AIR CONDITIONER AMPLIFIER (Manual A/C)

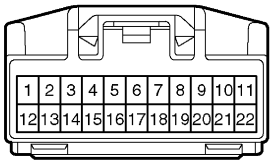
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ON–VEHICLE INSPECTION

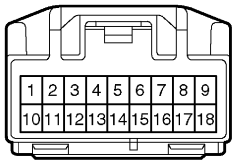
1. **REMOVE COMBINATION MATER**
   (See page BE–50)
2. **REMOVE ENGINE ECU**
3. **INSPECT A/C AMPLIFIER CIRCUIT**

(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"



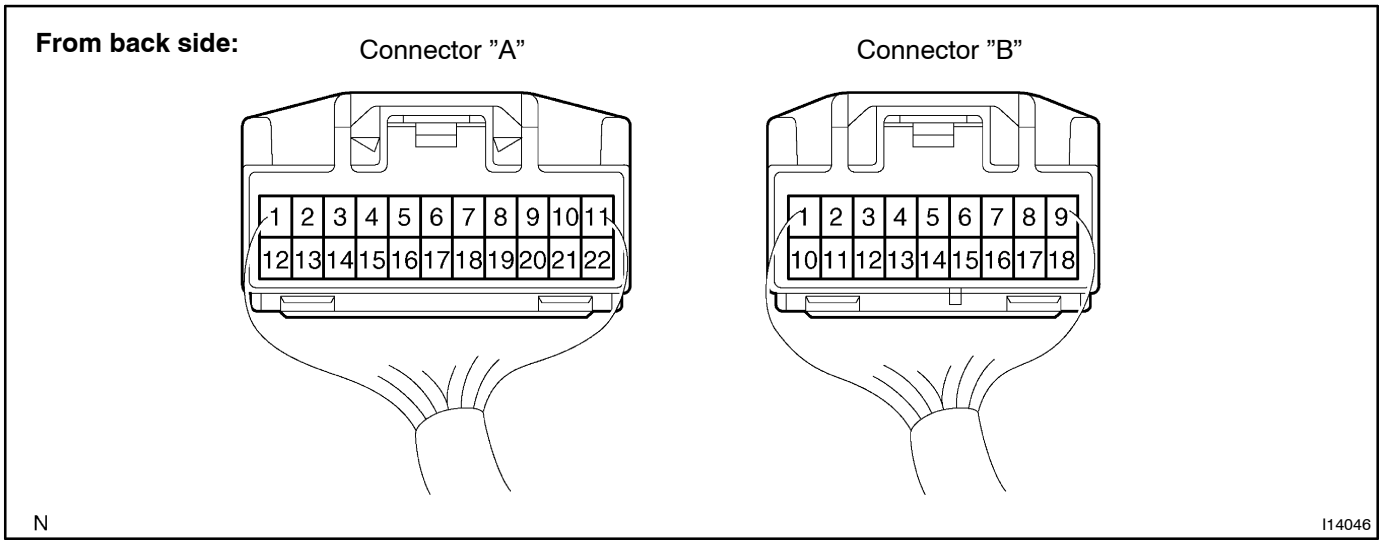
Connector "B"

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.

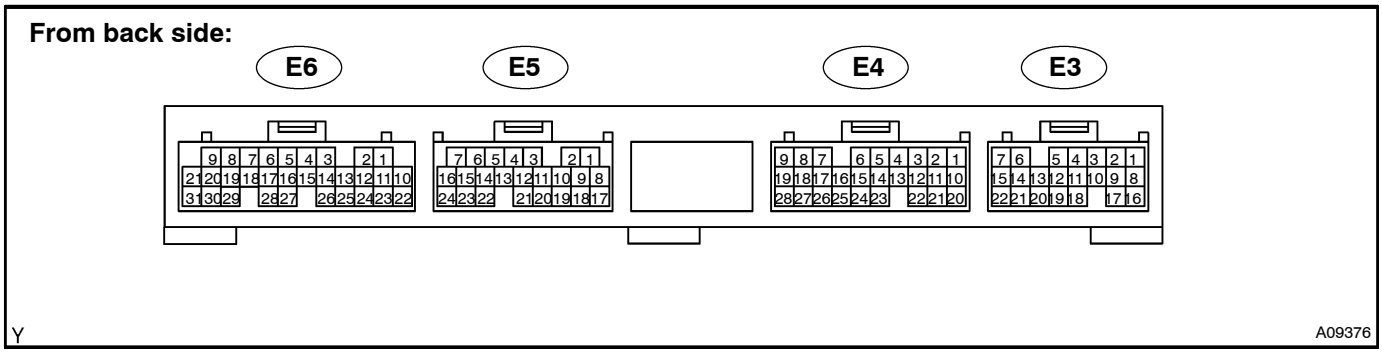
(b) Connect the connector to combination mater and inspect wire harness side from the back side, as shown in the chart below.
Test condition:
- Run engine at idle speed
- Set on manifold gauge set



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.