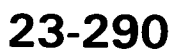


Power Seat Control Unit Input Test

- If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
- If the terminals look OK, make the following input tests at the connector.
 - If any test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, the control unit must be faulty; replace it.

- All views from the wire side.
- Different wires with the same color have been given a number suffix to distinguish them (for example, GRN/WHT and GRN/WHT² are not the same).





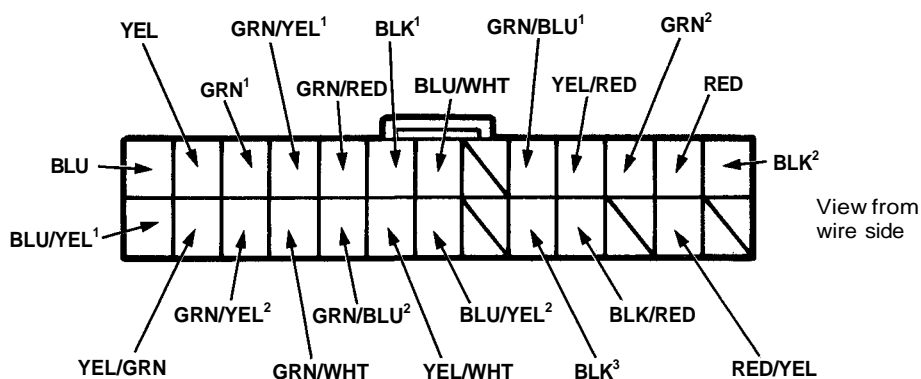
Test	Connector	Wire	Test condition	Desired result	Possible cause if result is not obtained.
1	A	BLK	Check for continuity to ground.	There should be continuity.	Open between connector A and G251
2	B	BLK	Check for continuity to ground.	There should be continuity.	Open between connector B and G251
3	B	WHT/RED	Check for battery voltage.	There should be battery voltage.	Blown No. 58 (30A) fuse in the under-hood fuse/relay box, or open in the wire
4	A	RED/WHT	Check for battery voltage.	There should be battery voltage.	Blown No. 55 (30A) fuse in the under-hood fuse/relay box, or open in the wire
5	A	WHT/YEL	Check for battery voltage.	There should be battery voltage.	Blown No. 34 (50A) fuse in the under-hood fuse/relay box, No. 15 (7.5 A) fuse in the under-dash fuse/relay box, or an open in the wire
6	C	BLK/RED	Check for battery voltage with ignition switch OFF and ON.	There should be battery voltage only with ignition switch ON.	Blown No. 20 (7.5A) fuse in the under-dash fuse/relay box, or open in the BLK/RED wire
7	C	GRN/BLU ¹	Driver's door open: Check for continuity to ground.	There should be continuity to ground.	Open in wire, or fault in door switch
			Driver's door closed: Check for continuity to ground.	There should be no continuity to ground.	Wire shorted to ground, or fault in door switch

(cont'd)

Power Driver's Seat, With Memory

Power Seat Control Unit Input Test (cont'd)

Test	Connector	Wire	Test condition	Desired result	Possible cause if result is not obtained.
8	C	YEL/RED	Ignition switch ON; use an analog voltmeter: Connect + probe to BLK/RED, and – probe to YEL/RED, then rotate the front wheels.	Voltmeter should indicate 0-12V-0-12V repeatedly.	Open or short in YEL/RED wire, or fault in vehicle speed sensor (VSS)
9	C	YEL/WHT	Memory switch button in neutral position: Check for continuity between YEL/WHT and BLK ³ wires.	There should be no continuity.	Short in wiring, or fault in memory switch
			Memory switch button depressed: Check for continuity between YEL/WHT and BLK ³ wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch
10	C	BLU/WHT	Position switch button No. 1 in neutral: Check for continuity between BLU/WHT and BLK ³ wire terminals.	There should be no continuity.	Short in wiring, or fault in memory
			Position switch button No. 1 depressed: Check for continuity between BLU/WHT and BLK ³ wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch



Connector "C" (26-P)

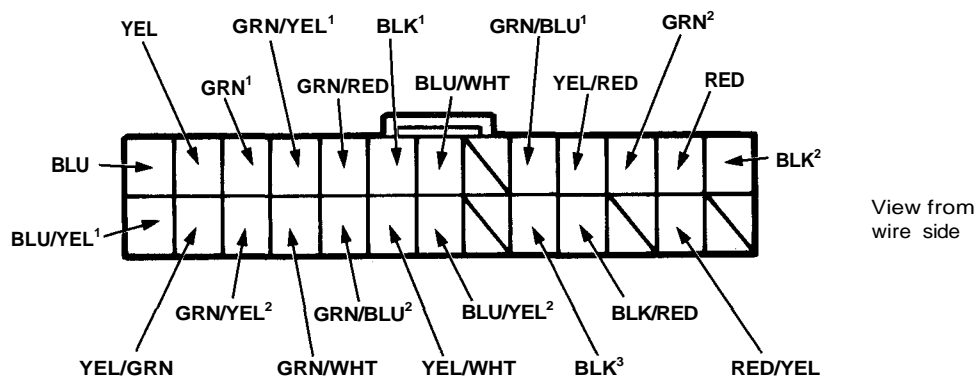


Test	Connector	Wire	Test condition	Desired result	Possible cause if result is not obtained.
11	C	BLU/YEL ²	Position switch button No. 2 in neutral: Check for continuity between BLU/YEL ² and BLK ³ wire terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Position switch button No. 2 depressed: Check for continuity between BLU/YEL ² and BLK ³ wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch
12	C	GRN ¹	Front up-down switch in neutral: Check for continuity between GRN ¹ and BLK ² wire terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Front up-down switch pushed up: Check for continuity between GRN ¹ and BLK ² wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch
13	C	GRN/YEL ²	Front up-down switch in neutral: Check for continuity between GRN/YEL ² and BLK ² wire terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Front up-down switch pushed down: Check for continuity between GRN/YEL ² and BLK ² wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch

(cont'd)

Power Seat Control Unit Input Test (cont'd)

Test	Connector	Wire	Test condition	Desired result	Possible cause if result is not obtained.
14	C	RED	Rear up-down switch in neutral: Check for continuity between RED and BLK ² wire terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Rear up-down switch pushed up: Check for continuity between RED and BLK ² wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch
15	C	RED/YEL	Rear up-down switch in neutral: Check for continuity between RED/YEL and BLK ² wire terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Rear up-down switch pushed down: Check for continuity between RED/YEL and BLK ² wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch
16	C	BLU	Slide switch in neutral: Check for continuity between BLU and BLK ² wires terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Slide switch pushed forward: Check for continuity between BLU and BLK ² wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch



Connector "C" (26-P)



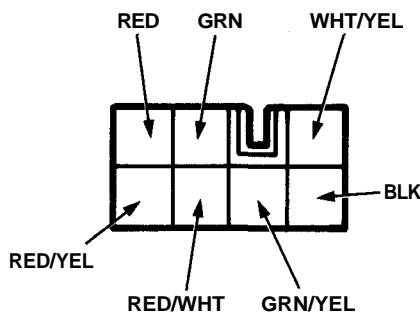
Test	Connector	Wire	Test condition	Desired result	Possible cause if result is not obtained.
17	C	BLU/YEL ¹	Slide switch in neutral: Check for continuity between BLU/YEL and BLK ² wire terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Slide switch pushed backward: Check for continuity between BLU/YEL and BLK ² wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch
18	C	YEL	Recline switch in neutral: Check for continuity between YEL and BLK ² wire terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Recline switch pushed forward: Check for continuity between YEL and BLK ² wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch
19	C	YEL/GRN	Recline switch in neutral: Check for continuity between YEL/GRN and BLK ² wire terminals.	There should be no continuity.	Short in wiring, or fault in memory switch
			Recline switch pushed back: Check for continuity between YEL/GRN and BLK ² wire terminals.	There should be continuity.	Open in wiring, or fault in memory switch
20	C	GRN ²	Refer to seat back picture on page 23-308 Check continuity between the GRN ² and BLK ¹ wire terminals.	When seat back is in range A, there should be continuity; when in range B, there should be no continuity.	Open or short in wiring, or fault in recline limit switch

(cont'd)

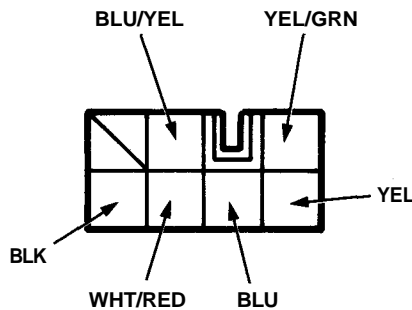
Power Driver's Seat, With Memory

Power Seat Control Unit Input Test (cont'd)

Test	Connector	Wire	Test condition	Desired result	Possible cause if result is not obtained.
21	2-P connector at front up-down motor	GRN/RED	All connectors connected; use an analog voltmeter. With the up-down motor running, backprobe the connector: + to GRN/RED, - to BLK	Voltmeter should read 0-5V-0-5V repeatedly.	Open or short in wiring, or fault in the memory sensor
22	2-P connector at rear up-down motor	GRN/BLU ²	All connectors connected; use an analog voltmeter. With the up-down motor running, backprobe the connector: + to GRN/BLU ² - to BLK	Voltmeter should read 0-5V-0-5V repeatedly.	Open or short in wiring, or fault in the memory sensor
23	2-P connector at slide motor	GRN/YEL ¹	All connectors connected; use an analog voltmeter. With the slide motor running, backprobe the connector: + to GRN/YEL ¹ - to BLK	Voltmeter should read 0-5V-0-5V repeatedly.	Open or short in wiring, or fault in the memory sensor
24	2-P connector at recline motor	GRN/WHT	All connectors connected; use an analog voltmeter. With the recline motor running, backprobe the connector: + to GRN/WHT, - to BLK	Voltmeter should read 0-5V-0-5V repeatedly.	Open or short in wiring, or fault in the memory sensor
25	A	GRN and GRN/YEL	Jumper GRN to RED/WHT, and GRN/YEL to BLK	Front up-down motor should run.	Open or short in wiring, or fault in motor
			Reverse jumper leads.	Motor should run the other way.	



Connector "A" (7-P)



Connector "B" (7-P)

View from wire side



Test	Connector	Wire	Test condition	Desired result	Possible cause if result is not obtained.
26	A	RED and RED/YEL	Jumper RED to RED/WHT, and RED/YEL to BLK	Rear up-down motor should run.	Open or short in wiring, or fault in motor
			Reverse jumper leads.	Motor should run the other way.	
27	B	BLU and BLU/YEL	Jumper BLU to WHT/RED, and BLU/YEL to BLK	Slide motor should run.	Open or short in wiring, or fault in motor
			Reverse jumper leads.	Motor should run the other way.	
28	B	YEL and YEL/GRN	Jumper YEL to WHT/RED, and YEL/GRN to BLK	Recline motor should run.	Open or short in wiring, or fault in motor
			Reverse jumper leads.	Motor should run the other way.	