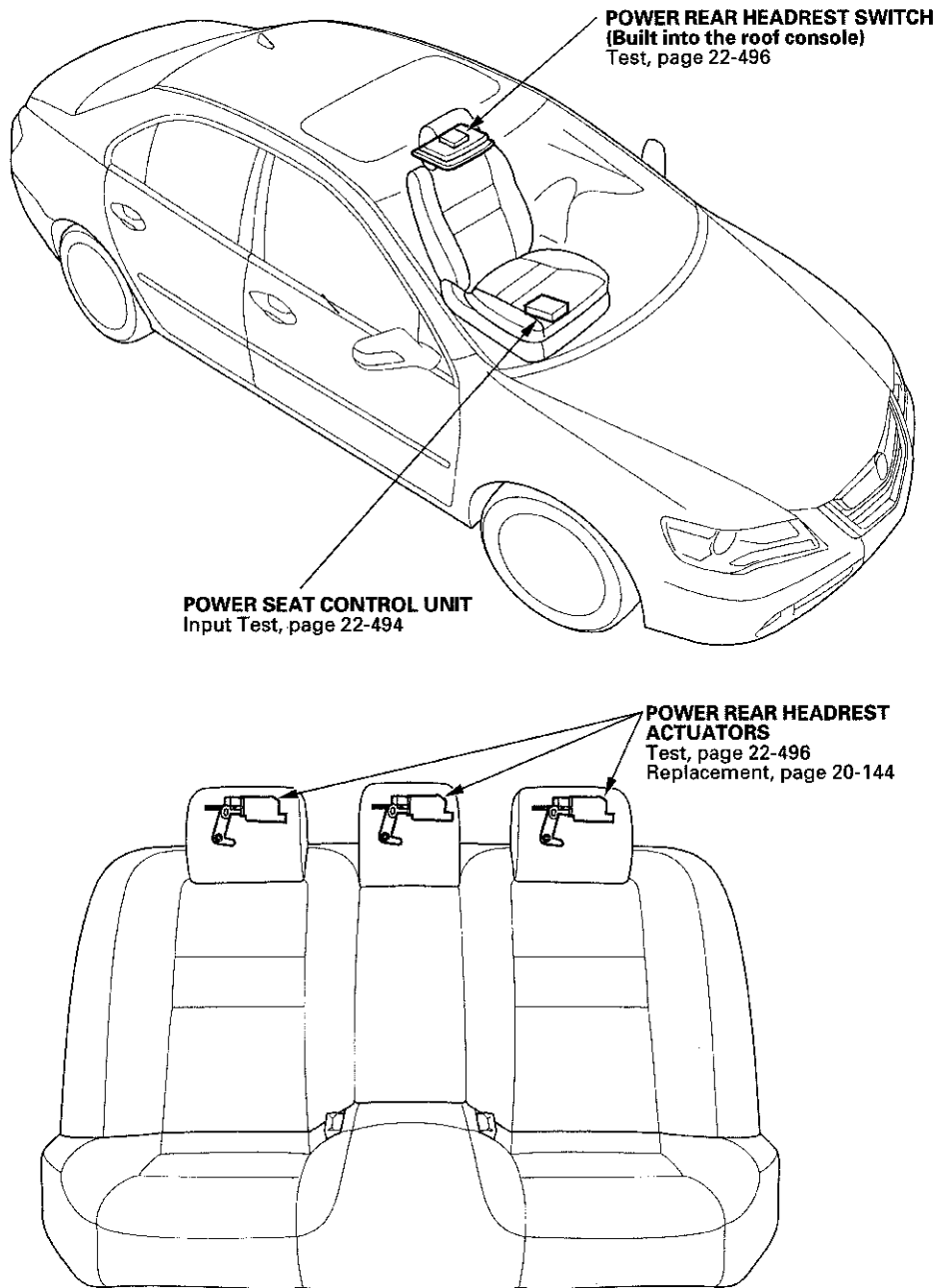


Power Rear Headrests

Component Location Index





Circuit Diagram



Power Rear Headrests

DTC Troubleshooting

DTC B1848: Rear Headrest Switch Signal Error

NOTE: If you are troubleshooting multiple DTCs, be sure to follow the instructions in B-CAN System Diagnosis Test Mode A (see page 22-131).

1. Clear the DTCs with the HDS.
2. Turn the ignition switch to LOCK (0), and then back ON (II).
3. Retract the rear headrests with the headrest switch.
4. Check for DTCs with the HDS.

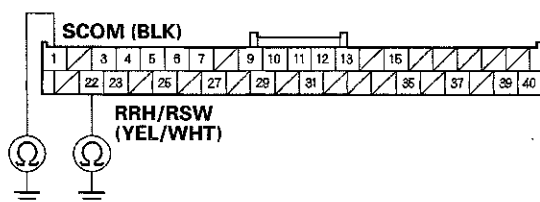
Is DTC B1848 indicated?

YES—Go to step 5.

NO—Intermittent failure, the system is OK at this time. Check for loose or poor connections. ■

5. Turn the ignition switch to LOCK (0).
6. Disconnect power seat control unit connector A (40P).
7. Disconnect the roof console 28P connector.
8. Check for continuity between body ground and power seat control unit connector A (40P) terminals No. 1 and No. 22 individually.

POWER SEAT CONTROL UNIT CONNECTOR A (40P)



Wire side of female terminals

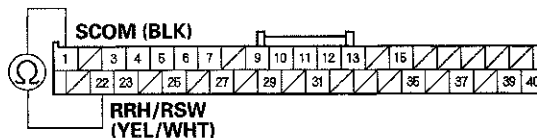
Is there continuity?

YES—Repair a short to ground in the wire. ■

NO—Go to step 9.

9. Check for continuity between power seat control unit connector A (40P) terminals No. 1 and No. 22.

POWER SEAT CONTROL UNIT CONNECTOR A (40P)



Wire side of female terminals

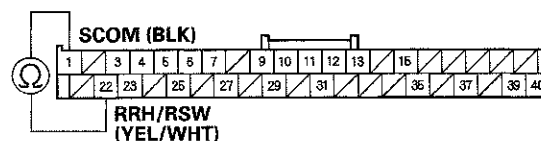
Is there continuity?

YES—Repair a short in the wire. ■

NO—Go to step 10.

10. Reconnect the roof console 28P connector.
11. Check for continuity between power seat control unit connector A (40P) terminals No. 1 and No. 22 without pressing the headrest switch.

POWER SEAT CONTROL UNIT CONNECTOR A (40P)



Wire side of female terminals

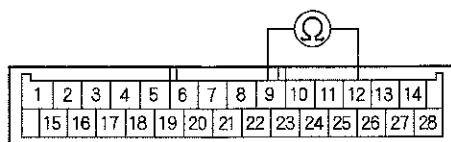
Is there continuity?

YES—Faulty headrest switch, replace the roof console (see page 22-307). ■

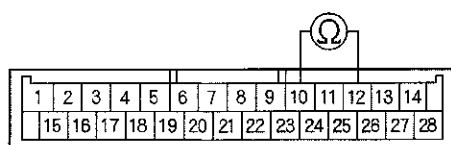
NO—Go to step 12.



12. Disconnect the roof console 28P connector.
13. Check for continuity between roof console 28P connector terminals.
 - No. 9 and No. 12
 - No. 10 and No. 12



ROOF CONSOLE 28P CONNECTOR



ROOF CONSOLE 28P CONNECTOR

Is there continuity?

YES—Faulty headrest switch, replace the roof console (see page 22-307). ■

NO—Go to the power seat control unit input test (see page 22-494). ■

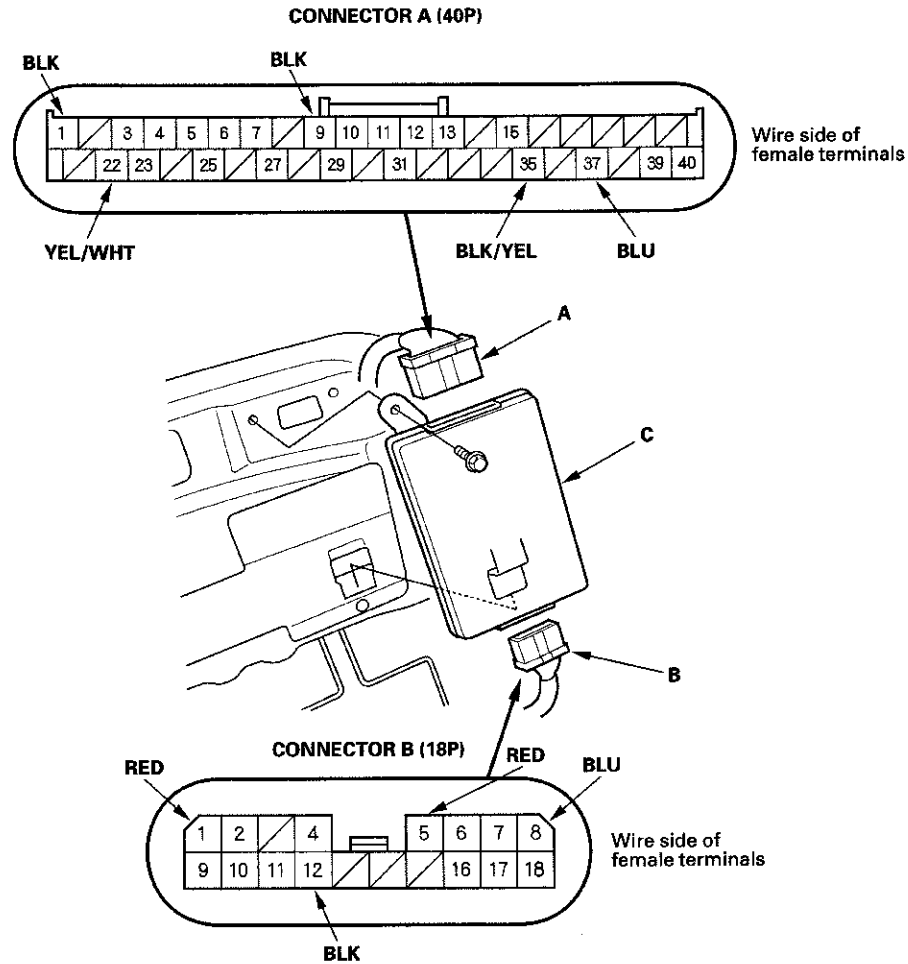
Power Rear Headrests

Control Unit Input Test

1. Turn the ignition switch to LOCK (0).
2. Remove the mounting bolts from the driver's power seat (see page 20-114), and carefully tip the seat-back.

NOTE: Be careful not to scratch the interior trim.

3. Disconnect the 40P connector (A) and 18P connector (B) from the power seat control unit (C).



4. Inspect the connector and socket terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
 - If the terminals look OK, go to step 5.



5. With the connectors still disconnected, do these input tests at the following connectors.

- If any test indicates a problem, find and correct the cause, then recheck the system.
- If all the input tests prove OK, go to step 6.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
A1 A22	BLK YEL/WHT	Headrest switch ON (pressed)	Check for continuity between terminals A1 and A22: There should be continuity.	• Faulty headrest switch • An open in the wire
		Headrest switch OFF (released)	Check for continuity between terminals A1 and A22: There should be no continuity.	• Faulty headrest switch • A short to ground in the wire
B12 B5	BLK RED	Under all conditions	Connect terminals B1 and B12, and terminals B5 and A9 momentarily: The headrest actuators should work.	• Faulty headrest actuator • An open in the wire

6. Reconnect connectors A (40P) and B (18P) to the control unit, and do these input tests at the following connectors.

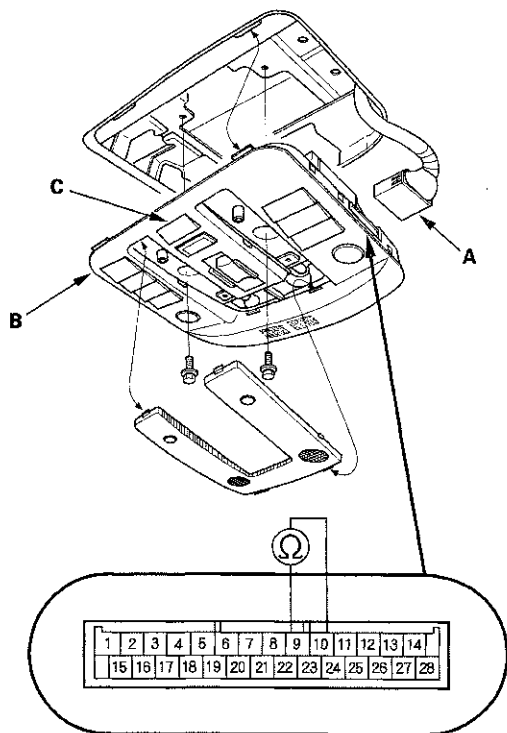
- If any tests indicate a problem, find and correct the cause, then recheck the system.
- If all tests prove OK, the power seat control unit must be faulty; replace it.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if desired result is not obtained
A9	BLK	Under all conditions	Measure the voltage to ground: There should be less than 0.2 V.	• Poor ground (G601) • An open in the wire
A35	BLK/YEL	Ignition switch ON (II)	Measure the voltage to ground: There should be battery voltage.	• Blown No. 21 (10 A) fuse in the driver's under-dash fuse/relay box • An open in the wire
A37	BLU	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 15 (40 A) fuse in the under-hood fuse/relay box • Blown No. 7 (10 A) fuse in the driver's under-dash fuse/relay box • An open in the wire
B1	RED	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 20 (40 A) fuse in the under-hood fuse/relay box • Blown No. 16 (20 A) fuse in the driver's under-dash fuse/relay box • An open in the wire
B8	BLU	Under all conditions	Measure the voltage to ground: There should be battery voltage.	• Blown No. 20 (40 A) fuse in the under-hood fuse/relay box • Blown No. 14 (20 A) fuse in the driver's under-dash fuse/relay box • An open in the wire

Power Rear Headrests

Headrest Switch Test

1. Remove the roof console (see page 22-307).
2. Disconnect the 28P connector (A) from the roof console (B).

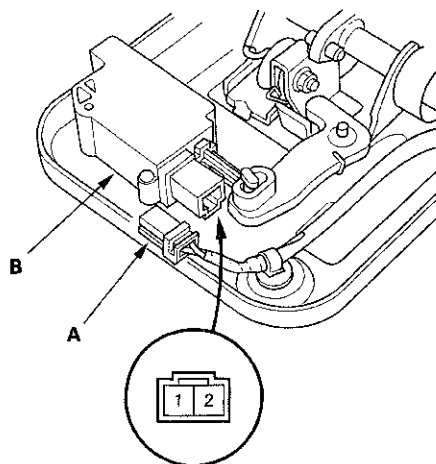


ROOF CONSOLE 28P CONNECTOR

3. Check for continuity between roof console 28P connector terminals No. 9 and No. 10.
 - There should be continuity when the headrest switch (C) is pressed.
 - There should be no continuity when the headrest switch is released.
4. If the continuity is not as specified, replace the roof console (see page 22-307).

Headrest Actuator Test

1. Remove the rear seat headrest covers (see page 20-148).
2. Disconnect the 2P connector (A) from the headrest actuator (B).



3. Check the actuator by connecting battery power to terminal No. 2 and ground terminal No. 1 momentarily. The actuator should work.
4. If the actuator does not work, replace the actuator.