

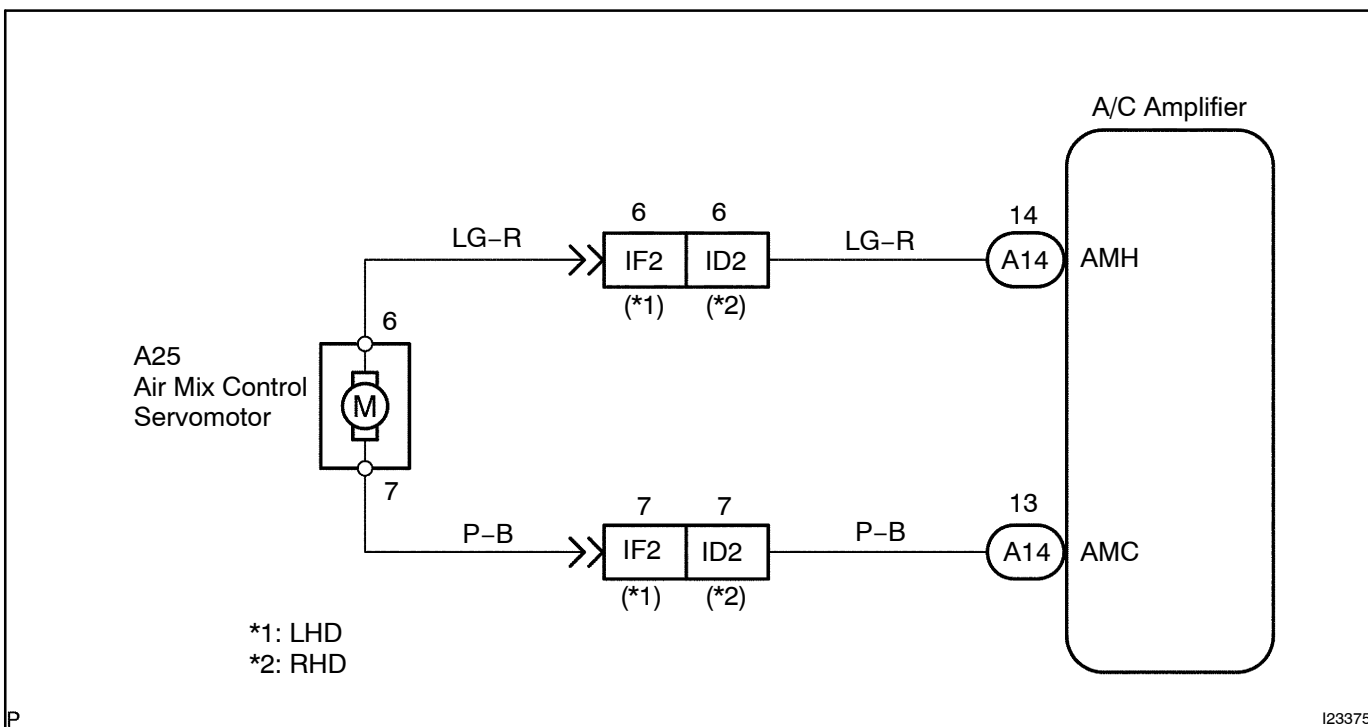
DTC	B1441	Air Mix Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

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

DTC No.	Detection Item	Trouble Area
B1441	Air mix damper position sensor value does not change even if A/C amplifier 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/C amplifier and A/M damper control servomotor, A/M damper position sensor. • A/C amplifier.

WIRING DIAGRAM



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

- (a) Warm up the engine.
- (b) Set to the actuator check mode (See page DI-606).

CHECK:

Check the operation of the air mix damper and the condition of the blower.

OK:

Display Code	Air Mix Damper	Condition
0 - 3	-10% (Fully closed)	Cool air comes out
4 - 5	50%	
6 - 9	110% (Full opened)	Warm air comes out

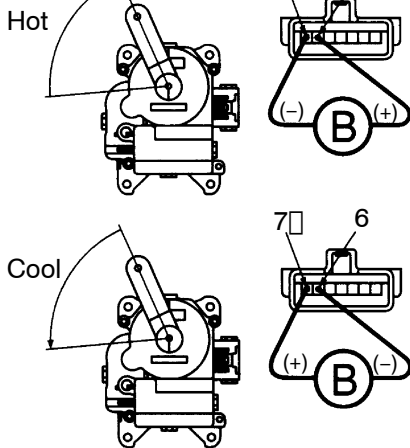
OK

Proceed to next circuit inspection shown on problem symptoms table (See page DI-612).

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2 Check air mix damper control servomotor.

RHD Models:



PREPARATION:

Remove the air mix damper control servomotor.

CHECK:

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

OK:

The lever turns smoothly to Hot side.

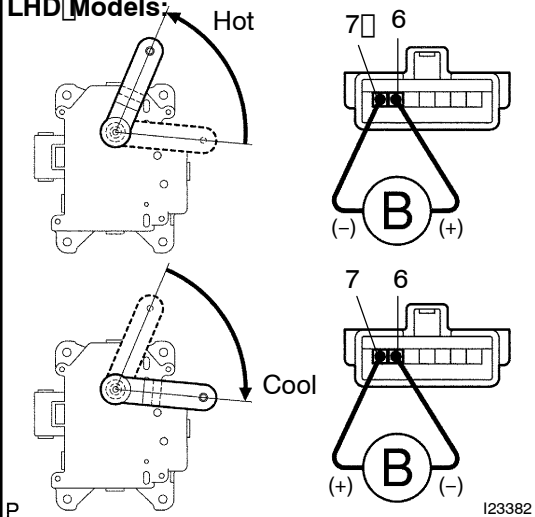
CHECK:

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

OK:

The lever turns smoothly to Cool side.

LHD Models:



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Replace air mix damper control servomotor assembly.

OK

3 Check harness and connector between A/C amplifier and air mix damper control servomotor assembly (See page N-34).

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Repair or replace harness or connector.

OK

Check and replace A/C amplifier.