

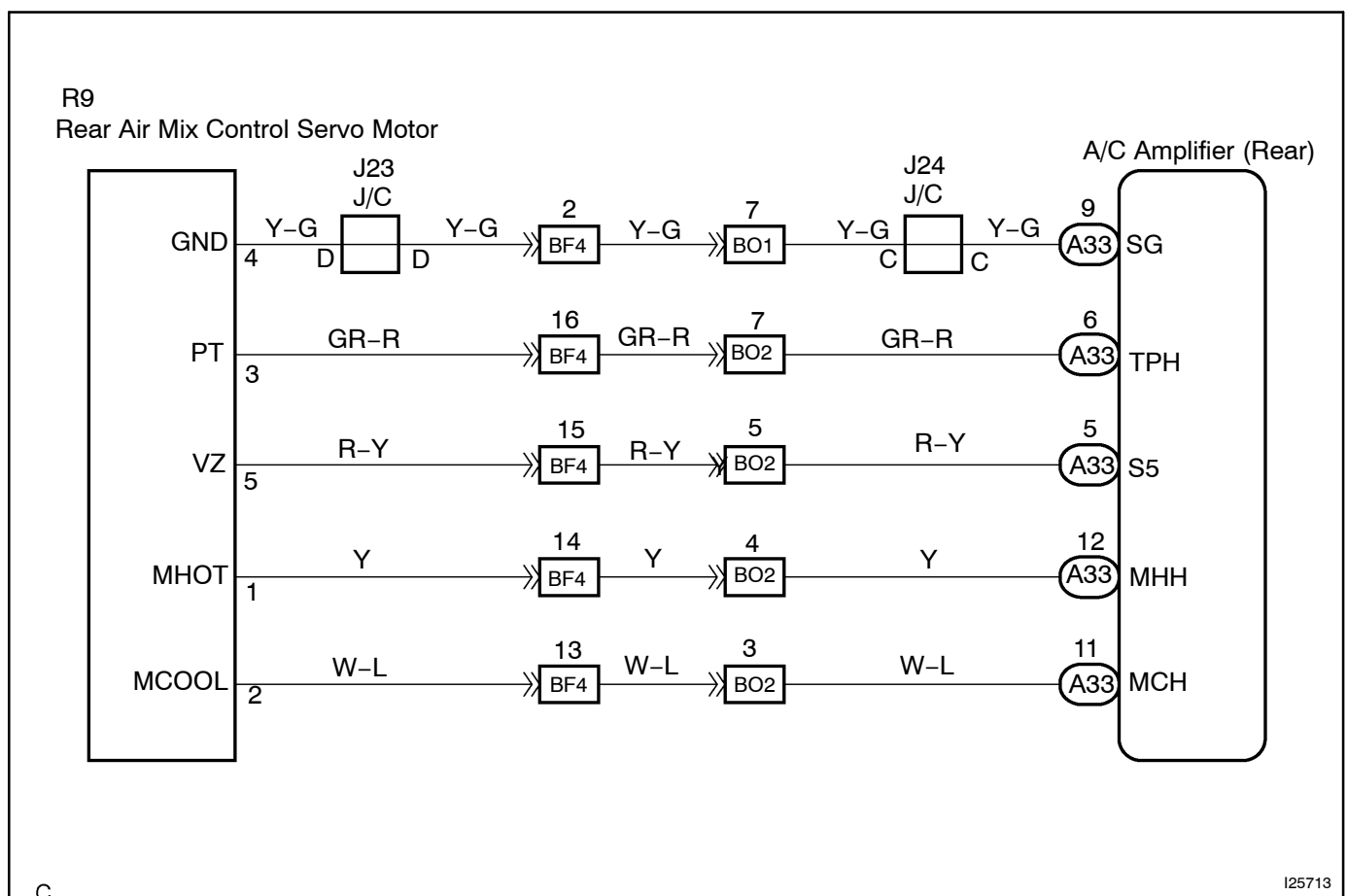
DTC	47	Rear Air Mix Damper Control Servomotor Circuit
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CIRCUIT DESCRIPTION

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

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 • Harness or connector between rear air mix control servomotor and rear A/C amplifier • Rear A/C amplifier

WIRING DIAGRAM



INSPECTION PROCEDURE

1	Actuator check.
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PREPARATION:

- (a) Warm up the engine.
- (b) Set to actuator check mode (See page [DI-1518](#)).
- (c) Press the DEF switch and change it to step operation.

CHECK:

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

OK:

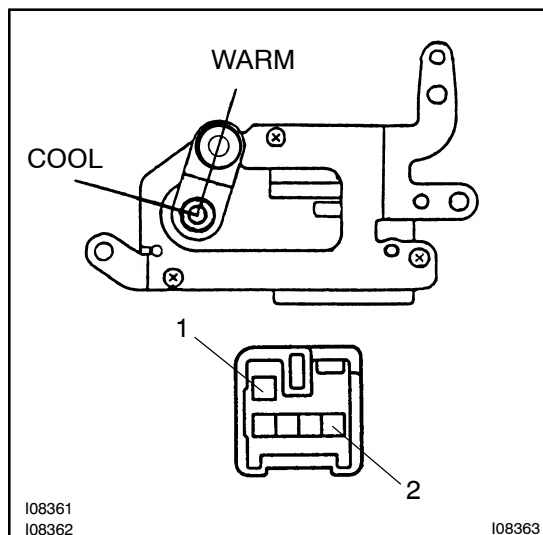
Display Code	Air Mix Damper	Condition
0 – 2	0% (Fully closed)	Cool air comes out
3 – 4	50%	–
5 – 7	100% (Full opened)	Warm air comes out

OK

Proceed to next circuit inspection shown on problem symptoms table (See page [DI-1529](#)).

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2	Check rear air mix damper control servomotor.
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PREPARATION:

Remove the rear air mix servomotor (See page [AC-49](#)).

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 servomotor.

OK

3	Check harness and connector between rear air mix damper control servomotor and rear A/C amplifier (See page IN-36).
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NG**Repair or replace harness or connector.****OK****Check and replace rear A/C amplifier.**