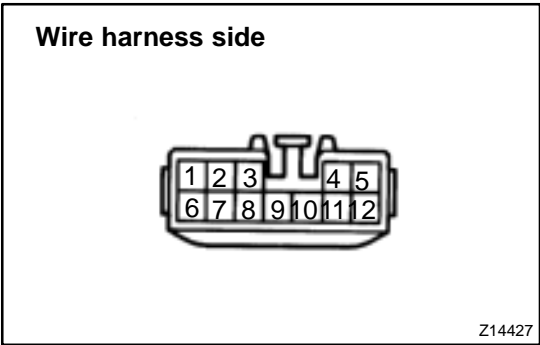


AIR CONDITIONING AMPLIFIER ON-VEHICLE INSPECTION

AC1FE-02

1. INSPECT A/C AMPLIFIER CIRCUIT

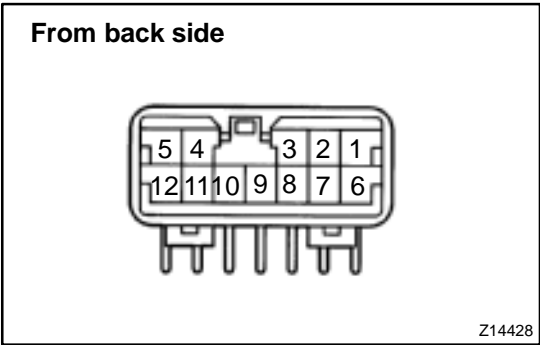
- (a) Remove these parts:
 - (1) Lower No. 2 finish panel
 - (2) Lower No. 2 finish panel retainer



- (b) Disconnect the connector from amplifier and inspect the connector on wire harness side, as shown in the chart.
Test conditions:
 - Turn ignition switch to ON
 - Temperature control dial to MAX COOL
 - Blower speed control switch at "HI" position

Tester connection	Condition	Specified condition
5 – Ground	Constant	Continuity
8 – 12	Constant	Approx. 1.5 kΩ at 25 °C (77 °F)
7 – Ground	A/C switch ON	Battery positive voltage
	A/C switch OFF	No voltage
9 – Ground	A/C switch ON	Below 4.0 V
	A/C switch OFF	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.



- (c) Connect the connector to amplifier and inspect the wire harness connector from the back side, as shown in the chart below.
Tester conditions:
 - Running engine at idle speed
 - Blower speed control switch at "HI" position
 - Temperature control dial at "Max. COOL" position
 - A/C switch ON
 - Set manifold gauge set

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