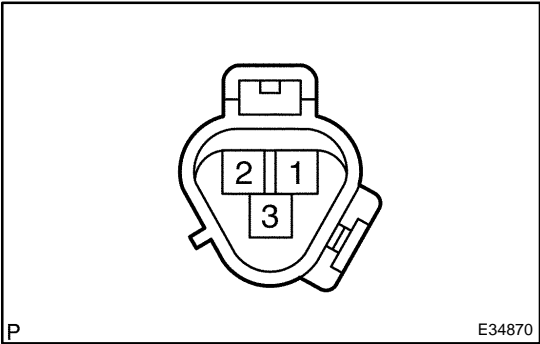


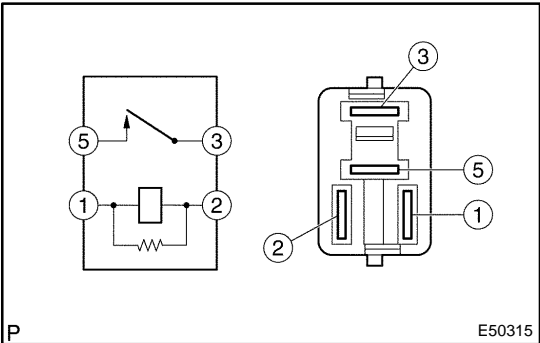
INSPECTION



1. COOLER COMPRESSOR ASSY

- (a) Connect the positive (+) lead from the battery to terminal 3 and the negative (–) lead to the body ground.
- (b) Check that the magnet clutch energized.
- (c) Measure resistance between terminals 1 and 2.

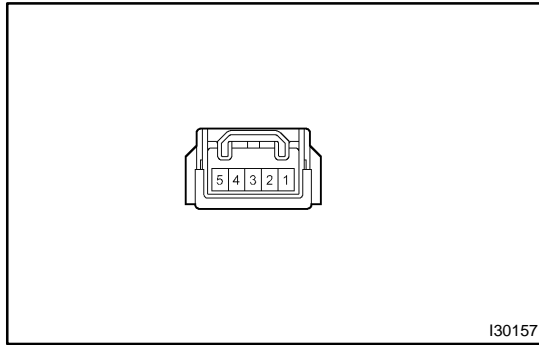
If operation is not as specified, replace the magnet clutch assy.
Standard resistance: 165 – 205 Ω at 20 °C (68 °F)
If resistance is not as specified, replace the cooler compressor assy.



2. MAGNET-CLUTCH RELAY

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.



3. AIRMIX DAMPER SERVO SUB-ASSY

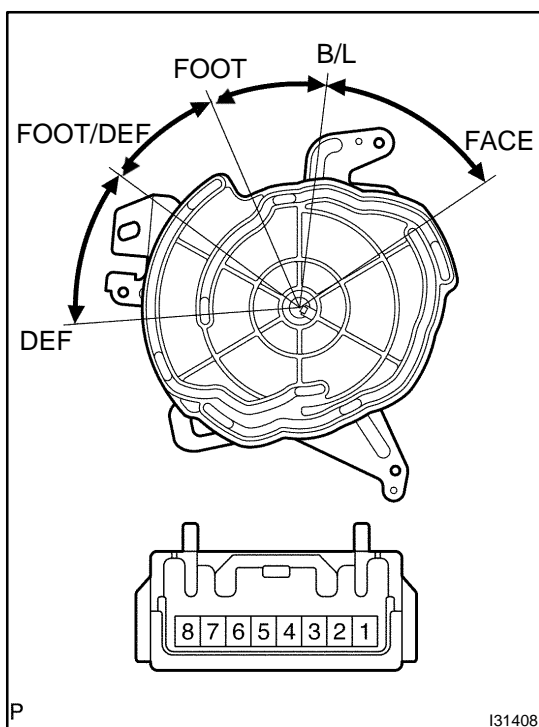
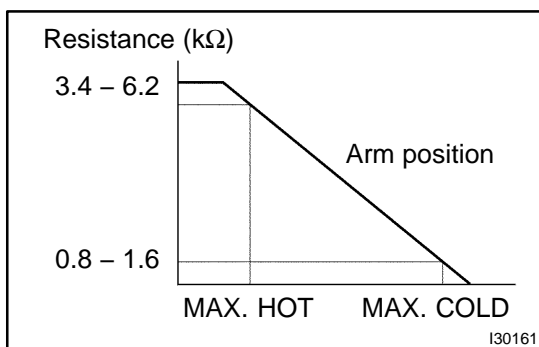
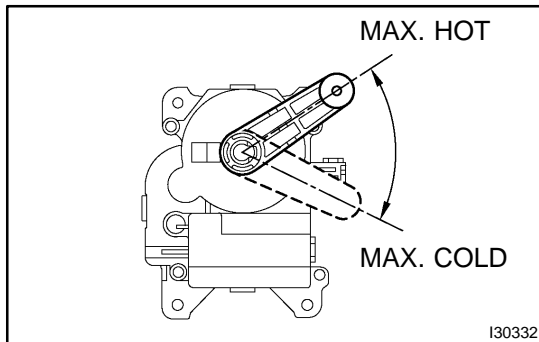
- (a) Inspect servomotor operation.
- (1) Connect the positive (+) lead from the battery to terminal 4 and negative (–) lead to terminal 5, then check that the arm turns to "COLD" side smoothly.
 - (2) Connect the positive (+) lead from the battery to terminal 5 and negative (–) lead to terminal 4, then check that the arm turns to "HOT" side smoothly.

If operations are not as specified, replace the air mix servomotor.

- (b) Inspect position sensor resistance.
Measure resistance between terminals at servomotor arm each position as shown in the chart.

Tester connection	Condition	Specified condition
1 – 2	Constant	4.2 – 7.8 k Ω
1 – 3	Arm position at "COLD"	0.8 – 1.6 k Ω
1 – 3	Arm position at "HOT"	3.4 – 6.2 k Ω

If resistance is not as specified, replace the servomotor.

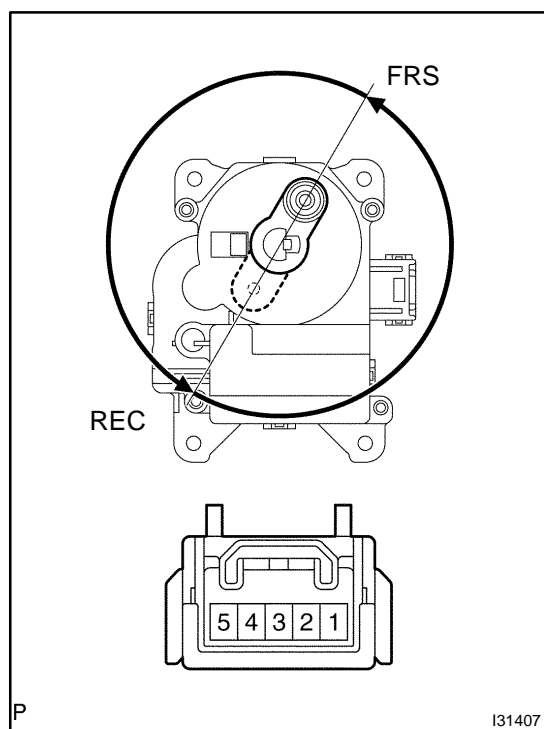


4. MODE DAMPER SERVO SUB-ASSY

- (a) Inspect servomotor operation.
- (1) Connect the positive (+) lead from the battery to terminal 7 and the negative (–) lead to terminal 8.
 - (2) Connect the negative (–) lead from the battery to each terminal as shown in the chart, and check that the shaft rotates at each position, as shown in the illustration.

Connected terminal	Position
1	DEF
2	FOOT/DEF
3	FOOT
5	B/L
6	FACE

If operation is not as specified, replace the servomotor.

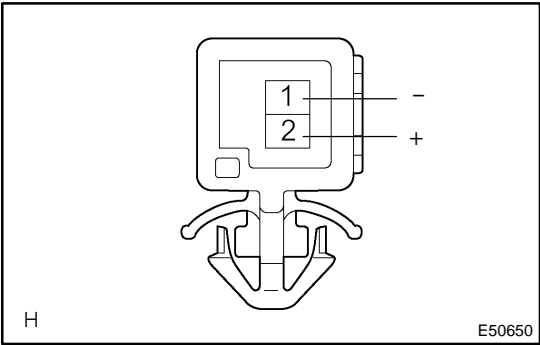


5. RECIRCULATION DAMPER SERVO SUB-ASSY

(a) Inspect servomotor operation.

- (1) Connect the positive (+) lead from the battery to terminal 5 and negative (–) lead to terminal 1, then check that the arm turns to "REC" side smoothly.
- (2) Connect the positive (+) lead from the battery to terminal 5 and negative (–) lead to terminal 2, then check that the arm turns to "FRS" side smoothly.

If operations are not as specified, replace the mode damper servomotor.



6. COOLER THERMISTOR NO.1

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

Standard:

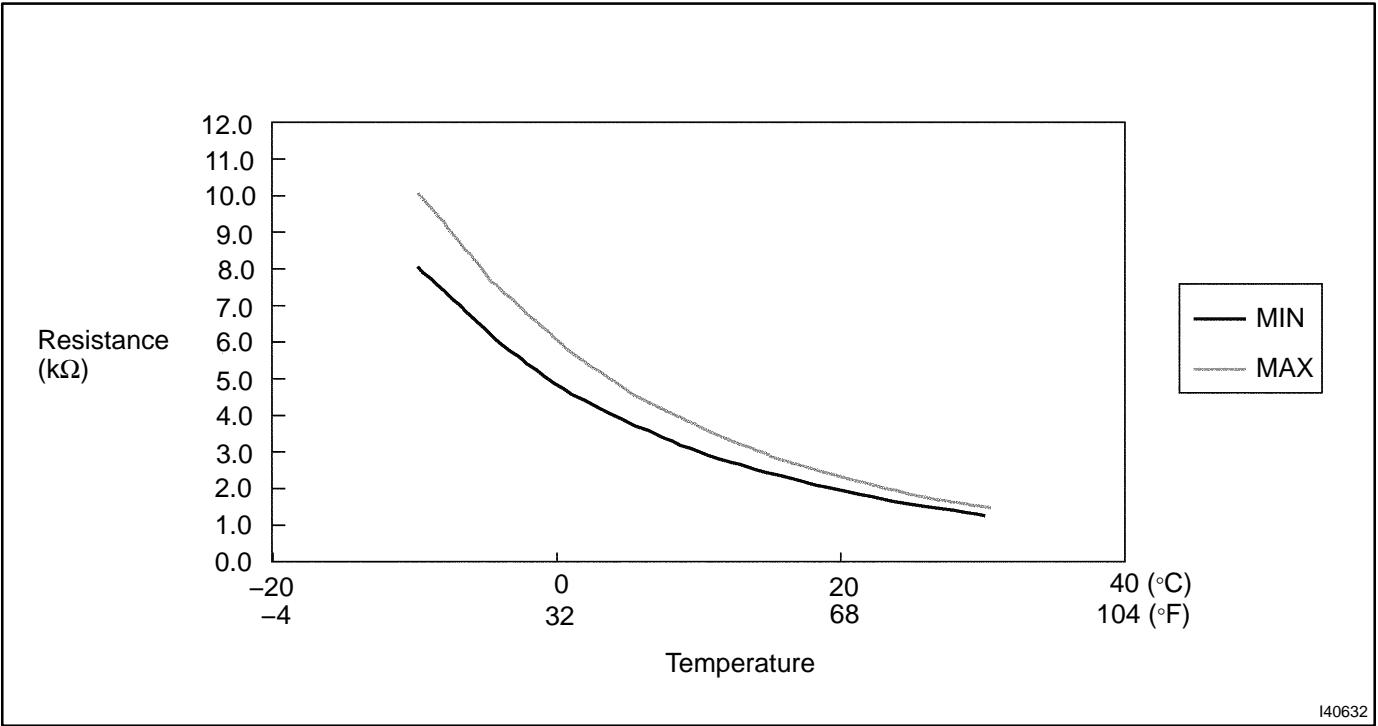
Tester connection	Condition	Specified condition
1 – 2	–10°C (14°F)	8.00 to 10.00 kΩ
1 – 2	–5°C (23°F)	6.15 to 7.65 kΩ
1 – 2	0°C (32°F)	4.75 to 5.85 kΩ
1 – 2	5°C (41°F)	3.70 to 4.55 kΩ
1 – 2	10°C (50°F)	2.91 to 3.55 kΩ
1 – 2	15°C (59°F)	2.32 to 2.80 kΩ
1 – 2	20°C (68°F)	1.85 to 2.22 kΩ
1 – 2	25°C (77°F)	1.48 to 1.77 kΩ
1 – 2	30°C (86°F)	1.20 to 1.43 kΩ

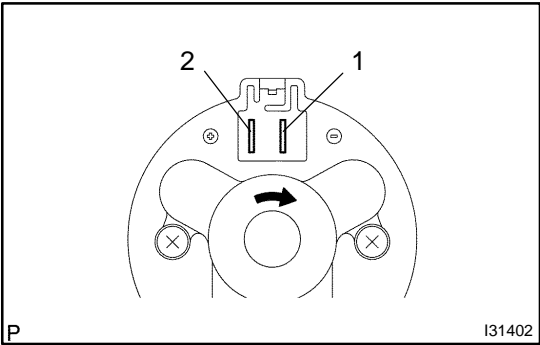
NOTICE:

Even slightly touching the sensor may change the resistance value.Be sure to hold the connector of the sensor.

HINT:

As the temperature increases, the resistance decreases (see the chart below).

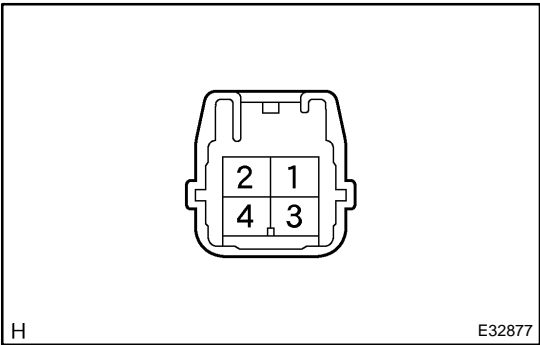




7. BLOWER W/FAN MOTOR SUB-ASSY

- (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.

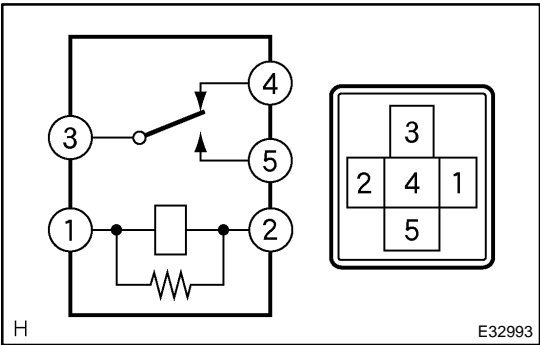


8. BLOWER RESISTOR

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

Tester connection	Specified condition
1 – 2	1.398 – 1.605 Ω
1 – 3	0.465 – 0.535 Ω
1 – 4	3.069 – 3.531 Ω

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



9. HEATER BLOWER MOTOR RELAY ASSY

Condition	Tester connection	Specified condition
Constant	1 – 2 3 – 4	Continuity
Apply B + between terminals 1 and 2.	3 – 5	Continuity

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