

DTC	51	Continuous Electric Current to AIR SUS Relay
------------	-----------	---

CIRCUIT DESCRIPTION

DTC No.	DTC Detecting Condition	Trouble Area
51*1	Electric current is supplied to AIR SUS relay, which drives compressor motor, for approx. 7 minutes or longer	<ul style="list-style-type: none"> • Compressor motor • Compressor • Air tube • Height control valves • Exhaust valve • Height control sensor link • Height control sensor • Relief valve • ECU

*1: Since the relief pressure of the compressed air is 980 kPa (10 kgf/cm², 142 psi), if vehicle height control is attempted on a steeply sloping road, when the vehicle is overloaded, or when the vehicle jacked up with the engine is running, the compressor motor operated continuously to raise vehicle height, and causes electric current to flow to AIR SUS relay for approx. 7 minutes or longer. Thus DTC 51 may be output and vehicle height control may be suspended. (This is not abnormal.) However, in this case, when detecting the first error, approx. 10 minutes after the ignition switch was turned ON, vehicle height control is resumed. When detecting the following errors it takes 70 minutes until the control is resumed.

INSPECTION PROCEDURE

1	Inspect the compressor motor circuit (See page DI-266).
----------	--

NG

Go to troubleshooting shown on page [DI-266](#).

OK

2	Inspect for air leakage (See page SA-123).
----------	---

NG

Repair air leakage.

OK

3	Check whether height control valve is stuck closed, and exhaust valve is stuck open (check operation sound) (See page DI-259).
----------	---

NG

Repair or replace height control valve, exhaust valve.

OK

4	Does malfunction disappear by adjusting height control sensor link? (See page SA-125)
----------	--

YES

Adjust height control sensor link.

NO

5	Check and repair, or replace parts of the malfunction causes.
----------	--

- (a) Air tube clogged
- (b) Compressor faulty
- (c) Relief valve faulty
- (d) Height control sensor malfunction
- (e) Foreign material entered into height control valve, exhaust valve
- (f) ECU malfunction