



POWER SEATS

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GENERAL INFORMATION

Power seats can be adjusted in 8 different directions:

- Up or down
- Forward or back
- Tilt forward or rearward
- Recliner up or down

A two single armature permanent magnet reversible motors are coupled through cables to worm gear box assemblies. They are located in the seat tracks and upper supports. The two single gear motor assemblies attach to the seat tracks provide the various seat movements.

The electrical circuit is protected by a 20 amp circuit breaker located on the fuse block.

TEST PROCEDURES

Before any testing is attempted the battery should be carefully charged and all connections and terminals cleaned and tightened to insure proper continuity and grounds.

With dome lamp on, apply switch in direction of failure. If dome lamp dims the seat motor is trying to work indicating mechanical jamming. If dome lamp does not dim, then proceed with the following electrical tests.

CIRCUIT BREAKER TEST

Find correct circuit breaker on fuse block. Pull out slightly but be sure that circuit breaker terminals still contact terminals in fuse block. Connect ground wire of voltmeter to a good ground. With probe of voltmeter positive wire, check both terminals of circuit breaker for battery voltage. If only 1 terminal checks at battery voltage, circuit breaker is defective and must be replaced. If neither terminal shows battery voltage, check for open or shorted circuit to circuit breaker.

HARNESS VOLTAGE TEST

The following test will determine whether or not voltage is continuous through the body harness to the switch.

(1) Remove power seat switch from mounting position and disconnect switch from wiring harness.

(2) Connect one lead of test light to Pin 5 of the ground terminal, and touch other test light lead to Pin 1.

(3) If test light comes on, harness to switch is good. If test light does not come on, perform circuit breaker test.

MOTOR TESTS

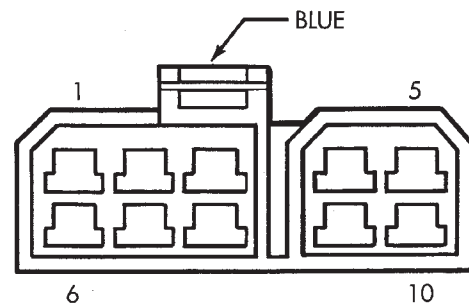
(1) Remove power seat switch from seat.

(2) Disconnect wire harness connector.

(3) Check Pin 5 for battery voltage and Pin 1 for ground.

(4) To test the seat motors, refer to the Fig. 1 and verify proper seat responses. Using two jumper wires, connect one to a battery supply and the second to a ground. Connect the other ends to the seat wire harness connector as described in Fig. 1.

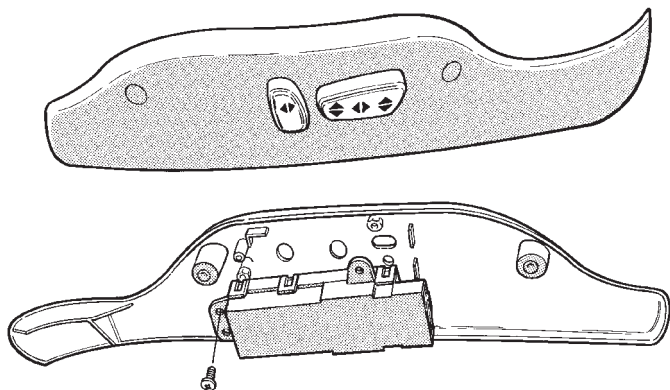
SEAT CONNECTOR			
Connect Jumper		SEAT ACTION	
Battery	Ground	DRIVER SIDE	PASSENGER SIDE
PIN 7	PIN 10	Front Riser	Front Riser Down
PIN 10	PIN 7	Front Riser Down	Front Riser Up
PIN 6	PIN 3	Forward	Forward
PIN 3	PIN 6	Backward	Backward
PIN 8	PIN 9	Rear Riser Up	Rear Riser Down
PIN 9	PIN 8	Rear Riser Down	Rear Riser Up
PIN 2	PIN 4	Recliner Up	Recliner Up
PIN 4	PIN 2	Recliner Down	Recliner Down



VIEWED FROM TERMINAL END

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Fig. 1 Motor Test



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Fig. 2 Switch Removal**SWITCH TEST**

- (1) Remove switch from mounting position (Fig. 2).
- (2) Using an ohmmeter, perform the switch continuity tests in Fig. 3. If there is no continuity at any of the switch positions, replace switch.

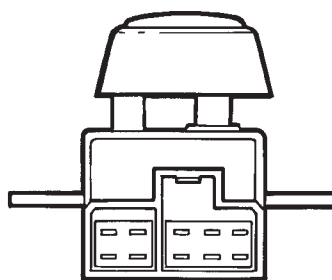
SWITCH REPLACEMENT REMOVAL

- (1) Remove left cushion side shield (Fig. 2).
- (2) Disconnect wiring from switch.
- (3) Depress bezel retainers and push switch from bezel.
- (4) For installation, reverse above procedure.

SEAT ASSEMBLY REMOVAL

- (1) Remove adjuster attaching bolts and nuts from floor pan. Move adjuster as required for access.
- (2) Disconnect battery negative cable.
- (3) Disconnect wiring harness power lead at car-pet.
- (4) Remove assembly from vehicle.
- (5) For installation, reverse above procedure. Install and torque mounting bolts and nuts to 28 N•m (250 in. lbs.). Connect the battery negative cable and check seat operation.

SWITCH POSITION	CONTINUITY BETWEEN PINS	
	DRIVER	PASSENGER
OFF	PIN 8 to 10 PIN 8 to 11 PIN 8 to 7 PIN 8 to 6 PIN 8 to 3 PIN 8 to 4 PIN 8 to 9 PIN 8 to 2	PIN 8 to 0 PIN 8 to 11 PIN 8 to 11 PIN 8 to 6 PIN 8 to 3 PIN 8 to 4 PIN 8 to 9 PIN 8 to 2
FRONT RISER UP	PIN 8 to 10 PIN 5 to 11	PIN 8 to 10 PIN 5 to 11
FRONT RISER DOWN	PIN 8 to 7 PIN 5 to 6	PIN 8 to 7 PIN 5 to 6
CENTER SWITCH FORWARD	PIN 8 to 3 PIN 5 to 4	PIN 8 to 3 PIN 5 to 4
CENTER SWITCH REARWARD	PIN 8 to 9 PIN 5 to 2	PIN 8 to 9 PIN 5 to 2
REAR RISER UP	PIN 8 to 11 PIN 5 to 10	PIN 8 to 11 PIN 5 to 10
REAR RISER DOWN	PIN 8 to 6 PIN 5 to 7	PIN 8 to 6 PIN 5 to 7
RECLINER UP	PIN 8 to 4 PIN 5 to 3	PIN 8 to 4 PIN 5 to 3
RECLINER DOWN	PIN 8 to 2 PIN 5 to 9	PIN 8 to 2 PIN 5 to 9



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Fig. 3 Seat Switch Test



SEAT TRACK REMOVAL

(1) Seat removed from vehicle. Using an clean area to place seat.

(2) Remove two seat back mounting screws.

(3) Remove four seat track mounting screws.

(4) Remove track from seat.

(5) For installation, reverse above procedure.

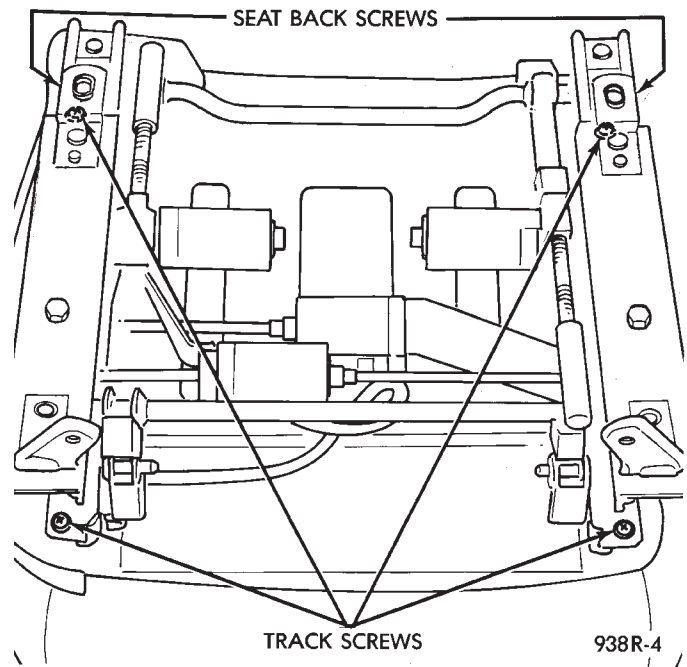


Fig. 4 Seat Track Removal

