

POWER SEATS

CONTENTS

	page		page
DESCRIPTION AND OPERATION		TRACTION CONTROL SWITCH	1
INTRODUCTION	1	VOLTAGE	1
DIAGNOSIS AND TESTING		REMOVAL AND INSTALLATION	
CIRCUIT BREAKER	1	SEAT ASSEMBLY	2
DIAGNOSTIC PROCEDURE	1	SEAT SWITCH	2
SEAT MOTOR SWITCH	1	SEAT TRACK	2

DESCRIPTION AND OPERATION

INTRODUCTION

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 in the junction block.

DIAGNOSIS AND TESTING

DIAGNOSTIC PROCEDURE

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

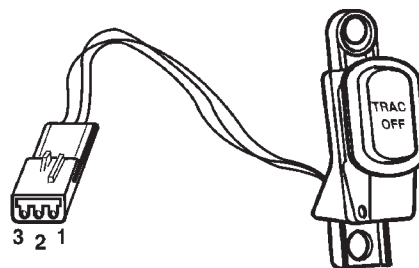
Find correct circuit breaker on fuse block. Pull out slightly but be sure that circuit breaker terminals still contact terminals in fuse block. Connect ground wire of voltmeter to a good ground. With probe of voltmeter positive wire, check both terminals of circuit breaker for battery voltage. If only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

tery voltage, check for open or shorted circuit to circuit breaker.

TRACTION CONTROL SWITCH

(1) Remove over steering column bezel. Refer to Over Steering Column Bezel. Removal procedures.

(2) Using an ohmmeter check for continuity reading between pins.



80a9299f

Fig. 1 Traction Control Switch Connector

SEAT MOTOR SWITCH

(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.

VOLTAGE

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) Using a voltmeter, connect the ground lead to Pin 5 of the switch harness connector. Connect the positive lead to Pin 1. If battery voltage the ground and B+ circuit is OK. If no voltage check circuit breaker and repair as necessary.

REMOVAL AND INSTALLATION (Continued)

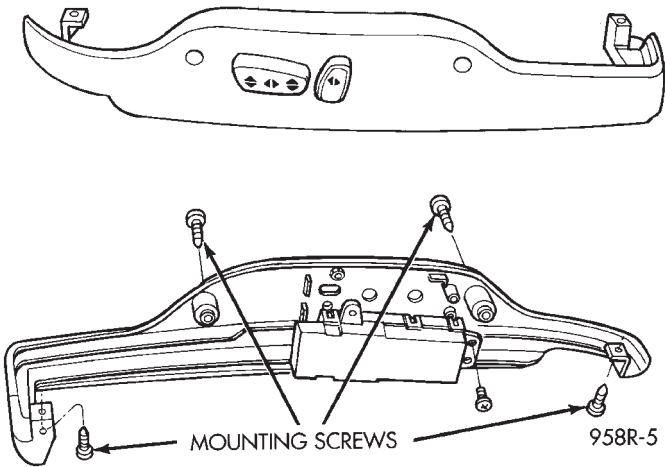
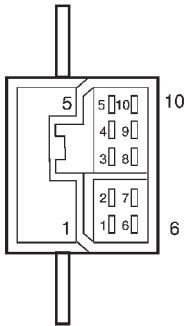


Fig. 2 Switch Removal

SWITCH POSITION	CONTINUITY BETWEEN PINS
	DRIVER
OFF	PIN 5 to 4
	PIN 5 to 3
	PIN 5 to 2
	PIN 5 to 6
	PIN 5 to 7
	PIN 5 to 8
	PIN 5 to 9
	PIN 5 to 10
FRONT RISER UP	PIN 5 to 6 PIN 1 to 9
FRONT RISER DOWN	PIN 5 to 9 PIN 1 to 6
CENTER SWITCH FORWARD	PIN 5 to 3 PIN 1 to 10
CENTER SWITCH REARWARD	PIN 5 to 10 PIN 3 to 1
REAR RISER UP	PIN 5 to 7 PIN 1 to 8
REAR RISER DOWN	PIN 5 to 8 PIN 1 to 7
RECLINER UP	PIN 5 to 2 PIN 4 to 1
RECLINER DOWN	PIN 5 to 4 PIN 2 to 1



80a82cea

Fig. 3 Seat Motor Switch Test

REMOVAL AND INSTALLATION

SEAT ASSEMBLY

REMOVAL

- (1) Remove adjuster attaching bolts from floor pan. Move seat as necessary for access.
- (2) Disconnect battery negative cable.
- (3) Disconnect wiring harness power lead at carpet.
- (4) Remove assembly from vehicle.

INSTALLATION

For installation, reverse the above procedure. Install and torque mounting bolts and nuts to 60 to 80 N·m (44 to 59 ft. lbs.). Connect the battery negative cable and check seat operation.

SEAT SWITCH

REMOVAL

- (1) Remove left cushion side shield (Fig. 2).
- (2) Disconnect wiring from switch.
- (3) Remove the seat and recliner switch knobs.
- (4) Remove attaching screws and switch from bezel.

INSTALLATION

For installation, reverse the above procedure.

SEAT TRACK

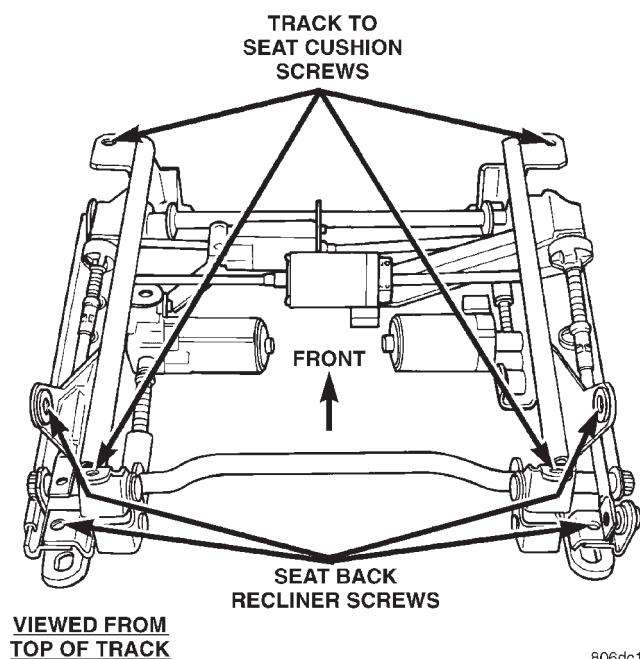
REMOVAL

- (1) Seat removed from vehicle. Using a clean area to place seat.
- (2) Remove two seat back mounting screws and also remove two seat back recliner screws (Fig. 4).
- (3) Remove four seat track mounting screws from cushion pan.
- (4) Remove track from seat.

REMOVAL AND INSTALLATION (Continued)

INSTALLATION

For installation, reverse the above procedure.



806dc17d

Fig. 4 Seat Track Removal

