DIAR8–01

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

WIRING DIAGRAM

*1: LHD
*2: RHD

C

I25726
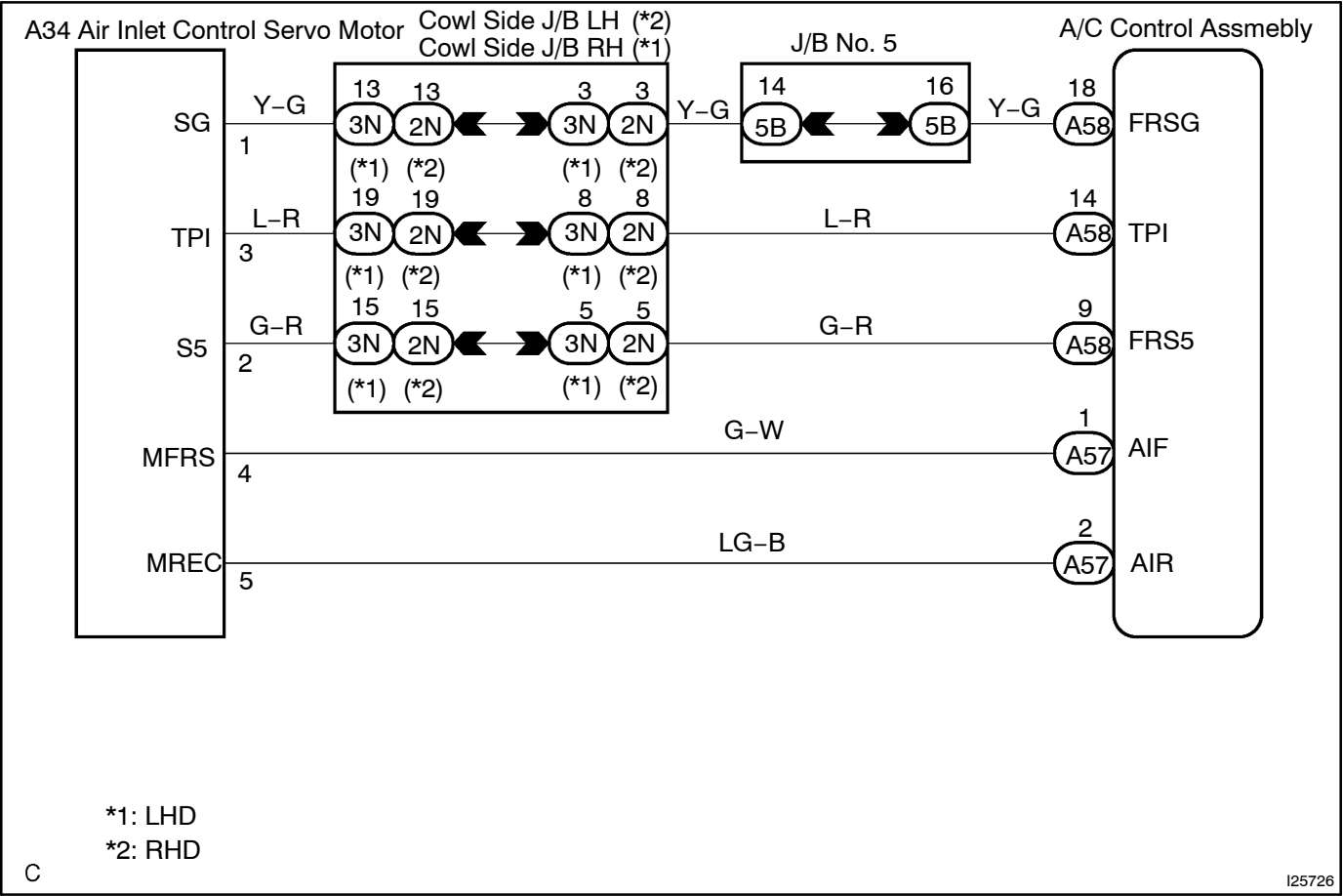
INSPECTION PROCEDURE

1	Actuator check.

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.

LHD Models:

REC ← → FRS

5 4 3 2 1
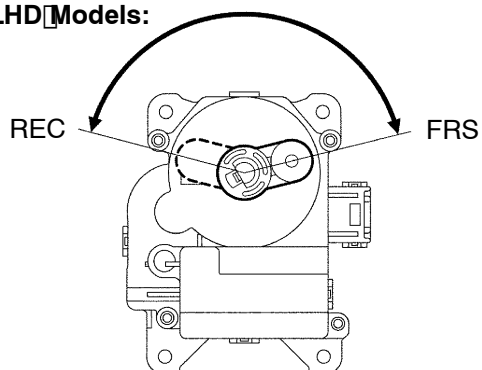
P   I24470

PREPARATION:
Remove the air inlet servomotor.
CHECK:
Connect positive (+) lead to terminal 5 and negative (−) lead to terminal 4.
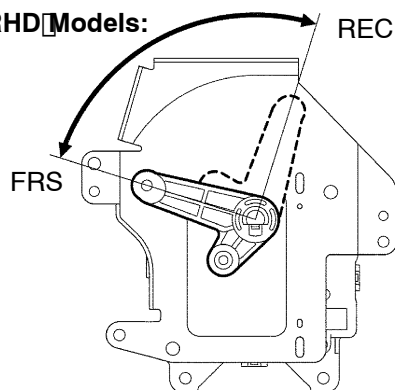**OK:**
    The lever moves smoothly to REC position.
CHECK:
Connect positive (+) lead to terminal 4 and negative (−) lead to terminal 5.
OK:
    The lever moves smoothly to FRS position.

RHD Models:

REC

FRS

5 4 3 2 1

P   I24471

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. |