

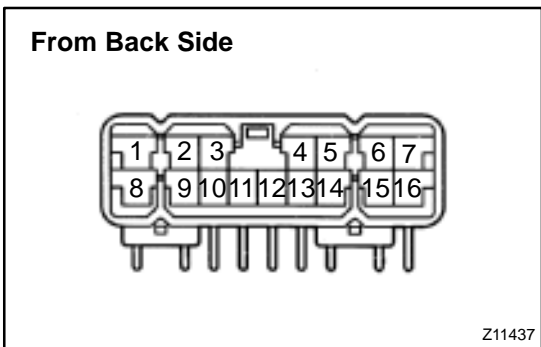
AIR CONDITIONING AMPLIFIER ON-VEHICLE INSPECTION

AC1HD-01

1. REMOVE LOWER FINISH PANEL
(See page [BO-100](#))
2. INSPECT AMPLIFIER CIRCUIT
 - (a) Disconnect the connector and inspect the connector on the wire harness side, as shown in the chart below.
Test conditions:
 - Ignition switch ON
 - Temperature control dial MAX COOL
 - Blower dial HI

Tester connection	Condition	Specified condition
6 – Ground	Constant	Continuity
9 – ECM terminal AC1	Constant	Continuity
2 – ECM terminal ACT	Constant	Continuity
11 – 15	Constant	1.5 KΩ at 25 °C (77 °F)
15 – 16 (5S-FE Engine)	Constant	Approx. 115 Ω at 25 °C (77 °F)
10 – Ground	A/C switch ON	Battery positive voltage
10 – Ground	A/C switch OFF	No voltage
12 – Ground	A/C switch ON	Battery positive voltage
12 – Ground	A/C switch OFF	No voltage
14 – Ground	Constant	Battery positive voltage
5 – Ground	Constant	Approx. 10 – 14 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.



- (b) Connect the connector to A/C amplifier and inspect wire harness side connector from the back side, as shown.
 - Ignition switch ON
 - Temperature control dial MAX COOL
 - Blower dial HI

Tester connection	Condition	Specified condition
3 – Ground	Refrigeration pressure 196 – 3,140 kPa	Battery positive voltage
3 – Ground	Refrigeration pressure less than 196 kPa or more than 3,140 kPa	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.