

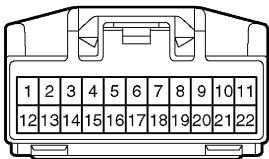
AIR CONDITIONER AMPLIFIER (Manual A/C) ON-VEHICLE INSPECTION

AC2JH-01

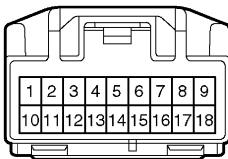
- 1. REMOVE COMBINATION MATER
(See page BE-50)
- 2. REMOVE ENGINE ECU
- 3. INSPECT A/C AMPLIFIER CIRCUIT
 - (a) Disconnect the connector from the combination mater and inspect the connector on the wire harness side, as shown in the chart below.

Test condition:
Turn ignition switch to ON

Wire harness side:



Connector "A"



Connector "B"

I14994

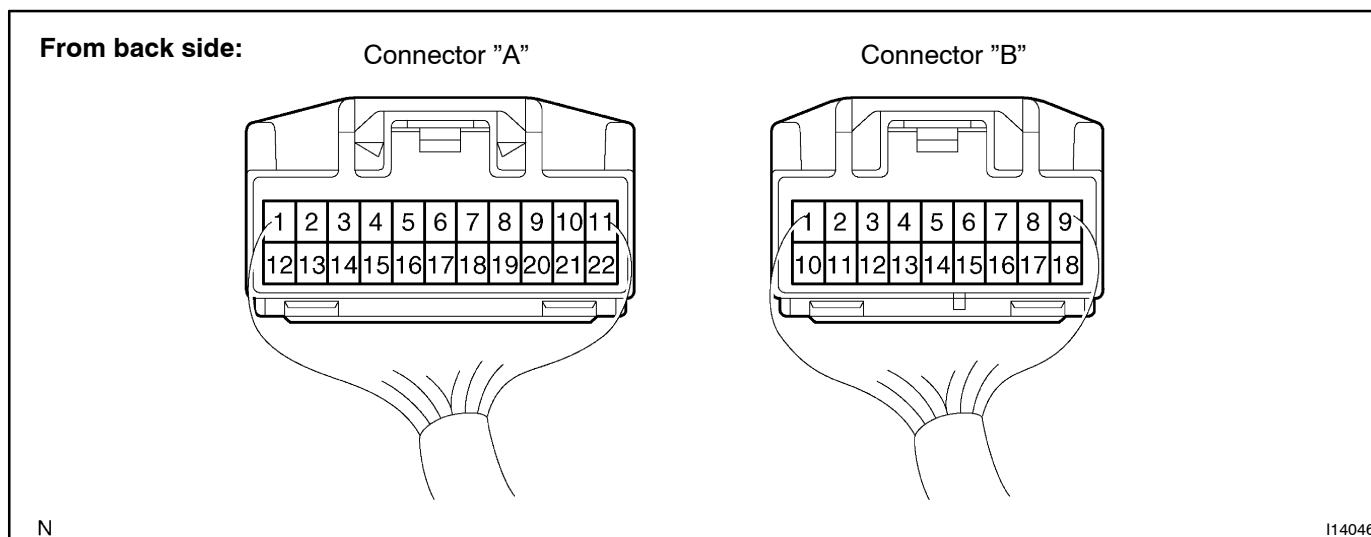
Tester connection	Condition	Specified condition
A7 – Ground	Constant	Continuity
A6 – A18	Evaporator temperature at 25 °C (77 °F)	1.5 kΩ

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

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

Test condition:

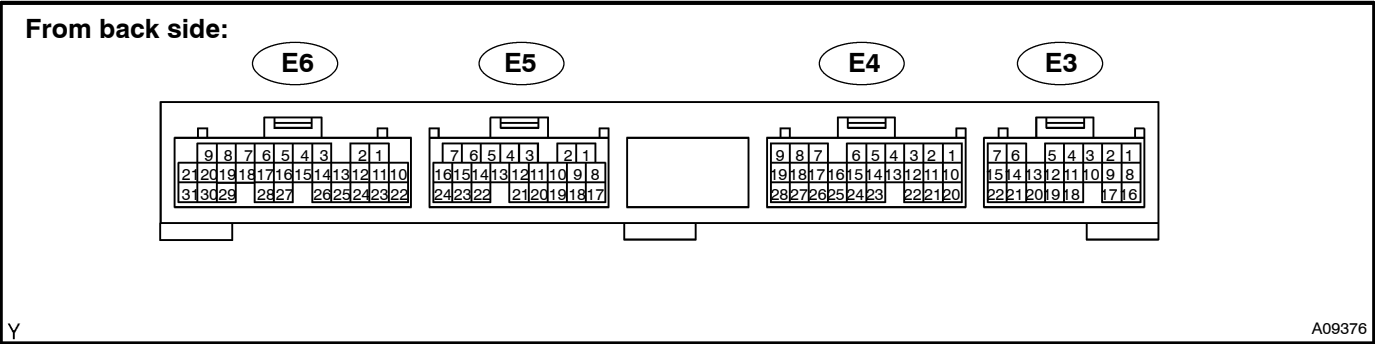
- Run engine at idle speed
- Set on manifold gauge set



Tester connection	Condition	Specified condition
B10 – Ground	A/C switch ON & Blower motor: operate	Below 1.0 V
	A/C switch OFF	Battery voltage
B15 – Ground	A/C switch ON	Below 1.0 V
	A/C switch OFF	Battery voltage
A13 – Ground	Blower motor: Operate	Below 2.0 V
	Blower motor: No operate	Battery voltage

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

- (c) Inspect the wire harness side connector of ECU from the back side, as shown in the chart below.



Tester connection	Condition	Specified condition
E3-12 ↔ Ground	Start engine. Magnetic clutch: ON	Below 1.0 V
	Start engine. Magnetic clutch: OFF	Battery voltage
E4-28 ↔ Ground	Start engine. A/C switch ON	Battery voltage
	Start engine. A/C switch OFF	No voltage
E4-18 ↔ Ground	Refrigerant pressure: 196 – 1,340 kPa	Battery voltage
	Refrigerant pressure: less than 196 or more than 1,340 kPa	No voltage

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