

DTC	RrDEF, M2	Air Inlet Damper Control Servomotor Circuit
-----	-----------	---

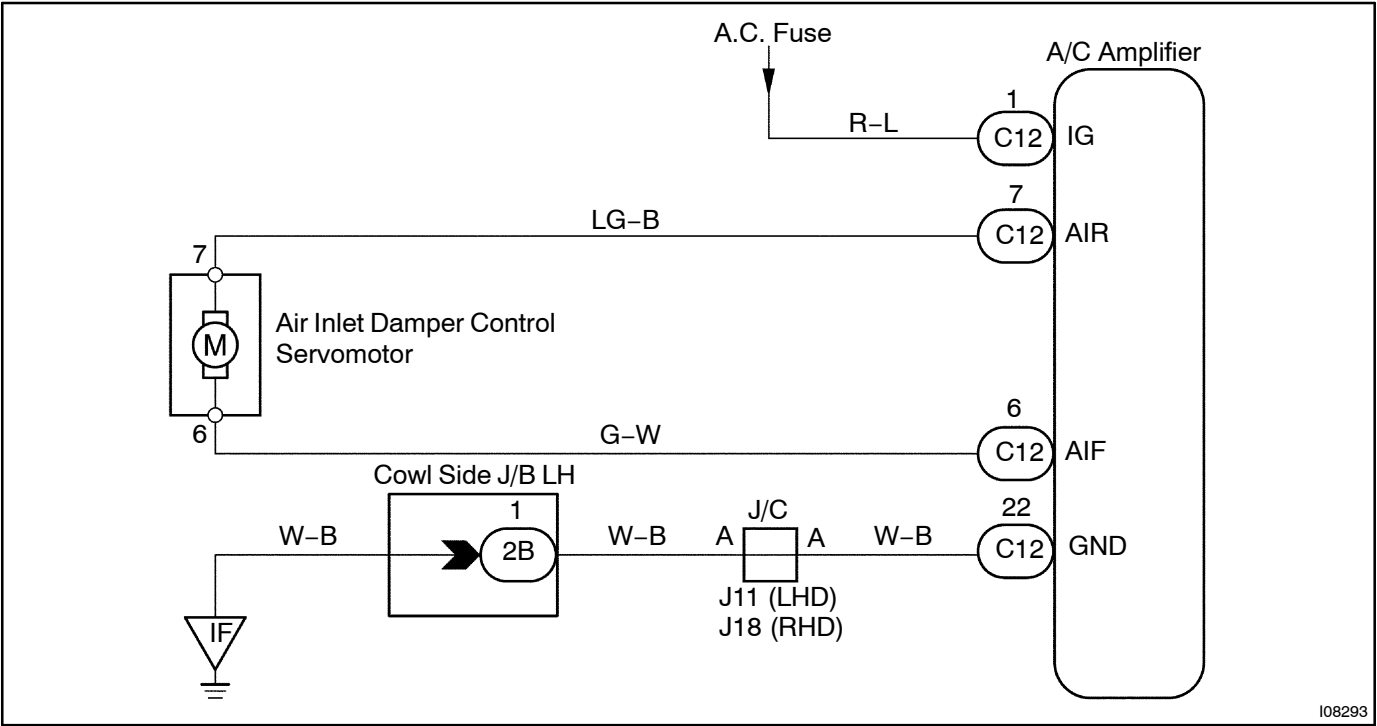
DTC	42	Air Inlet Damper Control Servomotor Circuit
-----	----	---

CIRCUIT DESCRIPTION

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

Blinking light	Detection item	Trouble Area
RrDEF M2	Air inlet damper position sensor value does not change even if A/C amplifier operated air inlet damper control servomotor.	• Air inlet damper position sensor • Harness or connector between air inlet damper control servomotor assembly and A/C amplifier • A/C amplifier
DTC No.	Detection item	Trouble Area
42	Air inlet damper position sensor value does not change even if A/C amplifier operated air inlet damper control servomotor.	• Air inlet damper position sensor • Harness or connector between air inlet damper control servomotor assembly and A/C amplifier • A/C amplifier

WIRING DIAGRAM



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.
---	------------------------

PREPARATION:

- (a) Warm up the engine.
- (b) Set the actuator check mode ([See page DI-115](#))
- (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:

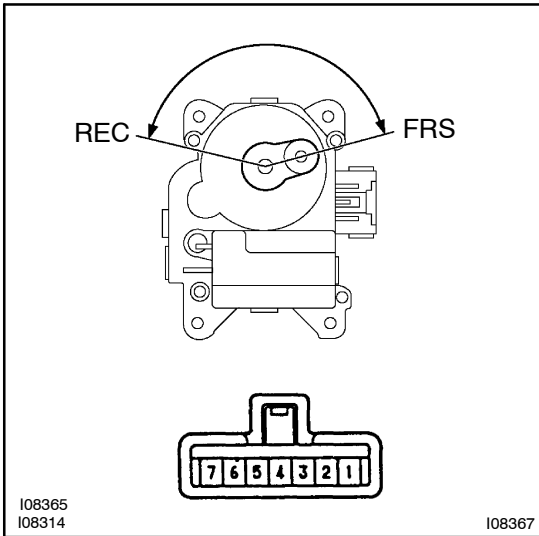
Display Code	Air Mix Damper	Condition
0 – 3	0 % (Fully closed)	Cool air comes out
4 – 5	50 %	
6 – 9	100 % (Full opened)	Warm air comes out

OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-130](#))

NG

2 Check air inlet damper control servomotor.



PREPARATION:

- Remove air inlet servomotor.
- Disconnect the air inlet damper control servomotor assembly connector.

CHECK:

Connect positive (+) lead to terminal 7 and negative (–) lead to terminal 6.

OK:

The lever moves smoothly to REC position.

CHECK:

Connect positive (+) lead to terminal 6 and negative (–) lead to terminal 7.

OK:

The lever moves smoothly to FRS position.

NG

Replace air inlet damper control servomotor assembly.

OK

3 Check harness and connector between A/C amplifier and air inlet damper control servomotor (See page IN-34).

NG

Repair or replace harness or connector.

OK

Check and replace A/C amplifier.