

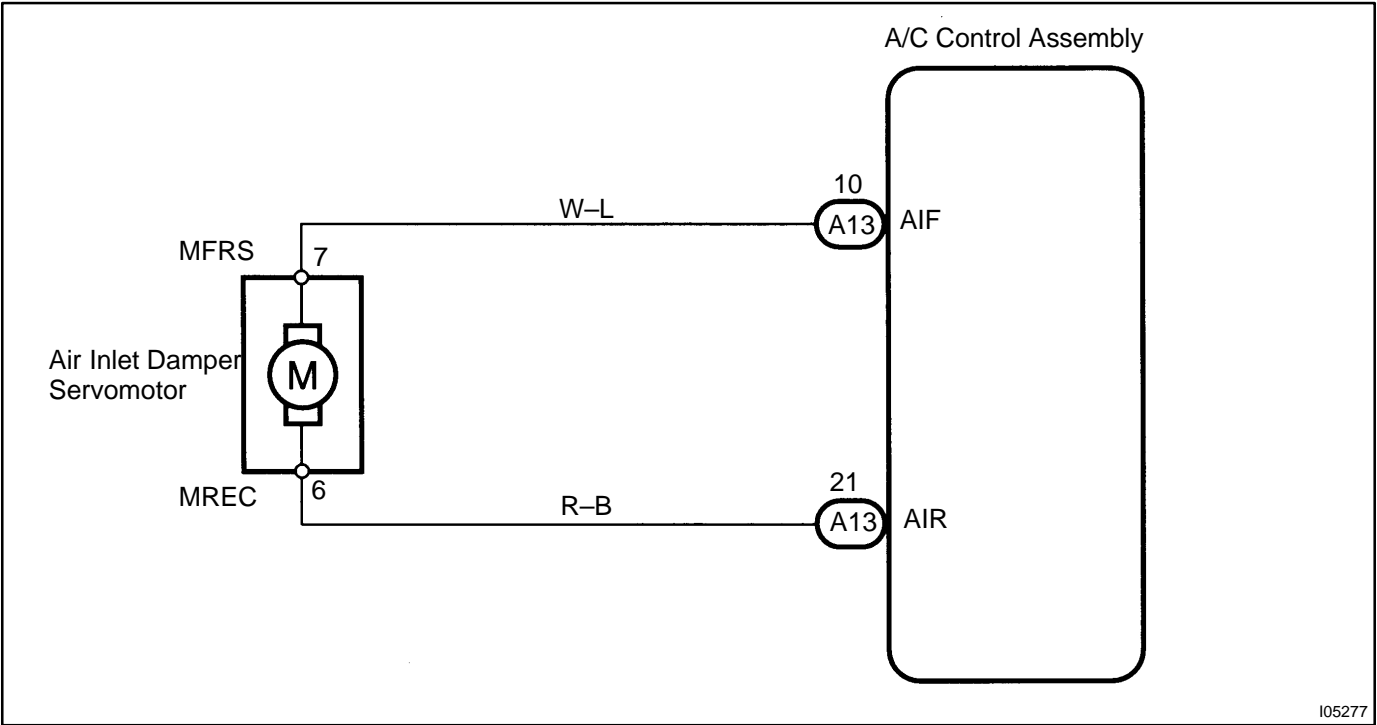
DTC	B1442/42	Air Inlet Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

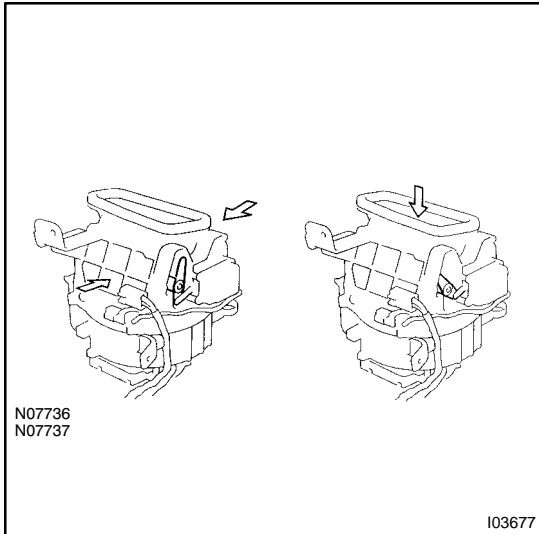
The air inlet damper control servomotor is controlled by the A/C control assembly and moves the air inlet damper to the desired position.

DTC No.	Detection item	Trouble Area
B1442/42	Air inlet damper position sensor value does not change even if A/C control assembly operated air inlet damper control servomotor.	<ul style="list-style-type: none">• Air inlet damper position sensor.• Harness or connector between air inlet damper control servomotor assembly and A/C control assembly.• A/C control assembly.

WIRING DIAGRAM



I05277

INSPECTION PROCEDURE**1 Actuator check.****PREPARATION:**

- (a) Remove glove box to see and check the air inlet damper operation.
- (b) Set to the actuator check mode (See page [DI-1301](#)).
- (c) Press the A/C switch and change it to step operation.

CHECK:

Press the A/C switch in order and check the operation of air inlet damper.

OK:

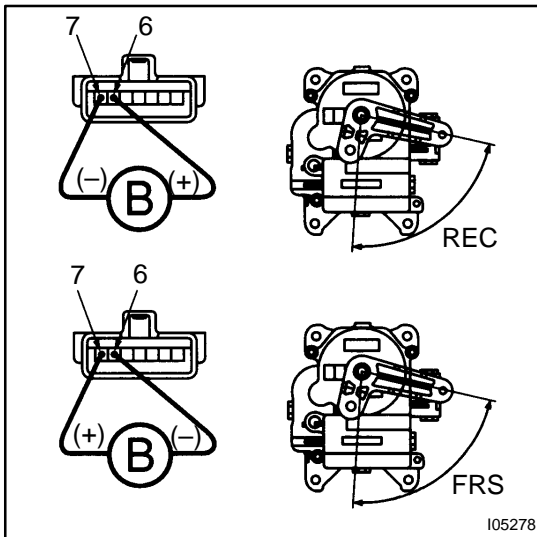
Display Code	Air Inlet Damper
0 – 1	FRS
2	F/R
3 – 5	REC
6 – 9	FRS

OK

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

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2 Check air inlet damper control servomotor.



PREPARATION:

- Remove cooling unit (See page [AC-24](#)).
- Disconnect the air inlet damper control servomotor assembly connector.

CHECK:

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

OK:

The lever moves smoothly to REC position.

CHECK:

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

OK:

The lever moves smoothly to FRS position.

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Replace air inlet damper control servomotor assembly.

OK

3 Check harness and connector between A/C control assembly and air inlet damper control servomotor (See page [IN-32](#)).

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Repair or replace harness or connector.

OK

Check and replace A/C control assembly.