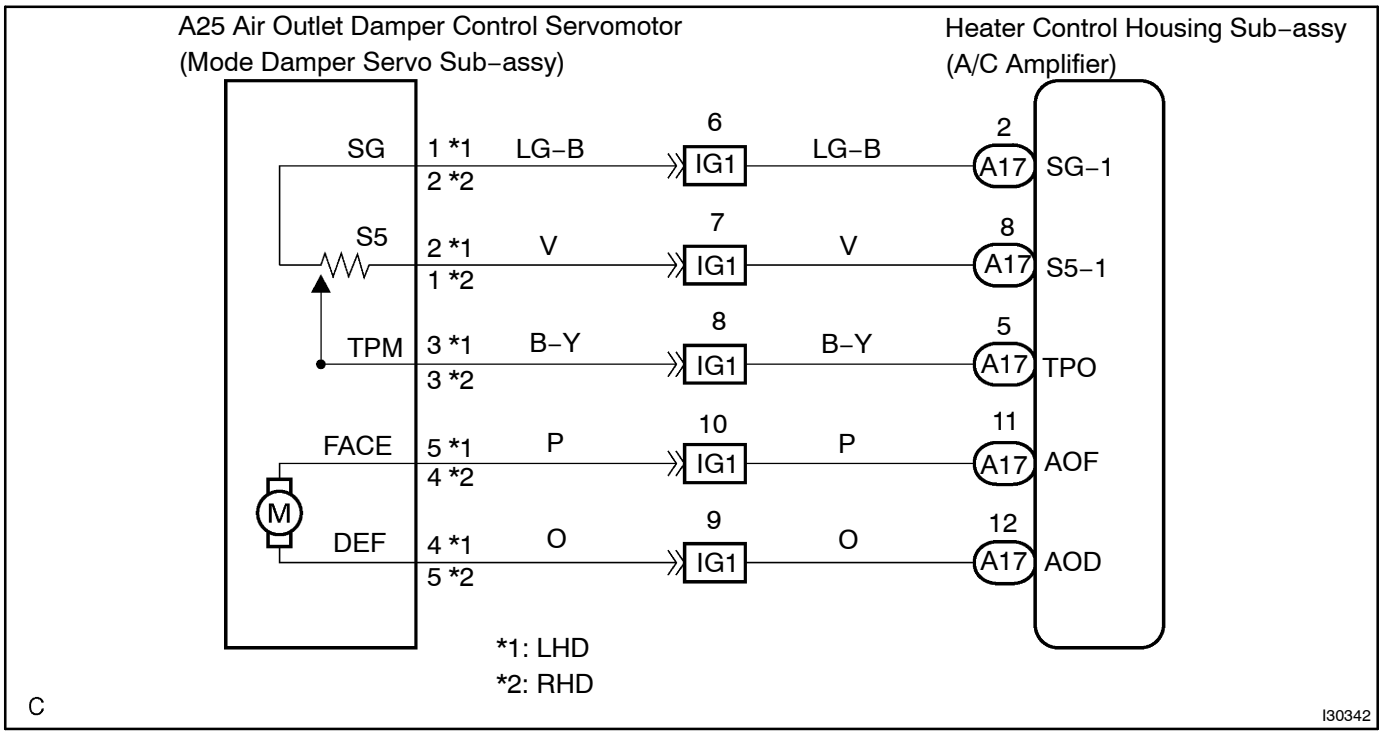
DTC	43	AIR OUTLET DAMPER CONTROL SERVOMOTOR CIRCUIT

CIRCUIT DESCRIPTION

This circuit turns the servomotor and changes each mode damper position by the signals from the air conditioner amplifier. When the AUTO switch is on, the air conditioner 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 air conditioner amplifier operated air outlet damper control servomotor.	• Air outlet damper control servomotor • Harness or connector between A/C amplifier and air outlet damper control servomotor • A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1	CHECK ACTUATOR

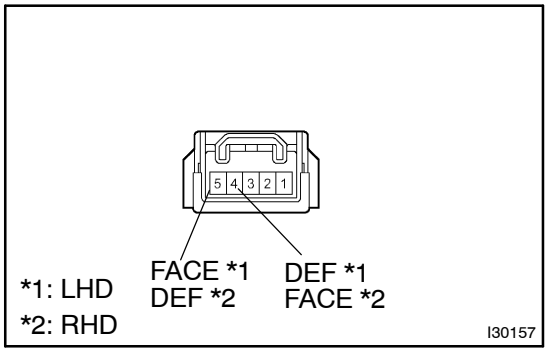
(a) Warm up engine.
(b) Set to actuator check mode (See page 05–687).
(c) Press the DEF switch and change it to step operation.
(d) Press the DEF switch and check that the air flow by hand.

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

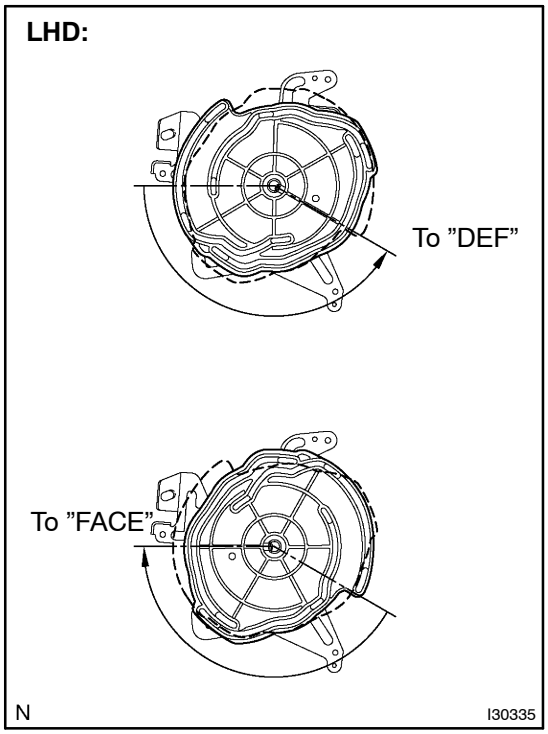
OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOM TABLE**

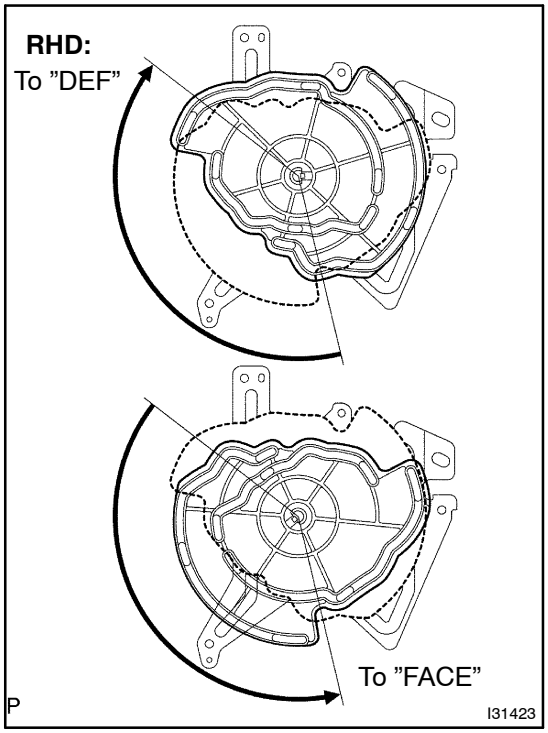
NG

2 INSPECT MODE DAMPER SERVO SUB–ASSY



(a) Remove the mode damper servo sub–assy.
(b) Connect the positive (+) lead from the battery to terminal DEF and negative (–) lead to terminal FACE then check that the lever turns to ”DEF” position.
(c) Connect the positive (+) lead from the battery to terminal FACE and negative (–) lead to terminal DEF then check that the lever turn to ”FACE” position.





NG	REPLACE MODE DAMPER SERVO SUB–ASSY

OK

3	CHECK HARNESS AND CONNECTOR(BETWEEN MODE DAMPER SERVO SUB–ASSY AND HEATER CONTROL HOUSING SUB–ASSY)

NG	REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

CHECK AND REPLACE HEATER CONTROL HOUSING SUB–ASSY