DI6SB–01

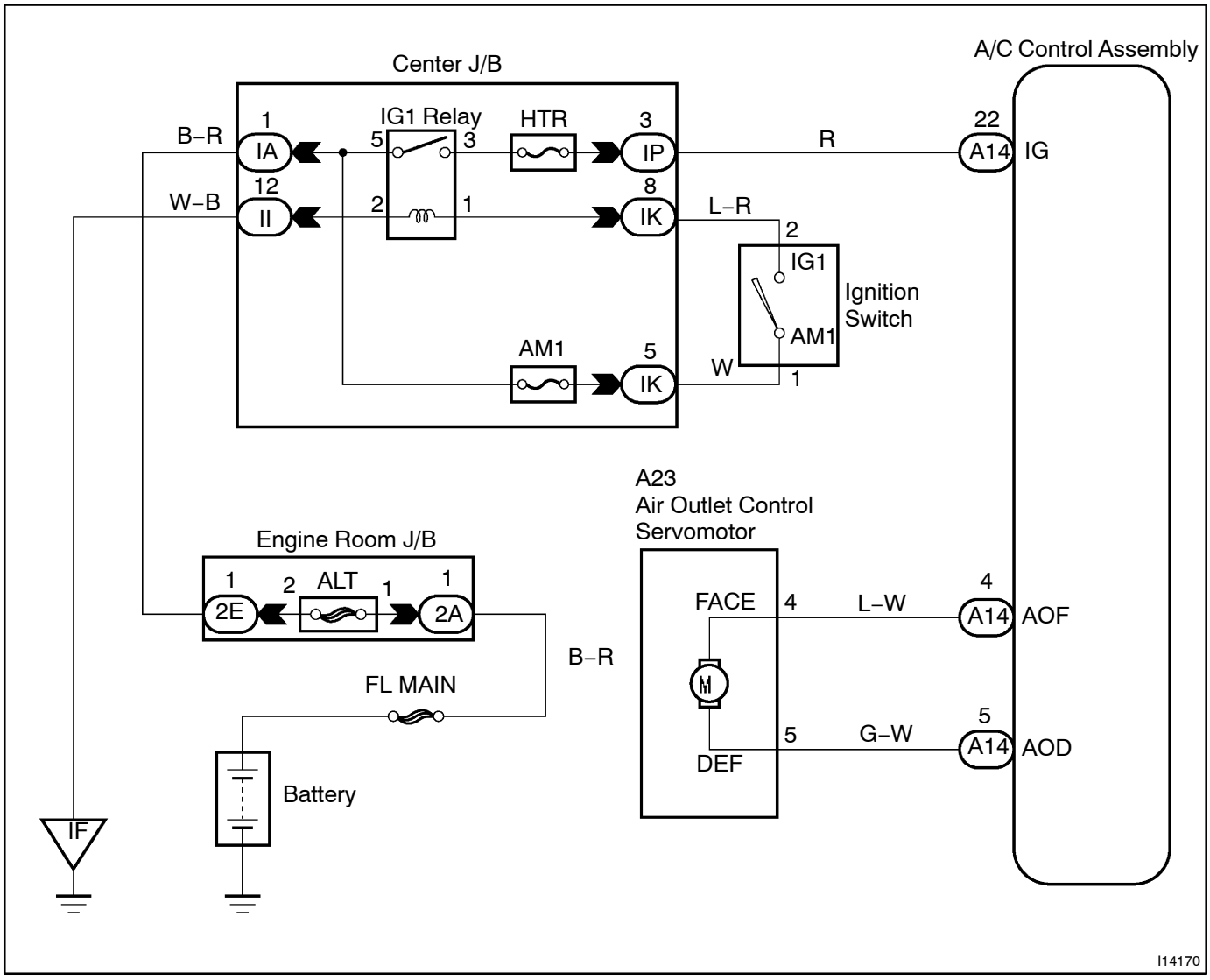
DTC	43	Air Outlet Damper Control Servomotor Circuit

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.

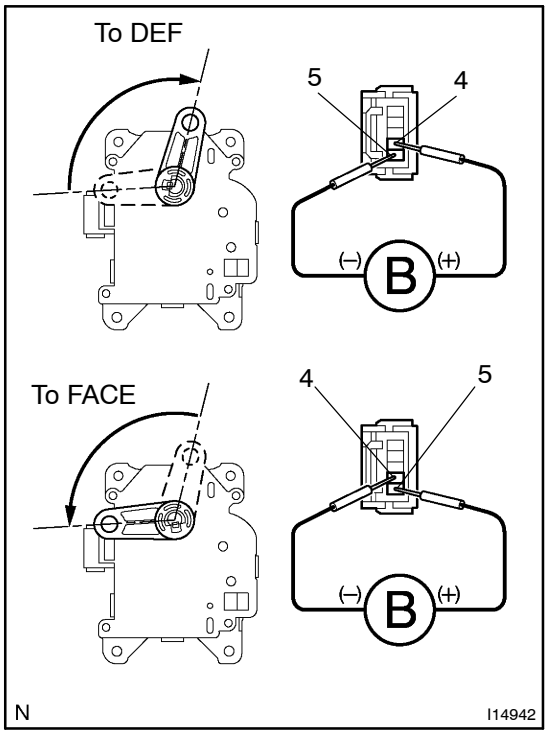
OK:

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.

NG	**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.