

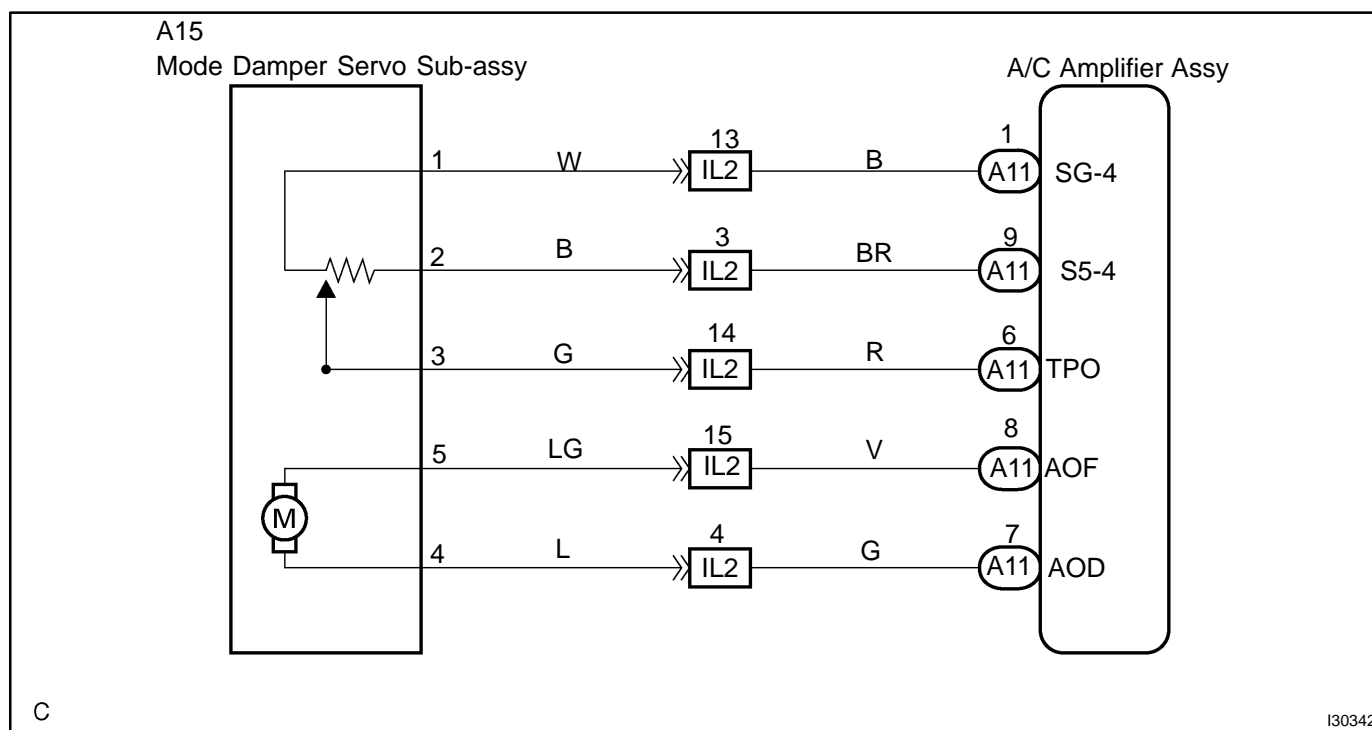
DTC	B1443/43	AIR OUTLET DAMPER CONTROL SERVOMOTOR CIRCUIT
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CIRCUIT DESCRIPTION

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

DTC No.	Detection Item	Trouble Area
B1443/43	Air outlet damper position sensor value does not change even if A/C amplifier assy operates air mode damper servo sub-assy.	<ul style="list-style-type: none"> • Mode damper servo sub-assy. • Harness or connector between mode damper servo sub-assy and A/C amplifier assy. • A/C amplifier assy.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 PERFORM ACTUATOR CHECK

- (a) Warm up engine.
- (b) Set to actuator check mode (see page 05-1 117).
- (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:

Air flow position changes in accordance with each display code.

Result:

NG	A
OK (Checking from the PROBLEM SYMPTOMS TABLE)	B
OK (Checking from the DTC)	C

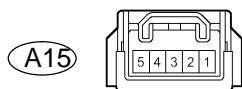
B

**PROCEED TO NEXT CIRCUIT INSPECTION
SHOWN IN PROBLEM SYMPTOMS TABLE (SEE
PAGE 05-1 129)**

C

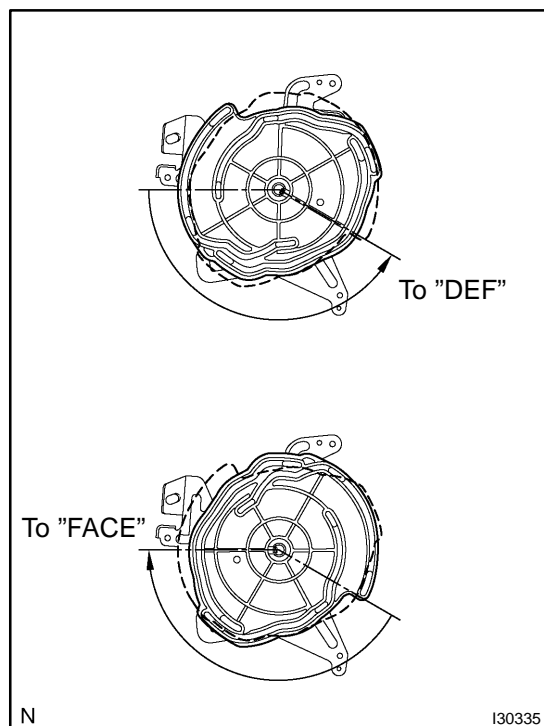
REPLACE AIRCONDITIONER AMPLIFIER ASSY

A

2 INSPECT MODE DAMPER SERVO SUB-ASSY**Mode Damper Servo Sub-assy
Connector Wire Harness View:**

I30157

- (a) Remove the air 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 turns to "FACE" position.



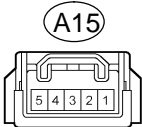
I30335

NG**REPLACE MODE DAMPER SERVO SUB-ASSY****OK**

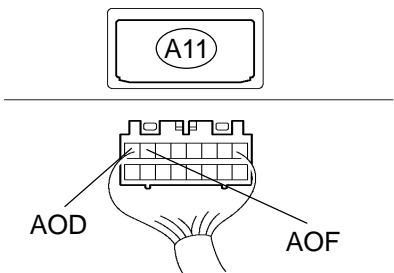
3

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

Mode Damper Servo Sub-assy
Wire Harness View:



A/C Amplifier Connector
Wire Harness View:



I41014

(a) Measure the resistance according to the value(s) in the table below.

Standard:

Tester connection	Condition	Specified condition
A11-8 (AOF) - A15-5	Always	Below 1 Ω
A11-7 (AOD) - A15-4	Always	Below 1 Ω
A11-8 (AOF) - Body ground	Always	10 kΩ or higher
A11-7 (AOD) - Body ground	Always	10 kΩ or higher

NG

REPAIR OR REPLACE HARNESS OR CONNECTOR

OK

REPLACE AIRCONDITIONER AMPLIFIER ASSY