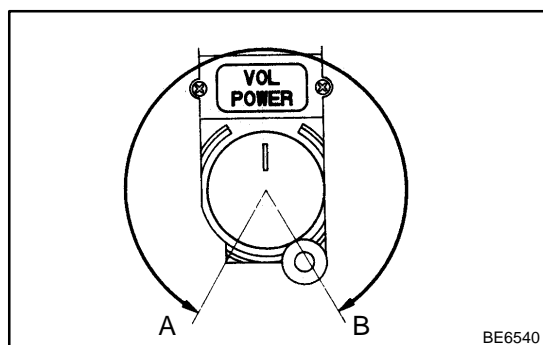


INSPECTION

1. Power Switch: INSPECT POWER SWITCH CONTINUITY

Switch position	Tester connection	Specified condition
OFF (Power switch released)	—	No continuity
ON (Power switch pushed in)	11 – 12	Continuity

If continuity is not as specified, replace the control panel.

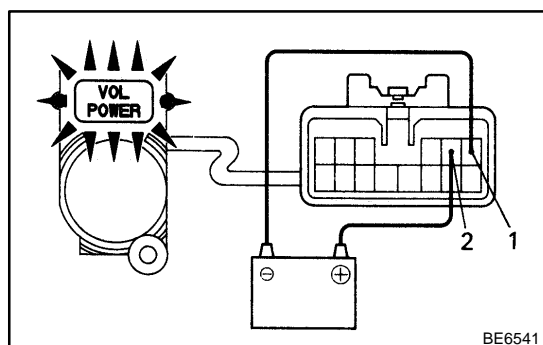


2. INSPECT POWER SWITCH RESISTANCE

Inspect the resistance between terminals.

Tester connection	Condition	Specified condition
11 – 13	Constant	Approx. 50 kΩ
11 – 14	Switch knob A→B	Approx. 0→50 kΩ

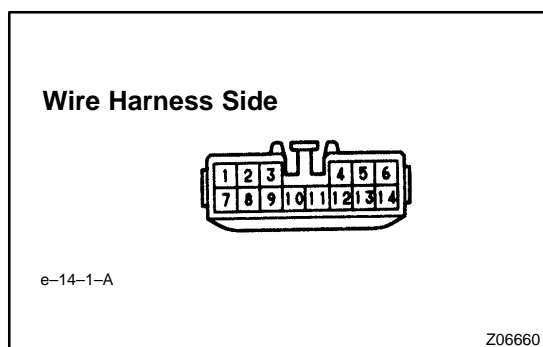
If resistance is not as specified, replace the control panel.



3. INSPECT POWER SWITCH ILLUMINATION

Connect the positive (+) lead from the battery to terminal 2 and the negative (–) lead to terminal 1, check that the illumination light lights up.

If the illumination light does not light up, replace the control panel.



4. INSPECT POWER SWITCH CIRCUIT

Disconnect the control panel connector and inspect the connector on wire harness side, as shown.

Tester connection	Condition	Specified condition
2 – Ground	Light control switch OFF	No voltage
2 – Ground	Light control switch TAIL or HEAD	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.

5. without CD player:**INSPECT RADIO RECEIVER ASSEMBLY CIRCUIT**

Disconnect the connectors from the radio receiver assembly.
Inspect the connector on the wire harness side, as shown.

Wire Harness Side

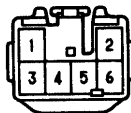
S-10-1-A

Connector "A"



e-6-1

Connector "B"



ie-6-1-A

Connector "C"



e-10-1

Connector "D"

Z06661

Tester connection	Condition	Specified condition
A7 – Ground	Constant	Continuity
A3 – Ground	Ignition switch LOCK	No voltage
A3 – Ground	Ignition switch ACC or ON	Battery positive voltage
A4 – Ground	Constant	Battery positive voltage
A10 – Ground	Light control switch OFF	No voltage
A10 – Ground	Light control switch TAIL or HEAD	Battery positive voltage

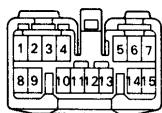
If circuit is not as specified, inspect the circuits connected to other parts.

HINT:

Check the wire harness between radio receiver assembly and the CD auto changer, between radio receiver assembly and power amplifier, in accordance with the wiring diagrams.

6. with CD player:**INSPECT RADIO RECEIVER ASSEMBLY CIRCUIT**

Disconnect the connectors from the radio receiver assembly.
Inspect the connector on the wire harness side, as shown.

Wire Harness Side

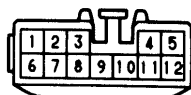
BE6542

Connector "A"



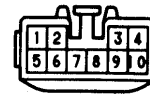
e-6-1

Connector "B"



e-12-1

Connector "C"



e-10-1

Connector "D"

Z06662

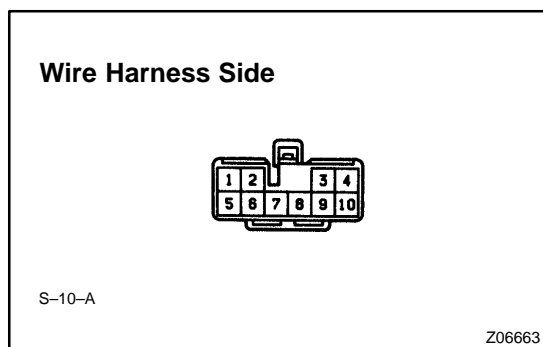
Tester connection	Condition	Specified condition
A2 – Ground	Light control switch OFF	No voltage
A2 – Ground	Light control switch TAIL or HEAD	Battery positive voltage
A3 – Ground	Ignition switch ACC or ON	Battery positive voltage

A3 – Ground	Ignition switch LOCK	No voltage
A4 – Ground	Constant	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.

HINT:

Check the wire harness between radio receiver assembly and the CD auto changer, between radio receiver assembly and power amplifier, in accordance with the wiring diagrams.

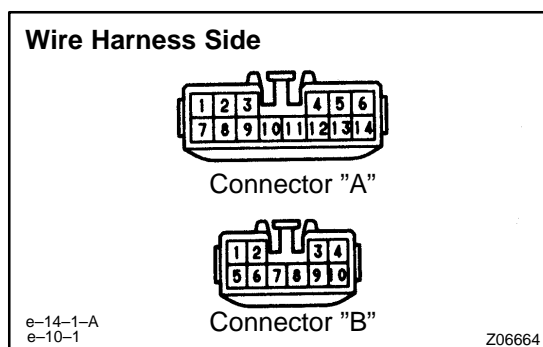


7. INSPECT WOOFER AMPLIFIER CIRCUIT

Disconnect the connector from woofer amplifier and inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
7 – Ground	Constant	Continuity
3 – Ground	Constant	Battery positive voltage
4 – Ground 6 – Ground	Ignition switch LOCK	No voltage
4 – Ground 6 – Ground	Ignition switch ACC or ON	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.



8. Power Amplifier by Pioneer made: INSPECT AMPLIFIER CIRCUIT

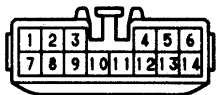
Disconnect the connector from the power amplifier and inspect the connector on the wire harness side, as shown.

Tester connection	Condition	Specified condition
B7 – Ground	Constant	Continuity
A6 – Ground A14 – Ground	Ignition switch LOCK	No voltage
A6 – Ground A14 – Ground	Ignition switch ACC or ON	Battery positive voltage
B10 – Ground	Constant	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.

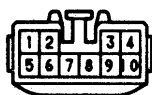
9. Power Amplifier by Nakamichi made: INSPECT AMPLIFIER CIRCUIT

Wire Harness Side



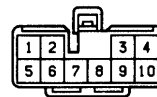
e-14-1-A

Connector "A"



e-10-1

Connector "B"



S-10-1-A

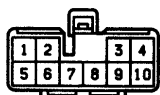
Connector "C"

Z06665

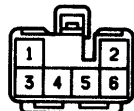
Tester connection	Condition	Specified condition
B7 – Ground C7 – Ground	Constant	Continuity
B10 – Ground C3 – Ground	Constant	Battery positive voltage
A6 – Ground A14 – Ground C4 – Ground C6 – Ground	Ignition switch LOCK	No voltage
A6 – Ground A14 – Ground C4 – Ground C6 – Ground	Ignition switch ACC or ON	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.

Wire Harness Side Connector "A"



Connector "B"

S-10-1-A
S-6-1-E

Z06666

10. INSPECT CD AUTO CHANGER CIRCUIT

Disconnect the connectors from the CD auto changer and inspect the connector on the wire harness side, as shown.

BODY ELECTRICAL – AUDIO SYSTEM

Tester connection	Condition	Specified condition
A7 – Ground	Luggage compartment door courtesy switch Push OFF	No continuity
A7 – Ground	Luggage compartment door courtesy switch Push ON	Continuity
A3 – Ground	Ignition switch LOCK	No voltage
A3 – Ground	Ignition switch ACC or ON	Battery positive voltage
A4 – Ground	Constant	Battery positive voltage

If circuit is not as specified, inspect the circuits connected to other parts.

HINT:

- Check the wire harness between the radio receiver assembly and the CD auto changer in accordance with the wiring diagrams.
- Since the signals to and from the CDL+, CDL–, CDR+, CDR–, TXM+, TXM–, TXS+ and TXS– terminals are serial signals, they cannot ordinarily be measured with a tester.

Wire Harness Side

e-8-1

Z06667

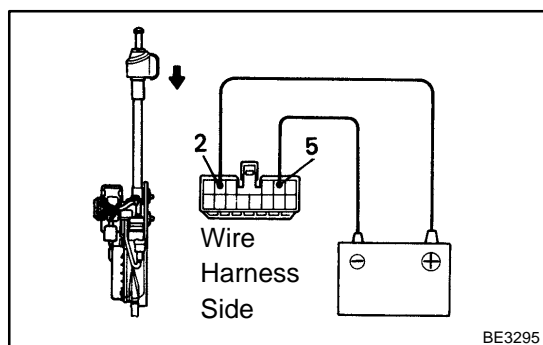
11. INSPECT MOTOR ANTENNA CIRCUIT

Disconnect the motor antenna connector from the body wire harness and inspect the connector on body wire harness side, as shown.

Tester connection	Condition	Specified condition
7 – Ground	Constant	Continuity
1 – Ground	Ignition switch ACC or ON and radio switch ON and Others	No voltage
1 – Ground	Ignition switch ACC or ON and radio switch ON and AM	Battery positive voltage
2 – Ground	Ignition switch ACC or ON, Radio or Tape or CD switch OFF	No voltage
2 – Ground	Ignition switch ACC or ON, Radio or Tape or CD switch ON	Battery positive voltage
3 – Ground	Constant	Battery positive voltage
4 – Ground	Ignition switch ACC or ON and radio switch ON, Others	No voltage
4 – Ground	Ignition switch ACC or ON and radio switch ON, AM or FM (87.9 – 96.0 MHz)	Battery positive voltage
5 – Ground	Ignition switch ACC or ON, Radio switch OFF	No voltage
5 – Ground	Ignition switch ACC or ON, Radio switch ON	Battery positive voltage
6 – Ground	Ignition switch ACC or LOCK	No voltage
6 – Ground	Ignition switch ON	Battery positive voltage

8 – Ground	Ignition switch LOCK	No voltage
8 – Ground	Ignition switch ACC or ON	Battery positive voltage

If circuit is not as specified, inspect radio or wire harness.
If circuit is as specified, replace motor antenna.

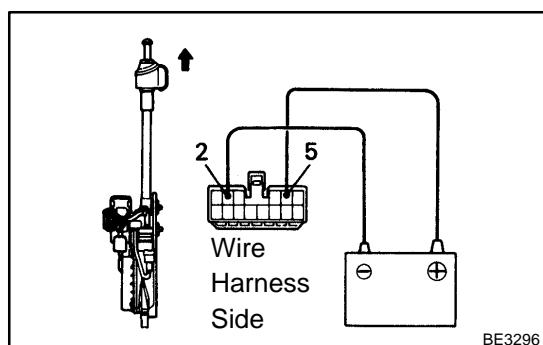


12. INSPECT ANTENNA MOTOR

- Install the antenna nut.
- Disconnect the connector from the motor antenna control relay.
- Connect the positive (+) lead from the battery to terminal 2 and the negative (–) lead to terminal 5 on the wire harness side connector.
- Check that the motor turns (moves upward).

NOTICE:

These tests must be performed quickly (within 4–8 seconds) to prevent the coil from burning out.



- Then, reverse the polarity, check that the motor turns the opposite way (moves downward).

NOTICE:

These tests must be performed quickly (within 4–8 seconds) to prevent the coil from burning out.

HINT:

When the motor is normal, lower the antenna to the lower most position.

If operation is not as specified, replace the antenna motor assembly.

13. INSPECT GLASS PRINTED ANTENNA

(Use same procedure as for "INSPECT DEFOGGER WIRES" on page [BE-105](#))

14. REPAIR GLASS PRINTED ANTENNA

(Use same procedure as for "REPAIR DEFOGGER WIRES" on page [BE-105](#))