

DTC	RrACSW, M1	Rear Air Mix Damper Control Servomotor Circuit
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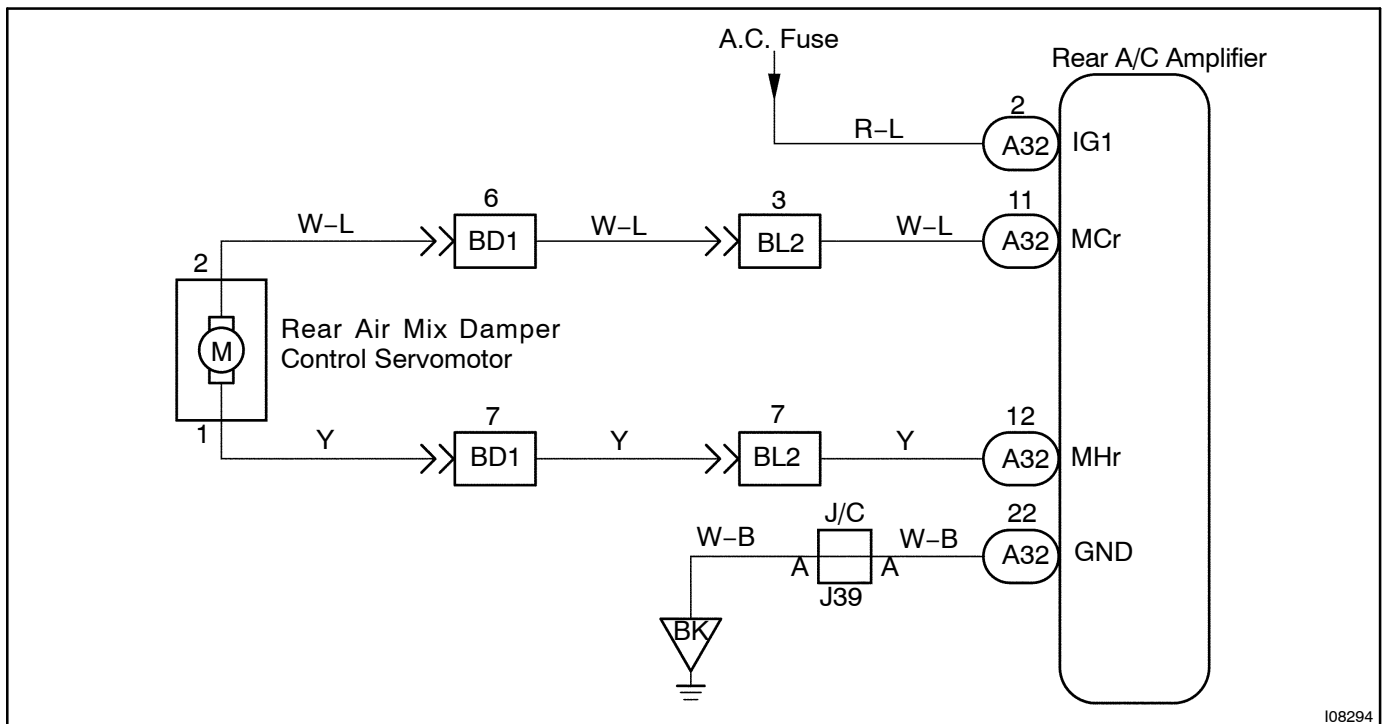
DTC	47	Rear Air Mix Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

The rear air mix damper control servomotor is controlled by the A/C control assembly and moves the air mix damper to the desired position.

Blinking light	Detection Item	Trouble Area
RrACSW, M1	Air mix damper position sensor value does not change even if A/C control assembly operates air mix damper control servomotor.	• Rear air mix damper control servomotor • Rear air mix damper position sensor • Harness or connector between rear air mix control servomotor and rear A/C amplifier • Rear A/C amplifier
DTC No.	Detection Item	Trouble Area
47	Air mix damper position sensor value does not change even if A/C control assembly operates air mix damper control servomotor.	• Rear air mix damper control servomotor • Rear air mix damper position sensor • Harness or connector between rear air mix control servomotor and rear A/C amplifier • Rear A/C amplifier

WIRING DIAGRAM



I08294

INSPECTION PROCEDURE

HINT:

In case of w/ Navigation system, start the inspection step 1 and in case of w/o Navigation system, start the inspection step 2.

1	Actuator check.
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PREPARATION:

- (a) Warm up the engine.
- (b) Set the actuator check mode (See page [DI-875](#)).
- (c) Press the UPDr switch and change it to step operation.

CHECK:

Press the UPDr switch and check the operation of the air mix damper and the condition of the blower.

OK:

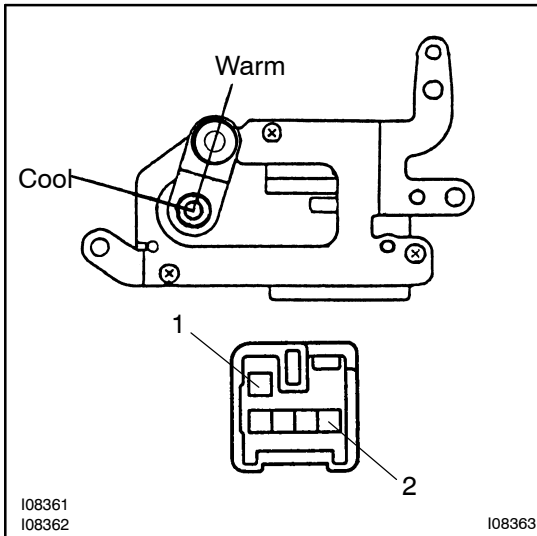
Display Code	Air Mix Damper	Condition
0 – 3	0 % (Fully closed)	Cool air comes out
4 – 5	50 %	
6 – 9	100 % (Full opened)	Warm air comes out

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-891](#)).

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2 Check rear air mix damper control servomotor.



PREPARATION:

Remove the rear air mix damper control servomotor (See page [AC-50](#)).

CHECK:

Connect positive (+) lead to terminal 1 and negative (-) lead to terminal 2.

OK:

The lever turns smoothly to Warm side.

CHECK:

Connect positive (+) lead to terminal 2 and negative (-) lead to terminal 1.

OK:

The lever turns smoothly to Cool side.

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Replace rear air mix damper control servomotor assembly.

OK

3 Check harness and connector between rear A/C amplifier and rear air mix damper control servomotor assembly (See page [IN-34](#)).

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Repair or replace harness or connector.

OK

Check and replace rear A/C amplifier.