

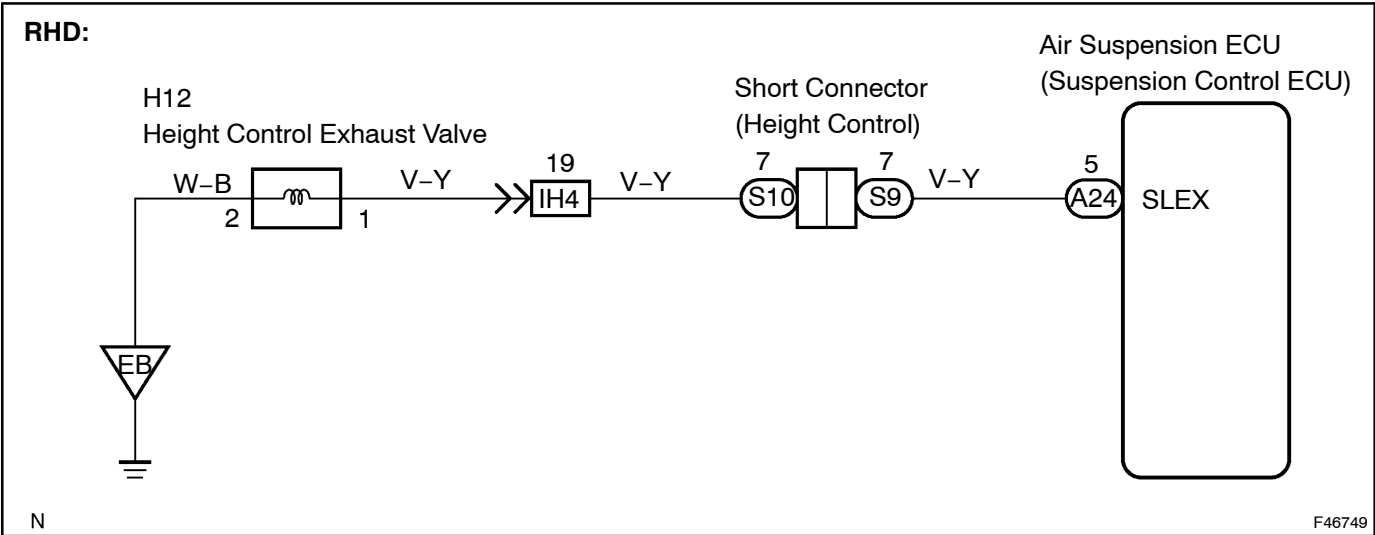
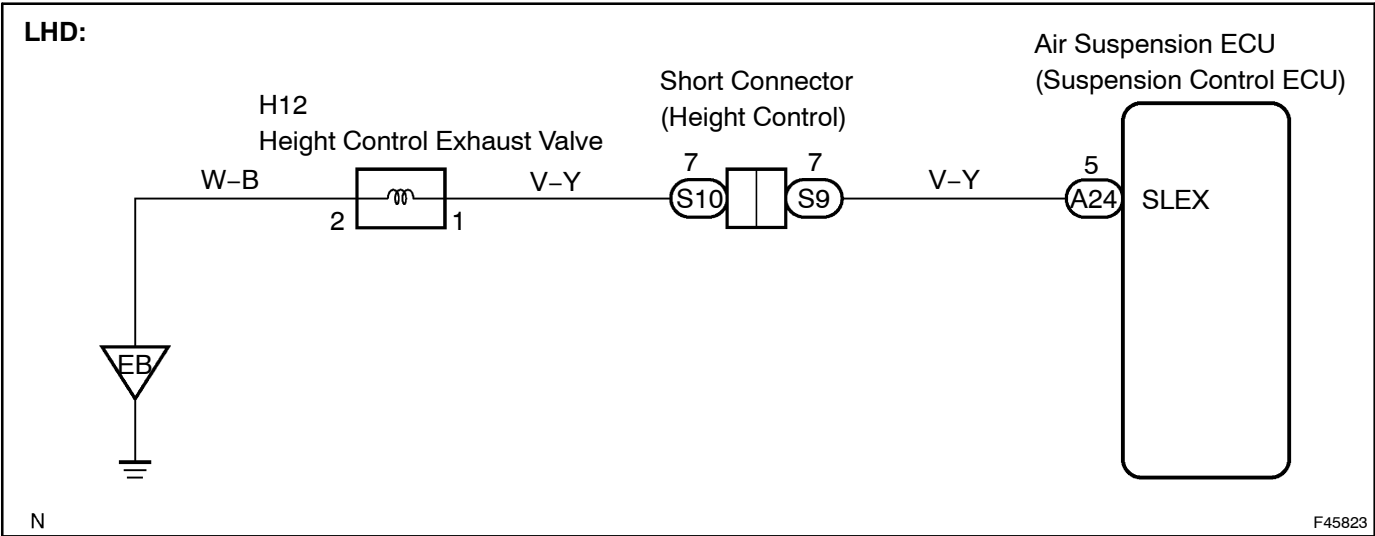
DTC	C1735	EXHAUST SOLENOID VALVE CIRCUIT
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CIRCUIT DESCRIPTION

The exhaust solenoid discharges high pressure air from the system by opening the solenoid valve according to the signal from the suspension control ECU.

DTC No.	DTC Detecting Condition	Trouble Area
C1735	Either the condition 1. or 2. is detected: 1. With the exhaust solenoid valve inactivated, an open signal of the exhaust solenoid valve is detected for 1 sec. or more. 2. With the exhaust solenoid valve activated, a short signal of the valve is detected 8 times successively.	<ul style="list-style-type: none">•Exhaust solenoid valve•Exhaust solenoid valve circuit•Suspension control ECU

WIRING DIAGRAM



INSPECTION PROCEDURE

1 RECONFIRM DTC

- (a) Check DTCs (see page 05-248).
(1) Confirm if DTC C1761 and/or C1774 is recorded.

OK:
DTC C1761 and/or C1774 is not output.

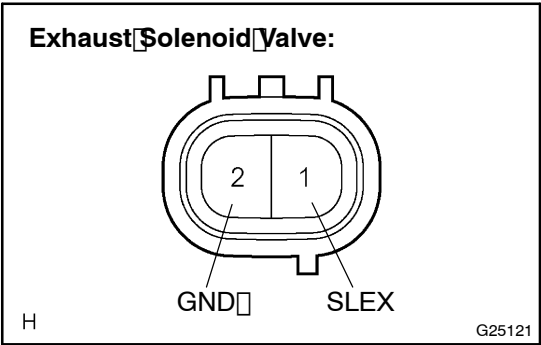
HINT:
If either DTC C1761 (ECU malfunction) (see page 05-313) or C1774 (power source circuit) (see page 05-316) is displayed, carry out the necessary inspection. If they are output at the same time, carry out the necessary inspection for DTC C1774 first.

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REPAIR CIRCUIT INDICATED BY OUTPUT CODE

OK

2 INSPECT EXHAUST SOLENOID VALVE



- (a) Disconnect the exhaust solenoid valve connector.
(b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
1 (SLEX) - 2 (GND)	10 to 4 Ω

- (c) Connect terminal 1 (SLEX) to the battery positive (+) terminal, and terminal 2 (GND) to the battery negative (-) terminal.
(d) Check the operating sound of the exhaust solenoid valve.

OK:
It should make an operating sound (click).

HINT:
When a malfunction is found in the exhaust solenoid valve, replace the height control compressor Assy.

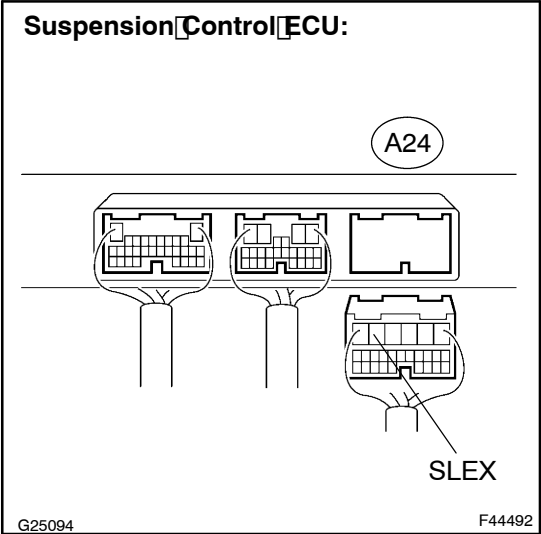
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REPLACE HEIGHT CONTROL COMPRESSOR ASSY (SEE PAGE 25-9)

OK

3

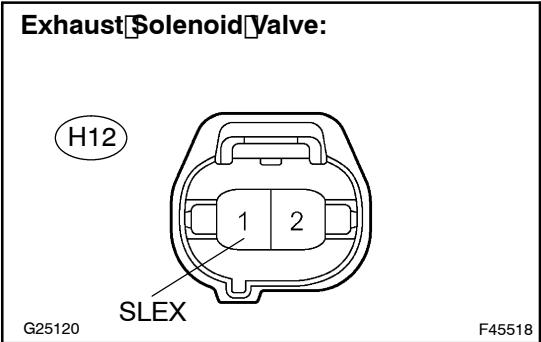
CHECK HARNESS AND CONNECTOR (SUSPENSION CONTROL ECU - EXHAUST SOLENOID VALVE) (SEE PAGE 01-44)



- (a) Disconnect the suspension control ECU A24 connector.
- (b) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
A24-5 (SLEX) - H12-1 (SLEX)	Below 1 Ω
A24-5 (SLEX) - Body ground	10 kΩ or higher



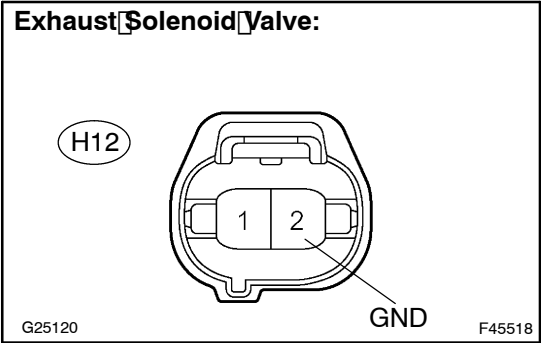
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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

4

CHECK HARNESS AND CONNECTOR (EXHAUST SOLENOID VALVE - BODY GROUND) (SEE PAGE 01-44)



- (a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester Connection	Specified Condition
H12-2 (GND) - Body ground	Below 1 Ω

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REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE SUSPENSION CONTROL ECU (SEE PAGE 25-20)