

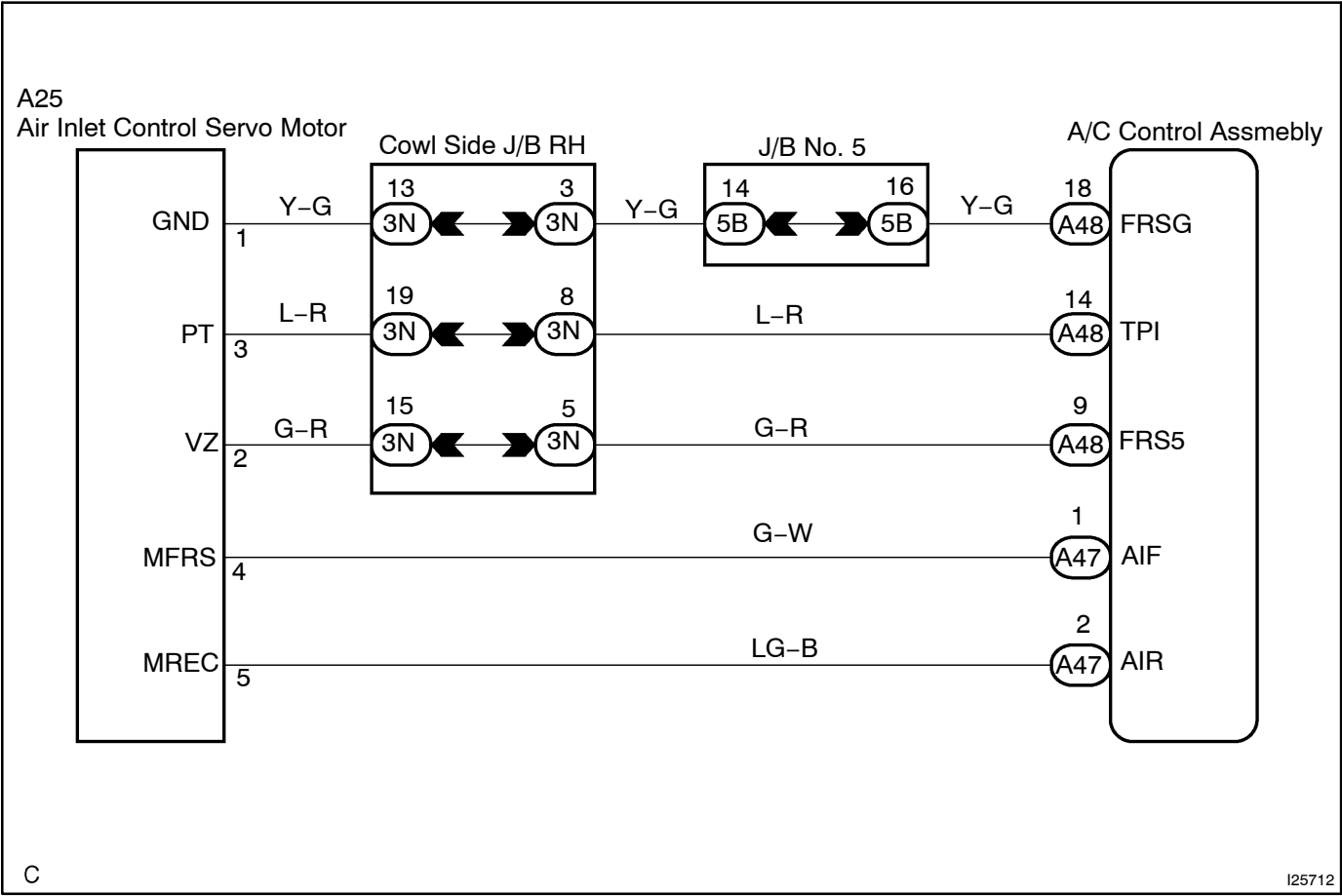
DTC	42	Air Inlet Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

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	• Air inlet damper control servomotor • Harness or connector between air inlet damper control servomotor and A/C amplifier • A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Actuator check.
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PREPARATION:

- (a) Warm up the engine.
- (b) Set to actuator check mode (See page [DI-1747](#)).
- (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:

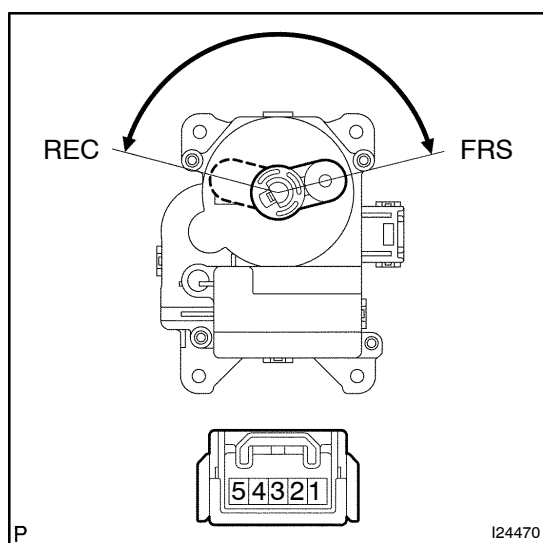
Display Code	Air inlet Damper
0 – 1	FRESH
2	R/F (50%)
3	RECIRC
4 – 7	FRESH

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-1758](#)).

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2	Check air inlet damper control servomotor.
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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.

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Replace air inlet servomotor.

OK

3	Check harness and connector between air inlet damper control servomotor and A/C amplifier (See page IN-36).
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Repair or replace harness or connector.

OK

Check and replace A/C amplifier.