

AIR CONDITIONER CONTROL ASSEMBLY

AC261-01

ON-VEHICLE INSPECTION

1. REMOVE A/C CONTROL ASSEMBLY

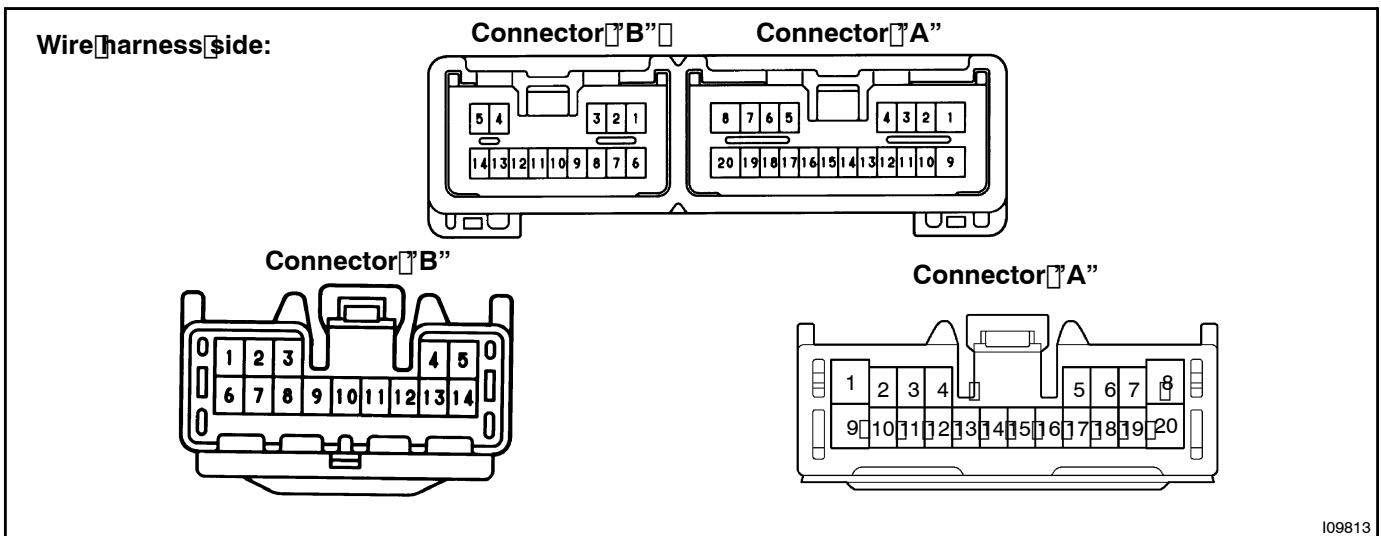
(See page AC-87)

2. INSPECT A/C CONTROL ASSEMBLY CIRCUIT

- (a) Disconnect the connector from the A/C control assembly and inspect the connector on the wire harness side, as shown in the chart below.

Test condition:

Turn Ignition switch ON



Tester connection	Condition	Specified condition
A13 - A6	Cover solar sensor with a cloth	No continuity
	Solar sensor subject to electric light	Continuity
B14 - Ground	Constant	Continuity
A17 - A18	Cabin temperature at 25°C (77°F)	Approx. 1.7 kΩ
A5 - A18	Evaporator temperature at 25°C (77°F)	Approx. 1.5 kΩ
B4 - Ground	Turn Ignition switch to ACC	Battery voltage
	Turn Ignition switch to ON	Battery voltage
B13 - Ground	Turn Ignition switch to LOCK or ACC	No voltage
	Turn light control switch to "TAIL"	Battery voltage
B5 - Ground	Constant	Battery voltage

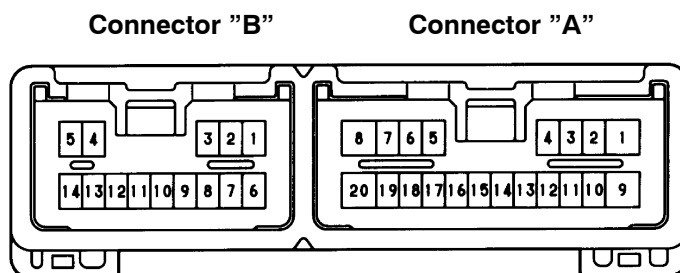
- If the circuit is not as specified, inspect the circuit connected to other parts.
- If the circuit is as specified, proceed to "INSPECTION" on page AC-91.

- (b) Connect the connector to amplifier and inspect the wire harness side connector from the back side, as shown in the chart.

Test conditions:

- Running engine at idle speed
- Blower speed control dial at "HI" position
- Temperature control dial at "MAX. COOL" position
- A/C switch ON

From back side:



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Tester connection	Condition	Specified condition
A18 - Ground	Constant	Continuity
A1 - Ground	Hazard switch: OFF	No continuity
	Hazard switch: ON	Continuity
A2 - Ground	R/F switch: FRESH	Below 1.0 V
	R/F switch: RECIRC	No voltage
A3 - A11	Mode control dial: FACE	Below 1.0 V
	Mode control dial: DEF	Battery voltage
A4 - A12	Temperature control dial: MAX COOL	Below 1.0 V
	Temperature control dial: MAX HOT	Battery voltage
A6 - A18	Constant	5.0 ± 0.5 V
A9 - Ground	R/F switch: FRESH	Battery voltage
	R/F switch: RECIRC	Below 1.0 V
A10 - Ground	R/F switch: FRESH	No voltage
	R/F switch: RECIRC	Battery voltage
A11 - A3	Mode control dial: DEF	Below 1.0 V
	Mode control dial: FACE	Battery voltage
A12 - A4	Temperature control dial: MAX HOT	Below 1.0 V
	Temperature control dial: MAX COOL	Battery voltage
A14 - A18	Temperature control dial: MAX HOT	Approx. 1.0 V
	Temperature control dial: MAX COOL	Approx. 4.0 V
A15 - A18	Mode control dial: DEF	Approx. 1.0 V
	Mode control dial: FACE	Approx. 4.0 V
B2 - Ground	Parking brake lever: Release	Battery voltage
	Parking brake lever: Operate	Below 1.0 V
B3 - Ground	Pattern select switch: Except PWR	Battery voltage
	Pattern select switch: PWR	Below 1.0 V

B6 - Ground	Ignition switch: ON	Below 1.0V
	Ignition switch: OFF	Battery voltage
B7 - Ground	Blower motor: ON	Pulse generation
	Blower motor: OFF	Approx. 3.0V
B8 - Ground	Pattern select switch: Except SNOW	Battery voltage
	Pattern select switch: SNOW	Below 1.0V
B10 - Ground	Passenger seat belt: Unfastened	Below 1.0V
	Passenger seat belt: Fastened	Battery voltage

If the circuit is not as specified, proceed to "INSPECTION" on page AC-91.

3. INSTALL A/C CONTROL ASSEMBLY (See page AC-94)