

# POWER SEATS

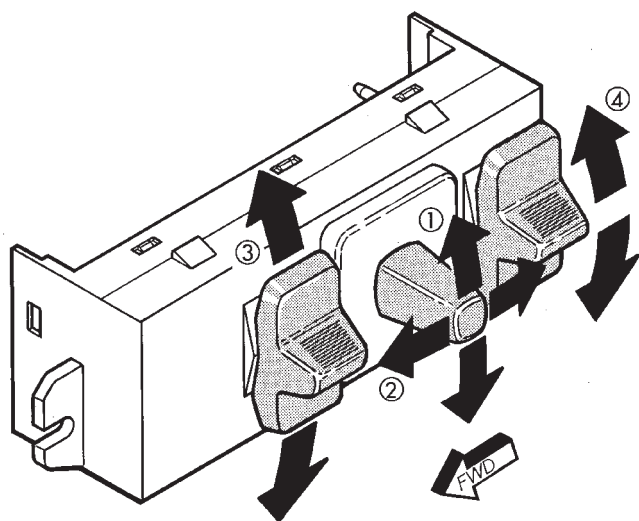
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### GENERAL

The power seats can be adjusted in six different directions (Fig. 1). The control switch is located on the lower outboard side of the seat.

The front lever on the switch raises or lowers (tilts) the front of the seat; the center lever raises or lowers the complete seat by moving the switch up or down. It also moves it forward or rearward by moving the switch forward or rearward. The rear lever raises or lowers (tilts) the back of the seat.



1. SEAT UP AND DOWN
2. SEAT FORWARD AND REARWARD
3. SEAT TILT (FRONT UP AND DOWN)
4. SEAT TILT (REAR UP AND DOWN)

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**Fig. 1 Power Seat Switch**

There are three reversible motors that operate the power seats. The front and rear of a seat are operated by different motors. They can be raised or lowered independently of each other. When the center seat switch is pushed to the UP or DOWN position, both rear and front motors run, moving the entire seat up or down.

The forward-rearward motor is operated by the center position seat switch. When the switch is held in the FORWARD position, battery voltage is applied through the switch contacts the forward-rearward

motor. The motor is grounded and the motor runs to drive the seat forward until the switch is released.

With the switch in the REAR position, the polarity is reversed and causes the motor to run in the opposite direction and drive the seat backward.

The front motor works in a similar way when the front height switch is operated.

To raise the entire seat, the center position seat switch is held in the UP position. This applies battery voltage to both the front and rear motors. Both motors run to drive the entire seat up. A similar action occurs to move the entire seat down.

Each motor contains a self-resetting circuit breaker to protect it from overload. Consecutive or frequent resetting must not be allowed to continue. Make necessary repairs.

### DIAGNOSIS

Refer to Group 8W-Wiring Diagrams for a complete circuit diagram.

Before any testing is attempted the battery should be fully charged and all connections and pins cleaned and tightened to ensure proper continuity and grounds.

With the dome light on, apply switch in direction of the failure. If the dome light dims, the seat may be jamming. Check for binding. If the dome light does not dim, then proceed with the following electrical tests.

### SEAT MOTOR ASSEMBLY

- Position Seat Switch to move all three Seat Motors. The seat should move in all directions. If not, go to No Seat Motors Operate. If one or more motors operate, refer to switch testing.

Test Seat Switch. If ok, replace defective motor.

### NO SEAT MOTORS OPERATE

#### Power Seats circuit breaker #25 installed.

- Probe Power Seats 30 amp circuit breaker, #25 on fuse panel. If battery voltage is present, replace circuit breaker.

- Remove switch mounting screws and measure voltage at Red wire at switch. Meter should read battery voltage. If not, repair open to power.

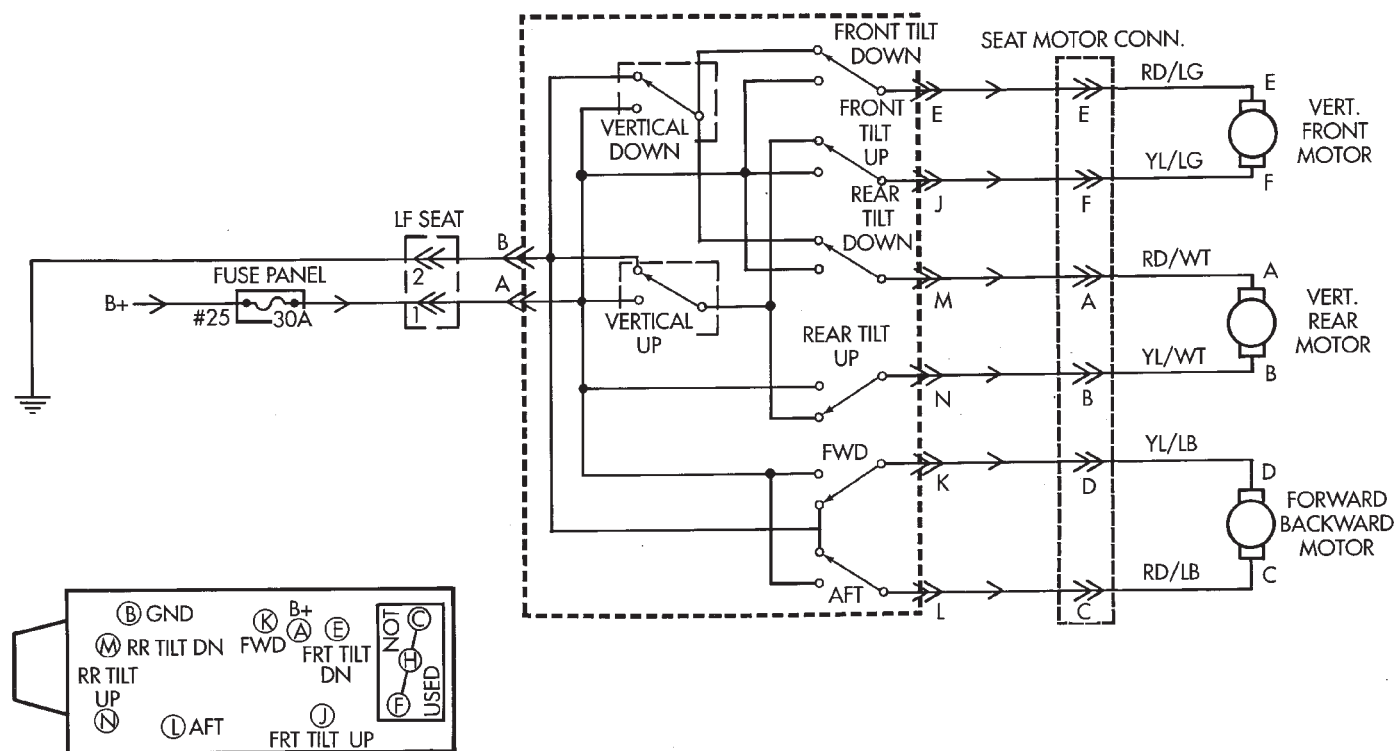
- Measure resistance at black wire at switch. Meter should read zero ohms. If OK, replace switch. If not, repair open to ground.

## SWITCH TEST

To check the switch, remove the switch from its mounting position. Using an ohmmeter, and referring to

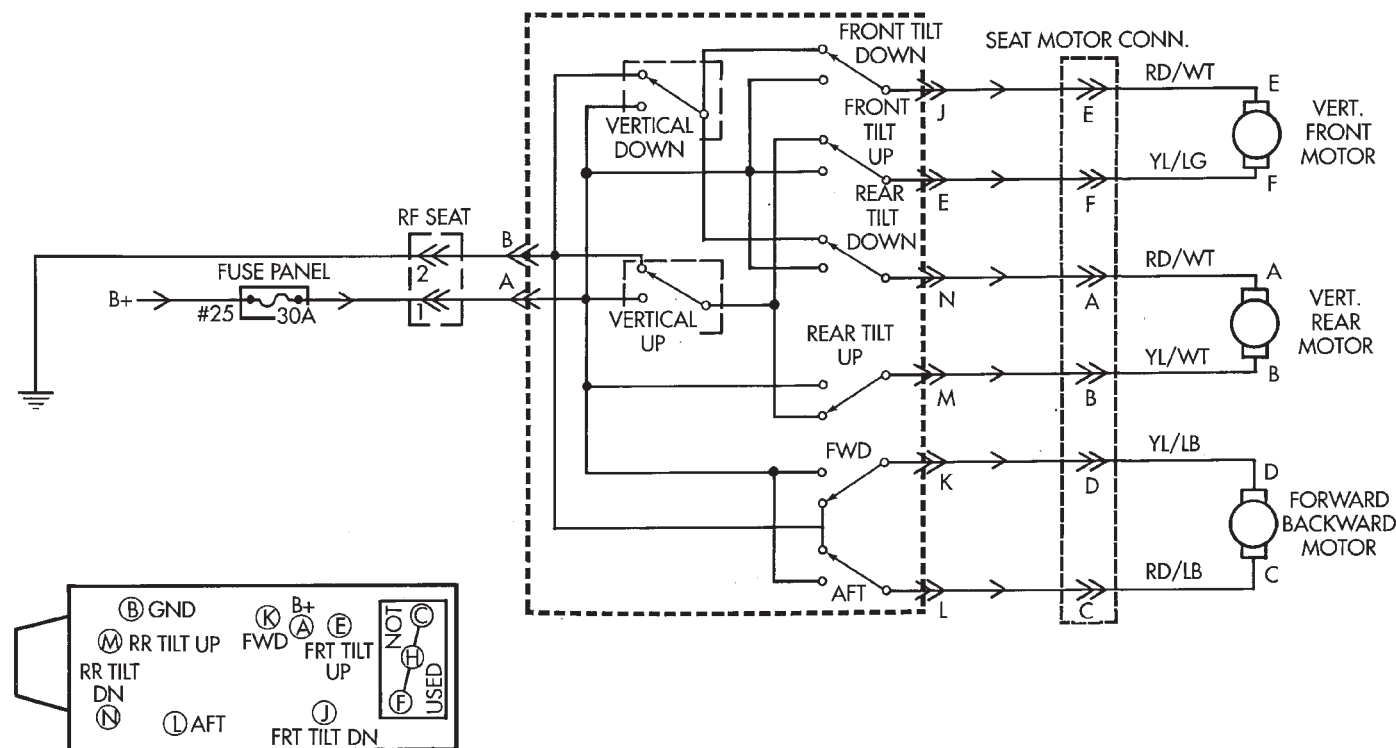
the schematic, determine if continuity is correct. If there is not continuity at any one of the switch positions, replace the switch.

## DRIVER'S POWER SEAT



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## PASSENGER'S POWER SEAT

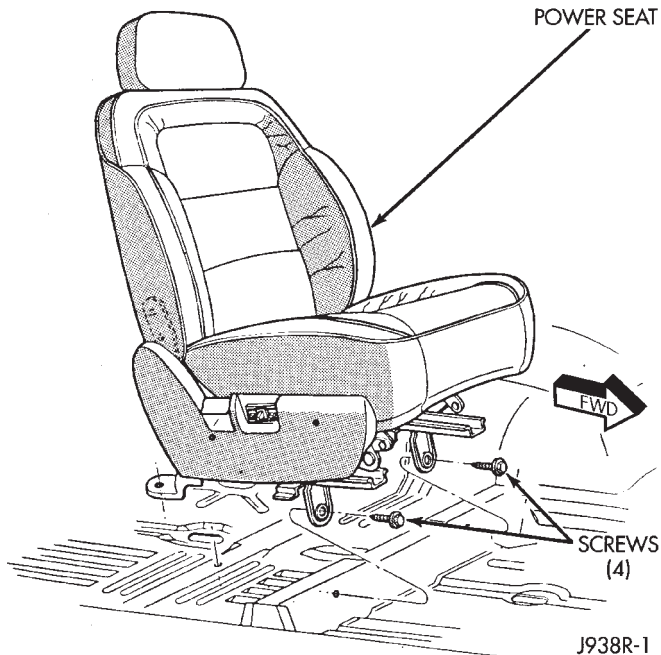


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## SEAT REMOVAL/INSTALLATION

### REMOVAL

- (1) Remove 2 screws and the rear track covers.
- (2) Remove 4 screws holding seat to floor pan (Fig. 2). Move adjuster as required for access.



**Fig. 2 Power Seat Removal—Right Side Shown**

- (3) Disconnect wiring harness power lead at carpet.
- (4) Remove seat assembly from vehicle.

### INSTALLATION

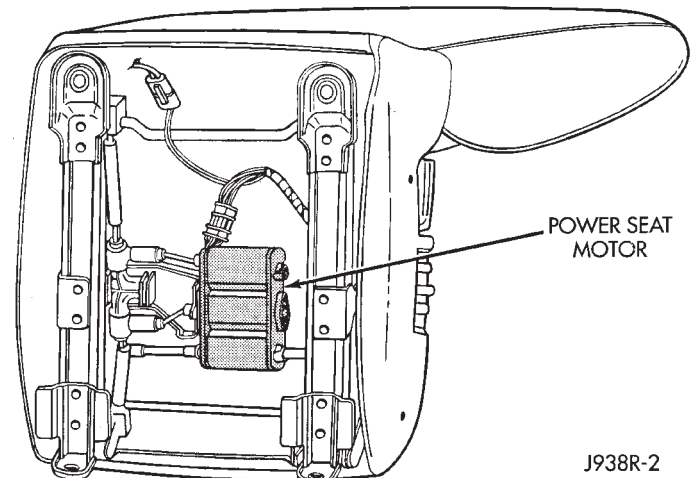
- (1) Position seat assembly in vehicle.
- (2) Connect wiring harness.
- (3) Install and tighten mounting bolts to 20 N•m (15 ft. lbs.).
- (4) Install rear track covers.
- (5) Check seat operation.

### POWER SEAT MOTOR REPLACEMENT

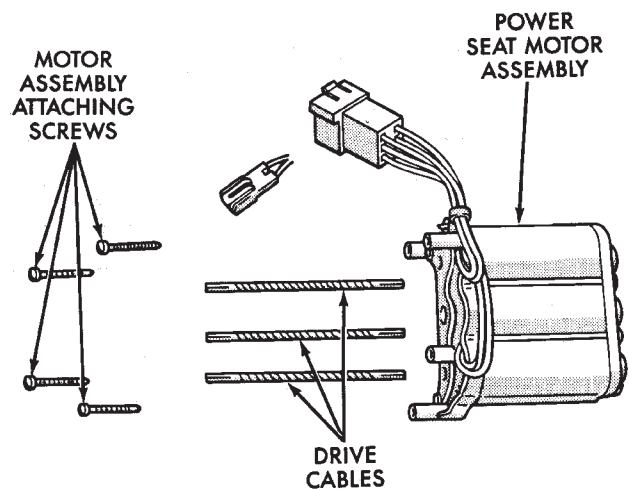
- (1) Remove seat as described in Seat Removal/Installation.

**CAUTION:** Take care to avoid excessive bending of the three drive cables when removing/installing the motor assembly.

- (2) Remove screws attaching motor assembly to seat frame and remove motor assembly and mounting spacers (Figs. 3 and 4).



**Fig. 3 Power Seat Motor Installation—Right Side Shown**



**Fig. 4 Power Seat Motor Assembly**

- (3) To install the power seat motor, reverse the removal procedures. Tighten seat mounting bolts to 20 N•m (15 ft. lbs.).

