

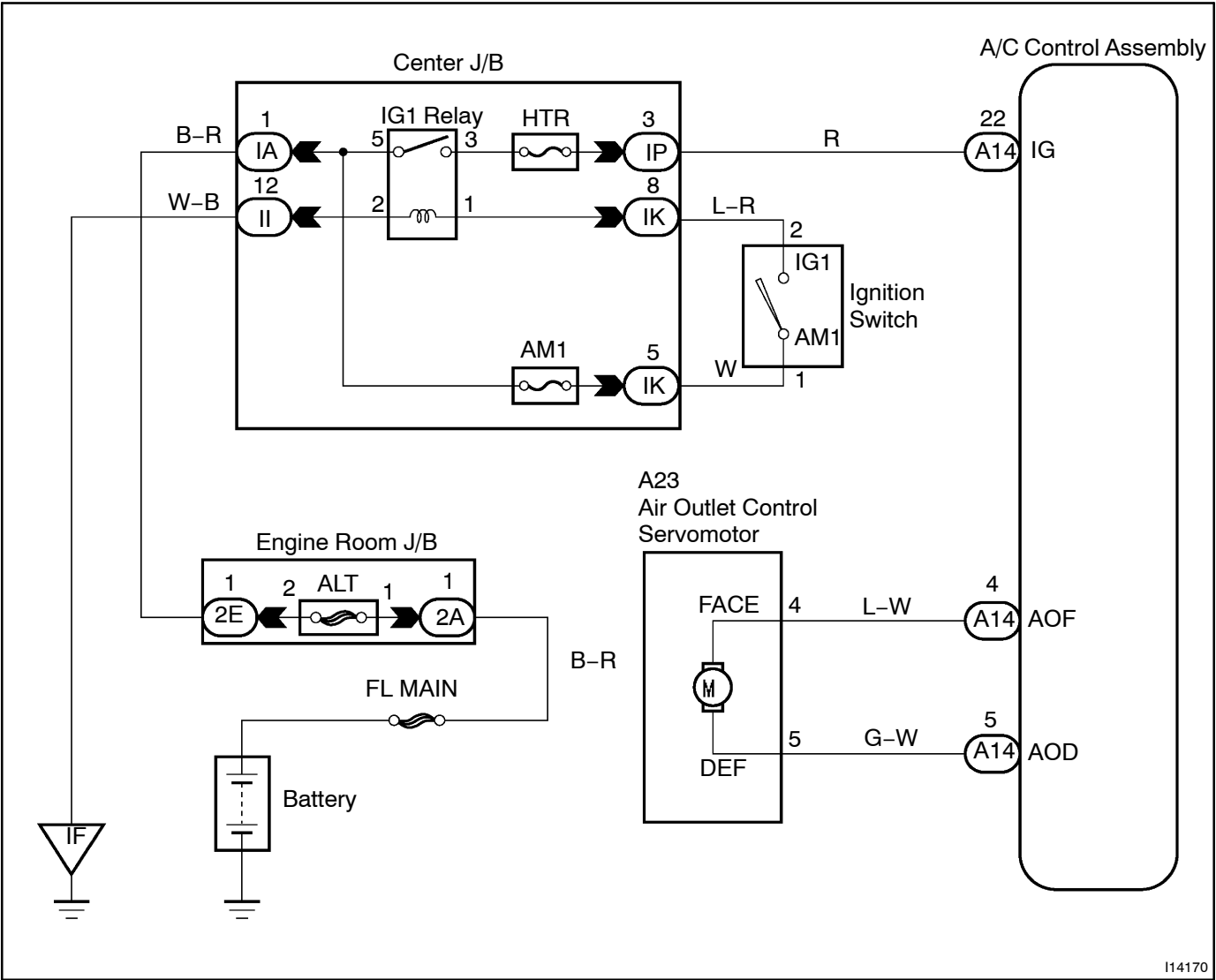
DTC	43	Air Outlet Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

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
43	Air outlet damper position sensor value does not change even if A/C control assembly operated air outlet damper control servomotor.	• 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



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-425).
 (b) Press the DEF switch and change to step operation.

CHECK:

Press the DEF switch in order and check the condition of air flow mode.

OK:

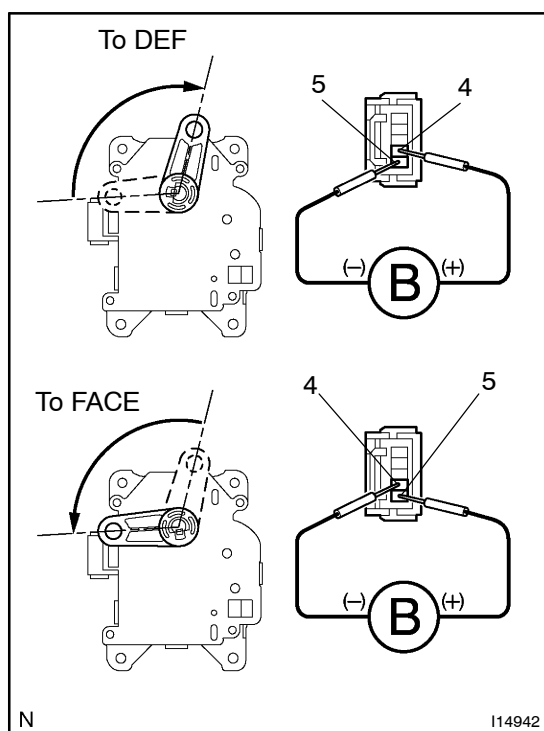
The mode changes with the change in the temperature display as shown in the table.

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-432).

NG

2 Check air outlet control servomotor.

**PREPARATION:**

Remove air outlet control servomotor (See page AC-55).

CHECK:

Connect positive (+) lead to terminal 4 and negative (-) lead to terminal 5.

OK:

The lever moves smoothly to FACE position.

CHECK:

Connect positive (+) lead to terminal 5 and negative (-) lead to terminal 4.

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 ([See page IN-30](#)).

NG

Repair or replace harness or connector.

OK

Check and replace A/C control assembly.