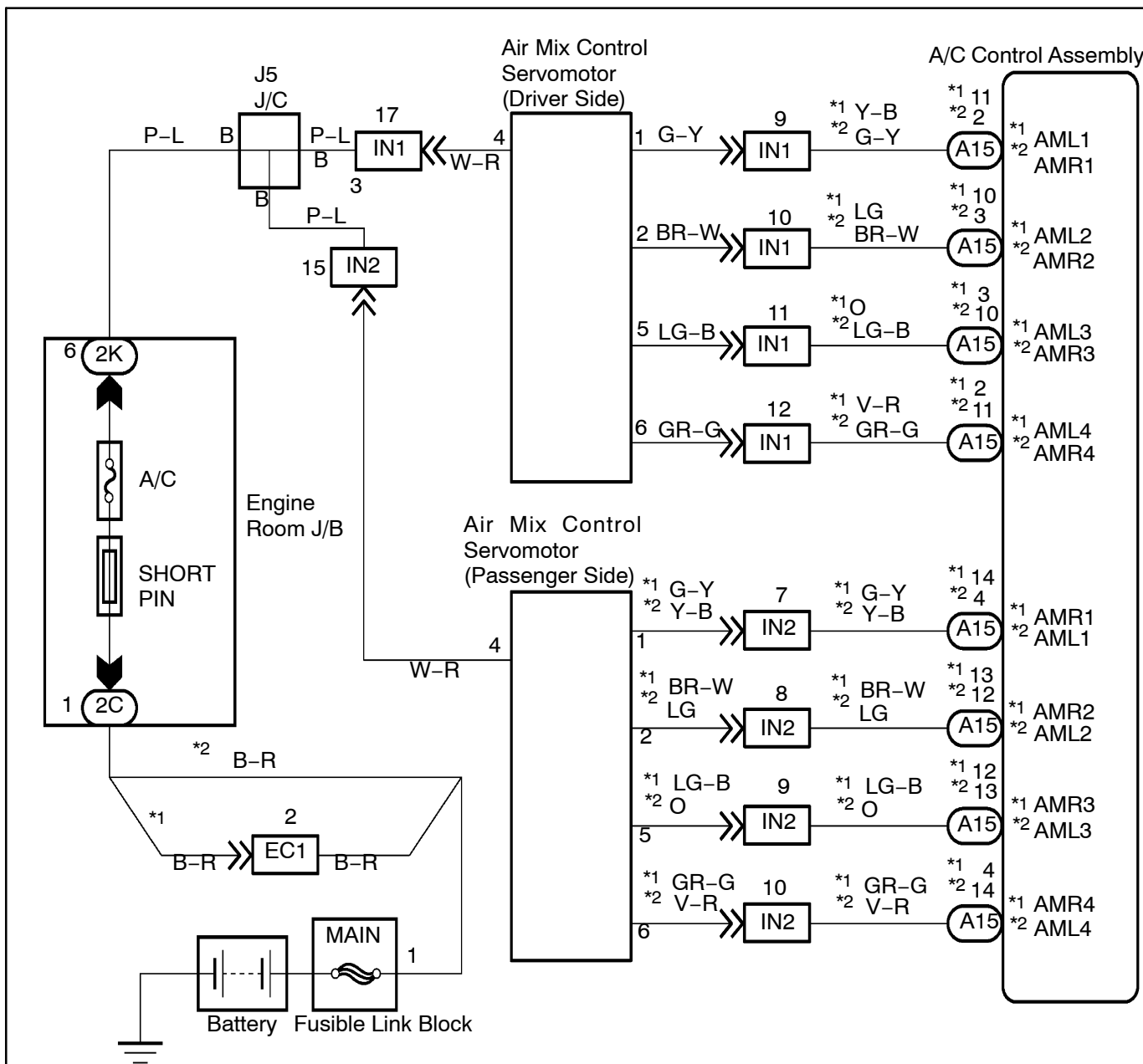


Air Mix Damper Control Servomotor Circuit

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 air mix damper changes automatically.

WIRING DIAGRAM



INSPECTION PROCEDURE**1 Actuator check.****PREPARATION:**

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

CHECK:

Press the UP temperature control switch and check the operation of the air mix damper and the condition of the blower.

OK:

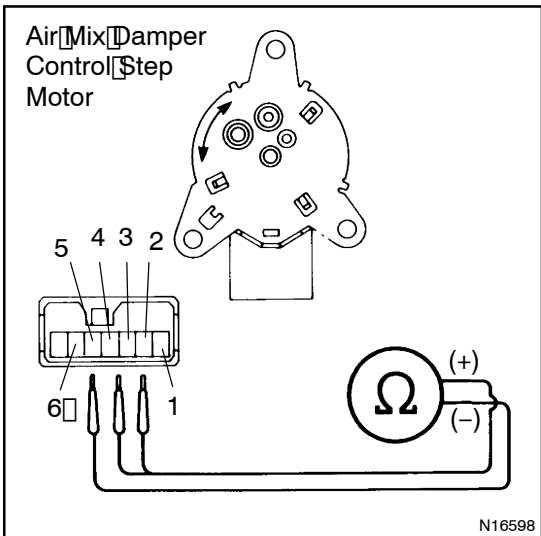
Display Code	Air Mix Damper	Condition
0 - 3	0 % (Fully closed)	Cool air comes out
4 - 6	50 %	
7 - 9	100 % (Fully opened)	Warm air comes out

OK

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

NG

2 Check air mix damper control step motor.



PREPARATION:

Remove air mix damper control step motor (See page AC-88).

CHECK:

Measure resistance between terminals 3, 4 and other terminals.

OK:

Resistance

Terminal No.						Standard Value
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

NG Replace air mix damper control servomotor.

OK

3 Check harness and connector between A/C control assembly and air mix damper control servomotor, air mix damper control servomotor and battery, air mix damper control servomotor and body ground (See page IN-30).

NG Repair or replace harness or connector.

OK

Check and replace A/C control assembly.