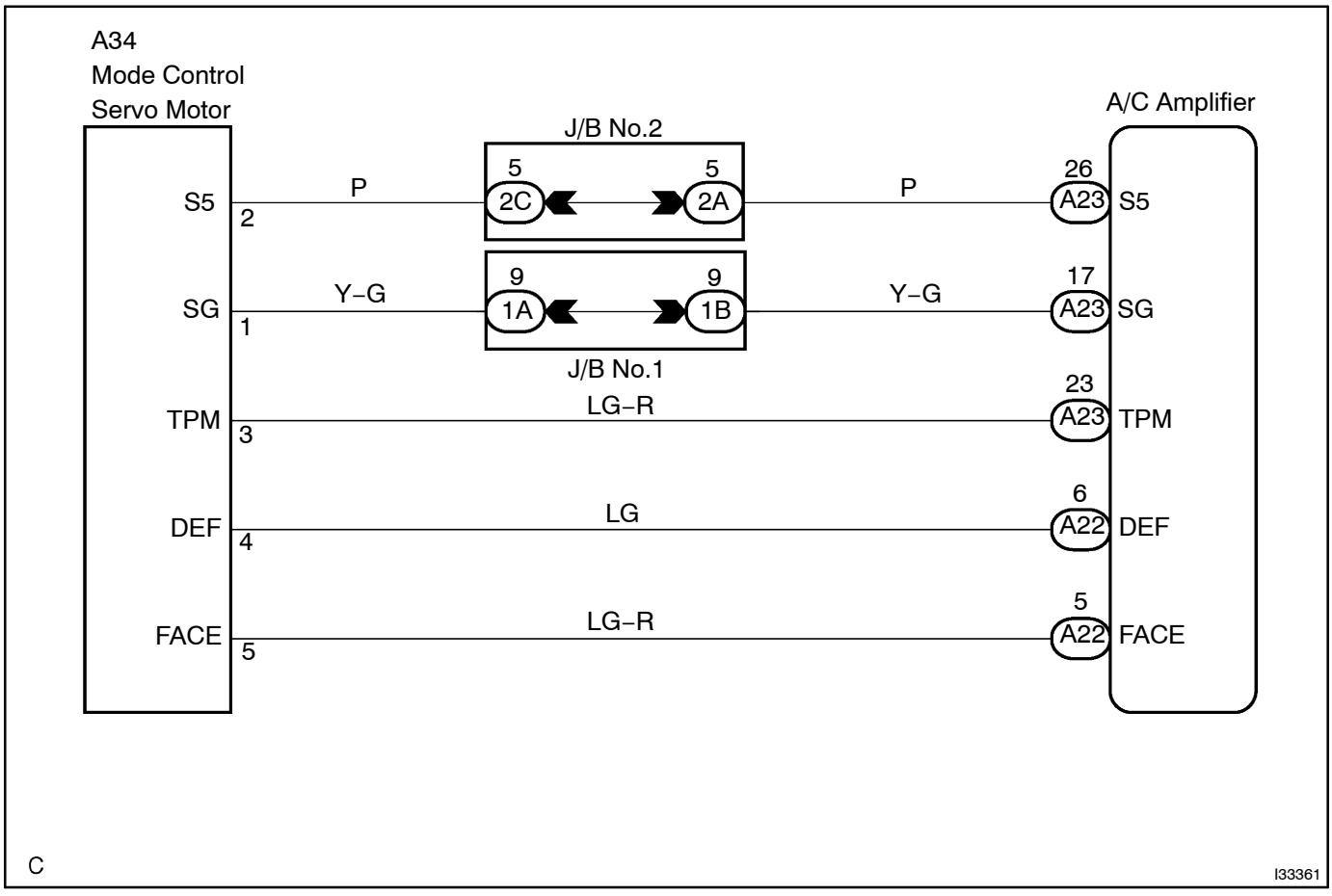
DTC	43	AIR OUTLET DAMPER CONTROL SERVOMOTOR CIRCUIT

CIRCUIT DESCRIPTION

This circuit turns the servomotor and changes each mode damper position by the signals from the A/C amplifier assy. 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 mode damper position sensor value does not change even if A/C amplifier operated mode damper control servomotor.	• Mode damper servo sub–assy • Harness or connector between mode damper servo sub–assy and A/C amplifier • A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1	PERFORM ACTUATOR CHECK

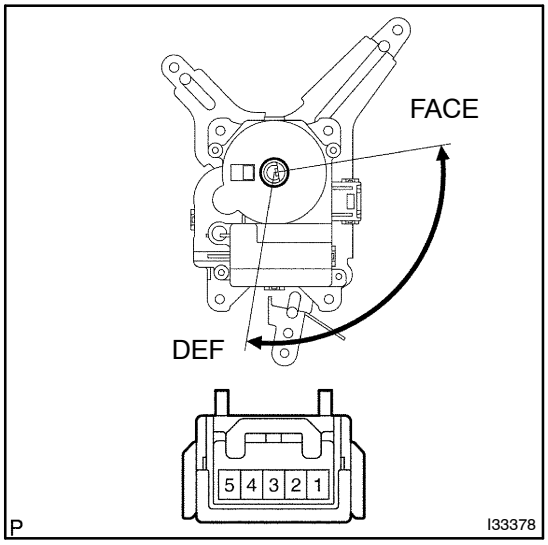
(a) Warm up engine.
(b) Set to actuator check mode (See page 05–1023).
(c) Press the UPDr switch and change it to step operation.
(d) Press the UPDr switch and check that the air flow by hand.

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

OK → **PROCEED TO NEXT CIRCUIT INSPECTION SHOWN ON PROBLEM SYMPTOMS 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 4 and negative (–) lead to terminal 5 then check that the lever turns to ”DEF” position.
(c) Connect the positive (+) lead from the battery to terminal 5 and negative (–) lead to terminal 4 then check that the lever turn to ”FACE” position.

NG → **REPLACE MODE DAMPER SERVO SUB–ASSY**

OK

3	CHECK HARNESS AND CONNECTOR(MODE DAMPER SERVO SUB–ASSY – A/C AMPLIFIER)

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

OK

CHECK AND REPLACE AIR CONDITIONING AMPLIFIER