DI5XU–01

DTC	41	Height Control Relay Circuit

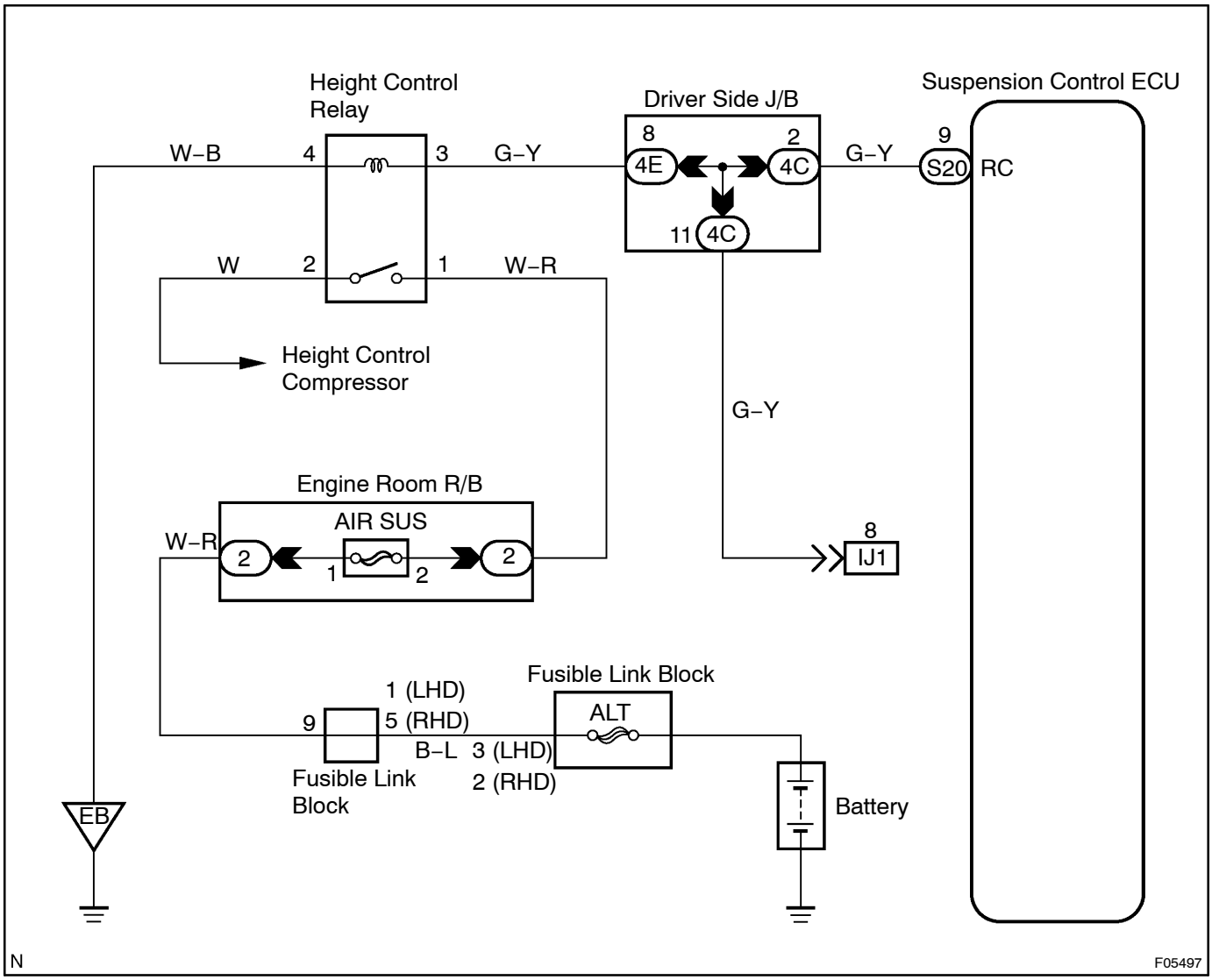
CIRCUIT DESCRIPTION

When the vehicle height starts to rise, a signal is sent from terminal RC of the ECU to switch the height control relay ON. As a result, current flows to the height control relay coil, the contacts in the relay close, and thus battery voltage is applied to the compressor, the compressor produces compressed air.

DTC No.	DTC Detecting Condition	Trouble Area
41	Either of the following 1. or 2. is detected. 1. With the height control relay inactivated, when an open signal of height control relay is detected for 1 sec. or more. 2. With the height control relay activated, when a short signal of height control relay is detected 8 times successively for 0.2 sec. or more.	• Height control relay • Height control relay circuit • Suspension control ECU

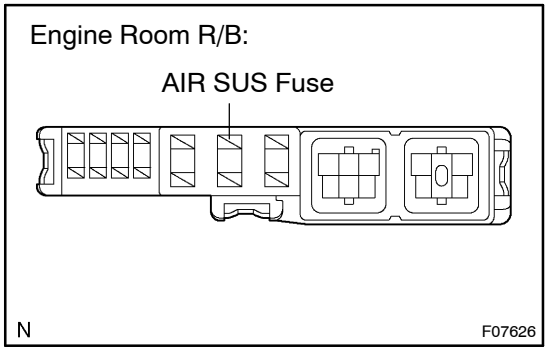
Once the ECU stores DTC 41 in memory, vehicle height control is not carried out until a normal signal is input to the ECU from the height control relay.
However, control is resumed if the ignition switch is turned OFF, then ON again.

WIRING DIAGRAM



INSPECTION PROCEDURE

1	**Check AIR SUS fuse (engine room R/B).**

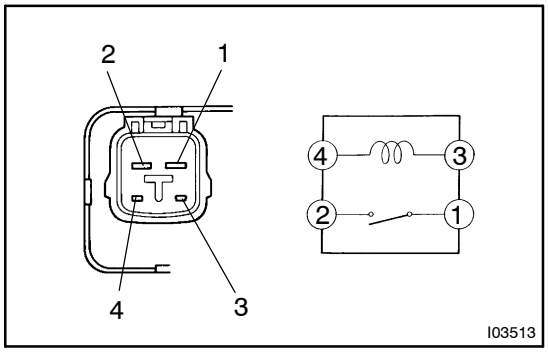


PREPARATION:
Remove AIR SUS fuse from engine room R/B.
CHECK:
Check continuity of AIR SUR fuse.
OK:
Continuity

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

OK

2	**Check height control relay.**

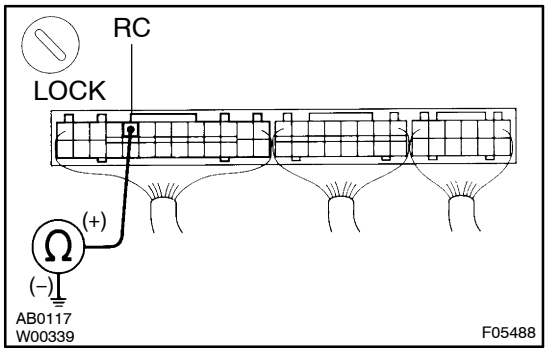


PREPARATION:
(a) Remove the air cleaner assembly.
(b) Disconnect the connector from the height control relay.
(c) Remove the height control relay.
CHECK:
Measure the resistance between terminals 3 and 4 of height control relay.
OK:
Resistance: Several Ω – 100 Ω

NG	**Replace height control relay.**

OK

3	**Check resistance between terminal RC 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:

Measure the resistance between terminal RC of suspension control ECU connector and body ground.

OK:

Resistance: Several Ω – 100 Ω

OK	**Proceed to next circuit inspection shown on problem symptoms table (See page DI–79).*1**

NG

4	**Check for open and short circuit in harness and connector between suspension control ECU and height control relay, height control relay and body ground. (See page IN–30).**

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

OK

Replace suspension control ECU.

*1: However, when DTC 41 is displayed, check and replace suspension control ECU.