

AIR CONDITIONING CONTROL SYSTEM

AC209-01

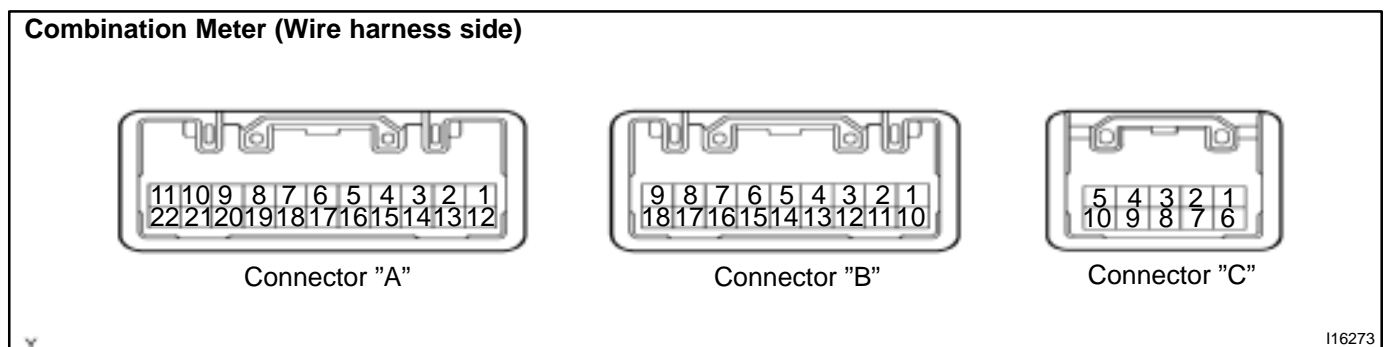
ON-VEHICLE INSPECTION

1. DISCONNECT COMBINATION METER
2. DISCONNECT ECM (See page SF-62)
3. INSPECT A/C CONDITIONING CONTROL SYSTEM CIRCUIT

(a) Disconnect the connector from the combination meter and inspect the connector on the wire harness side, as shown in the diagram below.

Test condition:

Turn ignition switch to ON



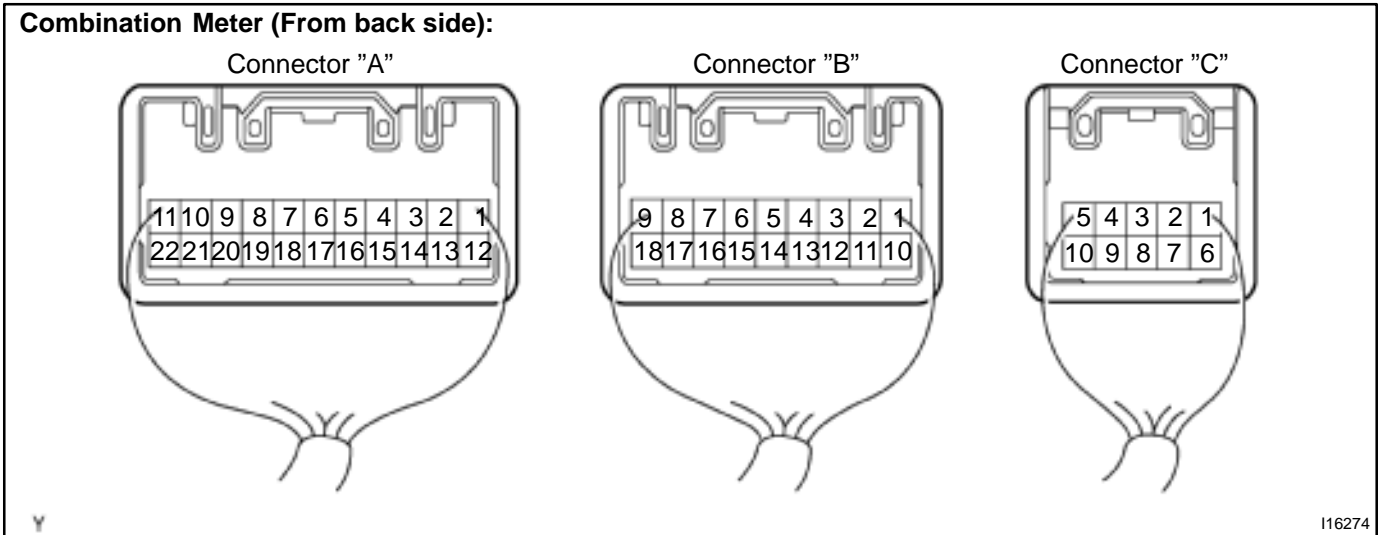
Tester connection	Condition	Specified condition
B8 – Ground	Constant	Continuity
C1 – C4	Evaporator temperature at 25°C (77°F)	1.5 kΩ

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

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

Test condition:

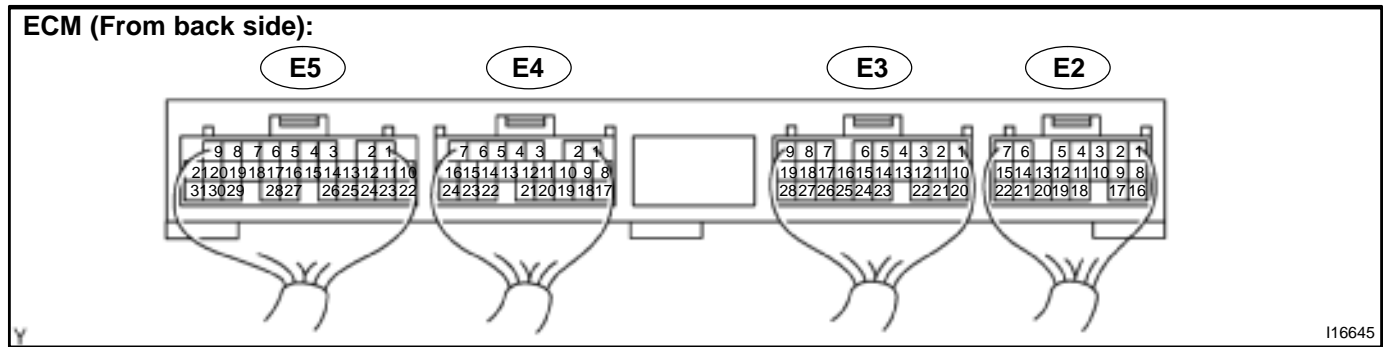
- Run engine at idle speed
- Set on manifold gauge set



Tester connection	Condition	Specified condition
B13 – Ground	A/C switch ON & Blower motor: operative	Below 1.0 V
	A/C switch OFF	Battery positive voltage
C10 – Ground	Mode selector: DEF.	Below 1.0 V
	Mode Selector: Except DEF.	Battery positive voltage
C9 – Ground	A/C switch ON	Below 1.0 V
	A/C switch OFF	Battery positive voltage
A1 – Ground	Blower motor: Operative	Below 2.0 V
	Blower motor: No operative	Battery positive voltage

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

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



Tester connection	Condition	Specified condition
E2-12 – Ground	Start engine. Magnetic clutch: ON	Below 1.0 V
	Start engine. Magnetic clutch: OFF	Battery positive voltage
E3-28 – Ground	Start engine. A/C switch ON	Battery positive voltage
	Start engine. A/C switch OFF	No voltage
E3-18 – Ground	Refrigerant pressure: 196 – 1,340 kPa	Battery positive voltage
	Refrigerant pressure: less than 196 or more than 1,340 kPa	No voltage

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

4. RECONNECT ECM (See page SF-62)
5. RECONNECT COMBINATION METER