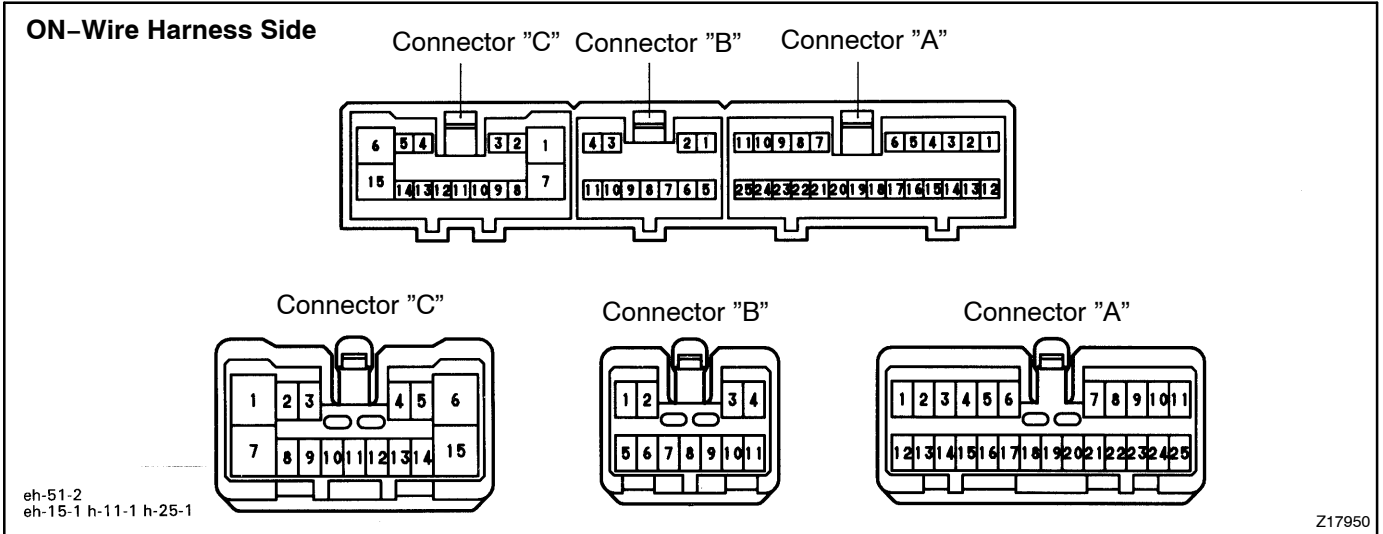


INSPECTION

INSPECT AMPLIFIER CIRCUIT

- (a) Disconnect the connector from amplifier and inspect the connector on the wier harness side, as shown in the chart below.

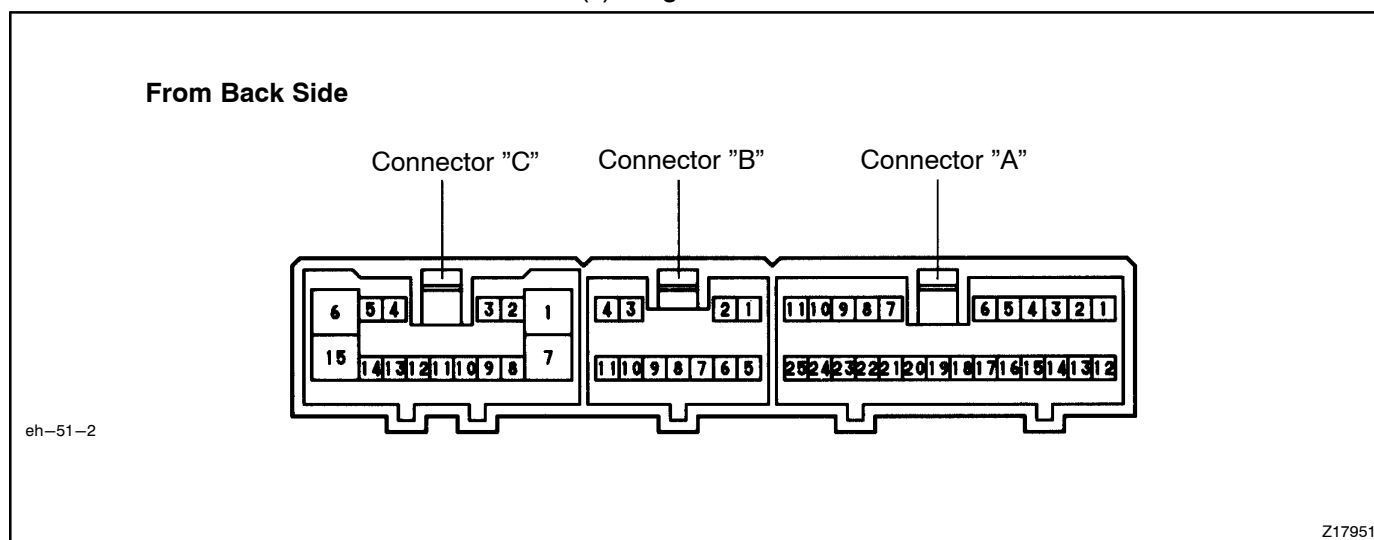


Tester connection	Condition	Specified condition
A1 – Ground	Constant	Battery positive voltage
A5 – A15	Constant	Approx. 1.7 kW at 25°C (77°F)
A6 – A15	Constant	Approx. 1.7 kW at 25°C (77°F)
A10 – Ground	Ignition switch ON	Battery positive voltage
A10 – Ground	Ignition switch OFF	No voltage
A11 – Ground	Ignition switch ON	Battery positive voltage
A11 – Ground	Ignition switch OFF	No voltage
A12 – Ground	Ignition switch ACC	Battery positive voltage
A12 – Ground	Ignition switch OFF, ON, START	No voltage
A16 – A4	Solar sensor subject to electrical light	Continuity
A16 – A4	Cover solar sensor by a cloth	Continuity
A19 – A15	Constant	Approx. 1.5 kW at 25°C (77°F)
A23 – Ground	Push in LO, M1, M2, HI button	Continuity
A24 – Ground	Push in AUTO button	Continuity
A20 – A15	Constant	Approx. 5.0 kW at 25°C (77°F)
B1 – Ground	Push in A/C button	Continuity
B2 – Ground	Constant	Battery positive voltage
B4 – Ground	Push in OFF button	Continuity
B6 – Ground	Constant	Battery positive voltage
B7 – Ground	Constant	Battery positive voltage
B8 – Ground	Constant	Battery positive voltage
B9 – Ground	Constant	Battery positive voltage
B10 – Ground	Push in A/C button	Continuity
C 2 – Ground	Push in AUTO button	Continuity
C 3 – Ground	Push in FOOT button	Continuity

C 4 – Ground	Push in M2 button	Continuity
C 5 – Ground	Push in LO button	Continuity
C 6 – Ground	Ignition switch ON	Battery positive voltage
C 6 – Ground	Ignition switch OFF	No voltage
C 8 – Ground	Push in F/D button	Continuity
C 9 – Ground	Push in DEF. button	Continuity
C 10 – Ground	Push in Bi-Level button	Continuity
C 11 – Ground	Push in HI button	Continuity
C 12 – Ground	Push in M1 button	Continuity
C13 – Servomotor amplifier terminal 4	Constant	Continuity
C 14 – Servomotor amplifier terminal	Constant	Continuity
C15 – Ground	Constant	Continuity

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

- (b) Connect the connector to amplifire and inspect the wire harness side connector from the back side, as shown in the chart below.
- (c) Ignition switch.



Tester connection	Condition	Specified condition
A8 – Ground	Air inlet switch FRESH	Battery positive voltage
A9 – Ground	Air inlet switch RECIRC.	Battery positive voltage
A4 – A17	Temperature control switch MAX. COOL	Applox. 4 V
A4 – A17	Temperature control switch MAX. HOT	Below 1 V
A4 – A18	Temperature control switch MAX. COOL	Applox. 4.7 V
A4 – A18	Temperature control switch MAX. HOT	Applox. 0.3 V
C1 – Ground	Blower speed control switch LO (Manual Mode)	Applox. 9.6 V
C1 – Ground	Blower speed control switch LO (AUTO Mode)	Applox. 9.0 V
C1 – Ground	Blower speed control switch M1 (Manual Mode)	Applox. 7.1 V

AIR CONDITIONING – SYSTEM AMPLIFIER

C1 – Ground	Blower speed control switch M2 (Manual Mode)	Applox. 4.0 V
C1 – Ground	Blower speed control switch HI (AUTO Mode)	Applox. 1.5 V
C1 – Ground	Blower speed control switch HI (Manual Mode)	No voltage
C7 – Ground	Operate blower motor	Below 1.5 V

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