

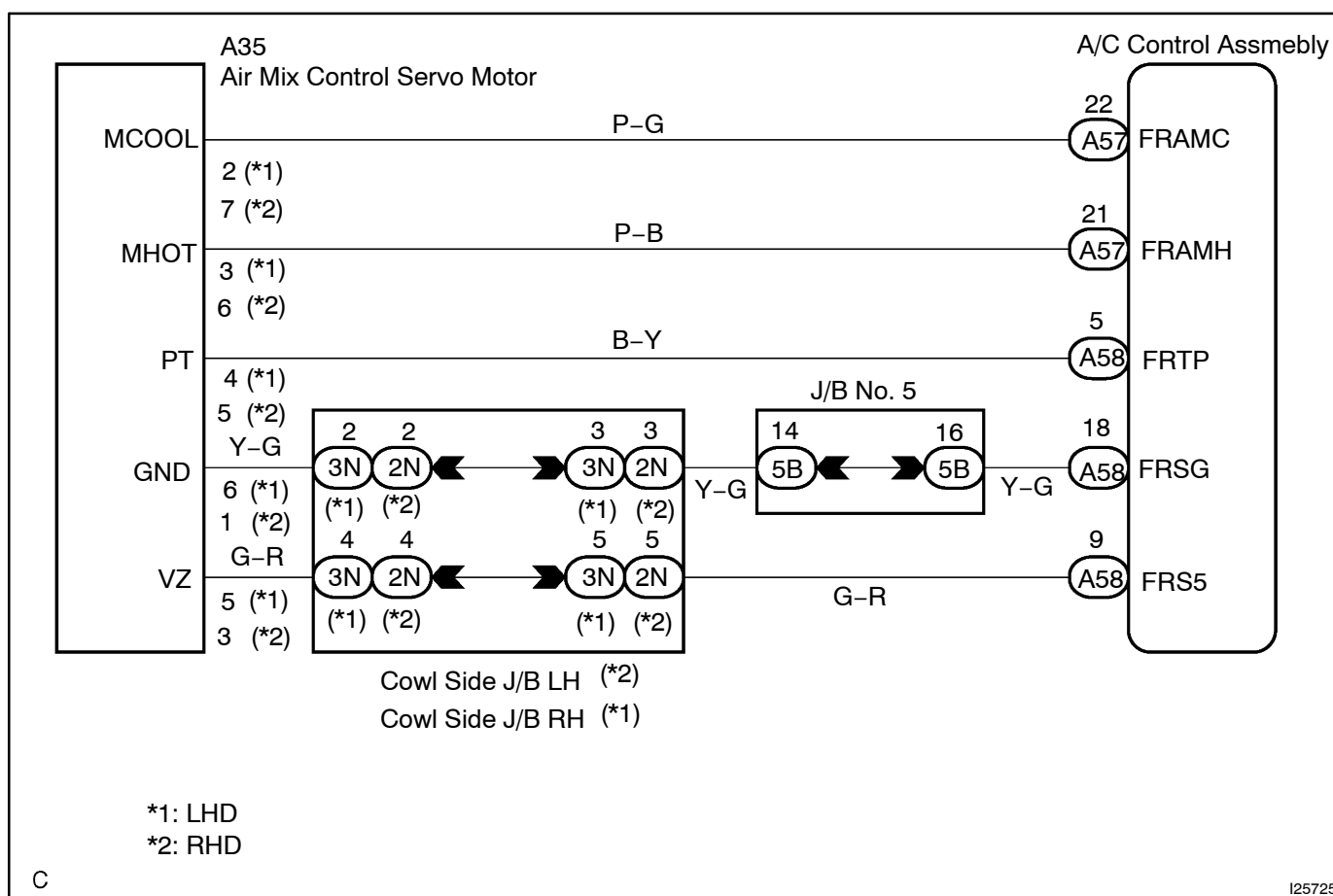
DTC	41	Front Air Mix Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

The front 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
41	Air mix damper position sensor value does not change even if A/C control assembly operates air mix damper control servomotor.	- Front air mix damper control servomotor. - Harness or connector between front air mix damper control servomotor and A/C amplifier - A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Actuator check.

PREPARATION:

- (a) Warm up the engine.
- (b) Set to actuator check mode ([See page DI-1226](#)).
- (c) Press the DEF switch and change it to step operation.

CHECK:

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

OK:

Display Code	Air Mix Damper	Condition
0 – 2	0 % (Fully closed)	Cool air comes out
3 – 4	50 %	
5 – 7	100 % (Full opened)	Warm air comes out

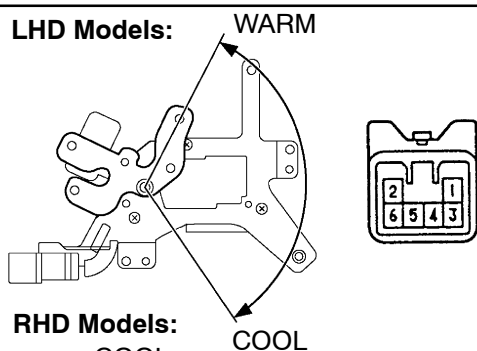
OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-1238](#)).

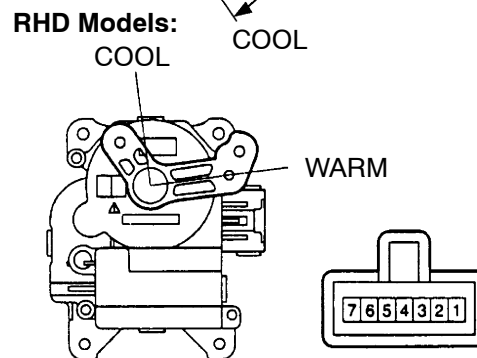
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2 Check front air mix damper control servomotor.

LHD Models:



RHD Models:



I08312 I08313
I08777

I08778

PREPARATION:

Remove front air mix servomotor.

CHECK:

Connect positive (+) lead to terminal 3 (6) and negative (–) lead to terminal 2 (7).

(): RHD Models

OK:

The lever turns smoothly to WARM side.

CHECK:

Connect positive (+) lead to terminal 2 (7) and negative (–) lead to terminal 3 (6).

(): RHD Models

OK:

The lever turns smoothly to COOL side.

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Replace front air mix damper control servomotor assembly.

OK

- | | |
|----------|--|
| 3 | Check harness and connector between front air mix damper control servomotor and A/C amplifier (See page IN-38). |
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Repair or replace harness or connector.

OK

Check and replace A/C amplifier.