

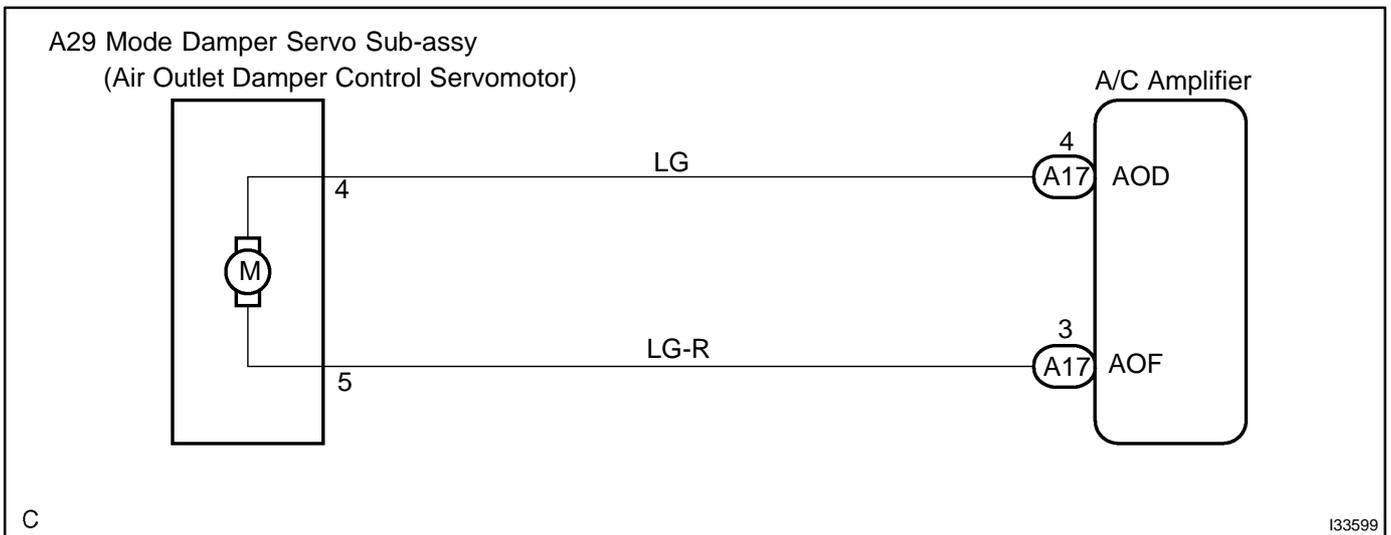
<b>DTC</b>	<b>43</b>	<b>AIR OUTLET DAMPER CONTROL SERVOMOTOR CIRCUIT</b>
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### CIRCUIT DESCRIPTION

This circuit turns the servomotor and changes each mode damper position by the signals from the A/C amplifier. When the AUTO switch is on, the A/C amplifier changes the mode automatically between (FACE), (BI-LEVEL) and (FOOT) according to the temperature setting.

DTC No.	Detection Item	Trouble Area
43	Air outlet damper position sensor value does not change even if A/C amplifier operated air outlet damper control servomotor.	<ul style="list-style-type: none"> <li>• Mode damper servo sub-assy (air outlet damper control servomotor)</li> <li>• Harness or connector between A/C amplifier and mode damper servo sub-assy (air outlet damper control servomotor)</li> <li>• A/C amplifier</li> </ul>

### WIRING DIAGRAM



## INSPECTION PROCEDURE

### 1 PERFORM ACTUATOR CHECK

- (a) Warm up engine.
- (b) Operate A/C control panel to enter actuator check mode (See page 05-516 ).
- (c) Press the DEF switch to enter the step operation.
- (d) Press the DEF switch, and check the air flow by hand.

#### Standard:

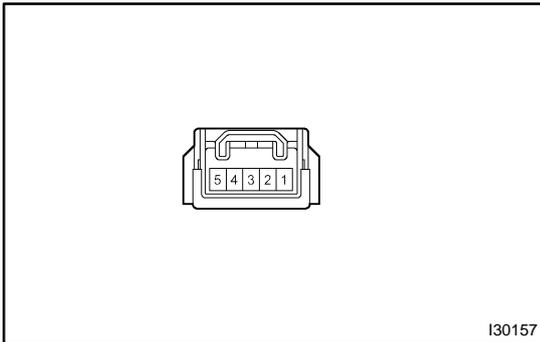
Display code	Air flow condition
0	FACE
1	FACE
2	B/L
3	B/L
4	FOOT
5	FOOT
6	FOOT
7	FOOT
8	FOOT/DEF
9	DEF

OK

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

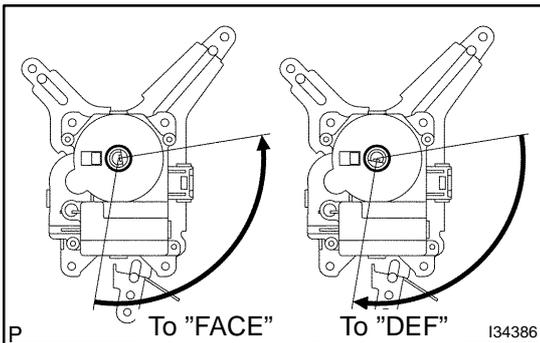
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## 2 INSPECT MODE DAMPER SERVO SUB-ASSY



- Remove the mode 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 "DEF" position smoothly.
- Connect the battery positive (+) lead to terminal 5 and the battery negative (-) lead to terminal 4, then check that the lever turn to "FACE" position smoothly.

**Standard: Motor operates is smoothly.**



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REPLACE MODE DAMPER SERVO SUB-ASSY

OK

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

- Check for open and short circuit in the harness and the connector between the mode damper servo sub-assy (air outlet 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 43 is not output again.

**Standard: DTC 43 is not output.**

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SYSTEM OK

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## CHECK AND REPLACE AIR CONDITIONING AMPLIFIER