

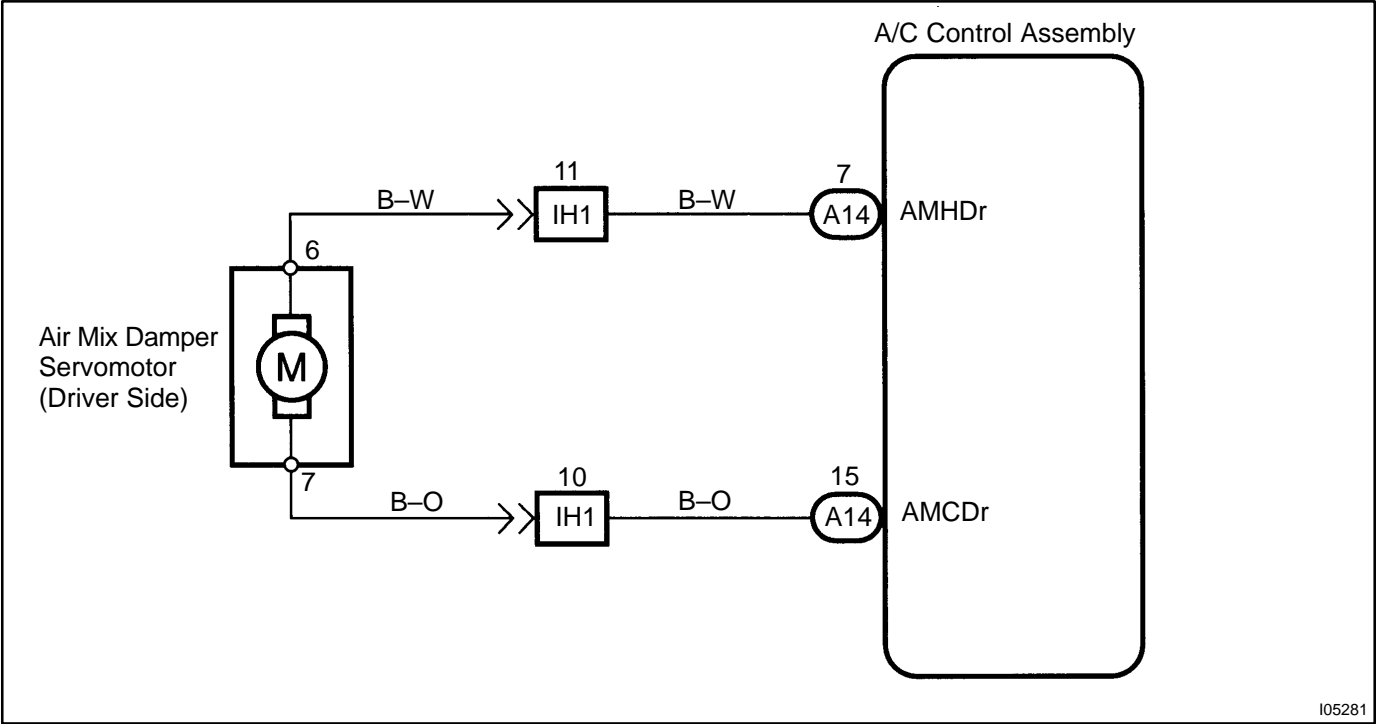
DTC	B1446/46	Air Mix Damper Control Servomotor Circuit (Passenger side)
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CIRCUIT DESCRIPTION

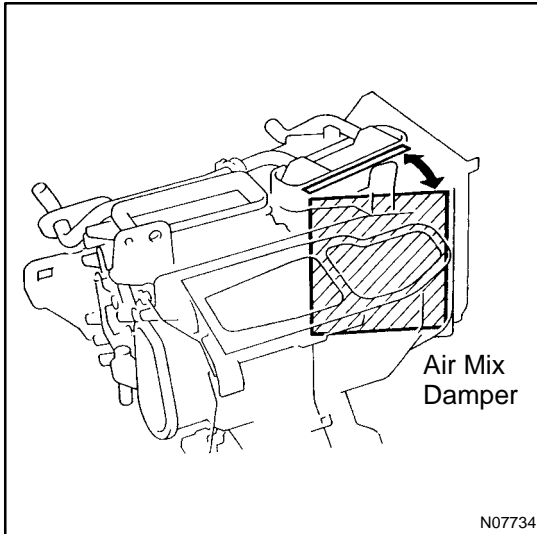
The air mix damper control servomotor is controlled by the A/C control assembly and moves the air mix damper to the desired position.

DTC No.	Detection Item	Trouble Area
B1446/46	Air mix damper position sensor value does not change even if A/C control assembly operates air mix damper control servomotor.	<ul style="list-style-type: none"> • Air mix damper control servomotor. • Air mix damper position sensor. • Harness or connector between A/M control assembly and A/C damper control servomotor, A/M damper position sensor. • A/c control assembly.

WIRING DIAGRAM



I05281

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

- (a) Warm up the engine.
- (b) Set to the actuator check mode (See page [DI-1301](#)).
- (c) Press the AC switch and change it to step operation.

CHECK:

Press the AC switch and check the operation of the air mix damper and the condition of the blower.

OK:

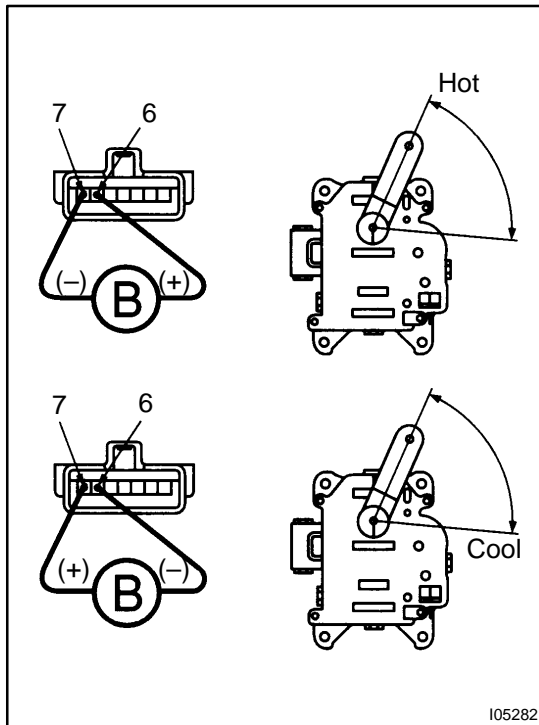
Display Code	Air Mix Damper	Condition
0 – 3	0% (Fully closed)	Cool air comes out
4 – 5	50%	
6 – 9	100% (Fully opened)	Warm air comes out

OK

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

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2 Check air mix damper control servomotor.



PREPARATION:

Remove heater unit (See page [AC-24](#)).

CHECK:

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

OK:

The lever turns smoothly to Hot side.

CHECK:

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

OK:

The lever turns smoothly to Cool side.

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Replace air mix damper control servomotor assembly.

OK

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

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Repair or replace harness or connector.

OK

Check and replace A/C control assembly.