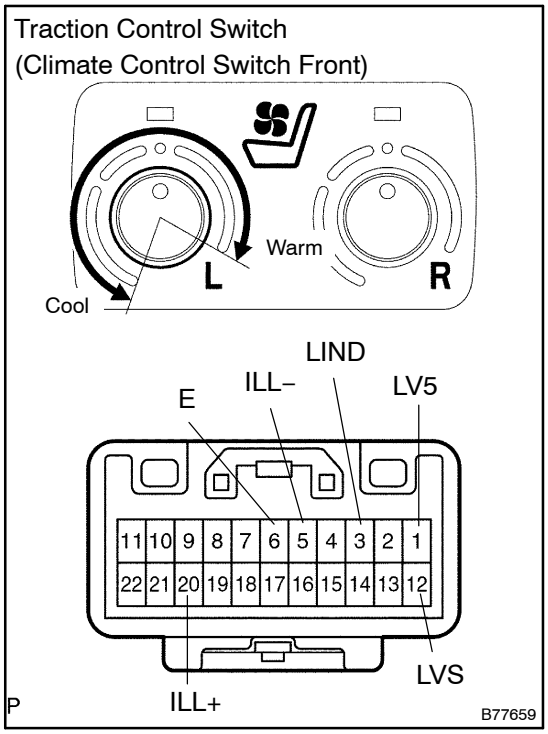
05J15–01

INSPECTION



1. Driver's side:

INSPECT TRACTION CONTROL SWITCH (CLIMATE CONTROL SWITCH FRONT)

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

Standard:

Tester Connection	Condition	Specified Condition
1 (LV5) – 12 (LVS)	Switch ON (LH) Max.COOL to Max.WARM	Below 1 to 5 kΩ

HINT:

As the dial is being turned, the resistance changes gradually.

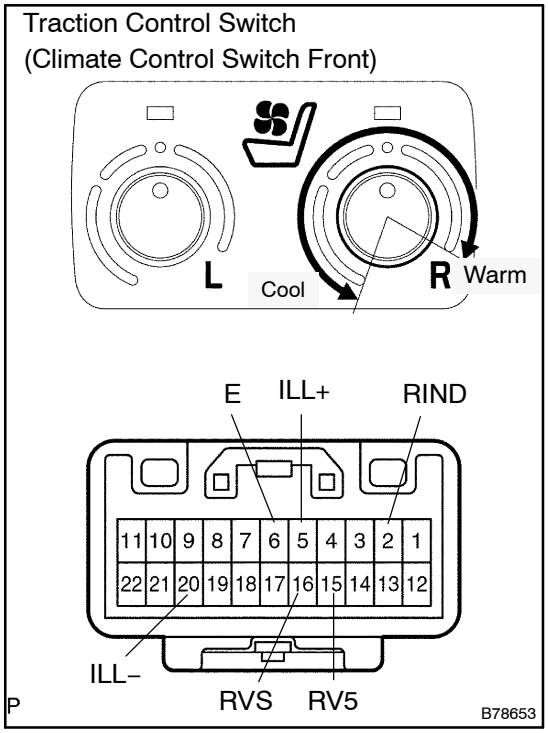
If the result is not as specified, replace the seat heater switch.

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

OK:

Measurement Condition	Condition	Specified Condition
Battery positive (+) → Terminal 3 (LIND) Battery negative (–) → Terminal 6 (E)	Constant	Illuminates
Battery positive (+) → Terminal 20 (ILL+) 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) Mesure the resistance between the terminals when the switch is operated.

Standard:

Tester Connection	Condition	Specified Condition
15 (RV5) – 16 (RVS)	Switch ON (RH) 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.

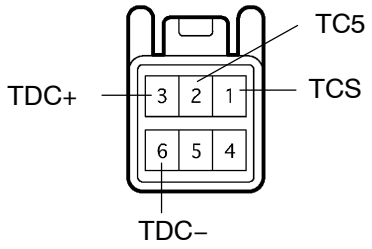
(b) Check that the seat heater switch indicator illuminates.

OK:

Measurement Condition	Condition	Specified Condition
Battery positive (+) → Terminal 2 (RIND) Battery negative (–) → Terminal 6 (E)	Constant	Illuminates
Battery positive (+) → Terminal 20 (ILL+) Battery negative (–) → Terminal 5 (ILL–)	Constant	Illuminates

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

Seat Climate Controller LH
(Frnt Seat Cushion)



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 Ω

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

(b) Measure the thermistor resistance between the terminals.

Standard:

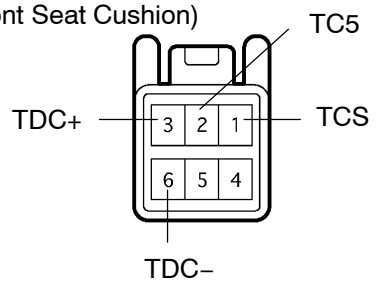
Tester Connection	Condition	Specified Condition
1 (TCS) – 2 (TC5)	Controller temperature 10°C (50°F)	3.6 to 3.8 kΩ
1 (TCS) – 2 (TC5)	Controller temperature 25°C (77°F)	1.9 to 2.1 kΩ
1 (TCS) – 2 (TC5)	Controller temperature 30°C (86°F)	1.6 to 1.7 kΩ

HINT:

As the temperature increases, the resistance decreases.

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

Seat Climate Controller RH
(Front Seat Cushion)



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 Ω

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

(b) Measure the thermistor resistance between the terminals.

Standard:

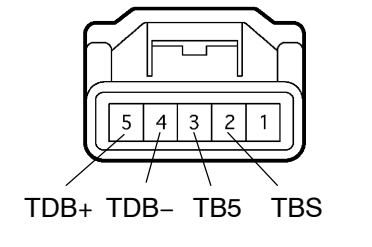
Tester Connection	Condition	Specified Condition
1 (TCS) – 2 (TC5)	Controller temperature 10°C (50°F)	3.6 to 3.8 kΩ
1 (TCS) – 2 (TC5)	Controller temperature 25°C (77°F)	1.9 to 2.1 kΩ
1 (TCS) – 2 (TC5)	Controller temperature 30°C (86°F)	1.6 to 1.7 kΩ

HINT:

As the temperature increases, the resistance decreases.

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

Seat Climate Contoroller LH
(Front Seatback)



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 Ω

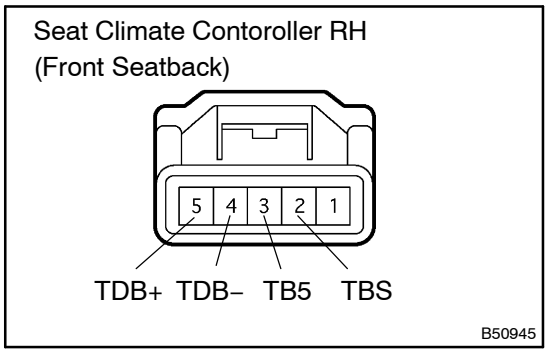
If the result is not as specified, replace the controller.

(b) Measure the thermistor resistance between the terminals.

Standard:

Tester Connection	Condition	Specified Condition
2 (TBS) – 3 (TB5)	Controller temperature 10°C (50°F)	3.6 to 3.8 kΩ
2 (TBS) – 3 (TB5)	Controller temperature 25°C (77°F)	1.9 to 2.1 kΩ
2 (TBS) – 3 (TB5)	Controller temperature 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

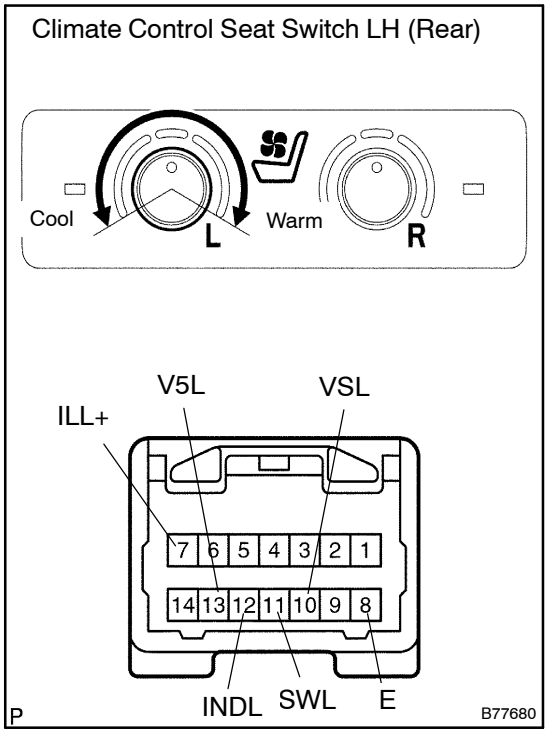
If the result is not as specified, replace the controller.

(b) Measure the thermistor resistance between the terminals.

Standard:

Tester Connection	Condition	Specified Condition
2 (TBS) – 3 (TB5)	Controller temperature 10°C (50°F)	3.6 to 3.8 kΩ
2 (TBS) – 3 (TB5)	Controller temperature 25°C (77°F)	1.9 to 2.1 kΩ
2 (TBS) – 3 (TB5)	Controller temperature 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.



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) 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.

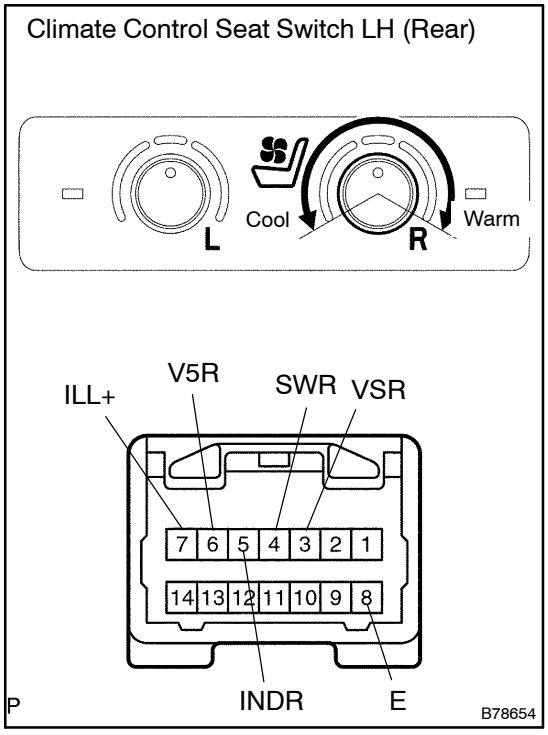
If the result is not as specified, replace the seat heater switch.

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

OK:

Measurement Condition	Condition	Specified Condition
Battery positive (+) → Terminal 7 (ILL+) Battery negative (–) → Terminal 8 (E)	Constant	Illuminates
Battery positive (+) → Terminal 12 (INDL) Battery negative (–) → Terminal 8 (E)	Constant	Illuminates

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



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) 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.

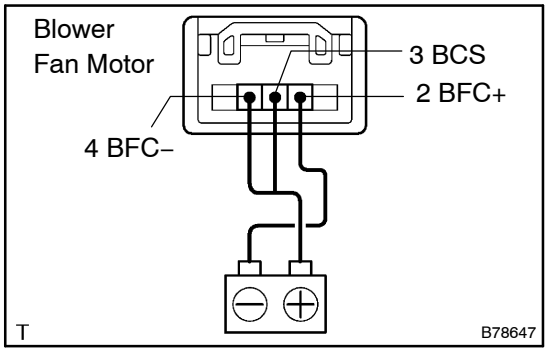
If the result is not as specified, replace the seat heater switch.

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

OK:

Measurement Condition	Condition	Specified Condition
Battery positive (+) → Terminal 7 (ILL+) Battery negative (–) → Terminal 8 (E)	Constant	Illuminates
Battery positive (+) → Terminal 12 (INDR) Battery negative (–) → Terminal 8 (E)	Constant	Illuminates

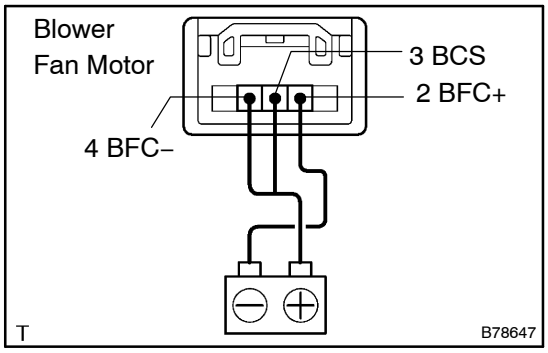
If the result is not as specified, replace the switch or bulb.



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.

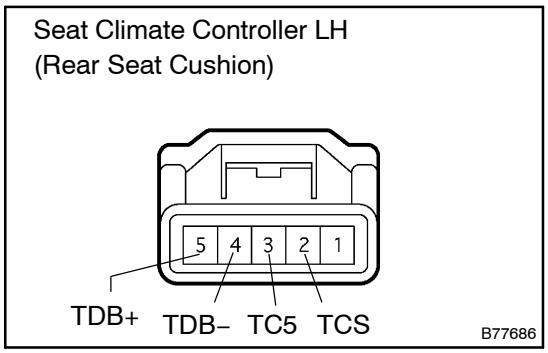
If the result is not as specified, replace the blower fan motor.



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 4 (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 Ω

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

(b) Measure the thermistor resistance between the terminals.

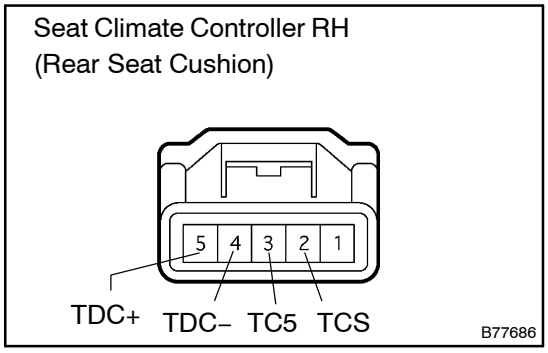
Standard:

Tester Connection	Condition	Specified Condition
2 (TCS) – 3 (TC5)	Controller temperature 10°C (50°F)	3.6 to 3.8 kΩ
2 (TCS) – 3 (TC5)	Controller temperature 25°C (77°F)	1.9 to 2.1 kΩ
2 (TCS) – 3 (TC5)	Controller temperature 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.



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 Ω

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

(b) Measure the thermistor resistance between the terminals

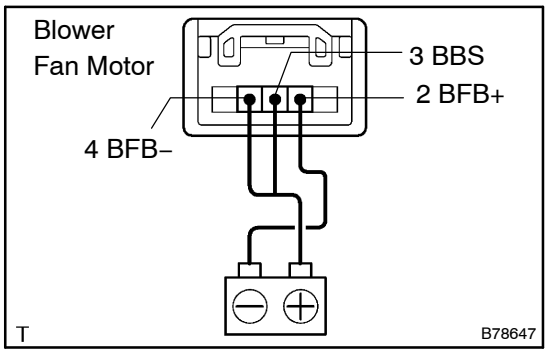
Standard:

Tester Connection	Condition	Specified Condition
2 (TCS) – 3 (TC5)	Controller temperature 10°C (50°F)	3.6 to 3.8 kΩ
2 (TCS) – 3 (TC5)	Controller temperature 25°C (77°F)	1.9 to 2.1 kΩ
2 (TCS) – 3 (TC5)	Controller temperature 30°C (86°F)	1.6 to 1.7 kΩ

HINT:

As the temperature increases, the resistance decreases.

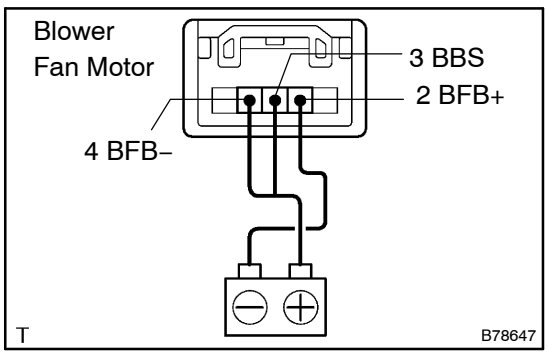
If the result is not as specified, replace the controller.



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.

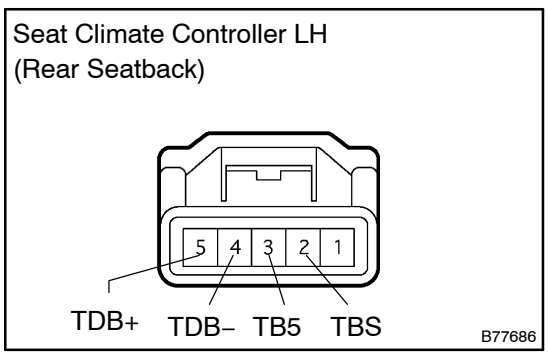
If the result is not as specified, replace the blower fan motor.



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.



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 Ω

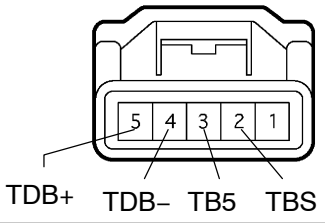
If the result is not as specified, replace the controller.

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

Tester Connection	Condition	Specified Condition
2 (TBS) – 3 (TB5)	Controller temperature 10°C (50°F)	3.6 to 3.8 kΩ
2 (TBS) – 3 (TB5)	Controller temperature 25°C (77°F)	1.9 to 2.1 kΩ
2 (TBS) – 3 (TB5)	Controller temperature 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)



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

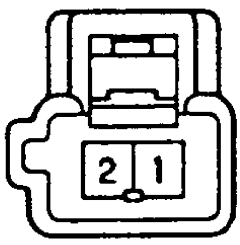
If the result is not as specified, replace the controller.

(b) Measure the thermistor resistance between the terminals.
Standard:

Tester Connection	Condition	Specified Condition
2 (TBS) – 3 (TB5)	Controller temperature 10°C (50°F)	3.6 to 3.8 kΩ
2 (TBS) – 3 (TB5)	Controller temperature 25°C (77°F)	1.9 to 2.1 kΩ
2 (TBS) – 3 (TB5)	Controller temperature 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

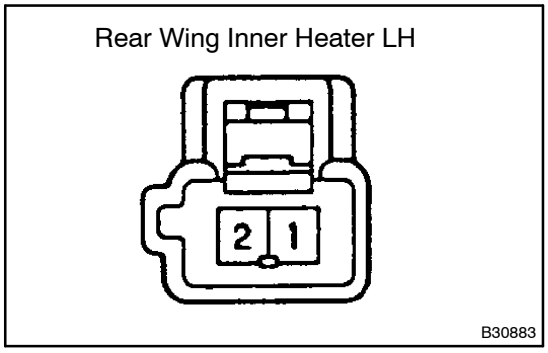


17. INSPECT REAR SEAT CUSHION HEATER ASSY LH

(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.

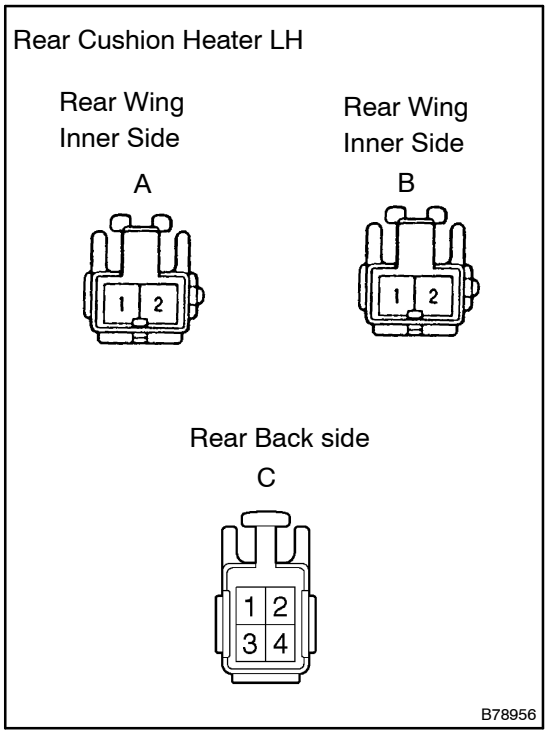


(b) Measure the resistance between the terminals of the rear wing inner heater LH.

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.

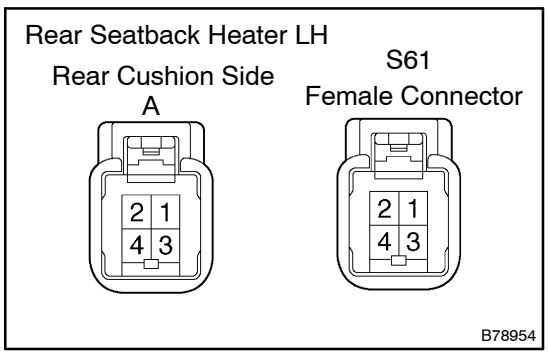


(c) Measure the resistance between the terminals of the rear cushion heater LH.

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.



18. INSPECT REAR SEATBACK HEATER ASSY LH

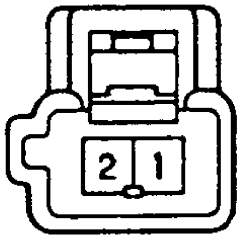
(a) Measure the resistance between the terminals of the rear seatback heater LH.

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



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19. INSPECT REAR SEAT CUSHION HEATER ASSY RH

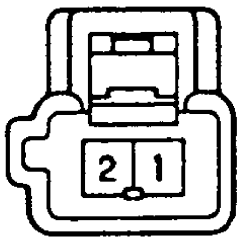
(a) Measure the resistance between the terminals of the rear wing outer heater RH.

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



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

Standard:

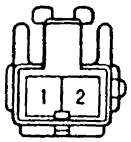
Tester Connection	Condition	Specified Condition
1 – 2	20°C (68°F)	7.2 to 8.8 Ω

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

Rear Cushion Heater RH

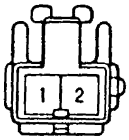
Rear Wing Inner Side

A



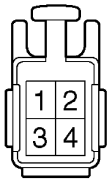
Rear Wing Inner Side

B



Rear Back Side

C



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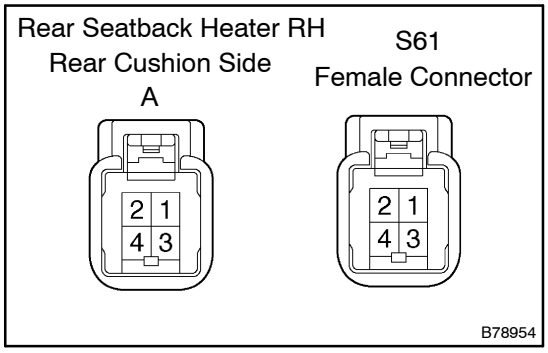
(c) Check the resistance between the terminals of the rear cushion heater RH.

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.