

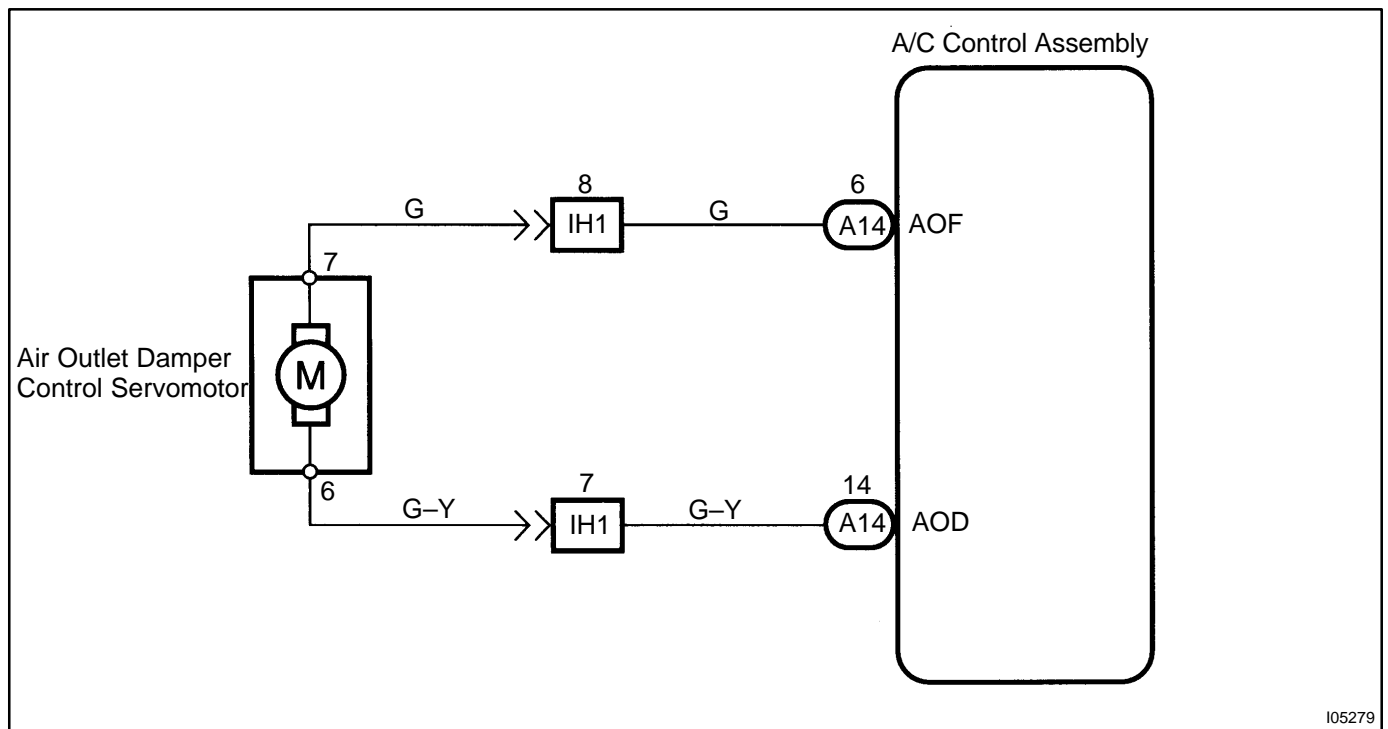
DTC	B1443/43	Air Outlet Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

This circuit turns the servomotor and changes each mode damper position by the signals from the A/C control assembly. When the AUTO switch is on, the A/C control assembly changes the mode automatically between (FACE), (BI-LEVEL) and (FOOT) according to the temperature setting.

DTC No.	Detection Item	Trouble Area
B1443/43	Air outlet damper position sensor value does not change even if A/C control assembly operated air outlet damper control servomotor.	<ul style="list-style-type: none"> • Air outlet damper control servomotor. • Air outlet damper position sensor. • Harness or connector between A/C control assembly air outlet damper control servomotor, air outlet damper position sensor. • A/C control assembly.

WIRING DIAGRAM



I05279

INSPECTION PROCEDURE

1 Actuator check.

Display Code	Air Flow
0 ~ 4	FACE
5	BI-LEVEL
6, 7	FOOT
8	FOOT DEF
9	DEF

PREPARATION:

- (a) Set to the actuator check mode (See page [DI-1301](#)).
 (b) Press the A/C switch and change to step operation.

CHECK:

Press the A/C switch and check the condition of air flow.

OK:

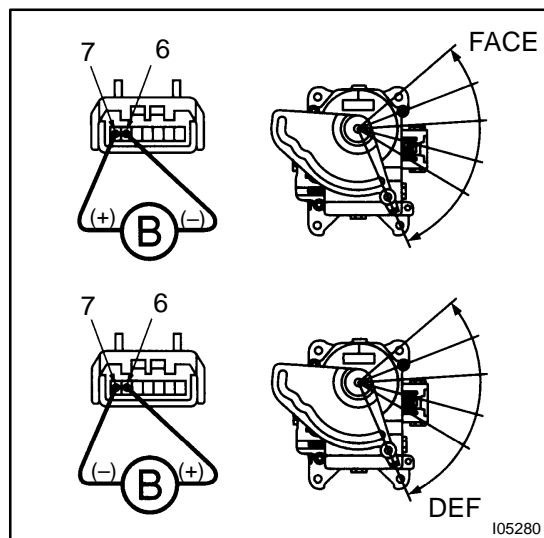
The mode changes with the change in the temperature display as shown in the table.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-1309](#)).

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2 Check air outlet damper control servomotor.

**PREPARATION:**

- (a) Remove heater unit. (See page [AC-24](#)).
 (b) Disconnect the air outlet damper control servomotor assembly connector.

CHECK:

Connect positive (+) lead to terminal 7 and negative (-) lead to terminal 6.

OK:

The lever moves smoothly to FACE position.

CHECK:

Connect positive (+) lead to terminal 6 and negative (-) lead to terminal 7.

OK:

The lever moves smoothly to DEF position.

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Replace air outlet servomotor.

OK

3	Check for open and short in harness and connector between A/C control assembly and outlet servomotor, outlet damper control servomotor and battery, outlet damper control servomotor and body ground (See page IN-32).
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Repair or replace harness or connector.

OK

Check and replace A/C control assembly.