

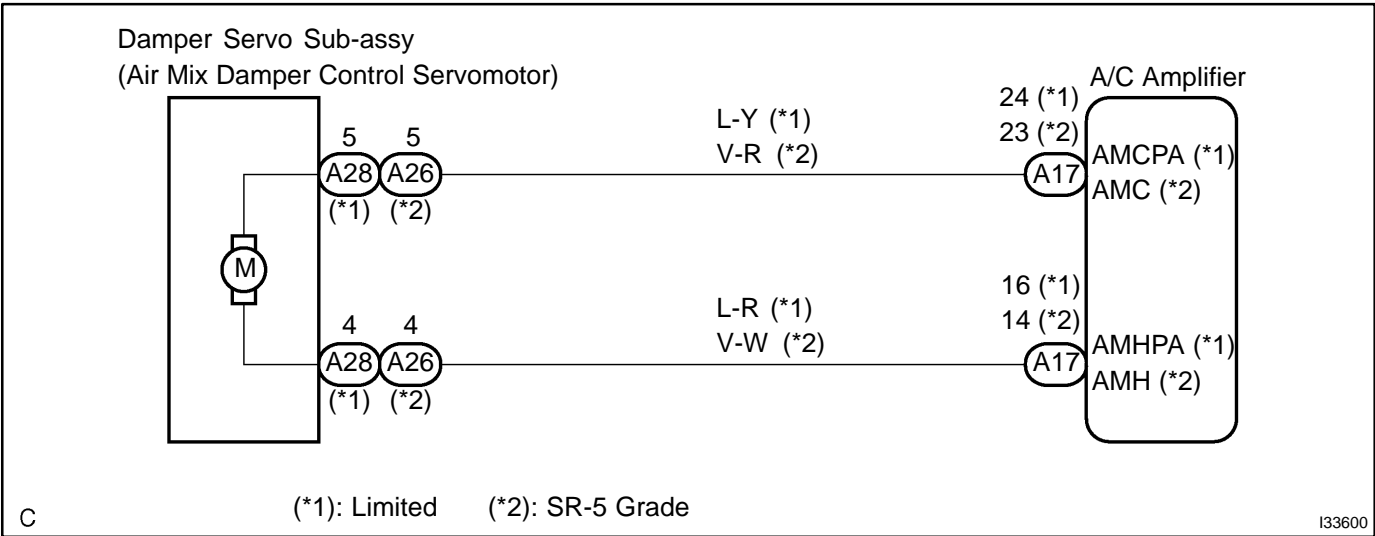
DTC	41	AIR MIX DAMPER CONTROL SERVOMOTOR CIRCUIT(PASSENGER SIDE)
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CIRCUIT DESCRIPTION

This damper servo sub-assy (air mix damper control servomotor) is controlled by the A/C amplifier and moves the air mix damper to the desired position.

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

WIRING DIAGRAM



INSPECTION PROCEDURE

1 PERFORM ACTUATOR CHECK

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

Standard:

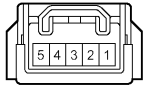
Display Code	Air Mix Damper Operation
0	COLD side (0 % open)
1	COLD side (0 % open)
2	COLD side (0 % open)
3	COLD/HOT (50 % open)
4	COLD/HOT (50 % open)
5	COLD/HOT (50 % open)
6	HOT side (100 % open)
7	HOT side (100 % open)
8	HOT side (100 % open)
9	HOT side (100 % open)

OK

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

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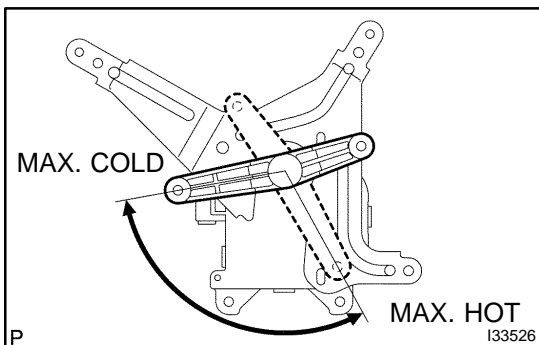
2 INSPECT DAMPER SERVO SUB-ASSY



I30157

- Remove the damper servo sub-assy (LH).
- Connect the battery positive (+) lead to terminal 4 and the battery negative (-) lead to terminal 5, then check that the lever turns to "COLD" 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 "HOT" side smoothly.

Standard: Motor operates is smoothly.



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REPLACE DAMPER SERVO SUB-ASSY

OK

3 CHECK HARNESS AND CONNECTOR(BETWEEN DAMPER SERVO SUB-ASSY AND AIR CONDITIONING AMPLIFIER)

- Check for open and short circuit in the harness and the connector between the damper servo sub-assy (air mix 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 41 is not output again.

Standard: DTC 41 is not output.

OK

SYSTEM OK

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CHECK AND REPLACE AIR CONDITIONING AMPLIFIER