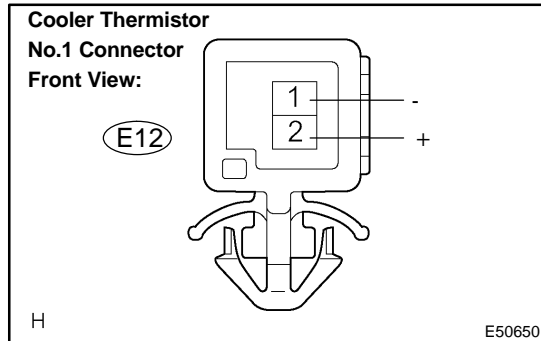


INSPECTION



1. COOLER THERMISTOR NO.1(MANUAL AIR CONDITIONER)

- Remove cooler thermistor No. 1.
- Check resistance between terminals 1 and 2 of cooler thermistor No. 1 at each temperature, as shown in the chart.

Standard:

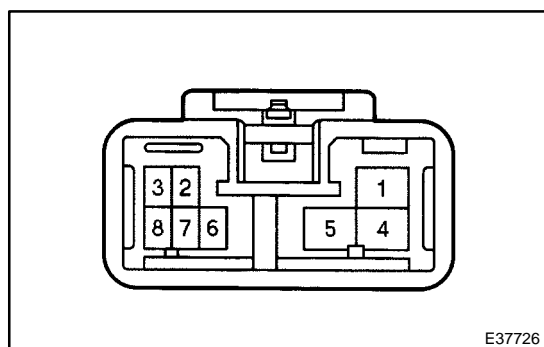
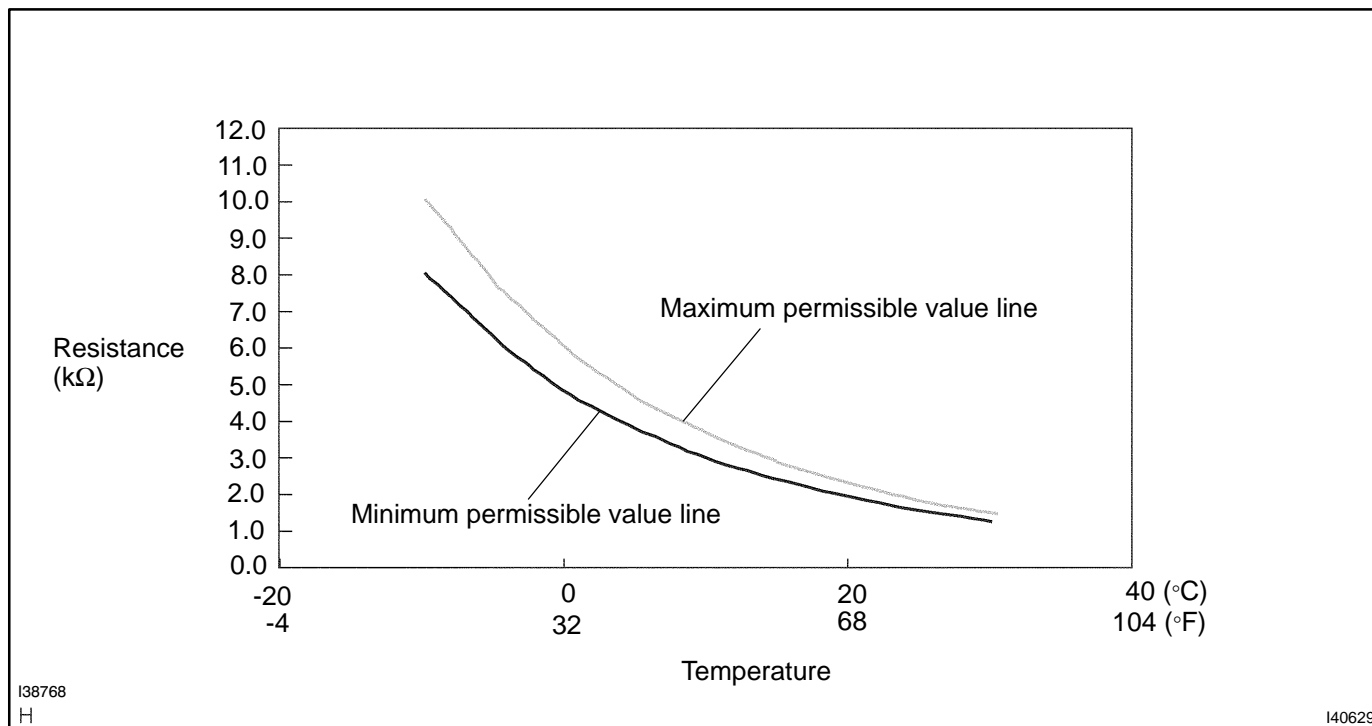
Tester connection	Condition	Specified condition
E12-1 - E12-2	-10 °C (14°F)	8.00 to 10.00 kΩ
E12-1 - E12-2	-5 °C (23°F)	6.15 to 7.65 kΩ
E12-1 - E12-2	0°C (32°F)	4.75 to 5.85 kΩ
E12-1 - E12-2	5°C (41°F)	3.70 to 4.55 kΩ
E12-1 - E12-2	10°C (50°F)	3.00 to 3.73 kΩ
E12-1 - E12-2	15°C (59°F)	2.45 to 2.88 kΩ
E12-1 - E12-2	20°F (68°F)	1.95 to 2.30 kΩ
E12-1 - E12-2	25°C (77°F)	1.60 to 1.80 kΩ
E12-1 - E12-2	30°C (86°F)	1.28 to 1.47 kΩ

NOTICE:

- Even slightly touching the sensor may change the resistance value. Be sure to hold the connector of the sensor.
- When measuring the sensor temperature must be the same as the ambient temperature.

HINT:

As the temperature increases, the resistance decrease (see the graph below).



2. HEATER BLOWER SWITCH(MANUAL AIR CONDITIONER)

(a) Inspect blower switch continuity.

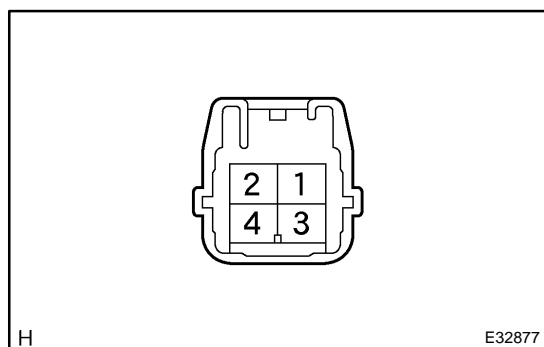
Condition / Circuit	Tester connection	Specified condition
OFF	-	No continuity
LO	1 - 8	Continuity
M1	1 - 6 - 8	Continuity
M2	1 - 5 - 8	Continuity
HI	1 - 4 - 8	Continuity

If continuity is not as specified, replace the air conditioner control assy.

(b) Inspect illumination operation.

Connect the positive (+) lead from the battery to terminal 2 and negative (-) lead to terminal 3 then check that the illuminations light up.

If there is bulb not light up, replace the bulb.

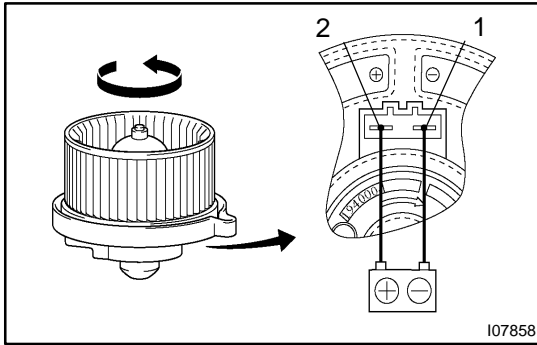


3. BLOWER RESISTOR(MANUAL AIR CONDITIONER)

(a) Measure resistance between terminals, as shown in the chart below.

Tester connection	Specified condition
1 - 2	0.642 - 0.738 Ω
1 - 3	0.205 - 0.235 Ω
1 - 4	1.572 - 1.803 Ω

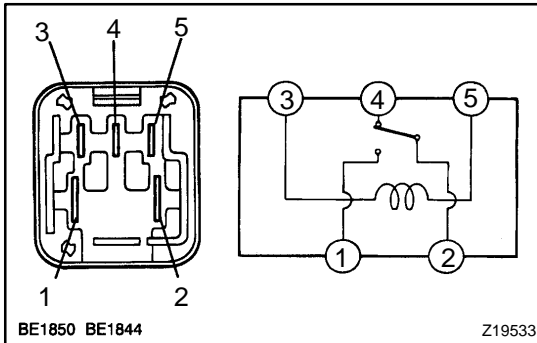
If resistance is not as specified, replace the blower resistor.



4. COOLING UNIT MOTOR SUB-ASSY W/FAN(MANUAL AIR CONDITIONER)

- (a) Connect the positive (+) lead from the battery to terminal 2 and negative (-) to terminal 1, then check that the motor operation smoothly.

If operation is not as specified, replace the blower motor.



5. HEATER BLOWER MOTOR RELAY ASSY(MANUAL AIR CONDITIONER)

- (a) Check that the continuity exists between each pair of terminals of heater blower motor relay assy, as shown in the chart.

Tester connection	Specified condition
1 - 4	No continuity
2 - 4	Continuity
3 - 5	62.5 - 90.9 Ω

- (b) Apply battery voltage between terminals 3 and 5.

- (c) Check continuity each pair of terminals, as shown the chart.

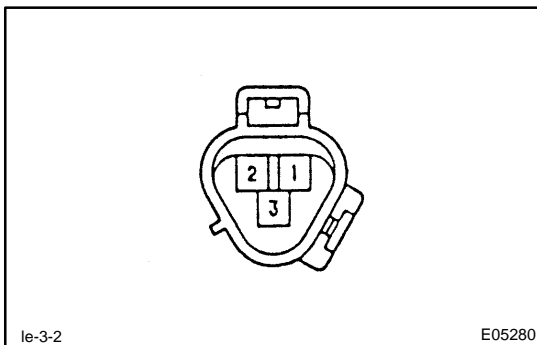
Tester connection	Specified condition
1 - 2	Continuity
2 - 4	No continuity

If continuity is not as specified, replace the heater blower motor relay.

6. MAGNET CLUTCH ASSY(MANUAL AIR CONDITIONER)

- (a) Connect the positive (+) lead from the battery to terminal and the negative (-) lead to the body ground.
- (b) Check that the magnetic clutch energized.

If operation is not as specified, replace the magnet clutch assy.

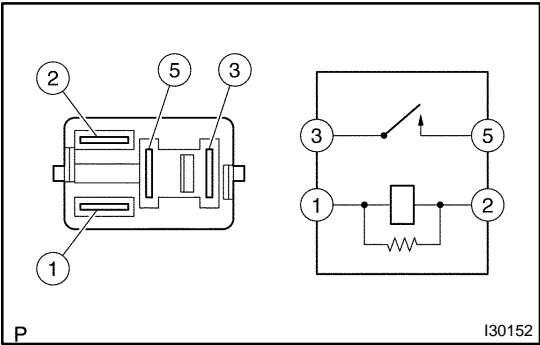


7. COOLER COMPRESSOR ASSY(MANUAL AIR CONDITIONER)

- (a) Disconnect the cooler compressor assy connector.
- (b) Measure resistance between terminals 1 and 2 of cooler compressor assy connector.

Resistance: 165 - 205 Ω at 20 °C (68 °F)

If resistance is not as specified, replace the cooler compressor assy.



8. MAGNET- CLUTCH RELAY(MANUAL AIR CONDITIONER)

Condition	tester connection	Specified condition
constant	1 - 2	Continuity
Apply B+ between terminals 1 and 2.	3 - 5	Continuity

If continuity is not as specified, replace the magnet-clutch relay.