

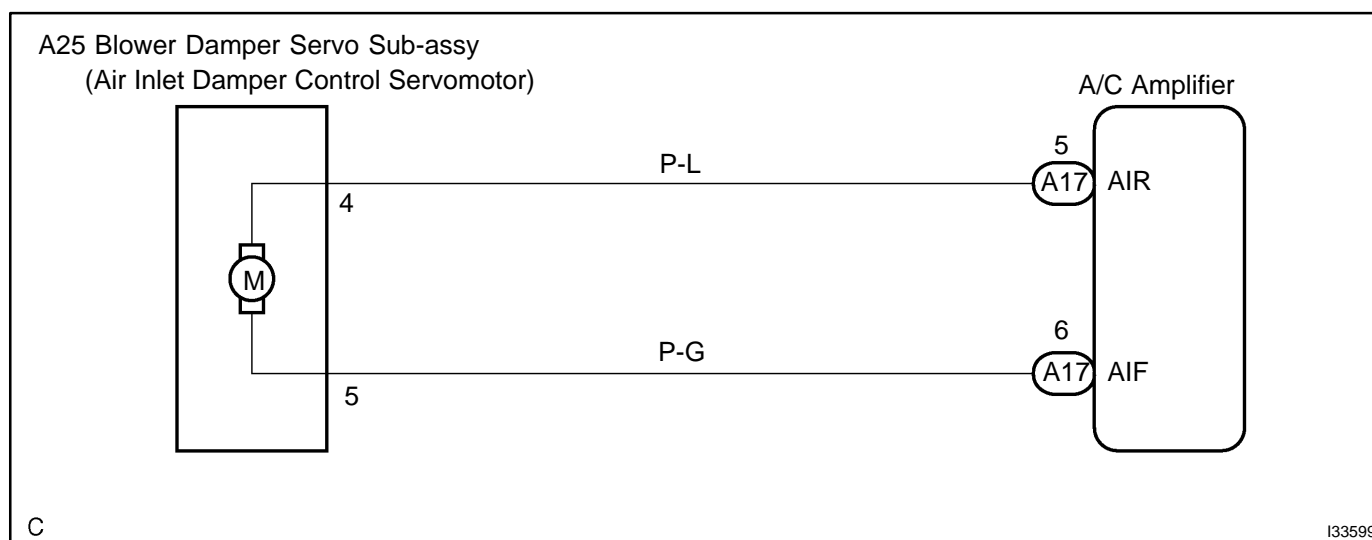
<b>DTC</b>	<b>42</b>	<b>AIR INLET DAMPER CONTROL SERVOMOTOR CIRCUIT</b>
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## CIRCUIT DESCRIPTION

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"> <li>• Blower damper servo sub-assy (air inlet damper control servomotor)</li> <li>• Harness or connector between blower damper servo sub-assy (air inlet damper control servomotor) and A/C amplifier</li> <li>• A/C amplifier</li> </ul>

## 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:

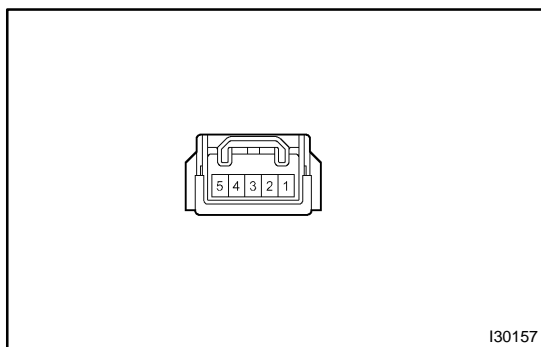
Display code	Recirculation damper position
0	RECIRCULATION
1	RECIRCULATION
2	FRESH/RECIRCULATION
3	FRESH/RECIRCULATION
4	FRESH
5	FRESH
6	FRESH
7	FRESH
8	FRESH
9	FRESH

OK

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

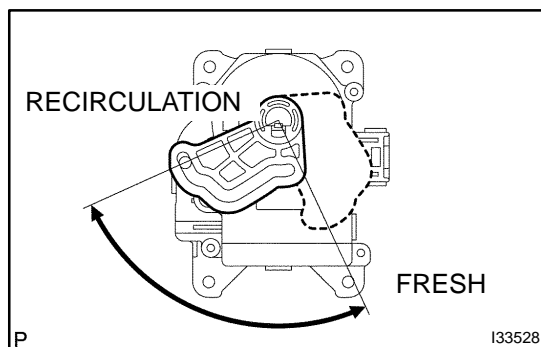
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## 2 INSPECT BLOWER DAMPER SERVO SUB-ASSY



- Remove the blower damper servo sub-assy.
- 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.
- 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.**



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**REPLACE BLOWER DAMPER SERVO SUB-ASSY**

OK

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

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

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**REPAIR OR REPLACE HARNESS OR CONNECTOR**

OK

## 4 CHECK DIAGNOSTIC TROUBLE CODE

- Start up the DTC check mode.
- 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