

<b>DTC</b>	<b>42</b>	<b>Air Inlet Damper Control Servomotor Circuit</b>
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The air inlet damper control servomotor is controlled by the A/C amplifier and moves the air inlet damper to the desired position.

## WIRING DIAGRAM



## INSPECTION PROCEDURE

### HINT:

In case of w/ Navigation system, start the inspection step 1 and in case of w/o Navigation system, start the inspection step 2.

1	<b>Actuator check.</b>
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### PREPARATION:

- (a) Warm up the engine.
- (b) Set the actuator check mode ([See page DI-115](#))
- (c) Press the UPDr switch and change it to step operation.

### CHECK:

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

### OK:

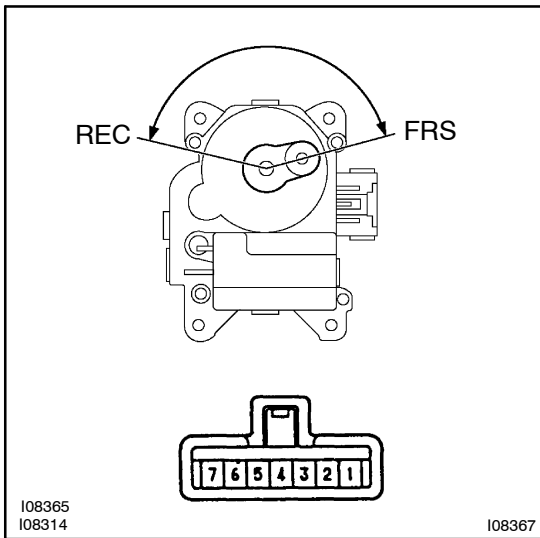
Display Code	Air Mix Damper	Condition
0 – 3	0 % (Fully closed)	Cool air comes out
4 – 5	50 %	
6 – 9	100 % (Full opened)	Warm air comes out

**OK**

**Proceed to next circuit inspection shown on problem symptoms table ([See page DI-130](#))**

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## 2 Check air inlet damper control servomotor.



### PREPARATION:

- Remove air inlet servomotor.
- Disconnect the air inlet damper control servomotor assembly connector.

### CHECK:

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

### OK:

The lever moves smoothly to REC position.

### CHECK:

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

### 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 amplifier and air inlet damper control servomotor (See page IN-34).

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Repair or replace harness or connector.

OK

Check and replace A/C amplifier.