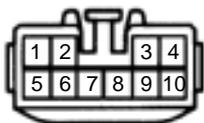


Wire Harness Side



e-10-1

Z15513

AIR CONDITIONING AMPLIFIER ON-VEHICLE INSPECTION

AC091-01

INSPECT AMPLIFIER CIRCUIT

- (a) Remove the glove compartment door (See page [BO-47](#)).
- (b) Disconnect the amplifier connector and inspect the connector on wire harness side, as shown in the chart below.

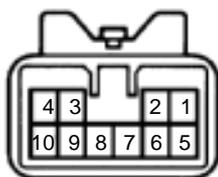
Test conditions:

- Turn ignition switch to ON
- Blower speed switch HI

Tester connection	Condition	Specified condition
4 – Ground	Constant	Continuity
6 – 2	Constant	Continuity
2 – 10	Evaporator temperature at 25 °C (77 °F)	Approx. 1.5 kΩ at 25 °C (77 °F)
5 – Ground	A/C switch ON	Battery positive voltage
5 – Ground	A/C switch OFF	No voltage

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

From Back Side



e-10-2

Z15514

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

Test conditions

- Running engine at idle speed
- Blower speed switch at "HI" position
- A/C switch ON
- Temperature control lever at "COOL" position
- Set on manifold gauge set

Tester connection	Condition	Specified condition
1 – Ground	Refrigerant pressure 196 – 1,340 kPa	Battery positive voltage
1 – Ground	Refrigerant pressure less than 196 or more than 3,140 kPa	No voltage
3 – Ground	Magnetic clutch engaged	Battery voltage
3 – Ground	Magnetic clutch not engaged	Below 1.0 V
8 – Ground	Engine speed at idle speed	Below 0.7 V
8 – Ground	Engine speed at idle-up speed	No voltage
9 – Ground	Magnetic clutch engaged	Below 1.0 V
9 – Ground	Magnetic clutch not engaged	No voltage

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.