

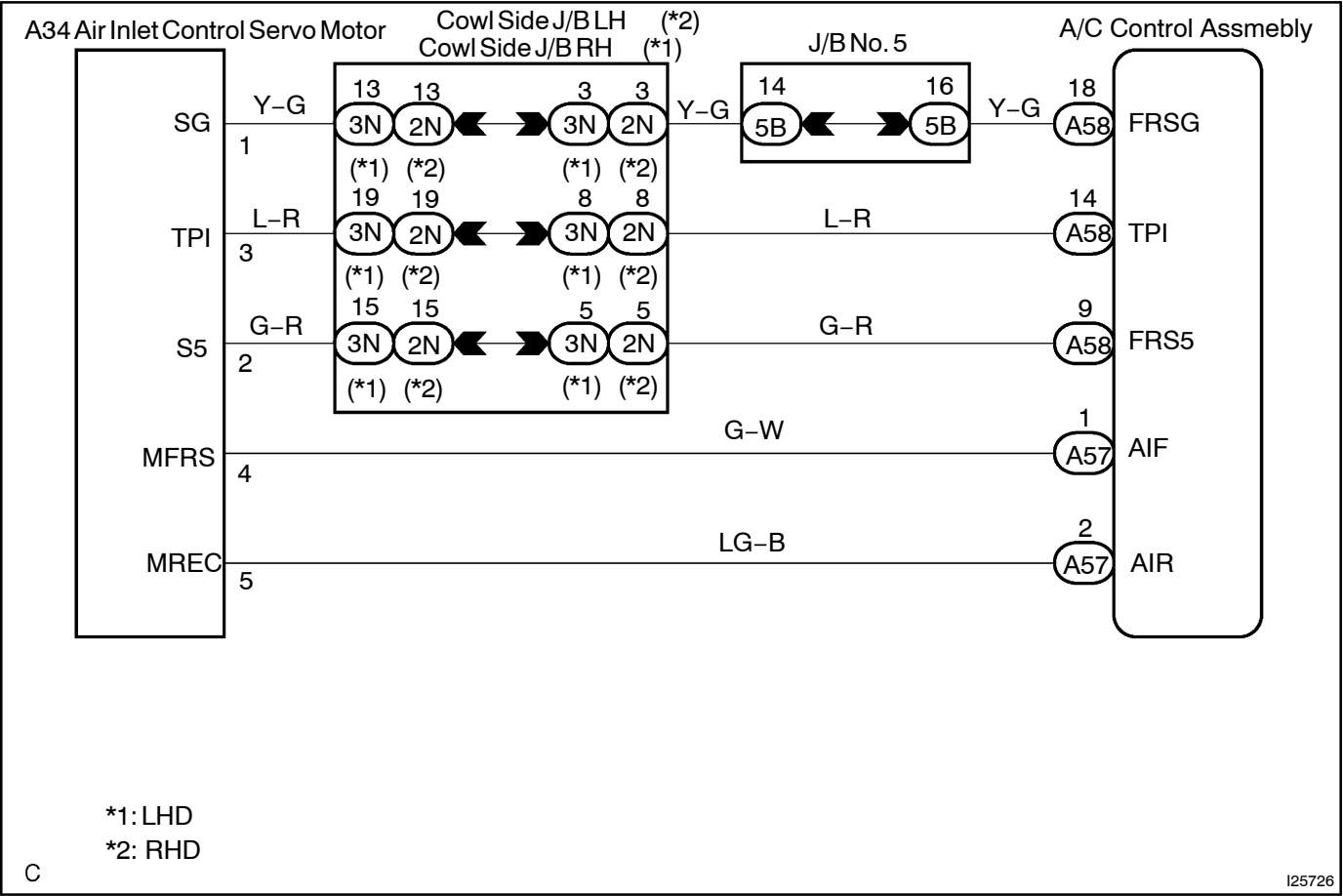
DTC	42	Air Inlet Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

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

DTC No.	Detection item	Trouble Area
42	Air inlet damper position sensor value does not change even if A/C amplifier operated air inlet damper control servomotor	<ul style="list-style-type: none"><li>• Air inlet damper control servomotor<ul style="list-style-type: none"><li>• Harness or connector between air inlet damper control servomotor and A/C amplifier</li></ul></li><li>• A/C amplifier</li></ul>

WIRING DIAGRAM



## INSPECTION PROCEDURE

<b>1</b>	<b>Actuator check.</b>
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### **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 inlet damper and the condition of the blower.

### **OK:**

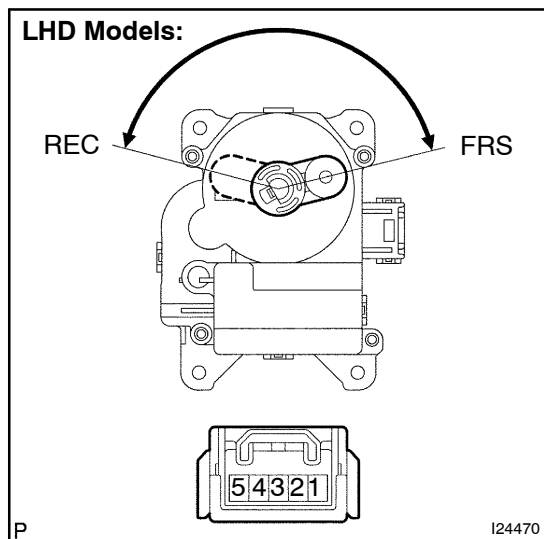
Display Code	Air Inlet Damper
0 – 1	FRESH
2	R/F (50%)
3	RECIRC
4 – 7	FRESH

**OK**

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

**NG**

## 2 Check air inlet damper control servomotor.



### **PREPARATION:**

Remove the air inlet servomotor.

### **CHECK:**

Connect positive (+) lead to terminal 5 and negative (-) lead to terminal 4.

### **OK:**

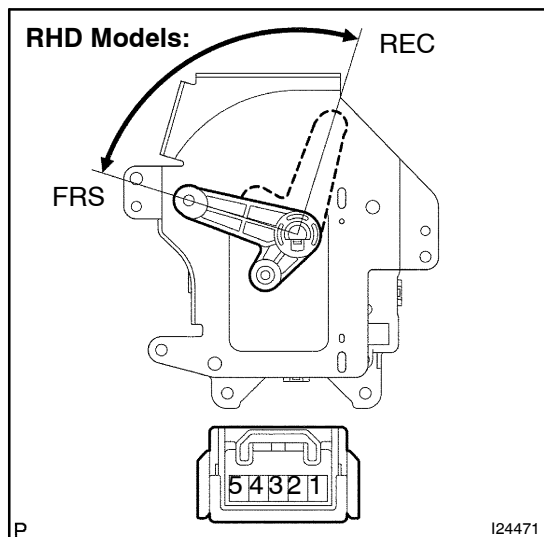
**The lever moves smoothly to REC position.**

### **CHECK:**

Connect positive (+) lead to terminal 4 and negative (-) lead to terminal 5.

### **OK:**

**The lever moves smoothly to FRS position.**



**NG**

**Replace air inlet servomotor.**

**OK**

## 3 Check harness and connector between air inlet damper control servomotor and A/C amplifier ([See page IN-38](#)).

**NG**

**Repair or replace harness or connector.**

**OK**

**Check and replace A/C amplifier.**