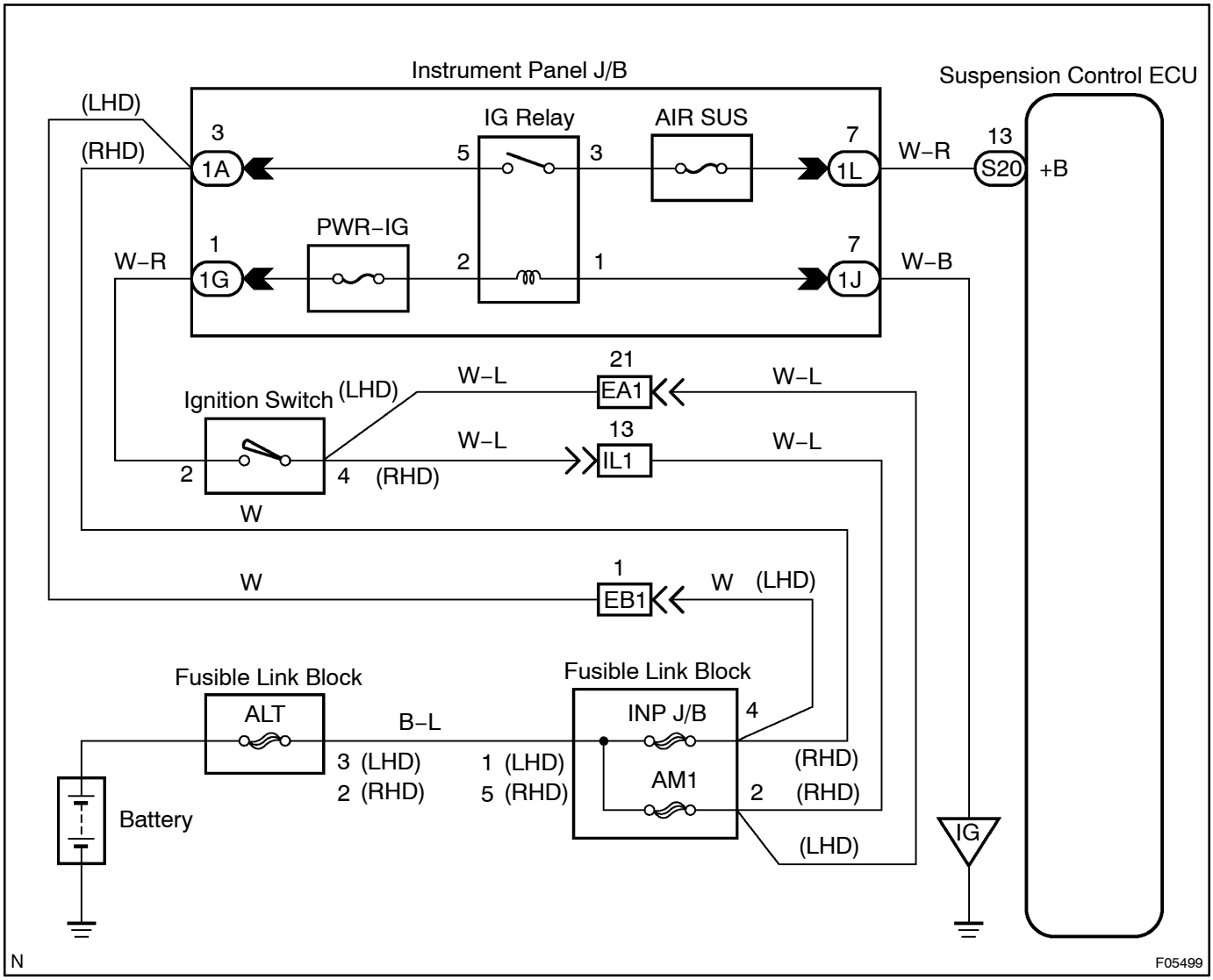
CIRCUIT DESCRIPTION

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

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

DTC No.	DTC Detecting Condition	Trouble Area
74	When 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:

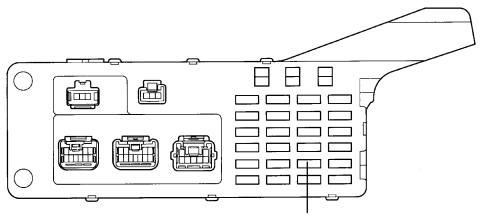
Voltage: 10 – 16 V

NG → **Charge and replace charging system.**

OK

2	**Check PWR–IG fuse (instrument panel J/B).**

Instrument Panel J/B:



PREPARATION:

Remove PWR–IG fuse from instrument panel J/B.

CHECK:

Check continuity of PWR–IG fuse.

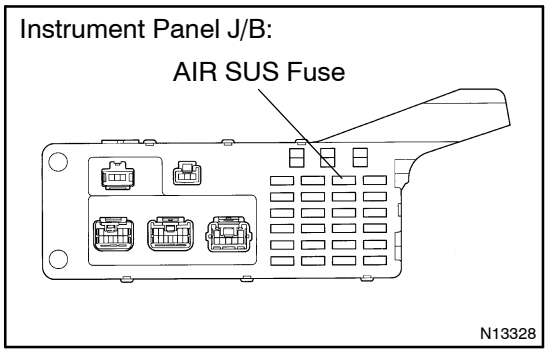
OK:

Continuity

NG → **Check for short in all the harness and components connected to PWR–IG fuse (See attached wiring diagram).**

OK

3	Check AIR SUS fuse (instrument panel J/B).

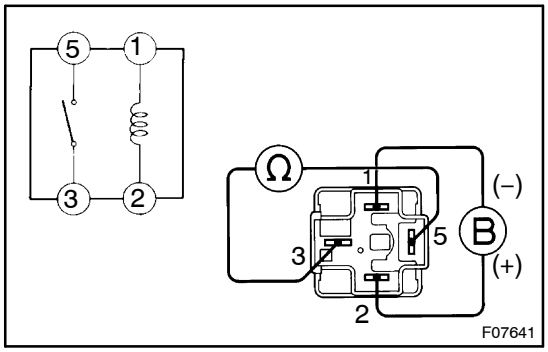


PREPARATION:
Remove AIR SUS fuse from instrument panel J/B.
CHECK:
Check continuity of AIR SUS fuse.
OK:
Continuity

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

OK

4	Check IG relay.



PREPARATION:
Remove the IG relay from instrument panel J/B.
CHECK:
Check continuity between each pair of terminals of ignition relay shown below.
OK:

Terminals 3 and 5	Open
Terminals 1 and 2	Continuity

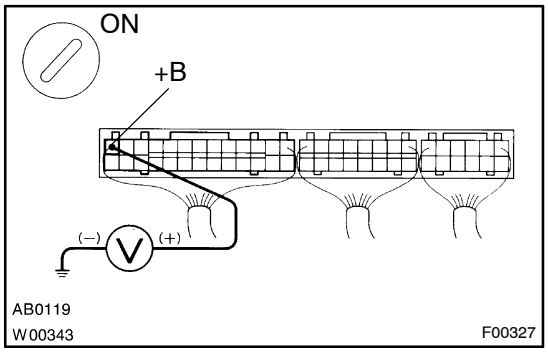
CHECK:
(a) Apply battery voltage between terminals 1 and 2.
(b) Check continuity between terminals 3 and 5.
OK:

Terminals 3 and 5	Continuity

NG → **Replace IG relay.**

OK

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



PREPARATION:

(a) LHD:
Remove the RH scuff plate, instrument panel under cover No. 2, glove compartment and CD changer (See page BO–96).

(b) RHD:
Remove the RH scuff plate, instrument panel under cover No. 1, instrument panel lower pad and heater to register duct No. 2 (See page BO–96).

CHECK:

(a) Turn the ignition switch ON.

(b) Measure the voltage between terminal +B of suspension ECU connector and body ground.

OK:

Voltage: 10 – 14 V

OK	**Proceed to next circuit inspection shown on problem symptoms table (See page DI–79).**

NG

6	**Check for open circuit in harness and connector between suspension control ECU and IG relay, IG relay and battery (See page IN–30).**

NG	**Repair or replace harness or connector.**

OK

Replace suspension control ECU.