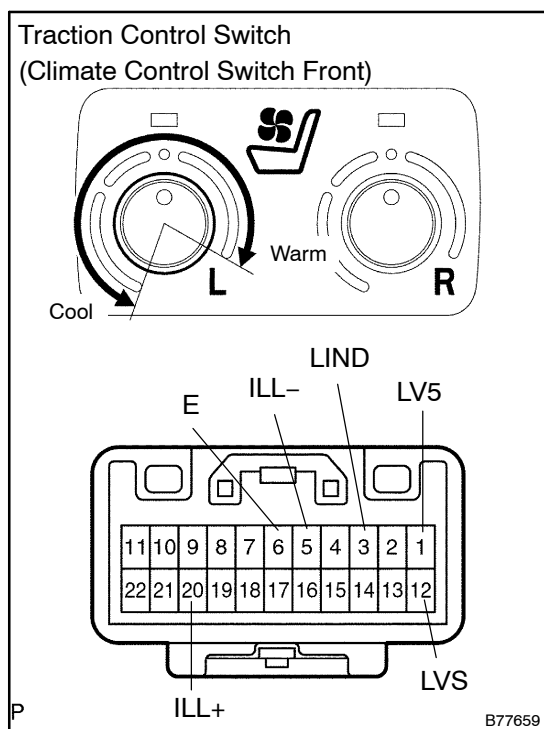


## INSPECTION



## 1. Driver's side:

**INSPECT TRACTION CONTROL SWITCH (CLIMATE CONTROL SWITCH FRONT)**

- (a) Measure the resistance between the terminals when the switch is operated.

**Standard:**

| Tester Connection  | Condition                              | Specified Condition |
|--------------------|----------------------------------------|---------------------|
| 1 (LV5) - 12 (LVS) | Switch ON (LH)<br>Max.COOL to Max.WARM | Below 1 to 5 kΩ     |

**HINT:**

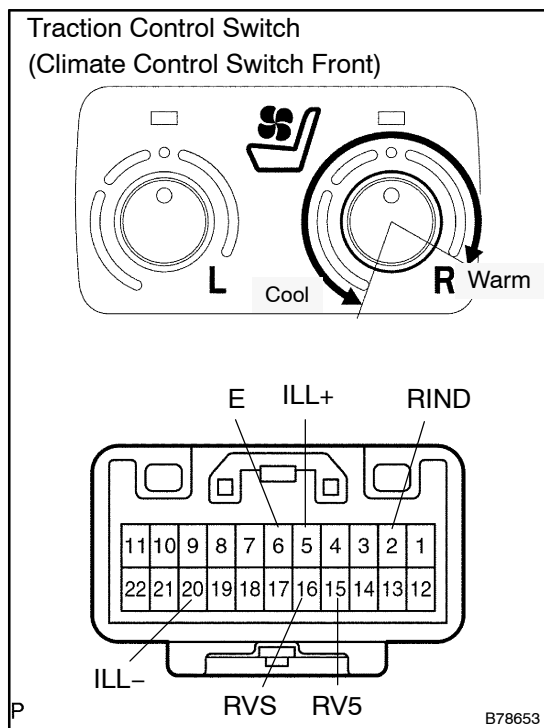
As the dial is being turned, the resistance changes gradually.  
If the result is not as specified, replace the seat heater switch.

- (b) Check that the seat heater switch indicator illuminates.

**OK:**

| Measurement Condition                                                                 | Condition | Specified Condition |
|---------------------------------------------------------------------------------------|-----------|---------------------|
| Battery positive (+) → Terminal 3 (LIND)<br>Battery negative (-) → Terminal 6 (E)     | Constant  | Illuminates         |
| Battery positive (+) → Terminal 20 (ILL+)<br>Battery negative (-) → Terminal 5 (ILL-) | Constant  | Illuminates         |

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



## 2. Passenger's side:

**INSPECT TRACTION CONTROL SWITCH (CLIMATE CONTROL SWITCH FRONT)**

- (a) Measure the resistance between the terminals when the switch is operated.

**Standard:**

| Tester Connection   | Condition                              | Specified Condition |
|---------------------|----------------------------------------|---------------------|
| 15 (RV5) - 16 (RVS) | Switch ON (RH)<br>Max.COOL to Max.WARM | Below 1 to 5 kΩ     |

**HINT:**

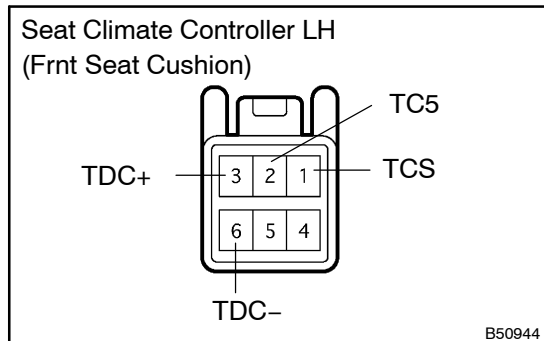
As the dial is being turned, the resistance changes gradually.  
If the result is not as specified, replace the seat heater switch.

- (b) Check that the seat heater switch indicator illuminates.

**OK:**

| Measurement Condition                                                                 | Condition | Specified Condition |
|---------------------------------------------------------------------------------------|-----------|---------------------|
| Battery positive (+) → Terminal 2 (RIND)<br>Battery negative (-) → Terminal 6 (E)     | Constant  | Illuminates         |
| Battery positive (+) → Terminal 20 (ILL+)<br>Battery negative (-) → Terminal 5 (ILL-) | Constant  | Illuminates         |

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



### 3. INSPECT SEAT CLIMATE CONTROLLER LH (FRONT SEAT CUSHION)

- (a) Measure the resistance between the terminals.

#### Standard:

| Tester Connection   | Condition | Specified Condition |
|---------------------|-----------|---------------------|
| 3 (TDC+) – 6 (TDC-) | Constant  | Below 1 $\Omega$    |

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

- (b) Measure the thermistor resistance between the terminals.

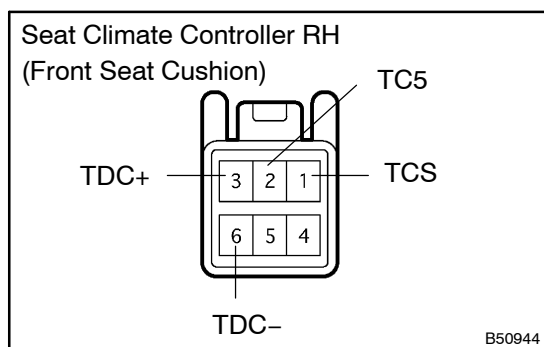
#### Standard:

| Tester Connection | Condition                             | Specified Condition   |
|-------------------|---------------------------------------|-----------------------|
| 1 (TCS) – 2 (TC5) | Controller temperature<br>10°C (50°F) | 3.6 to 3.8 k $\Omega$ |
| 1 (TCS) – 2 (TC5) | Controller temperature<br>25°C (77°F) | 1.9 to 2.1 k $\Omega$ |
| 1 (TCS) – 2 (TC5) | Controller temperature<br>30°C (86°F) | 1.6 to 1.7 k $\Omega$ |

#### HINT:

As the temperature increases, the resistance decreases.

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



### 4. INSPECT SEAT CLIMATE CONTROLLER RH (FRONT SEAT CUSHION)

- (a) Measure the resistance between the terminals.

#### Standard:

| Tester Connection   | Condition | Specified Condition |
|---------------------|-----------|---------------------|
| 3 (TDC+) – 6 (TDC-) | Constant  | Below 1 $\Omega$    |

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

- (b) Measure the thermistor resistance between the terminals.

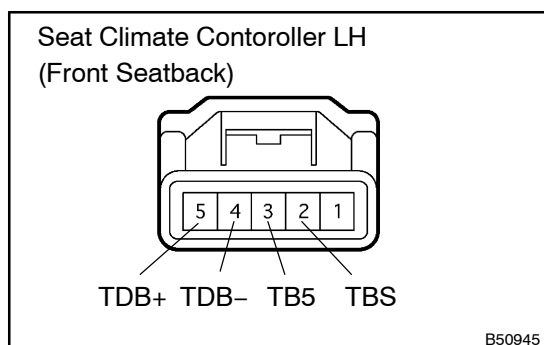
#### Standard:

| Tester Connection | Condition                             | Specified Condition   |
|-------------------|---------------------------------------|-----------------------|
| 1 (TCS) – 2 (TC5) | Controller temperature<br>10°C (50°F) | 3.6 to 3.8 k $\Omega$ |
| 1 (TCS) – 2 (TC5) | Controller temperature<br>25°C (77°F) | 1.9 to 2.1 k $\Omega$ |
| 1 (TCS) – 2 (TC5) | Controller temperature<br>30°C (86°F) | 1.6 to 1.7 k $\Omega$ |

#### HINT:

As the temperature increases, the resistance decreases.

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



### 5. INSPECT SEAT CLIMATE CONTROLLER LH (FRONT SEATBACK)

- (a) Measure the resistance between the terminals.

#### Standard:

| Tester Connection   | Condition | Specified Condition |
|---------------------|-----------|---------------------|
| 4 (TDB-) – 5 (TDB+) | Constant  | Below 1 $\Omega$    |

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

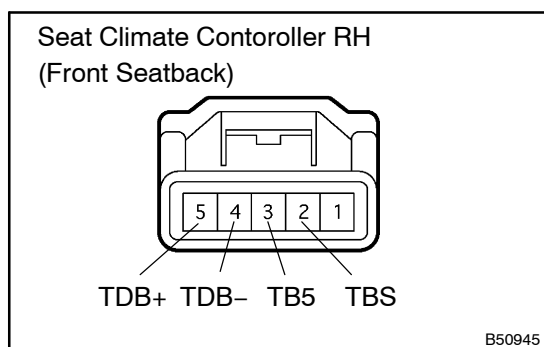
- (b) Measure the thermistor resistance between the terminals.

**Standard:**

| Tester Connection | Condition                             | Specified Condition |
|-------------------|---------------------------------------|---------------------|
| 2 (TBS) – 3 (TB5) | Controller temperature<br>10°C (50°F) | 3.6 to 3.8 kΩ       |
| 2 (TBS) – 3 (TB5) | Controller temperature<br>25°C (77°F) | 1.9 to 2.1 kΩ       |
| 2 (TBS) – 3 (TB5) | Controller temperature<br>30°C (86°F) | 1.6 to 1.7 kΩ       |

**HINT:**

As the temperature increases, the resistance decreases.  
If the result is not as specified, replace the controller.



**6. INSPECT SEAT CLIMATE CONTROLLER RH (FRONT SEATBACK)**

- (a) Measure the resistance between the terminals.

**Standard:**

| Tester Connection   | Condition | Specified Condition |
|---------------------|-----------|---------------------|
| 4 (TDB-) – 5 (TDB+) | Constant  | Below 1 Ω           |

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

- (b) Measure the thermistor resistance between the terminals.

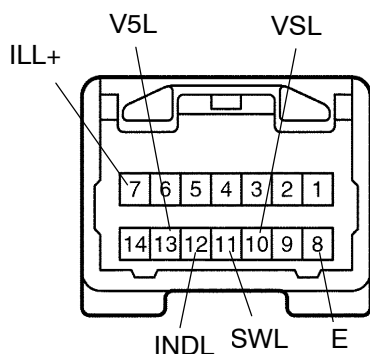
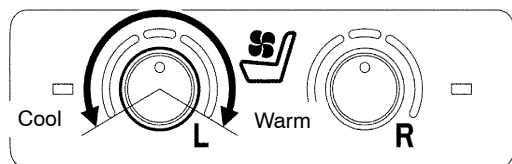
**Standard:**

| Tester Connection | Condition                             | Specified Condition |
|-------------------|---------------------------------------|---------------------|
| 2 (TBS) – 3 (TB5) | Controller temperature<br>10°C (50°F) | 3.6 to 3.8 kΩ       |
| 2 (TBS) – 3 (TB5) | Controller temperature<br>25°C (77°F) | 1.9 to 2.1 kΩ       |
| 2 (TBS) – 3 (TB5) | Controller temperature<br>30°C (86°F) | 1.6 to 1.7 kΩ       |

**HINT:**

As the temperature increases, the resistance decreases.  
If the result is not as specified, replace the controller.

Climate Control Seat Switch LH (Rear)



P

B77680

## 7. INSPECT CLIMATE CONTROL SEAT SWITCH LH (REAR)

- (a) Measure the resistance between the terminals when the switch is operated.

### Standard:

| Tester Connection   | Condition                              | Specified Condition |
|---------------------|----------------------------------------|---------------------|
| 10 (VSL) – 13 (V5L) | Switch ON (LH)<br>Max.COOL to Max.WARM | Below 1 to 5 kΩ     |
| 11 (SWL) – 8 (E)    | ON                                     | Below 1 Ω           |
| 11 (SWL) – 8 (E)    | OFF                                    | 10 kΩ or higher     |

### HINT:

As the dial is being turned, the resistance changes gradually. If the result is not as specified, replace the seat heater switch.

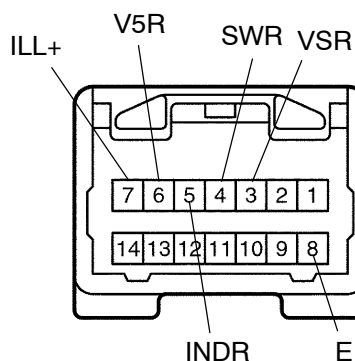
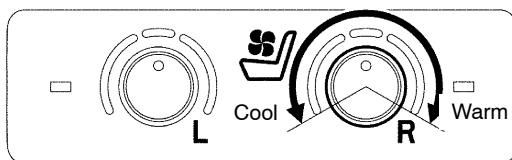
- (b) Check that the seat heater switch indicator illuminates.

### OK:

| Measurement Condition                                                              | Condition | Specified Condition |
|------------------------------------------------------------------------------------|-----------|---------------------|
| Battery positive (+) → Terminal 7 (ILL+)<br>Battery negative (-) → Terminal 8 (E)  | Constant  | Illuminates         |
| Battery positive (+) → Terminal 12 (INDL)<br>Battery negative (-) → Terminal 8 (E) | Constant  | Illuminates         |

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

Climate Control Seat Switch LH (Rear)



P

B78654

## 8. INSPECT CLIMATE CONTROL SEAT SWITCH RH (REAR)

- (a) Measure the resistance between the terminals when the switch is operated.

### Standard:

| Tester Connection | Condition                              | Specified Condition |
|-------------------|----------------------------------------|---------------------|
| 3 (VSR) – 6 (V5R) | Switch ON (RH)<br>Max.COOL to Max.WARM | Below 1 Ω to 5 kΩ   |
| 4 (SWR) – 8 (E)   | ON                                     | Below 1 Ω           |
| 4 (SWR) – 8 (E)   | OFF                                    | 10 kΩ or higher     |

### HINT:

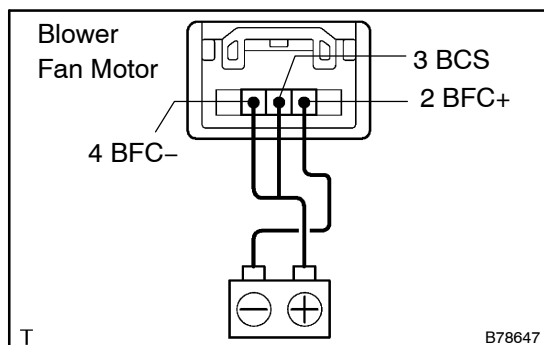
As the dial is being turned, the resistance changes gradually. If the result is not as specified, replace the seat heater switch.

- (b) Check that the seat heater switch indicator illuminates.

### OK:

| Measurement Condition                                                              | Condition | Specified Condition |
|------------------------------------------------------------------------------------|-----------|---------------------|
| Battery positive (+) → Terminal 7 (ILL+)<br>Battery negative (-) → Terminal 8 (E)  | Constant  | Illuminates         |
| Battery positive (+) → Terminal 12 (INDR)<br>Battery negative (-) → Terminal 8 (E) | Constant  | Illuminates         |

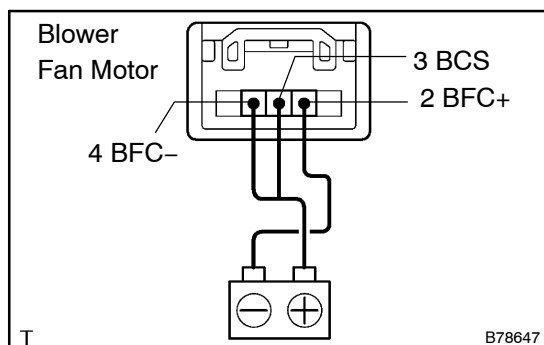
If the result is not as specified, replace the switch or bulb.



### 9. INSPECT SEAT CLIMATE CONTROL BLOWER LH (REAR SEAT CUSHION)

- (a) Connect the battery's positive (+) lead to terminals 3 (BCS) and 4 (BFC-), and the negative (-) lead to terminal 2 (BFC+). Check that the blower fan motor operates smoothly.

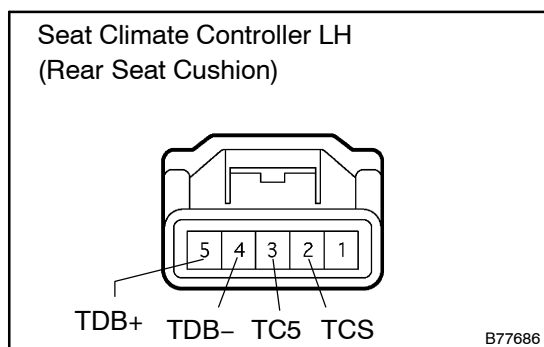
If the result is not as specified, replace the blower fan motor.



### 10. INSPECT SEAT CLIMATE CONTROL BLOWER RH (REAR SEAT CUSHION)

- (a) Connect the battery's positive (+) lead to terminals 3 (BCS) and 4 (BFC-), and the negative (-) lead to terminal 2 (BFC+). Check that the blower fan motor operates smoothly.

If the result is not as specified, replace the blower fan motor.



### 11. INSPECT SEAT CLIMATE CONTROLLER LH (REAR SEAT CUSHION)

- (a) Measure the resistance between the terminals when the switch is operated.

#### Standard:

| Tester Connection   | Condition | Specified Condition |
|---------------------|-----------|---------------------|
| 4 (TDB-) - 5 (TDB+) | Constant  | Below 1 $\Omega$    |

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

- (b) Measure the thermistor resistance between the terminals.

#### Standard:

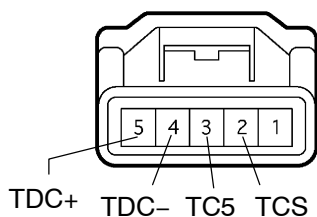
| Tester Connection | Condition                          | Specified Condition   |
|-------------------|------------------------------------|-----------------------|
| 2 (TCS) - 3 (TC5) | Controller temperature 10°C (50°F) | 3.6 to 3.8 k $\Omega$ |
| 2 (TCS) - 3 (TC5) | Controller temperature 25°C (77°F) | 1.9 to 2.1 k $\Omega$ |
| 2 (TCS) - 3 (TC5) | Controller temperature 30°C (86°F) | 1.6 to 1.7 k $\Omega$ |

#### HINT:

As the temperature increases, the resistance decreases.

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

Seat Climate Controller RH  
(Rear Seat Cushion)



B77686

## 12. INSPECT SEAT CLIMATE CONTROLLER RH (REAR SEAT CUSHION)

- (a) Measure the resistance between the terminals when the switch is operated.

### Standard:

| Tester Connection   | Condition | Specified Condition |
|---------------------|-----------|---------------------|
| 4 (TDC-) – 5 (TDC+) | Constant  | Below 1 $\Omega$    |

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

- (b) Measure the thermistor resistance between the terminals

### Standard:

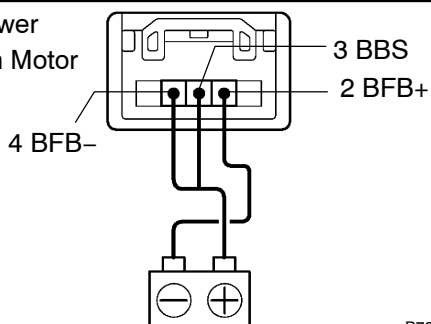
| Tester Connection | Condition                             | Specified Condition   |
|-------------------|---------------------------------------|-----------------------|
| 2 (TCS) – 3 (TC5) | Controller temperature<br>10°C (50°F) | 3.6 to 3.8 k $\Omega$ |
| 2 (TCS) – 3 (TC5) | Controller temperature<br>25°C (77°F) | 1.9 to 2.1 k $\Omega$ |
| 2 (TCS) – 3 (TC5) | Controller temperature<br>30°C (86°F) | 1.6 to 1.7 k $\Omega$ |

### HINT:

As the temperature increases, the resistance decreases.

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

Blower  
Fan Motor



T

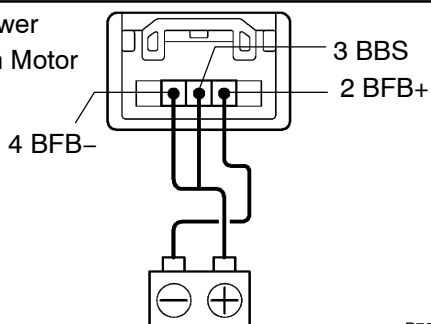
B78647

## 13. INSPECT SEAT CLIMATE CONTROL BLOWER LH (REAR SEATBACK)

- (a) Connect the battery's positive (+) lead to terminals 3 (BBS) and 4 (BFB-), and the negative (-) lead to terminal 2 (BFB+). Check that the blower fan motor operates smoothly.

If the result is not as specified, replace the blower fan motor.

Blower  
Fan Motor



T

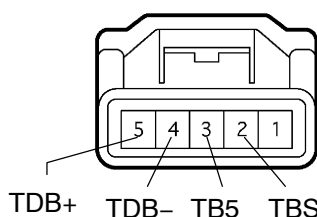
B78647

## 14. INSPECT SEAT CLIMATE CONTROL BLOWER RH (REAR SEATBACK)

- (a) Connect the battery's positive (+) lead to terminals 3 (BBS) and 4 (BFB-), and the negative (-) lead to terminal 2 (BFB+). Check that the blower fan motor operates smoothly.

If the result is not as specified, replace the blower fan motor.

Seat Climate Controller LH  
(Rear Seatback)



B77686

## 15. INSPECT SEAT CLIMATE CONTROLLER LH (REAR SEATBACK)

- (a) Measure the resistance between the terminals when the switch is operated.

### Standard:

| Tester Connection   | Condition | Specified Condition |
|---------------------|-----------|---------------------|
| 4 (TDB-) – 5 (TDB+) | Constant  | Below 1 $\Omega$    |

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

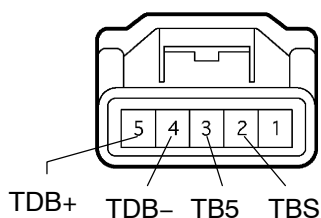
- (b) Measure the thermistor resistance between the terminals  
**Standard:**

| Tester Connection | Condition                             | Specified Condition |
|-------------------|---------------------------------------|---------------------|
| 2 (TBS) – 3 (TB5) | Controller temperature<br>10°C (50°F) | 3.6 to 3.8 kΩ       |
| 2 (TBS) – 3 (TB5) | Controller temperature<br>25°C (77°F) | 1.9 to 2.1 kΩ       |
| 2 (TBS) – 3 (TB5) | Controller temperature<br>30°C (86°F) | 1.6 to 1.7 kΩ       |

**HINT:**

As the temperature increases, the resistance decreases.  
 If the result is not as specified, replace the controller.

Seat Climate Controller RH  
 (Rear Seatback)



B77686

## 16. INSPECT SEAT CLIMATE CONTROLLER RH (REAR SEATBACK)

- (a) Measure the resistance between the terminals when the switch is operated.

**Standard:**

| Tester Connection   | Condition | Specified Condition |
|---------------------|-----------|---------------------|
| 4 (TDB-) – 5 (TDB+) | Constant  | Below 1 Ω           |

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

- (b) Measure the thermistor resistance between the terminals.

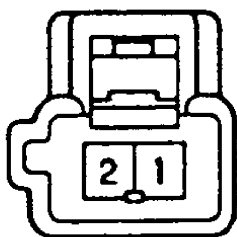
**Standard:**

| Tester Connection | Condition                             | Specified Condition |
|-------------------|---------------------------------------|---------------------|
| 2 (TBS) – 3 (TB5) | Controller temperature<br>10°C (50°F) | 3.6 to 3.8 kΩ       |
| 2 (TBS) – 3 (TB5) | Controller temperature<br>25°C (77°F) | 1.9 to 2.1 kΩ       |
| 2 (TBS) – 3 (TB5) | Controller temperature<br>30°C (86°F) | 1.6 to 1.7 kΩ       |

**HINT:**

As the temperature increases, the resistance decreases.  
 If the result is not as specified, replace the controller.

Rear Wing Outer Heater LH



B30883

## 17. INSPECT REAR SEAT CUSHION HEATER ASSY LH

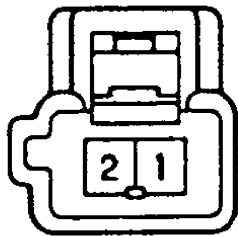
- (a) Measure the resistance between the terminals of the rear wing outer heater LH.

**Standard:**

| Tester Connection | Condition   | Specified Condition |
|-------------------|-------------|---------------------|
| 1 – 2             | 20°C (68°F) | 2.8 to 3.4 Ω        |

If the result is not as specified, replace the rear wing outer heater assy LH.

Rear Wing Inner Heater LH



B30883

- (b) Measure the resistance between the terminals of the rear wing inner heater LH.

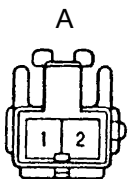
**Standard:**

| Tester Connection | Condition   | Specified Condition |
|-------------------|-------------|---------------------|
| 1 - 2             | 20°C (68°F) | 7.2 to 8.8 Ω        |

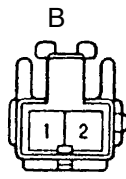
If the result is not as specified, replace the rear wing inner heater assy LH.

Rear Cushion Heater LH

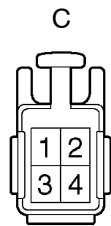
Rear Wing  
Inner Side



Rear Wing  
Inner Side



Rear Back side



B78956

- (c) Measure the resistance between the terminals of the rear cushion heater LH.

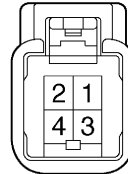
**Standard:**

| Tester Connection | Condition   | Specified Condition |
|-------------------|-------------|---------------------|
| A1 - B1           | 20°C (68°F) | 4.2 to 5.1 Ω        |
| C2 - C4           | 20°C (68°F) | 4.2 to 5.1 Ω        |
| A2 - B2           | Constant    | Below 1 Ω           |
| C1 - C3           | 25°C (77°F) | 2 kΩ                |

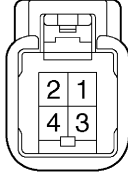
If the result is not as specified, replace the rear cushion heater assy LH.

Rear Seatback Heater LH

Rear Cushion Side  
A



S61  
Female Connector



B78954

**18. INSPECT REAR SEATBACK HEATER ASSY LH**

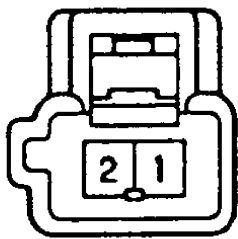
- (a) Measure the resistance between the terminals of the rear seatback heater LH.

**Standard:**

| Tester Connection | Condition   | Specified Condition |
|-------------------|-------------|---------------------|
| A2 - A4           | 20°C (68°F) | 5.4 to 6.6 Ω        |
| S60-4 - A2        | 20°C (68°F) | 5.4 to 6.6 Ω        |
| S60-2 - A4        | 20°C (68°F) | 5.4 to 6.6 Ω        |
| S60-1 - A1        | Constant    | Below 1 Ω           |
| S60-3 - A3        | Constant    | Below 1 Ω           |

If the result is not as specified, replace the rear seatback heater assy LH.

Rear Wing Outer Heater RH



B30883

19. INSPECT REAR SEAT CUSHION HEATER ASSY RH

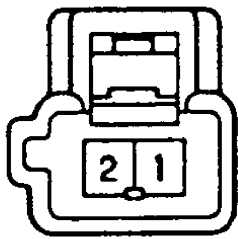
- (a) Measure the resistance between the terminals of the rear wing outer heater RH.

Standard:

| Tester Connection | Condition   | Specified Condition |
|-------------------|-------------|---------------------|
| 1 – 2             | 20°C (68°F) | 2.8 to 3.4 Ω        |

If the result is not as specified, replace the rear wing outer heater assy RH.

Rear Wing Inner Heater RH



B30883

- (b) Measure the resistance between the terminals of the rear wing inner heater RH.

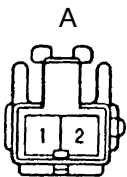
Standard:

| Tester Connection | Condition   | Specified Condition |
|-------------------|-------------|---------------------|
| 1 – 2             | 20°C (68°F) | 7.2 to 8.8 Ω        |

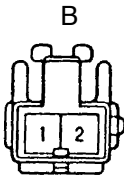
If the result is not as specified, replace the rear wing inner heater assy RH.

Rear Cushion Heater RH

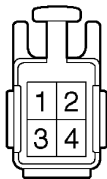
Rear Wing  
Inner Side



Rear Wing  
Inner Side



Rear Back Side  
C



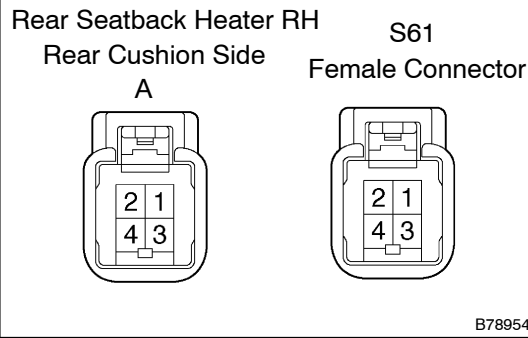
B78956

- (c) Check the resistance between the terminals of the rear cushion heater RH.

Standard:

| Tester Connection | Condition   | Specified Condition |
|-------------------|-------------|---------------------|
| A1 – B1           | 20°C (68°F) | 4.2 to 5.1 Ω        |
| C2 – C4           | 20°C (68°F) | 4.2 to 5.1 Ω        |
| A2 – B2           | Constant    | Below 1 Ω           |
| C1 – C3           | 25°C (77°F) | 2 kΩ                |

If the result is not as specified, replace the rear cushion heater assy RH.



**20. INSPECT REAR SEATBACK HEATER ASSY RH**

- (a) Measure the resistance between the terminals of the rear seatback heater RH.

**Standard:**

| Tester Connection | Condition   | Specified Condition |
|-------------------|-------------|---------------------|
| A2 - A4           | 20°C (68°F) | 5.4 to 6.6 Ω        |
| S61-4 - A2        | 20°C (68°F) | 5.4 to 6.6 Ω        |
| S61-2 - A4        | 20°C (68°F) | 5.4 to 6.6 Ω        |
| S61-1 - A1        | Constant    | Below 1 Ω           |
| S61-3 - A3        | Constant    | Below 1 Ω           |

If the result is not as specified, replace the rear seatback heater assy RH.