

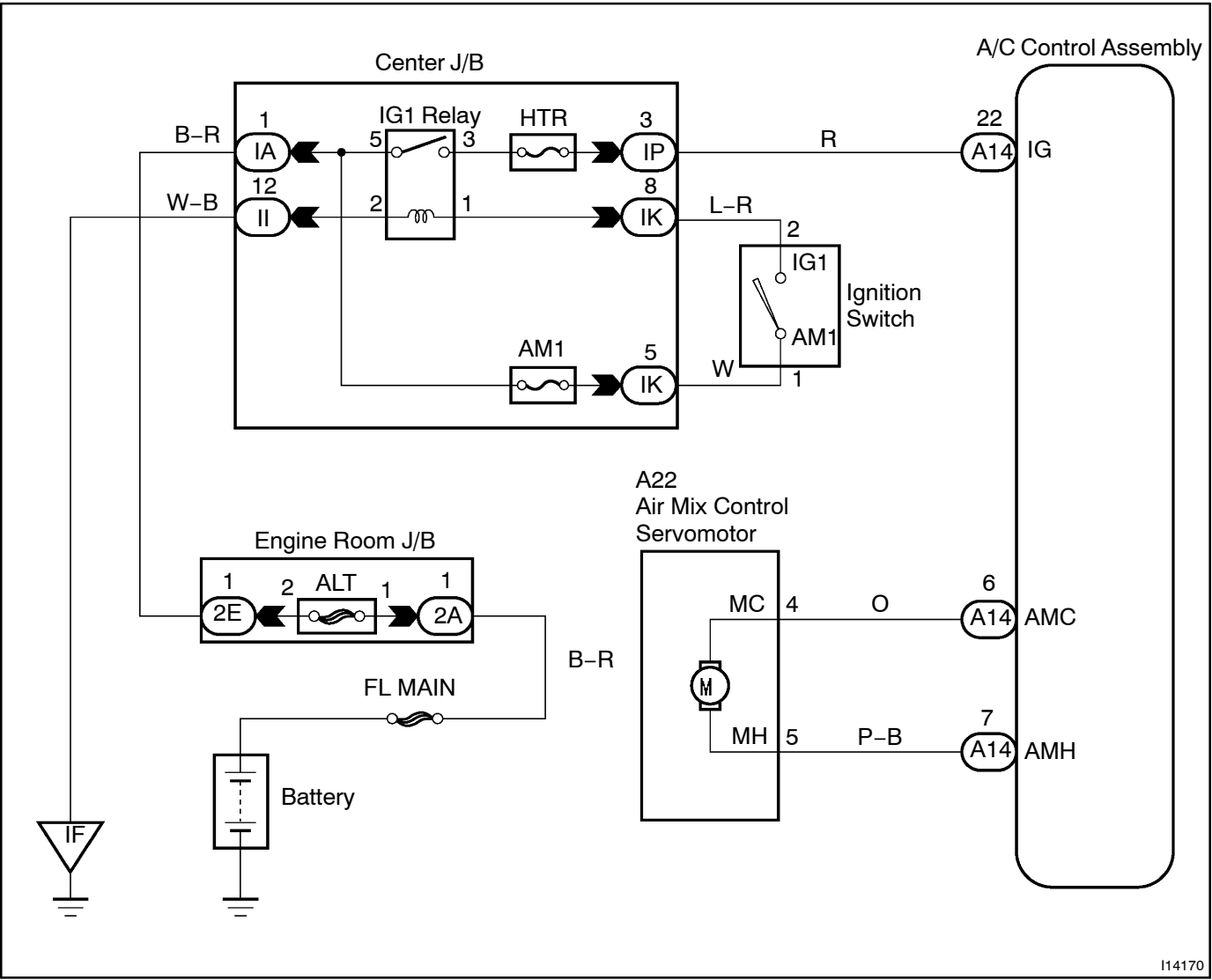
DTC	41	Air Mix Control Servomotor Circuit
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CIRCUIT DESCRIPTION

This air mix control servomotor is controlled by the A/C control assembly 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 control assembly operates air mix control servomotor.	• Air mix control servomotor. • Air mix damper position sensor. • Harness or connector between A/C control assembly and air mix control servomotor, air mix damper position sensor. • A/C control assembly.

WIRING DIAGRAM



INSPECTION PROCEDURE

1 Actuator check.

PREPARATION:

- (a) Warm up the engine.
- (b) Set to the actuator check mode ([See page DI-425](#)).
- (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:

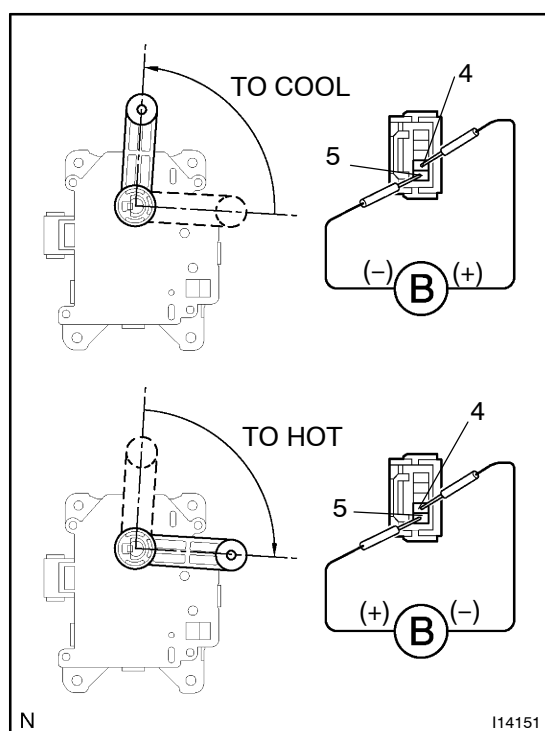
Display Code	Air Mix Damper	Condition
0 – 3	0 % (Fully closed)	Cool air comes out
4 – 6	50 %	
7 – 9	100 % (Fully opened)	Warm air comes out

OK

Proceed to next circuit inspection shown on problem symptoms table ([See page DI-432](#)).

NG

2 Check air mix control servomotor.



PREPARATION:

Remove air mix control servomotor ([See page AC-54](#)).

CHECK:

Connect positive (+) lead to terminal 4 and the negative (-) lead to terminal 5.

OK:

The lever turns smoothly to COOL side.

CHECK:

Connect negative (-) lead to terminal 4 and positive (+) lead to terminal 5.

OK:

The lever turns smoothly to HOT side.

NG

Replace air mix control servomotor.

OK

3**Check harness and connector between A/C control assembly and air mix control servomotor (See page IN-30).****NG****Repair or replace harness or connector.****OK****Check and replace A/C control assembly (See page IN-30).**