

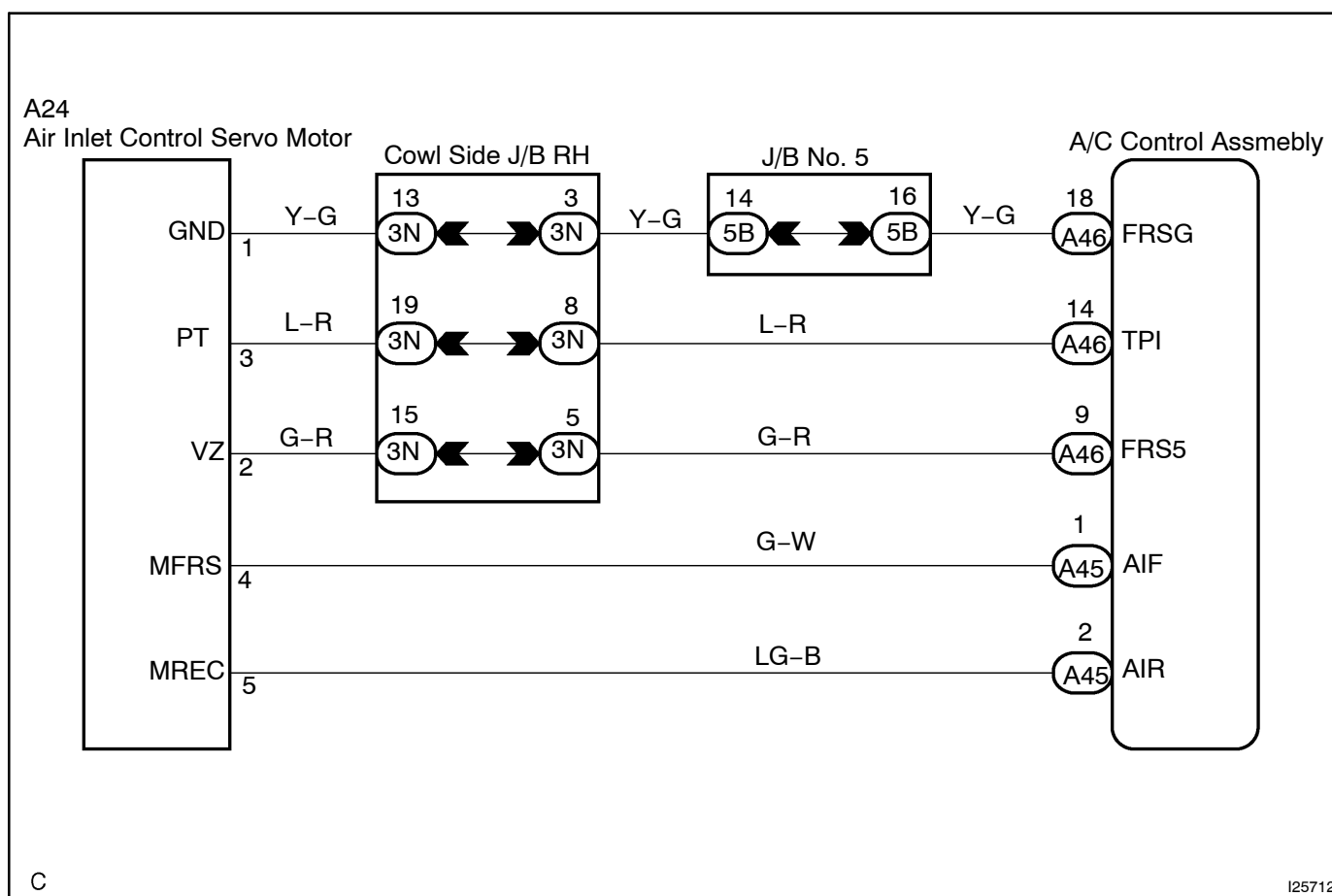
|            |           |                                                    |
|------------|-----------|----------------------------------------------------|
| <b>DTC</b> | <b>42</b> | <b>Air Inlet Damper Control Servomotor Circuit</b> |
|------------|-----------|----------------------------------------------------|

## 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

### 1 Actuator check.

#### **PREPARATION:**

- (a) Warm up the engine.
- (b) Set to actuator check mode (See page [DI-1074](#)).
- (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:**

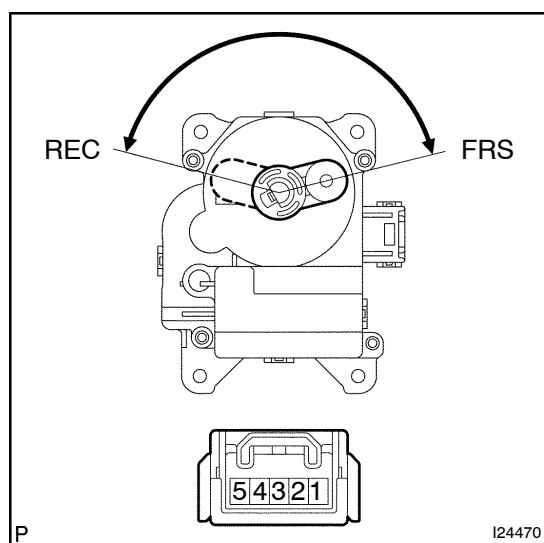
| Display Code | Air Inlet Damper |
|--------------|------------------|
| 0 – 1        | FRESH            |
| 2            | R/F (50%)        |
| 3            | RECIRC           |
| 4 – 7        | FRESH            |

**OK**

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-1086](#)).

**NG**

### 2 Check air inlet damper control servomotor.



#### **PREPARATION:**

Remove the air inlet servomotor (See page [AC-55](#)).

#### **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 <a href="#">IN-36</a> ). |
|---|------------------------------------------------------------------------------------------------------------------------------|

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Repair or replace harness or connector.

OK

Check and replace A/C amplifier.