

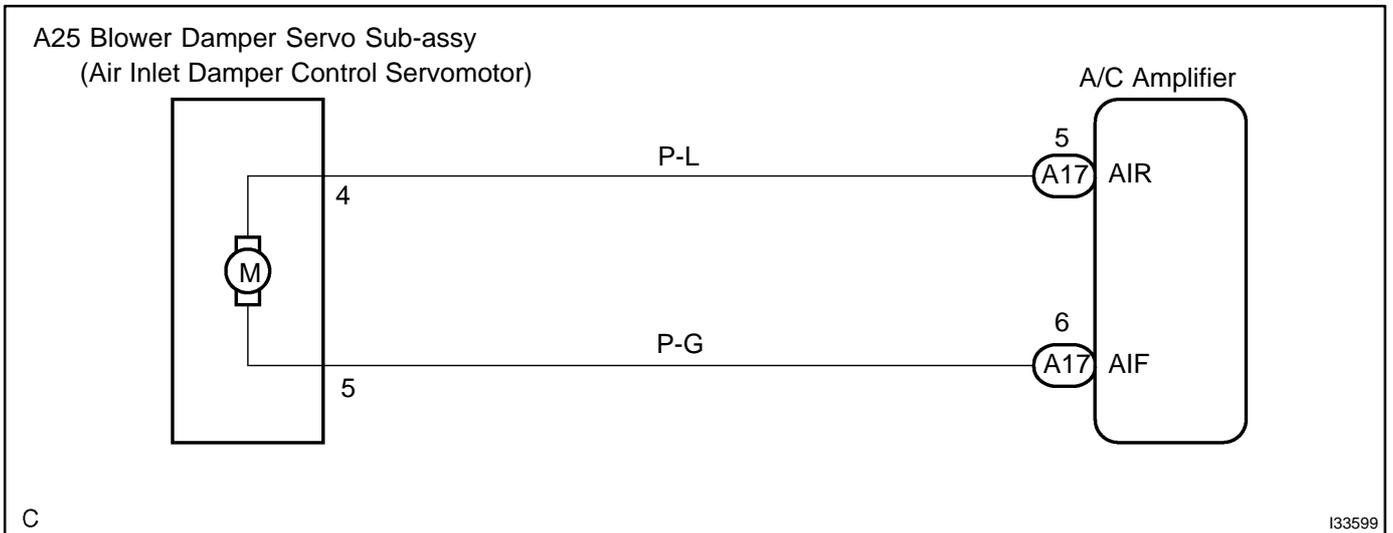
| | | |
|------------|-----------|--|
| DTC | 42 | AIR INLET DAMPER CONTROL SERVOMOTOR CIRCUIT |
|------------|-----------|--|

CIRCUIT DESCRIPTION

The blower damper servo sub-assy (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 operates air inlet control servomotor. | <ul style="list-style-type: none"> • Blower damper servo sub-assy (air inlet damper control servomotor) • Harness or connector between blower damper servo sub-assy (air inlet damper control servomotor) and A/C amplifier • A/C amplifier |

WIRING DIAGRAM



INSPECTION PROCEDURE

1 PERFORM ACTUATOR CHECK

- (a) Remove the glove compartment to see and check the recirculation damper operation.
- (1) Operate A/C control panel to enter the actuator check mode (See page [05-516](#)).
 - (2) Press the DEF switch and change it to step operation.
 - (3) Press the DEF switch in order, and visually check the recirculation damper operation.

Standard:

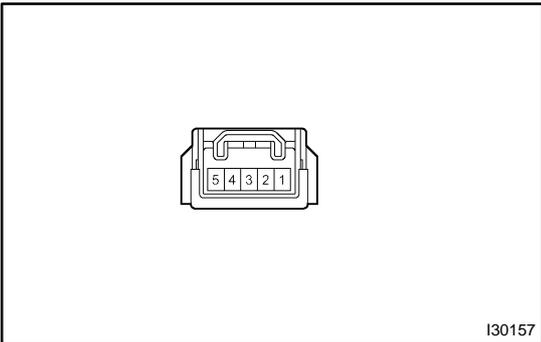
| Display code | Recirculation damper position |
|--------------|-------------------------------|
| 0 | RECIRCULATION |
| 1 | RECIRCULATION |
| 2 | FRESH/RECIRCULATION |
| 3 | FRESH/RECIRCULATION |
| 4 | FRESH |
| 5 | FRESH |
| 6 | FRESH |
| 7 | FRESH |
| 8 | FRESH |
| 9 | FRESH |

OK

**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN ON PROBLEM SYMPTOMS TABLE**

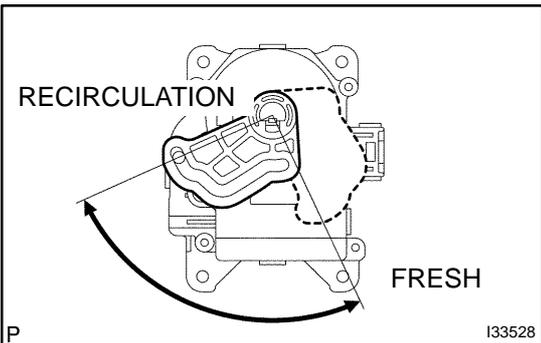
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2 INSPECT BLOWER DAMPER SERVO SUB-ASSY



- (a) Remove the blower damper servo sub-assy.
- (b) Connect the battery positive (+) lead to terminal 4 and the battery negative (-) lead to terminal 5, then check that the lever turns to "RECIRCULATION" side smoothly.
- (c) Connect the battery positive (+) lead to terminal 5 and the battery negative (-) lead to terminal 4, then check that the lever turns to "FRESH" side smoothly.

Standard: Motor operates smoothly.



NG → **REPLACE BLOWER DAMPER SERVO SUB-ASSY**

OK

3 CHECK HARNESS AND CONNECTOR(BETWEEN BLOWER DAMPER SERVO SUB-ASSY AND AIR CONDITIONER AMPLIFIER ASSY)

- (a) Check for open and short circuit in the harness and the connector between the blower damper servo sub-assy (air inlet dmpner control servomotor) and the A/C amplifier (See page 01-35).

NG → **REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

4 CHECK DIAGNOSTIC TROUBLE CODE

- (a) Start up the DTC check mode.
- (b) Check that DTC 42 is not output again.

Standard: DTC 42 is not output.

OK → **SYSTEM OK**

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CHECK AND REPLACE AIR CONDITIONING AMPLIFIER