

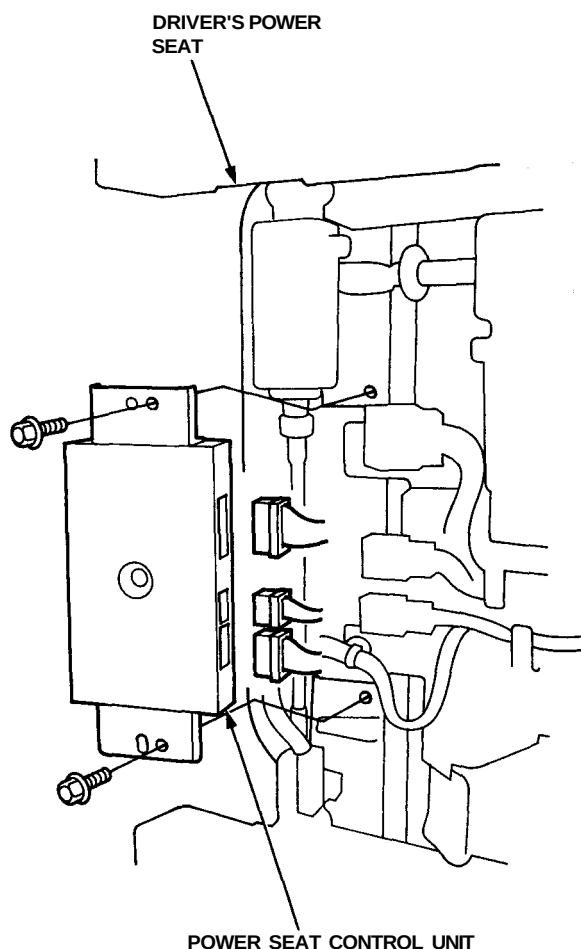
Driving Position Memory System (DPMS)

Power Seat Control Unit Input Test

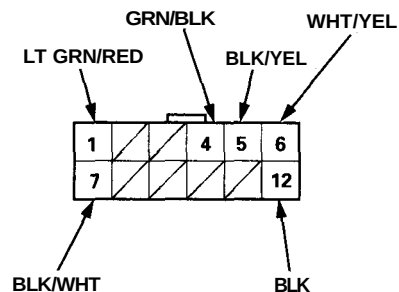
1. Remove the driver's power seat (see [section 20](#)).
2. Disconnect the power seat control unit connectors.
3. Inspect the connector and socket terminals to be sure they are all making good contact.
 - If the terminals are bent, loose or corroded, repair them as necessary, and recheck the system.
 - If the terminals look OK, make the following input tests at the connector.
 - If a test indicates a problem, find and correct the cause, then recheck the system.
 - If all the input tests prove OK, substitute a known-good control unit, and recheck the system.

NOTE:

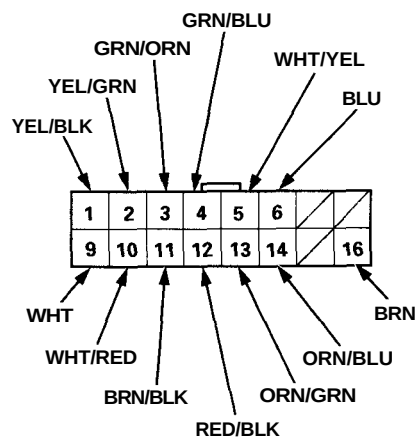
- If all the control unit (steering column, power seat, power mirror) input tests prove OK, disconnect all three control units, and check for opens or shorts in the communication lines.
- All connector views are from wire side of female terminals.



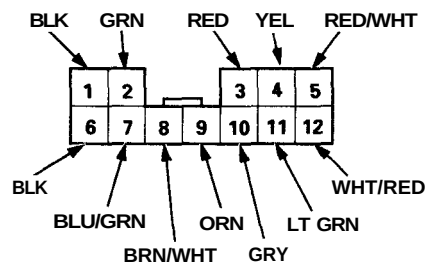
12P CONNECTOR "A"



16P CONNECTOR "B"



12P CONNECTOR "C"





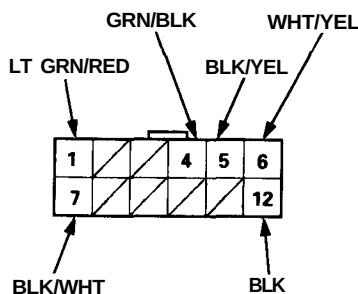
Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
A5	BLK/YEL	Ignition switch ON (II)	Check for voltage to ground: There should be battery voltage.	• Blown No. 20 (20 A) fuse in the under-dash fuse/relay box • An open in the wire
A6	WHT/YEL	Under all conditions		• Blown No. 56 (7.5 A) fuse in the under-hood fuse/relay box • An open in the wire
C5	RED/WHT	Under all conditions		• Blown No. 11 (20 A) fuse in the under-dash fuse/relay box • An open in the wire
C12	WHT/RED	Under all conditions		• Blown No. 8 (20 A) fuse in the under-dash fuse/relay box • An open in the wire
A12	BLK	Under all conditions	Check for continuity to ground: There should be continuity.	• Poor ground (G401, G402 or G251) • An open in the wire
C1	BLK			• Poor ground (G651, G681) • An open in the wire
C6	BLK			
B16 • B4	BRN • GRN/BLU	Front up-down switch "UP"	Check for continuity between the B4 and B16 terminals: There should be continuity.	• Faulty adjustment switch • An open in the wire
		Front up-down switch in the neutral position	Check for continuity between the B4 and B16 terminals: There should be no continuity.	• Faulty adjustment switch • A short in the wire
B16 • B12	BRN • RED/BLK	Front up-down switch "Down"	Check for continuity between the B12 and B16 terminals: There should be continuity.	• Faulty adjustment switch • An open in the wire
		Front up-down switch in the neutral position	Check for continuity between the B12 and B16 terminals: There should be no continuity.	• Faulty adjustment switch • A short in the wire
B16 • B3	BRN • GRN/ORN	Rear up-down switch "UP"	Check for continuity between the B3 and B16 terminals: There should be continuity.	• Faulty adjustment switch • An open in the wire
		Rear up-down switch in the neutral position	Check for continuity between the B3 and B16 terminals: There should be no continuity.	• Faulty adjustment switch • A short in the wire
B16 • B11	BRN • BRN/BLK	Rear up-down switch "Down"	Check for continuity between the B11 and B16 terminals: There should be continuity.	• Faulty adjustment switch • An open in the wire
		Rear up-down switch in the neutral position	Check for continuity between the B11 and B16 terminals: There should be no continuity.	• Faulty adjustment switch • A short in the wire

(cont'd)

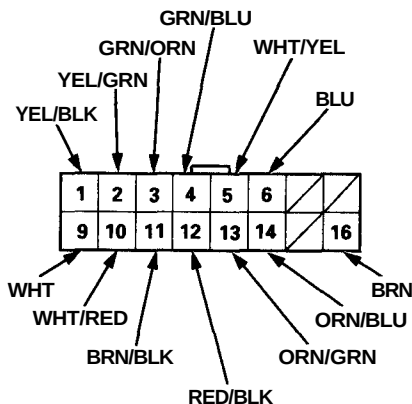
Driving Position Memory System (DPMS)

Power Seat Control Unit Input Test (cont'd)

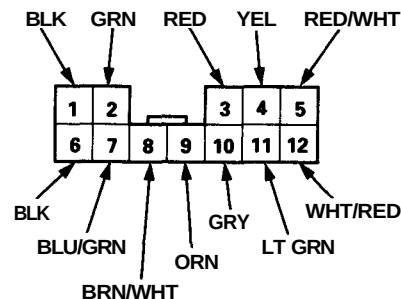
12P CONNECTOR "A"



16P CONNECTOR "B"



12P CONNECTOR "C"



Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
B16 - B6	BRN - BLU	Slide switch "Forward"	Check for continuity between the B6 and B16 terminals: There should be continuity.	- Faulty adjustment switch - An open in the wire
		Slide switch in the neutral position	Check for continuity between the B6 and B16 terminals: There should be no continuity.	- Faulty adjustment switch - A short in the wire
B16 - B14	BRN - ORN/BLU	Slide switch "Backward"	Check for continuity between the B14 and B16 terminals: There should be continuity.	- Faulty adjustment switch - An open in the wire
		Slide switch in the neutral position	Check for continuity between the B14 and B16 terminals: There should be no continuity.	- Faulty adjustment switch - A short in the wire
B16 - B5	BRN - WHT/YEL	Recline switch "Forward"	Check for continuity between the B5 and B16 terminals: There should be continuity.	- Faulty adjustment switch - An open in the wire
		Recline switch in the neutral position	Check for continuity between the B5 and B16 terminals: There should be no continuity.	- Faulty adjustment switch - A short in the wire
B16 - B13	BRN - ORN/GRN	Recline switch "Backward"	Check for continuity between the B13 and B16 terminals: There should be continuity.	- Faulty adjustment switch - An open in the wire
		Recline switch in the neutral position	Check for continuity between the B13 and B16 terminals: There should be no continuity.	- Faulty adjustment switch - A short in the wire

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
C8 - C9	BRN/WHT - ORN	Connect battery power to the C9 terminal, and C8 terminal to the C1 terminal momentarily.	Check the front up-down motor operation: The motor should run (up)	- Faulty front up-down motor - An open in the wire
		Connect battery power to the C8 terminal, and C9 terminal to the C1 terminal momentarily.	Check the front up-down motor operation: The motor should run (down)	- Faulty front up-down motor - An open in the wire
C2 - C7	GRN - BLU/GRN	Connect battery power to the C2 terminal, and C7 terminal to the C6 terminal momentarily.	Check the rear up-down motor operation: The motor should run (up)	- Faulty rear up-down motor - An open in the wire
		Connect battery power to the C7 terminal, and C2 terminal to the C6 terminal momentarily.	Check the rear up-down motor operation: The motor should run (down)	- Faulty rear up-down motor - An open in the wire
C4 - C11	YEL - LT GRN	Connect battery power to the C4 terminal, and C11 terminal to the C1 terminal momentarily.	Check the slide motor operation: The motor should run (forward)	- Faulty slide motor - An open in the wire
		Connect battery power to the C11 terminal, and C4 terminal to the C1 terminal momentarily.	Check the slide motor operation: The motor should run (backward)	- Faulty slide motor - An open in the wire
C3 - C10	RED - GRY	Connect battery power to the C3 terminal, and C10 terminal to the C6 terminal momentarily.	Check the recline motor operation: The motor should run (forward)	- Faulty recline motor - An open in the wire
		Connect battery power to the C10 terminal, and C3 terminal to the C6 terminal momentarily.	Check the recline motor operation: The motor should run (backward)	- Faulty recline motor - An open in the wire

Reconnect all connectors to the power steering control unit.

Cavity	Wire	Test condition	Test: Desired result	Possible cause if result is not obtained
A4 - B1	GRN/BLK - YEL/BLK	Front up-down motor runs momentarily.	Check for voltage between the terminals: The voltage should pulse between 1 V or less and 4 V or more.	- Faulty front up-down position sensor - An open in the wire
A4 - B9	GRN/BLK - WHT	Rear up-down motor runs momentarily.	Check for voltage between the terminals: The voltage should pulse between 1 V or less and 4 V or more.	- Faulty rear up-down position sensor - An open in the wire
A4 - B2	GRN/BLK - YEL/GRN	Slide motor runs momentarily.	Check for voltage between the terminals: The voltage should pulse between 1 V or less and 4 V or more.	- Faulty slide position sensor - An open in the wire
A4 - B10	GRN/BLK - WHT/RED	Recline motor runs momentarily.	Check for voltage between the terminals: The voltage should pulse between 1 V or less and 4 V or more.	- Faulty recline position sensor - An open in the wire