

Driving Position Memory System (DPMS)

Troubleshooting (cont'd)

Flowchart No. 5

Power Seat Front Up-down Switch:

Check for voltage between the seat control unit 16P connector B4 and B16 terminals with the front up-down switch pushed up. Check for voltage between the seat control unit 16P connector B12 and B16 terminals with the front up-down switch pushed down. There should be 1 V or less with the switch pushed and 4 V or more with the switch in the neutral position.

Are voltages as specified?

NO

- Open or short in the wires
- Faulty front up-down switch
- Faulty seat control unit

YES

Power Seat Front Up-down Motor:

Disconnect the 2P connector from the driver's power seat front up-down motor. Check for voltage between the driver's power seat front up-down motor 2P connector No. 1 terminal and body ground with the front up-down switch pushed up. Check for voltage between the driver's power seat front up-down motor 2P connector No. 2 and body ground with the front up-down switch pushed down. There should be 10 V or more with the switch pushed and 0 V with the switch in the neutral position.

Are voltages as specified?

NO

- Open or short in the wires
- Faulty front up-down switch
- Faulty seat control unit

YES

Test the driver's power seat front up-down motor (see page 23-228).

Does the motor run smoothly and without noise?

NO

- Open or short in the ORN or BRN/WHT wire between motor and the 2P connector.
- Faulty front up-down motor

YES

Check for voltage between the seat control unit 16P connector B1 terminal and 12P connector A4 terminal while operating the front up-down motor upward and downward.

NOTE: All DPMS connectors must be connected.

Does the voltage pulse between 1 V or less and 5 V or more with the front up-down motor running?

NO

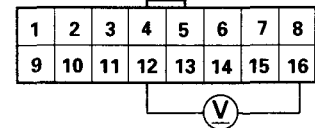
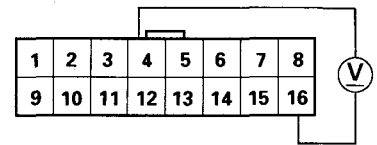
- Open or short in the wires
- Faulty front up-down position sensor
- Faulty seat control unit

YES

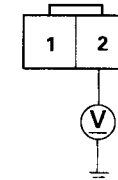
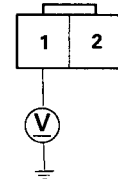
Substitute a known-good seat control unit, and recheck. If the systems now work OK, replace the original seat control unit.

NOTE: All connector views are from wire side of female terminals.

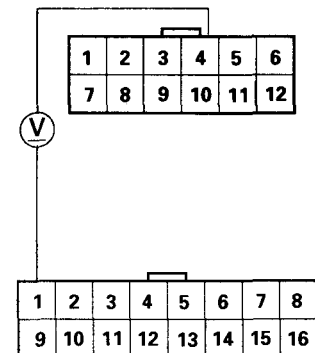
COLUMN CONTROL UNIT
16P CONNECTOR "B"



DRIVER'S POWER SEAT
FRONT UP-DOWN MOTOR
2P CONNECTOR



SEAT CONTROL UNIT
12P CONNECTOR "A"



SEAT CONTROL UNIT
16P CONNECTOR "B"

