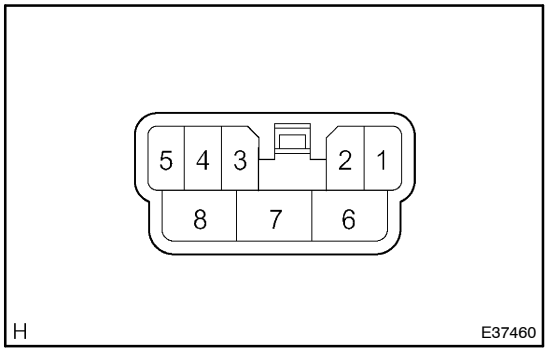
550W8–01

INSPECTION

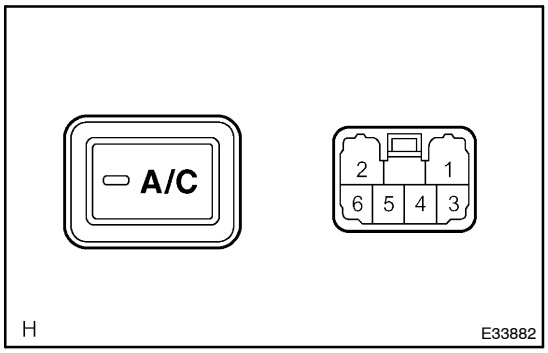


1. INSPECT HEATER BLOWER SWITCH ASSY

(a) Inspect switch continuity.

Switch position	Tester connection	Specified Condition
OFF	All	No continuity
LO	6 ⇔ 5	Continuity
M1	6 ⇔ 5 ⇔ 1	Continuity
M2	6 ⇔ 5 ⇔ 2	Continuity
HI	6 ⇔ 5 ⇔ 8	Continuity

If the result is not as specified, replace the switch assy.

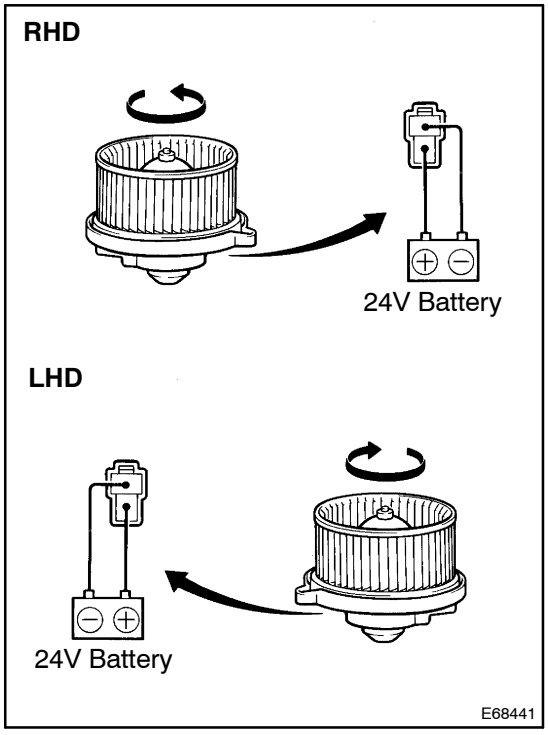


2. INSPECT COOLER SWITCH

(a) Inspect switch continuity.

Switch position	Tester connection	Specified Condition
OFF	5 ⇔ 6	No continuity
ON	5 ⇔ 6	Continuity

If the result is not as specified, replace the switch.

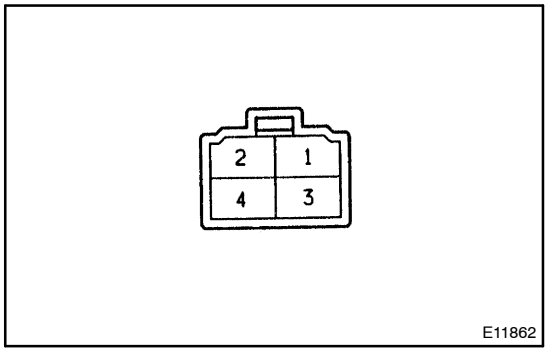


3. INSPECT HEATER BLOWER MOTOR SUB–ASSY

(a) Connect the positive (+) lead from the 24 V battery to terminal 1 and negative (–) to terminal 2.

(b) Check that the motor operates smoothly

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



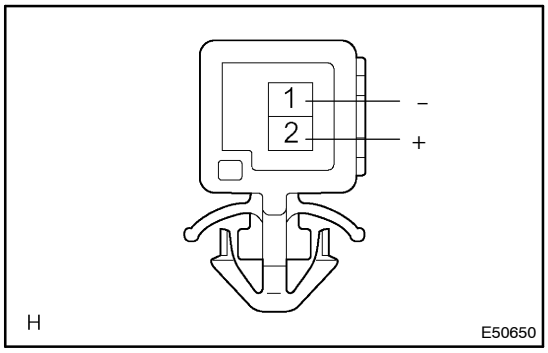
4. INSPECT BLOWER RESISTOR

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

Standard resistance:

Tester connection	Specified Condition
1 ⇔ 3	0.45 ± 0.03 Ω
1 ⇔ 2	1.00 ± 0.07 Ω
1 ⇔ 4	2.42 ± 0.17 Ω

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



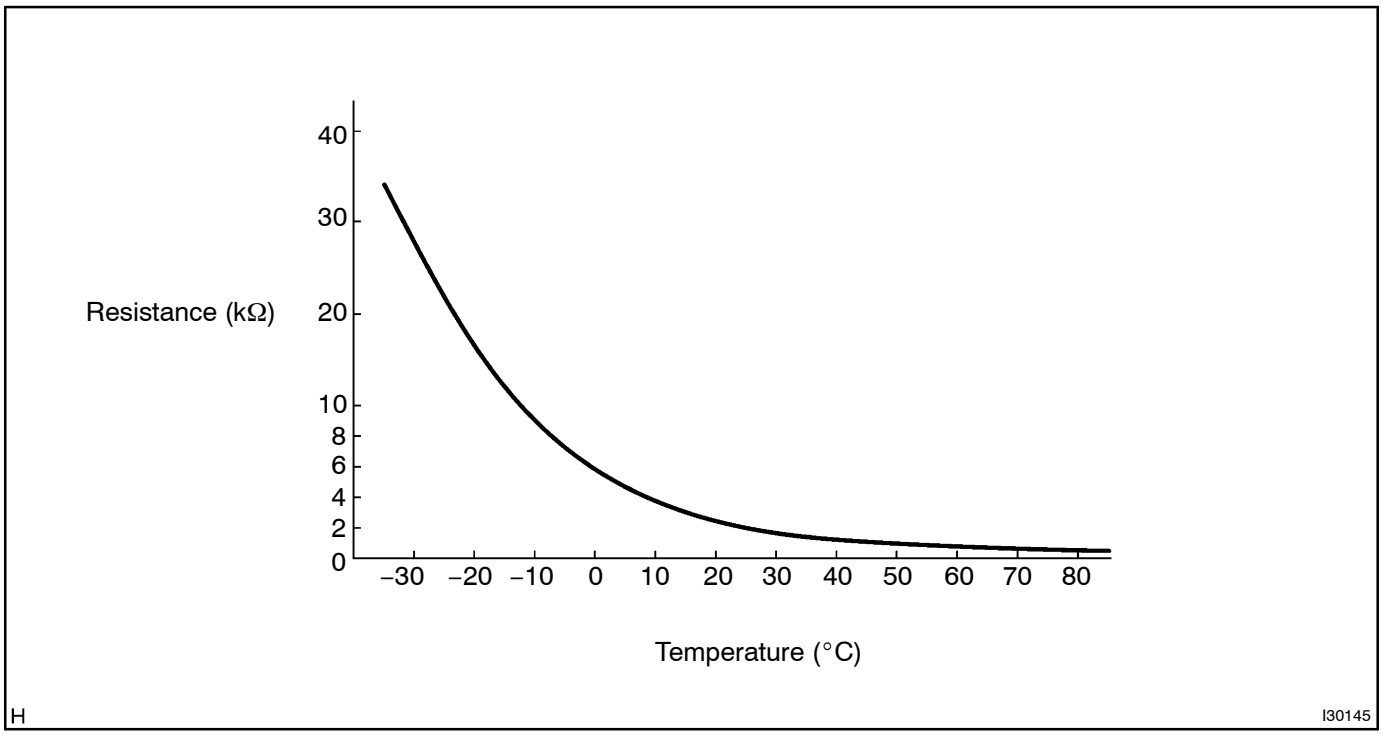
5. INSPECT COOLER THERMISTOR NO.1

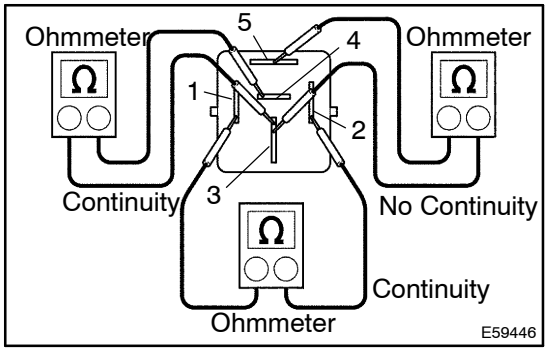
(a) Measure the resistance between the connector terminals.

Standard resistance:

Condition	Specified Condition
0°C (32°C)	4.6 – 5.1 kΩ
15°C (59°C)	2.1 – 2.6 kΩ

If the result is not as specified, replace the thermistor.





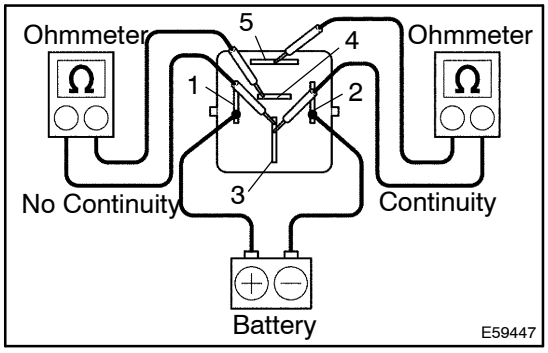
6. INSPECT HEATER BLOWER MOTOR RELAY ASSY

(a) Remove the relay.

(b) Inspect the relay continuity.

Using an ohmmeter, check the continuity between the terminals.

Terminals	Specified Condition
1 – 2	Continuity
3 – 4	Continuity
4 – 5	No Continuity

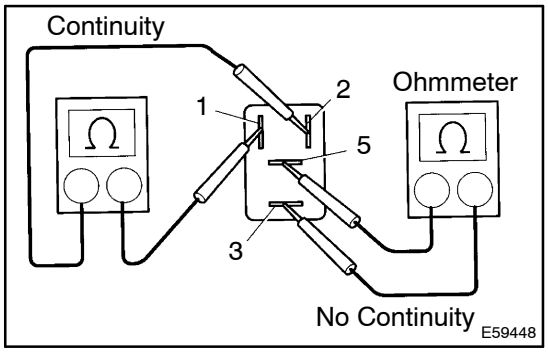


(c) Inspect the relay operation.
Using an ohmmeter, check the continuity between the terminals when applying battery positive voltage across terminals 1 and 2.

Terminals	Specified Condition
3 – 4	No Continuity
4 – 5	Continuity

If the result is not as specified, replace relay assy.

(d) Reinstall the relay.



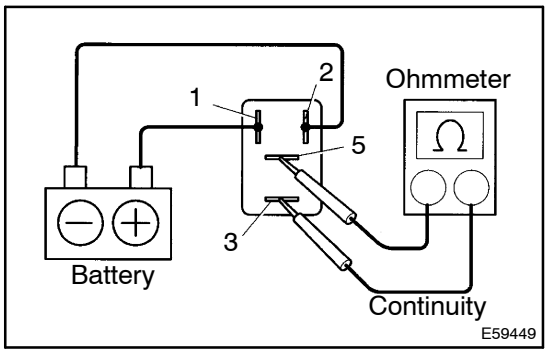
7. INSPECT MAGNETIC CLUTCH RELAY

(a) Remove the relay.

(b) Inspect the relay continuity.
Using an ohmmeter, check the continuity between the terminals.

Terminals	Specified Condition
1 – 2	Continuity
3 – 5	No Continuity

If the result is not as specified, replace it.



(c) Inspect the relay operation.
(1) Apply battery positive voltage across terminals 1 and 2.
(2) Using an ohmmeter, check there is continuity between terminal 3 and 5.

If the result is not as specified, replace relay.

(d) Reinstall the relay.