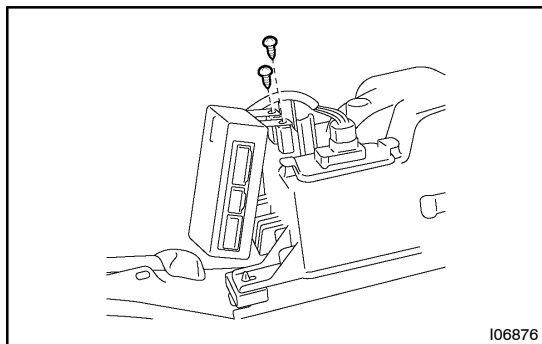


AIR CONDITIONING AMPLIFIER (for Rear A/C) INSPECTION

AC1MB-01

1. REMOVE THESE PARTS:

- (a) Rear door scuff plate RH
- (b) Rear floor mat support plate
- (c) Quarter trim panel RH



2. REMOVE A/C AMPLIFIER

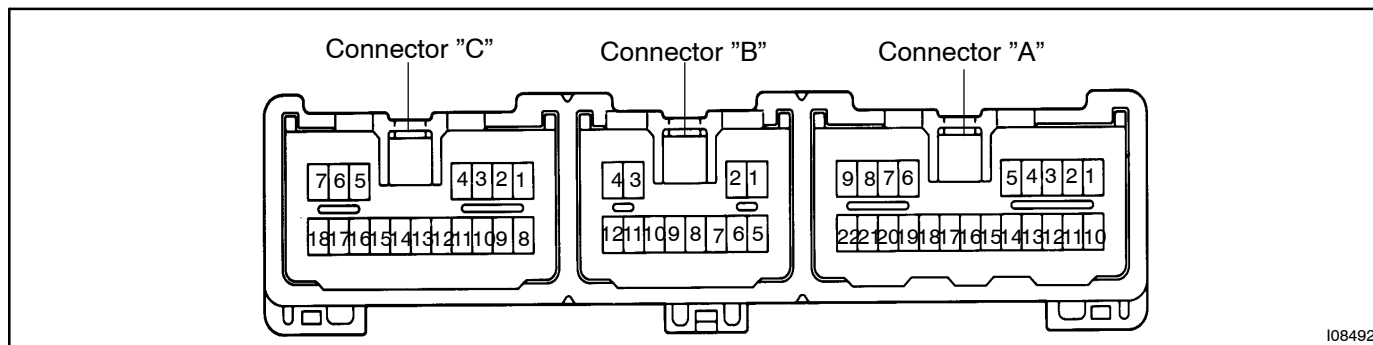
- (a) Disconnect the connectors.
- (b) Remove the 2 screws and amplifier.

3. INSPECT REAR A/C AMPLIFIER CIRCUIT

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

Test condition:

- Turn ignition switch to ON



Tester connector	Condition	Specified condition
A1 – Ground	Constant	Battery positive voltage
A2 – Ground	Constant	Battery positive voltage
	Turn ignition switch to OFF	No voltage
A3 – Ground	Rr. heater control at "FACE" and "LO"	Approx. 7.2 V
	Rr. heater control at "FACE" and "ME"	Approx. 4.2 V
	Rr. heater control at "FACE" and "HI"	Approx. 0.5 V
A4 – Ground	Rr. heater control at "FACE" and "OFF"	Below 1.0 V
	Rr. heater control at "FACE" and "LO"	1.5 – 3.0 V
A5 – Ground	Constant	4.5 – 5.5 V
A6 – A9	Rr. temperature control at "MAX. COOL"	Battery positive voltage
	Rr. temperature control at "MAX. WARM"	No voltage

A7 – A9	Evaporator temperature at 0 °C (32 °F)	Approx. 0.5 V
	Evaporator temperature at 15 °C (59 °F)	Below 1.0 V
A8 – A9	Rr. heater air inlet temperature at 25 °C (77 °F)	1.5 – 3.0 V
	Rr. heater air inlet temperature at 40 °C (104 °F)	4.5 – 5.5 V
A9 – A22	Constant	Continuity
A11 – Ground	Rr. temperature control at "MAX. WARM"	Below 1.0 V
	Rr. temperature control at "MAX. COOL"	Battery positive voltage (in 16 seconds)
A12 – Ground	Rr. temperature control at "MAX. COOL"	Below 1.0 V
	Rr. temperature control at "MAX. WARM"	Battery positive voltage (in 16 seconds)
A13 – Ground	Rr. heater control at "FACE" and "OFF"	Battery positive voltage
	Rr. heater control at "FACE" and "LO"	Below 1.0 V
A14 – Ground	Rr. heater control at "FOOT" and "OFF"	Battery positive voltage
	Rr. heater control at "FOOT" and "LO"	Below 1.0 V
A15 – Ground	Rr. heater control at "FOOT" and "LO"	Approx. 7.2 V
	Rr. heater control at "FOOT" and "ME"	Approx. 4.2 V
	Rr. heater control at "FOOT" and "HI"	Approx. 0.5 V
A16 – Ground	Rr. heater control at "FOOT" and "OFF"	Below 1.0 V
	Rr. heater control at "FOOT" and "LO"	1.5 – 3.0 V
A22 – Ground	Constant	Continuity
B1 – A2	Constant	Continuity
B4 – A5	Constant	Continuity
B5 – A10	Constant	Continuity
B7 – B12	Rr. room temperature at 25 °C (77 °F)	1.8 – 2.2 V
	Rr. room temperature at 40 °C (104 °F)	1.2 – 1.6 V
B8 – B12	Rr. temperature control at "MAX. COOL"	5.0 V
	Rr. temperature control at "MAX. WARM"	No voltage
C1 – C8	Push in "AUTO" switch	Below 1.0 V
	"AUTO" switch "OFF"	Battery positive voltage
C2 – C8	Constant	Battery positive voltage
	Push in "Rr. OFF" switch	Below 1.0 V
C3 – C8	Constant	Battery positive voltage
	Push in "Rr. LO" switch	Below 1.0 V
C4 – C8	Constant	Battery positive voltage
	Push in "Rr. ME" switch	Below 1.0 V
C5 – Ground	Push in except "Rr. AUTO" switch	Battery positive voltage
	Push in "Rr. AUTO" switch	Below 1.0 V
C6 – Ground	Push in except "Rr. LO" switch	Battery positive voltage
	Push in "LO" switch	Below 1.0 V
C7 – Ground	Push in except "Rr. ME" switch	Battery positive voltage
	Push in "ME" switch	Below 1.0 V
C8 – A9	Constant	Continuity
C9 – Ground	Push in "Rr. HI" switch	Below 1.0 V
	Constant	Battery positive voltage
C10 – Ground	Constant	Battery positive voltage
	Push in "Rr. FACE" switch	Below 1.0 V

AIR CONDITIONING – AIR CONDITIONING AMPLIFIER (for Rear A/C)

C11 – Ground	Constant	Battery positive voltage
	Push in "Rr. B/L" switch	Below 1.0 V
C12 – Ground	Constant	Battery positive voltage
	Push in "Rr. FOOT" switch	Below 1.0 V
C15 – Ground	Push in except "Rr. FACE" switch	Battery positive voltage
	Push in "Rr. FACE" switch	Below 1.0 V
C16 – Ground	Push in except "Rr. B/L" switch	Battery positive voltage
	Push in "Rr. B/L" switch	Below 1.0 V
C17 – Ground	Push in except "Rr. FOOT" switch	Battery positive voltage
	Push in "Rr. FOOT" switch	Below 1.0 V
C18 – Ground	Push in except "Rr. HI" switch	Battery positive voltage
	Push in "Rr. HI" switch	Below 1.0 V

If circuit is as specified, try replacing the amplifier with a new one. If the circuit is not as specified, inspect the circuits connected to other parts.