DI6SA–01

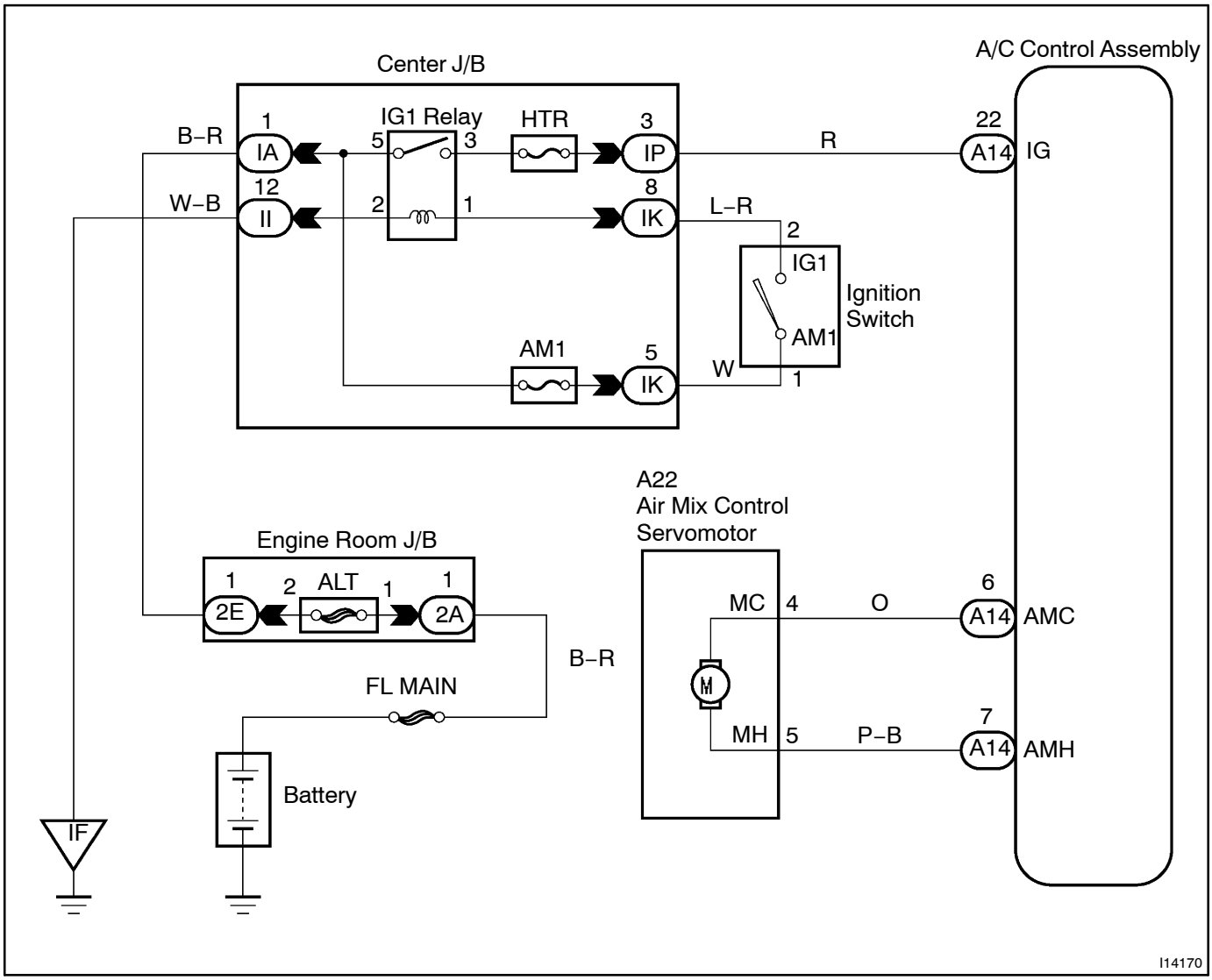
| DTC | 41 | Air Mix Control Servomotor Circuit |
|---|---|---|

## 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.<br>• Air mix damper position sensor.<br>• Harness or connector between A/C control assembly and air mix control servomotor, air mix damper position sensor.<br>• 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.

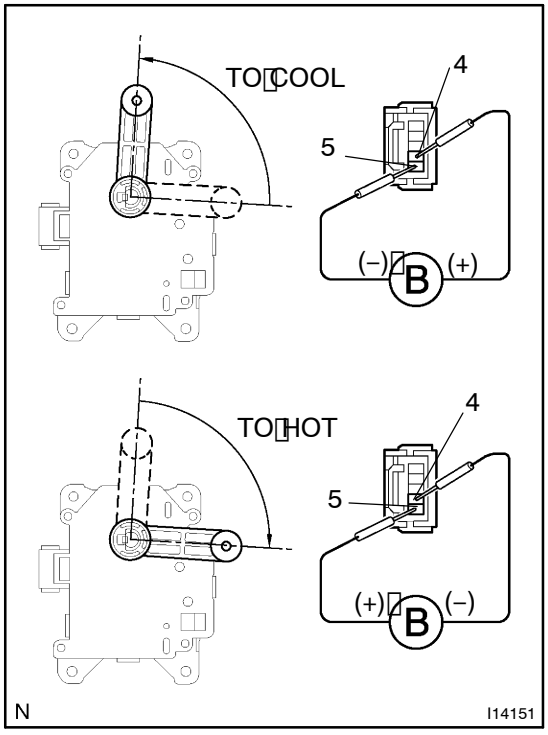
**OK:**

| 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).