

AIR CONDITIONING CONTROL ASSEMBLY

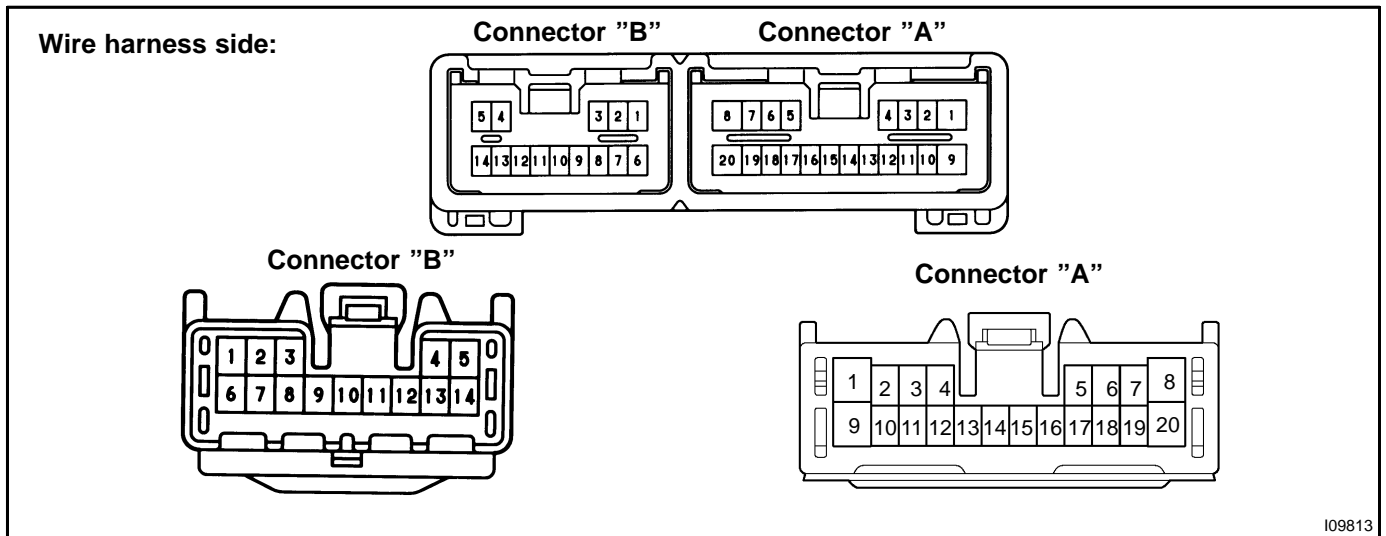
AC261-03

ON-VEHICLE INSPECTION

1. REMOVE A/C CONTROL ASSEMBLY
(See page [AC-84](#))
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



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| 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 positive voltage |
| B13 - Ground | Turn ignition switch to ON | Battery positive voltage |
| | Turn ignition switch to LOCK or ACC | No voltage |
| B12 - Ground | Turn light control switch to "TAIL" | Battery positive voltage |
| B5 - Ground | Constant | Battery positive voltage |

If the circuit is not as specified, inspect the circuit connected to other parts.

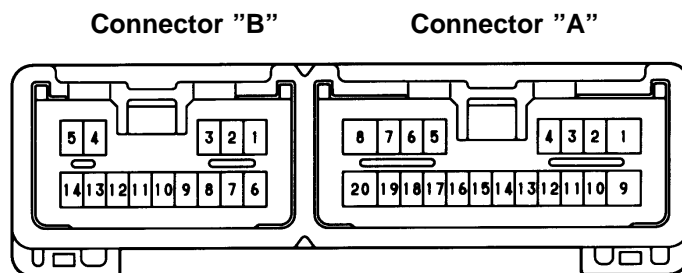
If the circuit is as specified, proceed to "INSPECTION" on page [AC-88](#).

- (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 | Battery positive voltage |
| | R/F switch: RECIRC | Below 1.0 V |
| A3 - Ground | Mode control dial: FACE | Below 1.0 V |
| | Mode control dial: DEF | Battery positive voltage |
| A4 - Ground | Temperature control dial: MAX COOL | Below 1.0 V |
| | Temperature control dial: MAX HOT | Battery positive voltage |
| A6 - A18 | Constant | 5.0 ± 0.5 V |
| A9 - Ground | R/F switch: FRESH | Below 1.0 V |
| | R/F switch: RECIRC | Battery positive voltage |
| A10 - Ground | Mode control dial: DEF | Below 1.0 V |
| | Mode control dial: FACE | Battery positive voltage |
| A11 - Ground | Temperature control dial: MAX HOT | Below 1.0 V |
| | Temperature control dial: MAX COOL | Battery positive 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 |
| A16 - A18 | R/F switch: FRESH | Approx. 1.0 V |
| | R/F switch: RECIRC | Approx. 4.0 V |
| B2 - Ground | Parking brake lever: Release | Battery positive voltage |
| | Parking brake lever: Operate | Below 1.0 V |
| B3 - Ground | Pattern select switch: Except PWR | Battery positive voltage |
| | Pattern select switch: PWR | Below 1.0 V |

| | | |
|--------------|------------------------------------|--------------------------|
| B6 - Ground | Ignition switch: ON | Below 1.0 V |
| | Ignition switch: OFF | Battery positive voltage |
| B7 - Ground | Blower motor: ON | Pulse generation |
| | Blower motor: OFF | Approx. 5.0 V |
| B8 - Ground | Pattern select switch: Except SNOW | Battery positive voltage |
| | Pattern select switch: SNOW | Below 1.0 V |
| B10 - Ground | Passenger seat belt: unfastened | Below 1.0 V |
| | Passenger seat belt: fasted | Battery positive voltage |

If the circuit is not as specified, proceed to "INSPECTION" on page [AC-88](#).

3. INSTALL A/C CONTROL ASSEMBLY
(See page [AC-91](#))