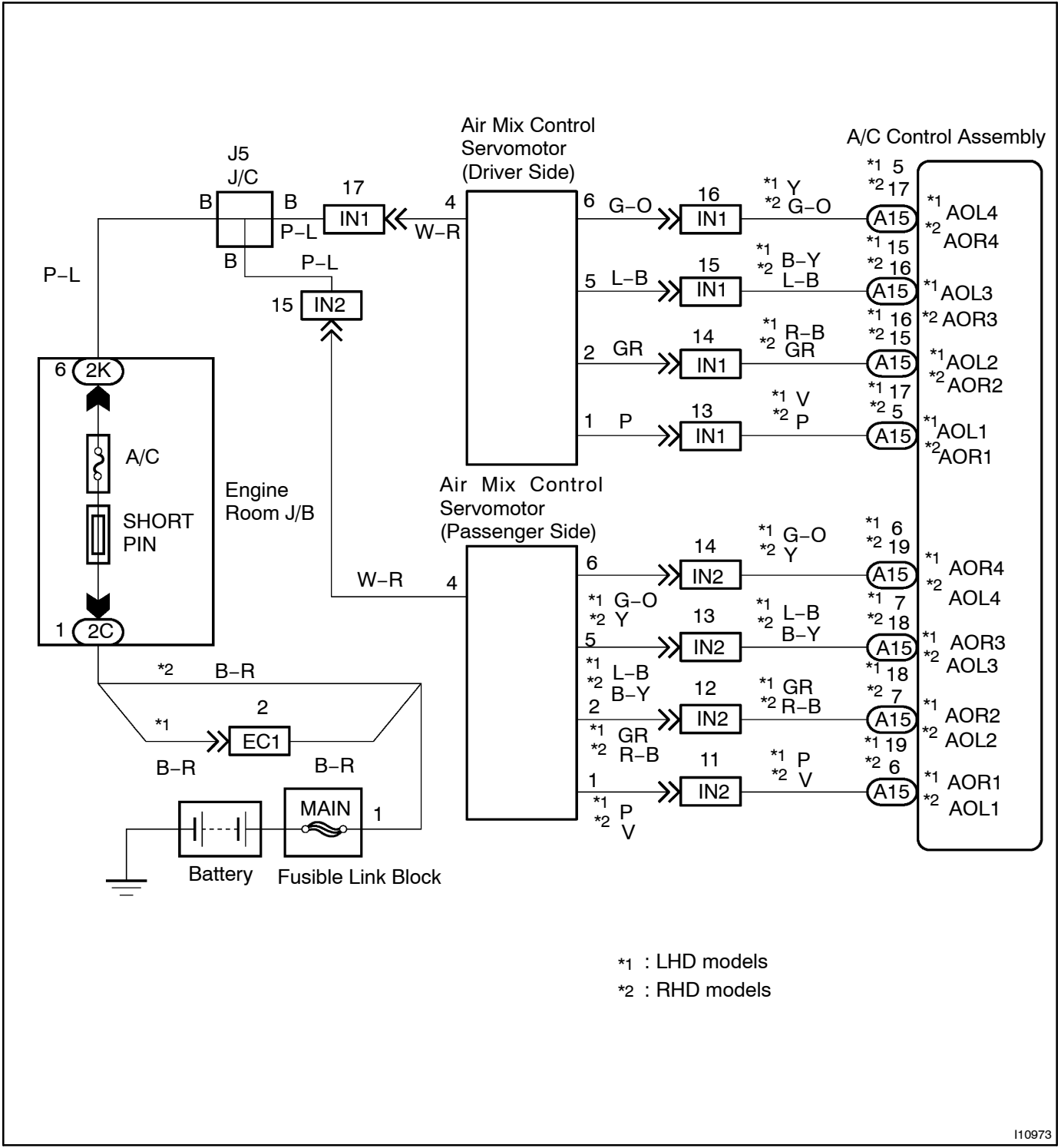


# Air Vent Mode Damper Control Servomotor Circuit

## CIRCUIT DESCRIPTION

This circuit turns the servomotor and changes each mode damper position by the signals from the A/C control assembly. When the AUTO switch is ON, the A/C control assembly changes the mode automatically between FACE, BI-LEVEL and FOOT according to the temperature setting.

## WIRING DIAGRAM



# INSPECTION PROCEDURE

**1 Actuator check.**

Display Code	Air Flow Mode
0 - 3	FACE
4 - 5	BI-LEVEL
6 - 7	FOOT
8	FOOT DEF
9	DEF

**PREPARATION:**

- (a) Set to the actuator check mode (See page DI-768).
- (b) Press the UP switch and change to step operation.

**CHECK:**

Press the UP switch in order and check the condition of air flow mode.

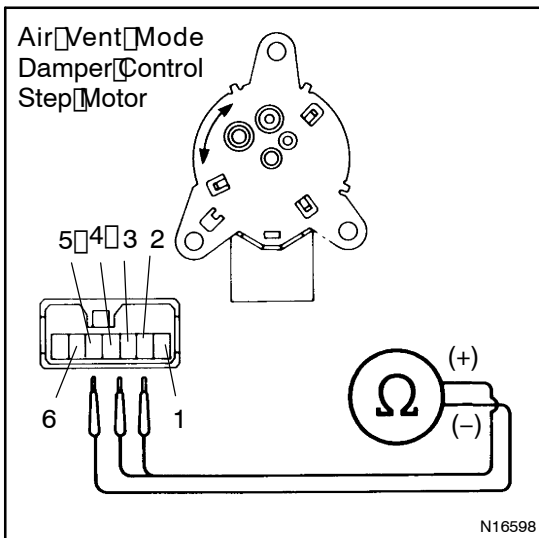
**OK:**

The mode changes with the change in the temperature display, as shown in the table.

**OK** Proceed to next circuit inspection shown on problem symptoms table (See page DI-780).

**NG**

**2 Check air vent mode damper control step motor.**



**PREPARATION:**

Remove air vent mode damper control step motor (See page AC-89).

**CHECK:**

Measure resistance between terminals 3, 4 and other terminals.

**OK:**

**Resistance**

Terminal No.						Standard Valve
1	2	3	4	5	6	
(-)		(+)	(+)			16.0 - 18.0 Ω
	(-)	(+)	(+)			16.0 - 18.0 Ω
		(+)	(+)	(-)		16.0 - 18.0 Ω
		(+)	(+)		(-)	16.0 - 18.0 Ω

○ : Battery terminal

**NG** Replace air vent mode control step motor.

**OK**

3 Check harness and connector between A/C control assembly and A/V mode damper control step motor, A/V mode damper control step motor and battery, A/V mode damper control step motor and body ground (See page IN-30).

NG

Repair or replace harness or connector.

OK

Repair or replace A/C control assembly.