

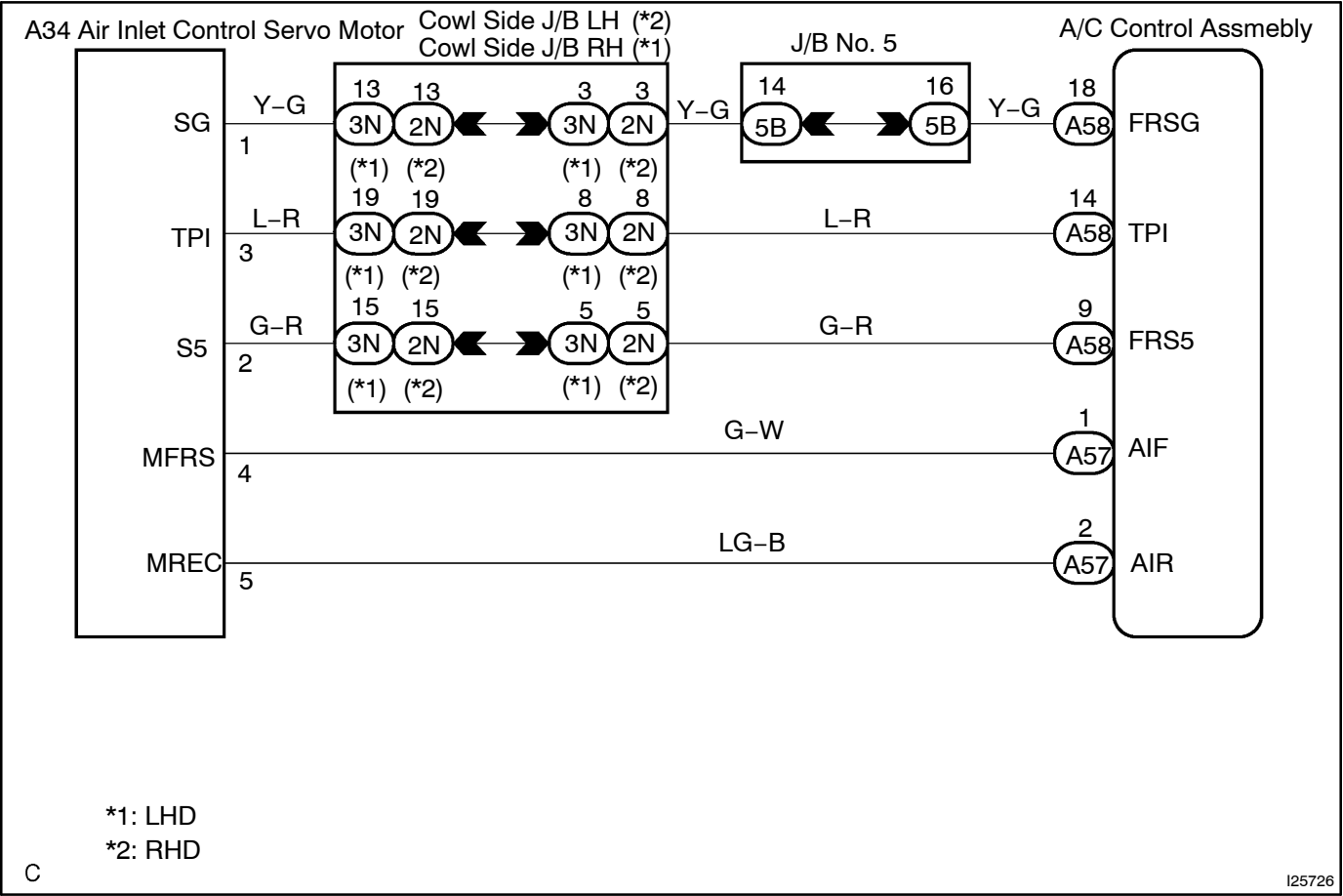
|     |    |                                             |
|-----|----|---------------------------------------------|
| DTC | 42 | Air Inlet Damper Control Servomotor Circuit |
|-----|----|---------------------------------------------|

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</li><li>• Harness or connector between air inlet damper control servomotor and A/C amplifier</li><li>• A/C amplifier</li></ul> |

WIRING DIAGRAM



## INSPECTION PROCEDURE

|          |                        |
|----------|------------------------|
| <b>1</b> | <b>Actuator check.</b> |
|----------|------------------------|

### **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:**

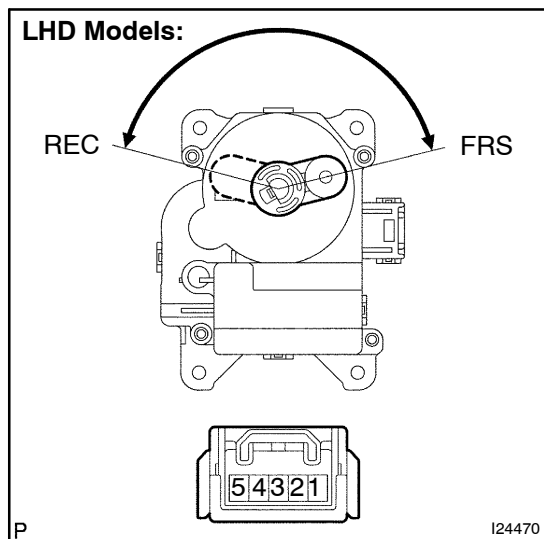
| Display Code | Air Inlet Damper |
|--------------|------------------|
| 0 – 1        | FRESH            |
| 2            | R/F (50%)        |
| 3            | RECIRC           |
| 4 – 7        | FRESH            |

**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:

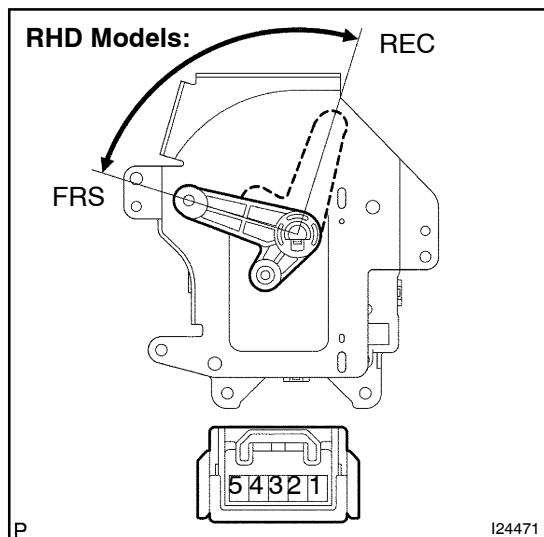
The lever moves smoothly to REC position.

### 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.