

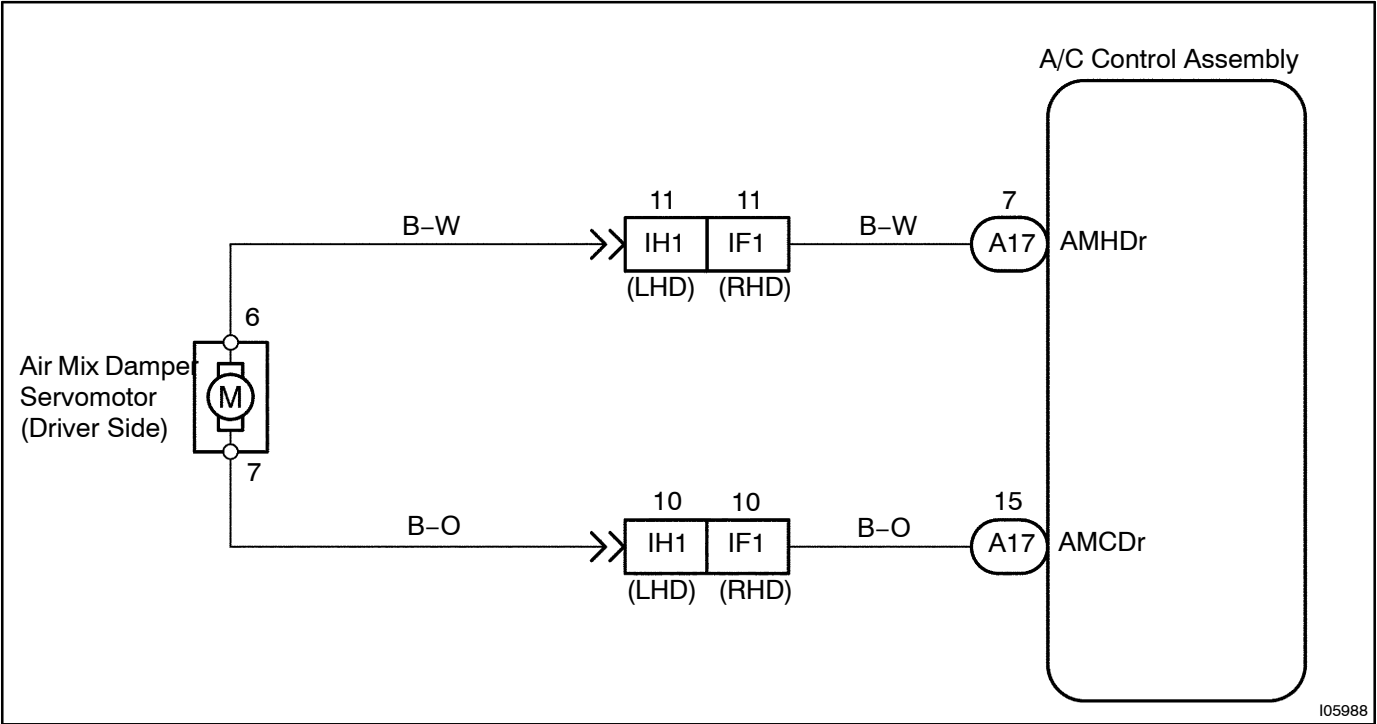
DTC	B1446/46	Air Mix Damper Control Servomotor Circuit (Driver side)
-----	----------	---

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.

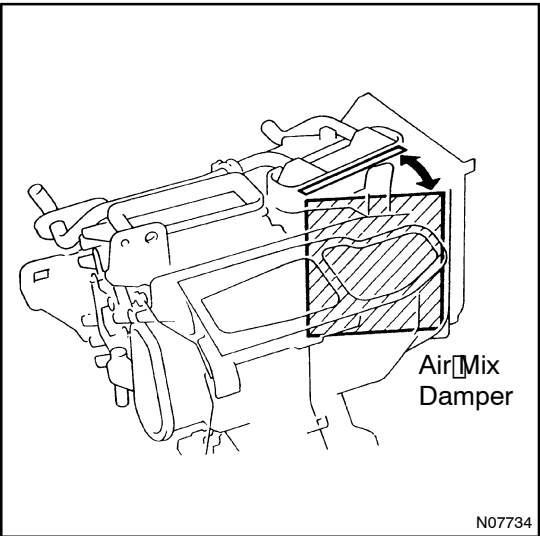
DTC No.	Detection Item	Trouble Area
B1446/46	Air mix damper position sensor value does not change even if A/C control assembly operates air mix damper control servomotor.	<ul style="list-style-type: none"><li>• Air mix damper control servomotor.</li><li>• Air mix damper position sensor.</li><li>• Harness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

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Actuator check.
---	-----------------



PREPARATION:

- (a) Warm up the engine.
- (b) Set to the actuator check mode (See page DI-904).
- (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:

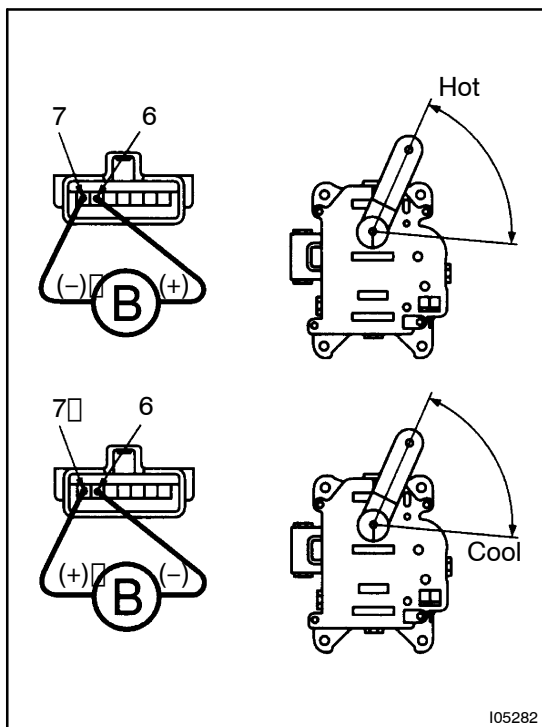
Display Code	Air Mix Damper	Condition
0 - 3	0% (Fully closed)	Cool air comes out
4 - 5	50%	
6 - 9	100% (Fully opened)	Warm air comes out

OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-912).

NG

## 2 Check air mix damper control servomotor.



### PREPARATION:

Remove heater unit (See page AC-26).

### 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.

NG

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-29).

NG

Repair or replace harness or connector.

OK

Check and replace A/C control assembly.