

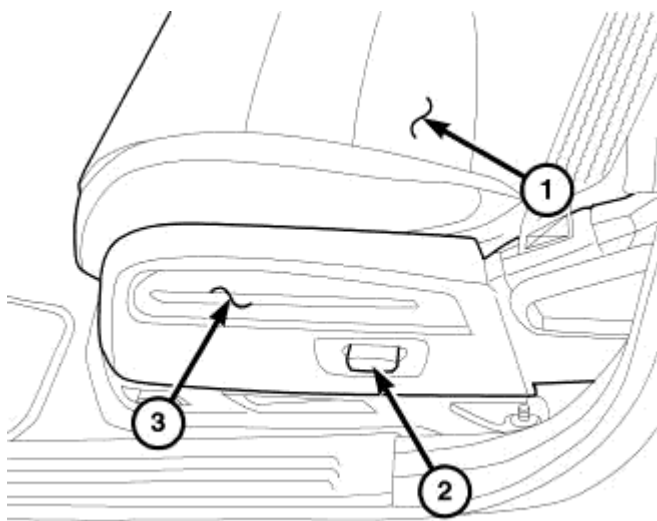
2009 ACCESSORIES AND EQUIPMENT

Power Seats - Service Information - Journey

DESCRIPTION

DESCRIPTION

POWER SEAT SYSTEM

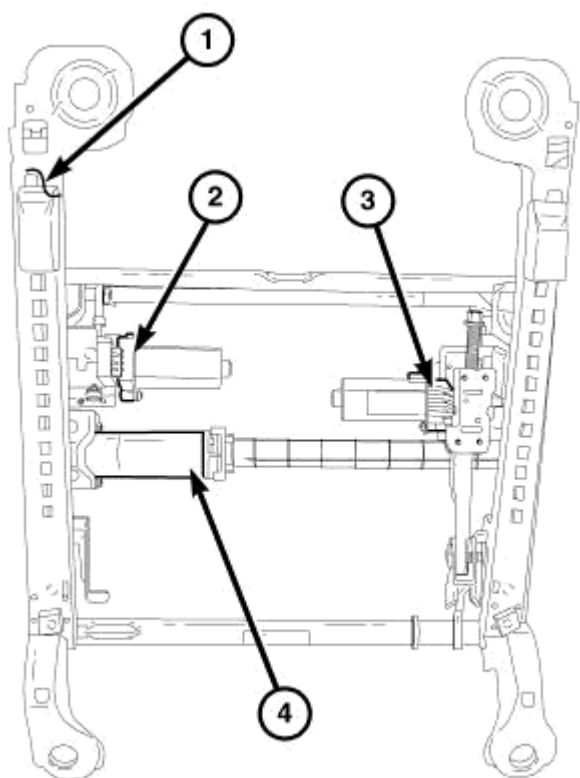


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Fig. 1: Identifying Power Seat Switch, Seat Cushion & Seat Cushion Side Shield
Courtesy of CHRYSLER LLC

The driver six-way power seat is available on this vehicle. The power seat system allows the seat occupant to electrically adjust the seating position using the power seat switch assembly (2) located on the outboard seat cushion side shield (3).

The six-way power seat includes a six-way adjustable seat cushion track (1). The power seat can be adjusted up, down, front up, front down, forward, rearward. The power seat system is also available with the heated seat option. Refer to **Electrical - Heated/Cooled Systems/Heated Seats - Description** for additional information on the heated seats.



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Fig. 2: Identifying Power Seat Adjuster
Courtesy of CHRYSLER LLC

The power seat adjuster (1) contains two reversible motors that are connected to worm-drive gearboxes that move the seat adjusters through screw-type drive units. These motors are the height adjust motor (3) and the front tilt motor (2). The third motor on the power seat adjuster is responsible for the fore and aft movement of the power seat. The fore/aft motor (4) is a reversible motor that is connected through two flex drive cables to a worm-drive gearbox that moves the seat adjuster through a screw-type drive unit. Each motor contains a self-resetting circuit breaker to protect it from overload. Consecutive or frequent resetting of the circuit breakers may damage the motors.

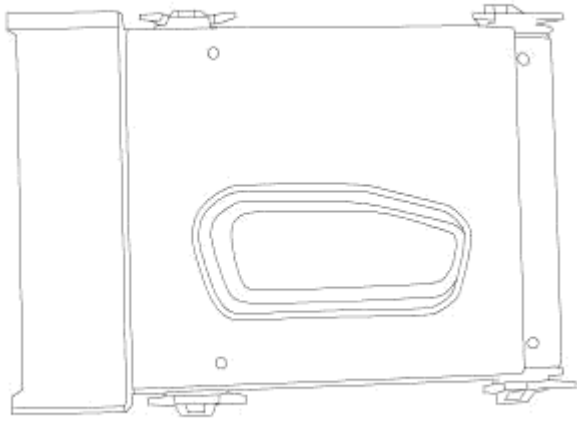
The power seat adjuster assembly (1) includes the following major components:

The **Front Tilt Motor (2)** is located on the upper power seat adjuster assembly and controls the up and down movement of the seat front only. The front tilt motor is available as a service part and if found to be inoperative or damaged should be replaced. See **Removal** .

The **Height Adjust Motor (3)** is located on the rear of the lower power seat adjuster assembly and controls the up and down movement of the entire seat. The height adjust motor is available as a service part and if found to be inoperative or damaged should be replaced. See **Removal** .

The **Fore/Aft Motor (4)** is a reversible motor that is connected through two flex drive cables to a worm-drive gearbox that moves the seat adjuster through a screw-type drive unit. This motor is responsible for the fore and

aft movement of the power seat. The fore/aft motor is available as a service kit that includes the flex drive cables. If the motor is found to be inoperative or damaged it should be replaced. See **Removal**



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Fig. 3: Power Seat Switch

Courtesy of CHRYSLER LLC

Power Seat Switch - Vehicles may be equipped with a driver side six-way power seat switch. The power seat switches are paddle-type levers mounted on the outboard seat side shields. Movement of the seat cushions mimics the action of the switch paddles.

OPERATION

OPERATION

The power seat system receives battery current through a fuse in the Totally Integrated Power Module (TIPM) so that the power seats remain operational, regardless of the ignition switch position.

When a power seat switch is actuated, a battery feed and a ground path are applied through the power seat switch contacts to the appropriate motor or motors. The motor and drive unit operate to move the seat in the selected direction until the switch is released, or until the travel limit of the power seat track is reached. When the switch is moved in the opposite direction, the battery feed and ground path to the motor is reversed through the switch contacts. This causes the motor to run in the opposite direction.

DIAGNOSIS AND TESTING

POWER SEAT SYSTEM

Operate the power seat switch and move the seat in all directions. The seat should move in each of the selected directions.

If the power seat adjuster fails to operate in more than one direction, proceed as follows:

1. Inspect the power seat adjuster motors to ensure the electrical connectors are fully seated to the motors. If OK, go to 2. If not OK, connect the electrical connector to the fully seated position.
2. Check the power seat fuse in the Totally Integrated Power Module (TIPM). If OK, go to 3. If not OK, replace the inoperative fuse.
3. Remove the power seat switch from the seat cushion side panel. Check for battery voltage at the fused B (+) circuit cavity of the power seat switch wire harness connector. If OK, go to 4. If not OK, repair the open circuit to the TIPM as required.
4. Check for continuity between the ground circuit cavity of the power seat switch wire harness connector and a good ground. There should be continuity. If OK, go to 5. If not OK, repair the open circuit to ground as required.
5. See [Diagnosis and Testing](#) . If the switch tests OK, check the wire harness between the power seat switch and the motor. If the circuits check OK, replace the faulty power seat motor, track or seat back frame assembly. If the circuits are not OK, repair the wire harness as required.

POWER SEAT DIAGNOSIS CHART

SYMPTOM	POSSIBLE CAUSE	CORRECTION
Power seat inoperative in all directions	Blown Fuse or inoperative circuit breaker	Check for damaged wiring and possible circuit short, Refer to SYSTEM WIRING DIAGRAMS for complete circuit schematic or connector pin-out information. Repair as necessary
	Power seat switch	Perform appropriate power seat switch test. See Diagnosis and Testing . Replace switch as necessary
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to SYSTEM WIRING DIAGRAMS for complete circuit schematic or connector pin-out information. Repair as necessary
Fore/aft seat movement completely inoperative	Power seat switch	Perform appropriate power seat switch test. See Diagnosis and Testing . Replace switch as necessary
	Fore aft motor or flex drive cable.	Replace the fore aft motor assembly.
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to SYSTEM WIRING DIAGRAMS for complete circuit schematic or connector pin-out information. Repair as necessary
Up/down seat movement completely inoperative	Power seat switch	Perform appropriate power seat switch test. See Diagnosis and Testing . Replace switch as necessary
	Height adjust motor or drive assembly	Replace the height adjust motor and drive assembly.

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-	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to SYSTEM WIRING DIAGRAMS for complete circuit schematic or connector pin-out information. Repair as necessary
Seat tilt movement completely inoperative	Power seat switch	Perform appropriate power seat switch test. See Diagnosis and Testing . Replace switch as necessary
	Front tilt motor or drive assembly	Replace the front tilt motor and drive assembly.
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to SYSTEM WIRING DIAGRAMS for complete circuit schematic or connector pin-out information. Repair as necessary
Seat motion chattering or vibrating during fore/aft movement	Foreign material under seat or in seat track	Remove foreign material. Clean and lubricate seat tracks as necessary
	Poor seat track lubrication	Lubricate the lower portion of the effected seat tracks
	Loose components	Check and tighten loose components as necessary
	Binding or sticking of components	Loosen seat track to vehicle mounting bolts. Using the power seat switch, move the effected seat reward to the track stops. Tighten track bolts to proper torque and recheck seat operation. If seat motion is still abnormal, replace the fore aft motor assembly.
	Fore aft motor or flex drive cable.	Replace the fore aft motor assembly.
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to SYSTEM WIRING DIAGRAMS for complete circuit schematic or connector pin-out information. Repair as necessary
Seat motion chattering or vibrating during up/down movement	Foreign material under seat or in upper seat track pivots	Remove foreign material. Clean and lubricate upper seat track pivots as necessary
	Poor upper seat track pivot lubrication	Lubricate the effected upper seat track pivots
	Poor height adjust motor drive assembly lubrication	Lubricate the height adjust motor drive assembly
	Loose components	Check and tighten loose components as necessary

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	Binding or sticking of components	Inspect and lubricate the effected upper seat track pivots. Recheck seat operation. If seat motion is still abnormal, replace the power seat track assembly.
	height adjust motor or drive assembly	Replace the height adjust motor and drive assembly.
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to <u>SYSTEM WIRING DIAGRAMS</u> for complete circuit schematic or connector pin-out information. Repair as necessary
Seat motion chattering or vibrating during seat tilt movement	Foreign material under seat or in upper seat track pivots	Remove foreign material. Clean and lubricate upper seat track pivots as necessary
	Poor upper seat track pivot lubrication	Lubricate the effected upper seat track pivots
	Poor front tilt motor drive assembly lubrication	Lubricate the front tilt motor drive assembly
	Loose components	Check and tighten loose components as necessary
	Binding or sticking of components	Inspect and lubricate the effected upper seat track pivots. Recheck seat operation. If seat motion is still abnormal, replace the power seat track assembly.
	Front tilt motor or drive assembly	Replace the front tilt motor and drive assembly.
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to <u>SYSTEM WIRING DIAGRAMS</u> for complete circuit schematic or connector pin-out information. Repair as necessary
Slow seat motion during fore/aft movement	Battery voltage low	Check vehicle charging system operation. Repair charging system and charge battery as necessary
	Poor power seat system ground	Check for loose ground connections or damaged wiring, Refer to <u>SYSTEM WIRING DIAGRAMS</u> for complete circuit schematic or connector pin-out information. Repair as necessary
	Foreign material under seat or in seat track	Remove foreign material. Clean and lubricate seat tracks as necessary
	Poor seat track lubrication	Lubricate the lower portion of the effected seat tracks
	Loose components	Check and tighten loose components as necessary

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	Binding or sticking of components	Loosen seat track to vehicle mounting bolts. Using the power seat switch, move the effected seat reward to the track stops. Tighten track bolts to proper torque and recheck seat operation. If seat motion is still abnormal, replace the fore aft motor assembly.
	Fore aft motor or flex drive cable.	Replace the fore aft motor assembly.
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to <u>SYSTEM WIRING DIAGRAMS</u> for complete circuit schematic or connector pin-out information. Repair as necessary
Slow seat motion during up/down movement	Battery voltage low	Check vehicle charging system operation. Repair charging system and charge battery as necessary
	Poor power seat system ground	Check for loose ground connections or damaged wiring, Refer to <u>SYSTEM WIRING DIAGRAMS</u> for complete circuit schematic or connector pin-out information. Repair as necessary
	Foreign material under seat or in upper seat track pivots	Remove foreign material. Clean and lubricate upper seat track pivots as necessary
	Poor upper seat track pivot lubrication	Lubricate the effected upper seat track pivots
	Poor height adjust motor drive assembly lubrication	Lubricate the height adjust motor drive assembly
	Loose components	Check and tighten loose components as necessary
	Binding or sticking of components	Inspect and lubricate the effected upper seat track pivots. Recheck seat operation. If seat motion is still abnormal, replace the power seat track assembly.
	Height adjust motor or drive assembly	Replace the height adjust motor and drive assembly.
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to <u>SYSTEM WIRING DIAGRAMS</u> for complete circuit schematic or connector pin-out information. Repair as necessary
Slow seat motion during seat tilt movement	Battery voltage low	Check vehicle charging system operation. Repair charging system and charge battery as necessary

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	Poor power seat system ground	Check for loose ground connections or damaged wiring, Refer to SYSTEM WIRING DIAGRAMS for complete circuit schematic or connector pin-out information. Repair as necessary
	Foreign material under seat or in upper seat track pivots	Remove foreign material. Clean and lubricate upper seat track pivots as necessary
	Poor upper seat track pivot lubrication	Lubricate the effected upper seat track pivots
	Poor front tilt motor drive assembly lubrication	Lubricate the front tilt motor drive assembly
	Loose components	Check and tighten loose components as necessary
	Binding or sticking of components	Inspect and lubricate the effected upper seat track pivots. Recheck seat operation. If seat motion is still abnormal, replace the power seat track assembly.
	Front tilt motor or drive assembly	Replace the front tilt motor and drive assembly.
	Wiring problems (system or vehicle)	Check for loose wire connections or damaged wiring, Refer to SYSTEM WIRING DIAGRAMS for complete circuit schematic or connector pin-out information. Repair as necessary
Squeaks, noises and rattles during fore/aft movement	Foreign material under seat or in seat track	Remove foreign material. Clean and lubricate seat tracks as necessary
	Poor seat track lubrication	Lubricate the lower portion of the effected seat tracks
	Loose components	Check and tighten loose components as necessary
	Binding or sticking of components	Loosen seat track to vehicle mounting bolts. Using the power seat switch, move the effected seat reward to the track stops. Tighten track bolts to proper torque and recheck seat operation. If seat motion is still abnormal, replace the fore aft motor assembly.
	Fore aft motor or flex drive cable.	Replace the fore aft motor assembly.
Squeaks, noises and rattles during up/down movement	Foreign material under seat or in upper seat track pivots	Remove foreign material. Clean and lubricate upper seat track pivots as necessary
	Poor upper seat track pivot lubrication	Lubricate the effected upper seat track pivots

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	Poor height adjust motor drive assembly lubrication	Lubricate the height adjust motor drive assembly
	Loose components	Check and tighten loose components as necessary
	Binding or sticking of components	Inspect and lubricate the effected upper seat track pivots. Recheck seat operation. If seat motion is still abnormal, replace the power seat track assembly.
	height adjust motor or drive assembly	Replace the power seat track assembly.
Squeaks, noises and rattles during seat tilt movement	Foreign material under seat or in upper seat track pivots	Remove foreign material. Clean and lubricate upper seat track pivots as necessary
	Poor upper seat track pivot lubrication	Lubricate the effected upper seat track pivots
	Poor front tilt motor drive assembly lubrication	Lubricate the front tilt motor drive assembly
	Loose components	Check and tighten loose components as necessary
	Binding or sticking of components	Inspect and lubricate the effected upper seat track pivots. Recheck seat operation. If seat motion is still abnormal, replace the power seat track assembly.
	Front tilt motor or drive assembly	Replace the power seat track assembly.

SPECIFICATIONS

TORQUE

TORQUE SPECIFICATIONS

DESCRIPTION	N.m	Ft. Lbs.	In. Lbs.
Fore/Aft Motor to Mounting Bracket Screws	5	-	45
Front Tilt Motor and Gearbox Assembly to Mounting Bracket Screws	12	-	106
Front Tilt Motor Gearbox Spindle to Front Seat Track Tube Screw	17	-	150
Height Adjust Motor and Gearbox Assembly to Mounting Bracket Screws	12	-	106
Height Adjust Motor	17	-	150

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Gearbox Spindle to Rear Seat Track Tube Screw			
Power Seat Track to Front Seat Cushion Bolts	28	21	-
Seat Riser to Power Seat Track Nuts/Bolts	48	35	-
Seat Riser to Vehicle Floor Nuts	88	65	-

MOTOR, SEAT, FORE AFT

REMOVAL

REMOVAL

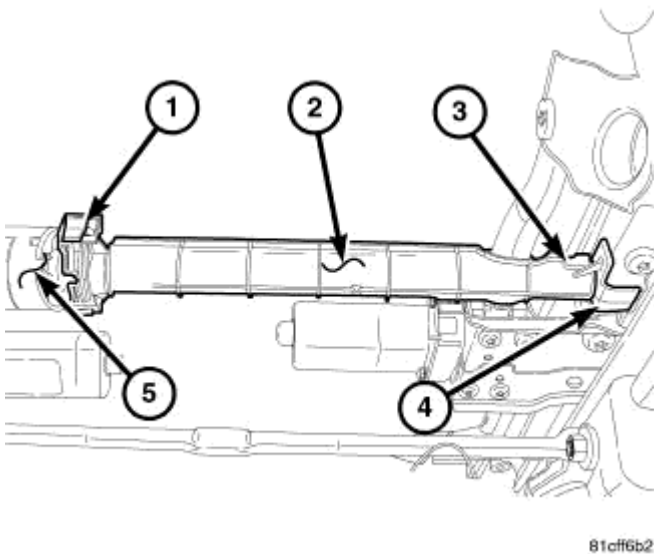


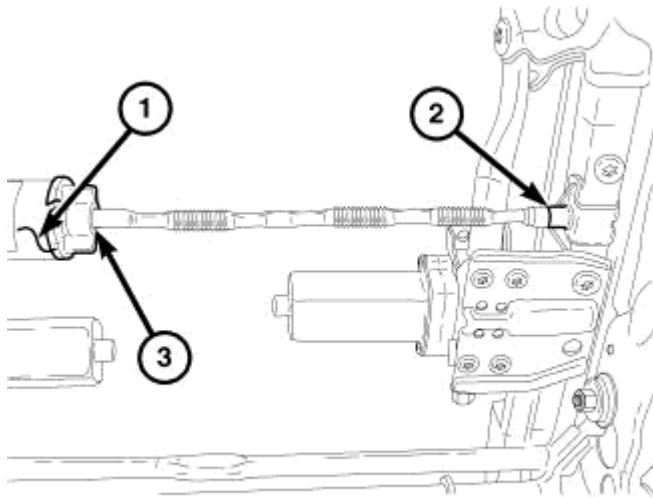
Fig. 4: Identifying Power Seat Fore/Aft Motor

Courtesy of CHRYSLER LLC

WARNING: Disable the airbag system before attempting any component diagnosis or service of the front seats, when equipped with front seat air bags. Disconnect and isolate the negative battery (ground) cable, then wait two minutes for the airbag system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the airbag system. Failure to take the proper precautions may result in accidental airbag deployment and possible serious or fatal injury.

1. Disconnect and isolate the battery negative cable.
2. Remove the inoperative front seat assembly. Refer to **Body/Seats/SEAT - Removal** .
3. Remove the flex drive cable cover (2).

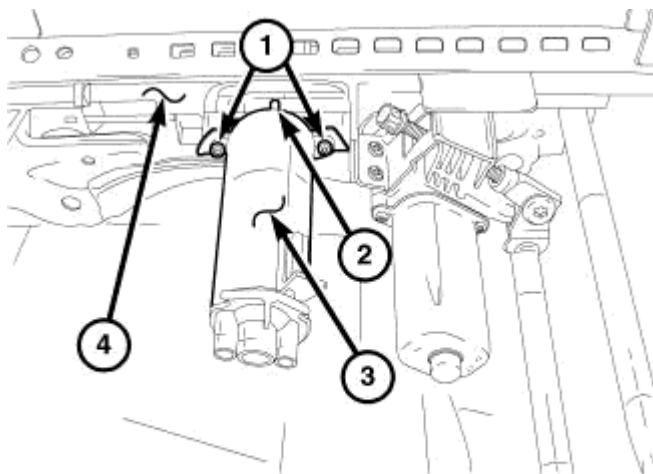
- a. Using a small flat bladed tool, release the mounting strap (1) that secures the flex drive cable cover (2) to the fore/aft motor (5).
- b. Pivot the cover away from the cable and pull it away from the seat frame (4) to disengage the cover slot from the mounting tab (3).



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Fig. 5: Flex Drive Cable
Courtesy of CHRYSLER LLC

4. Remove the flex drive cable.
 - a. Carefully bend the flex drive cable at the center and pull the motor end (3) away from the fore/aft motor (1) to disengage.
 - b. Pull the cable out of the screw drive assembly (2) and remove from seat track.



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Fig. 6: Seat Frame Assembly
Courtesy of CHRYSLER LLC

5. Disconnect the fore aft motor electrical connector.
6. Remove the fore/aft motor to mounting bracket retaining screws (1).
7. Remove the fore/aft motor (3).
8. Remove the short flex drive cable (2) from the seat frame assembly (4).

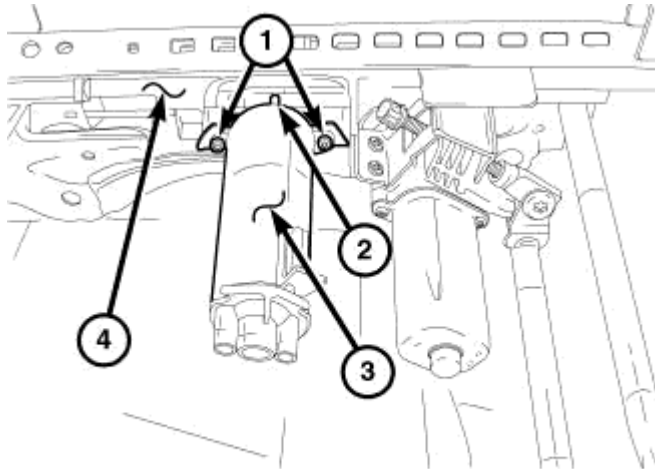
INSTALLATION

INSTALLATION

WARNING: Disable the airbag system before attempting any component diagnosis or service of the front seats, when equipped with front seat air bags. Disconnect and isolate the negative battery (ground) cable, then wait two minutes for the airbag system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the airbag system. Failure to take the proper precautions may result in accidental airbag deployment and possible serious or fatal injury.

CAUTION: Seat track side to side timing may be off if the fore aft motor was completely inoperative prior to removal. In the event the track timing is in question, proceed to 1 for track timing procedure. If track timing is not in question proceed to 2.

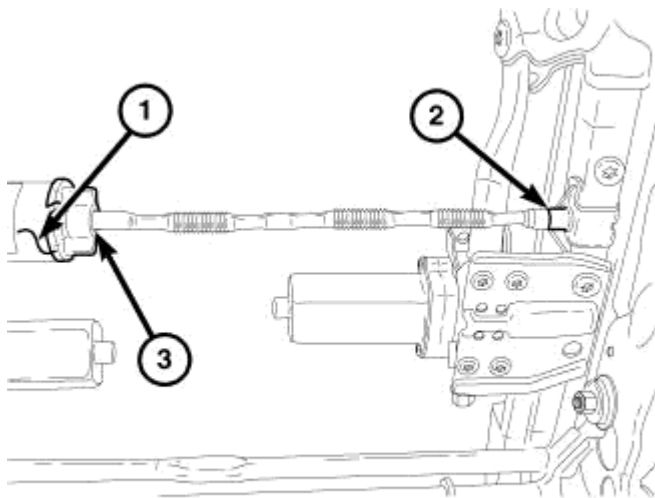
1. Using the square drive end of the old flex drive cable and a variable speed drill motor, drive the seat track screw drive assemblies reward until they reach the rear stops.
 - a. Clamp one end of the old cable into the drill motor chuck.
 - b. Put the other cable end into the seat track screw drive cable slot and slowly drive the seat track assembly reward until it reaches the rear stops. Take care not to bind the cable when the drive reaches the stop.
 - c. Repeat this procedure for the other seat track.



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Fig. 7: Seat Frame Assembly
Courtesy of CHRYSLER LLC

2. Install the short flex drive cable (2) into the seat frame assembly (4). Ensure the square cable end is properly aligned and fully inserted into the square drive slot of the screw drive assembly.
3. Install the fore/aft motor (3) ensuring the square cable end is properly aligned and fully inserted into the square drive slot of the motor.
4. Install the motor retaining screws (1). Tighten the screws to 5 N.m (45 in. lbs.).



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Fig. 8: Flex Drive Cable
Courtesy of CHRYSLER LLC

5. Install the flex drive cable.
 - a. Install the flex drive cable into the seat frame assembly (2). Ensure the square cable end is properly aligned and fully inserted into the square drive slot of the screw drive assembly.

- b. Install the flex drive cable into the fore/aft motor (1). Ensure the square cable end is properly aligned and fully inserted into the square drive slot of the motor assembly (3).

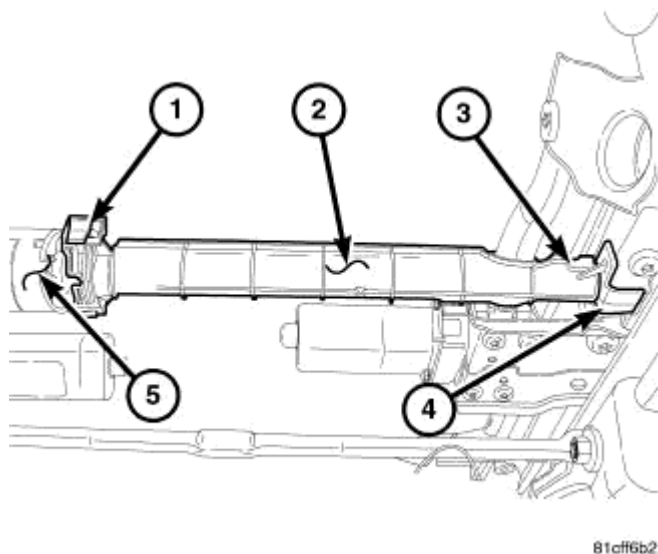


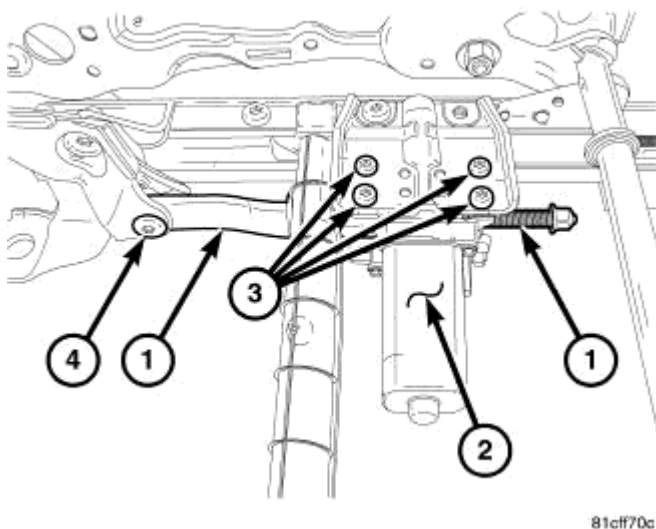
Fig. 9: Identifying Power Seat Fore/Aft Motor
 Courtesy of CHRYSLER LLC

6. Position the flex drive cable cover (2) onto the seat track assembly (4). Ensure the cover slots are properly aligned and fully inserted onto the mounting tabs (3).
7. Pivot the cable cover towards the cable and onto the fore/aft motor (5).
8. Secure the cover to the motor with the retaining strap (1).
9. Connect the fore/aft motor electrical connector.
10. Install the power seat. Refer to **Body/Seats/SEAT - Installation** .
11. Verify proper power seat operation.

MOTOR, SEAT, HEIGHT ADJUST

REMOVAL

REMOVAL



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Fig. 10: Height Adjust Motor And Gearbox Assembly
Courtesy of CHRYSLER LLC

WARNING: Disable the airbag system before attempting any component diagnosis or service of the front seats, when equipped with front seat air bags. Disconnect and isolate the negative battery (ground) cable, then wait two minutes for the airbag system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the airbag system. Failure to take the proper precautions may result in accidental airbag deployment and possible serious or fatal injury.

WARNING: Use caution when removing the height adjust motor and gearbox assembly (2) if the motor is inoperative, and the power seat is not in the full up position. The seat adjuster assembly is under load from the height adjust assist spring and may cause the motor to rotate under pressure when the fasteners are removed. The seat adjuster assembly also may spring upward when the motor is removed. If the height adjust motor is operative, move the power seat to the full up position prior to disconnecting the battery.

1. Disconnect and isolate the battery negative cable.
2. Remove the inoperative front seat assembly. Refer to **Body/Seats/SEAT - Removal**.
3. Disconnect the height adjust motor electrical connector.
4. Remove the height adjust motor gearbox spindle (1) retaining screw (4).
5. Remove the motor retaining screws (3).
6. Remove the height adjust motor and gearbox assembly (2) from the seat track.

INSTALLATION

INSTALLATION

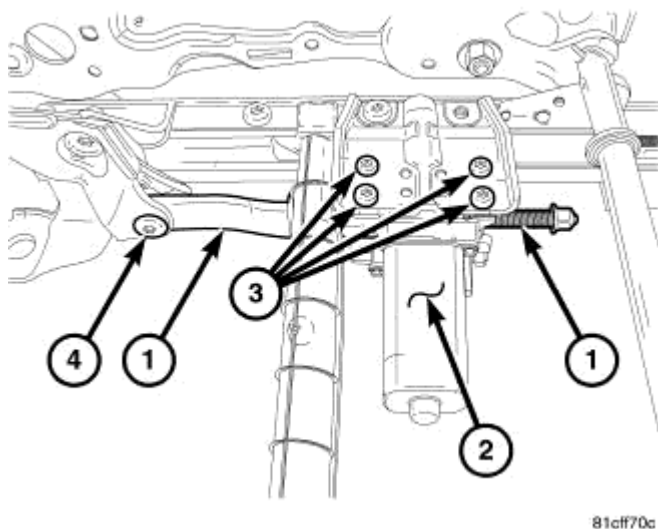


Fig. 11: Height Adjust Motor And Gearbox Assembly
Courtesy of CHRYSLER LLC

1. Screw the height adjust motor gearbox spindle (1) in or out as necessary until the motor retaining screws (3) and spindle screw (4) holes are aligned and all fasteners can be installed.
2. Position the height adjust motor and gearbox assembly (2) onto the seat track.
3. Install the motor retaining screws (3). Tighten the screws to 12 N.m (106 in. lbs.).
4. Install the height adjust motor gearbox spindle (1) retaining screw (4). Tighten the screw to 17 N.m (150 in. lbs.).
5. Connect the motor electrical connector.
6. Install the power seat. Refer to **Body/Seats/SEAT - Installation** .
7. Verify proper power seat operation.

MOTOR, SEAT, TILT

REMOVAL

REMOVAL

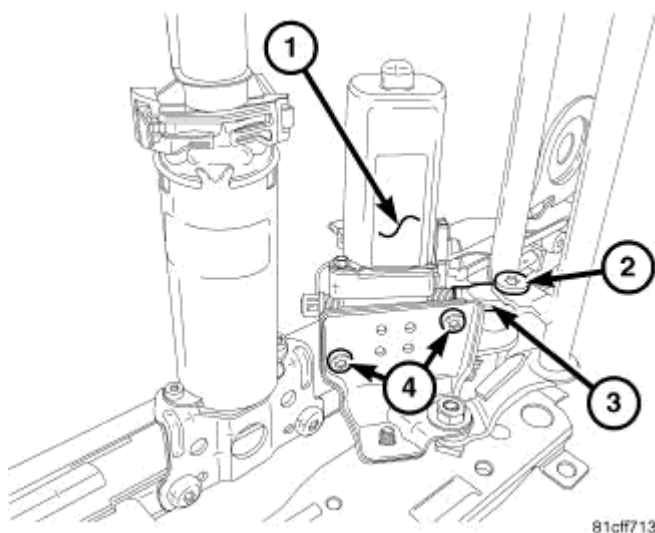


Fig. 12: Power Seat Tilt Motor And Drive Assembly
Courtesy of CHRYSLER LLC

WARNING: Disable the airbag system before attempting any component diagnosis or service of the front seats, when equipped with front seat air bags. Disconnect and isolate the negative battery (ground) cable, then wait two minutes for the airbag system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the airbag system. Failure to take the proper precautions may result in accidental airbag deployment and possible serious or fatal injury.

1. Disconnect and isolate the battery negative cable.
2. Remove the inoperative front seat assembly. Refer to **Body/Seats/SEAT - Removal** .
3. Disconnect the front tilt motor electrical connector.
4. Remove the front tilt motor gearbox spindle (3) retaining screw (2).
5. Remove the motor retaining screws (4).
6. Remove the front tilt motor and gearbox assembly (1) from the seat track.

INSTALLATION

INSTALLATION

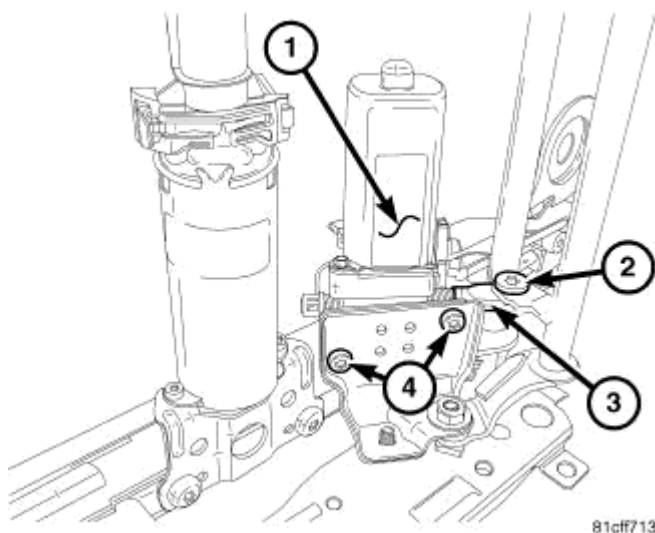


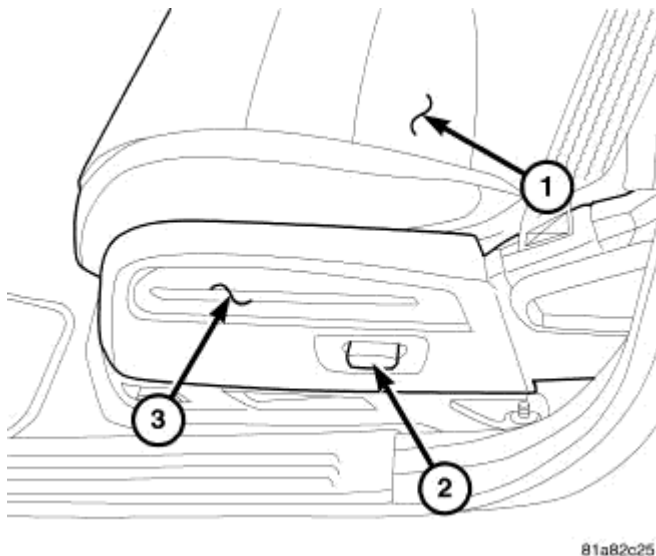
Fig. 13: Power Seat Tilt Motor And Drive Assembly
Courtesy of CHRYSLER LLC

1. Screw the front tilt motor gearbox spindle (3) in or out as necessary until the motor retaining screws (4) and spindle screw (2) holes are aligned and all fasteners can be installed.
2. Position the front tilt motor and gearbox assembly (1) onto the seat track.
3. Install the motor retaining screws (4). Tighten the screws to 12 N.m (106 in. lbs.).
4. Install the front tilt motor gearbox spindle (3) retaining screw (2). Tighten the screw to 17 N.m (150 in. lbs.).
5. Connect the motor electrical connector.
6. Install the power seat. Refer to **Body/Seats/SEAT - Installation** .
7. Verify proper power seat operation.

SWITCH, SEAT

DESCRIPTION

DESCRIPTION



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Fig. 14: Identifying Power Seat Switch, Seat Cushion & Seat Cushion Side Shield**Courtesy of CHRYSLER LLC**

The driver power seat can be adjusted in six different ways using the power seat switch. The power seat switch (2) is located on the lower outboard side of the seat cushion (1) on the seat cushion side shield (3). The power seat system incorporates a seat switch with a seat cushion control paddle.

The individual components in the power seat switch assembly cannot be repaired. If the switch is damaged or inoperative, the entire power seat switch must be replaced.

OPERATION

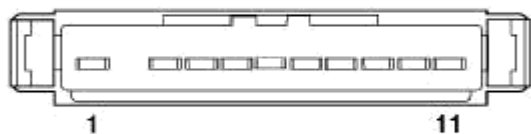
OPERATION

When a power seat switch is actuated, a battery feed and a ground path are applied through the switch contacts to the power seat track adjuster motor. The selected adjuster motor operates to move the seat through its drive unit in the selected direction until the switch is released, or until the travel limit of the adjuster is reached. When the switch is moved in the opposite direction, the battery feed and ground path to the motor are reversed through the switch contacts. This causes the adjuster motor to run in the opposite direction.

No power seat switch should be held applied in any direction after the adjuster has reached its travel limit. The power seat adjuster motors each contain a self-resetting circuit breaker to protect them from overload. However, consecutive or frequent resetting of the circuit breaker may result in motor damage.

DIAGNOSIS AND TESTING

POWER SEAT SWITCH



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Fig. 15: Power Seat Switch Terminals

Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Remove the power seat switch from the power seat. See **Removal** .
3. Use an ohmmeter to test the continuity of the power seat switch. Refer to **POWER SEAT SWITCH CONTINUITY** table. If not OK, replace the faulty power seat switch. If switch tests OK. See **Diagnosis and Testing** .

POWER SEAT SWITCH CONTINUITY

SWITCH POSITION	CONTINUITY BETWEEN
OFF	7-4, 7-5, 7-8, 7-9, 7-10, 7-11
HORIZONTAL FORWARD	6-8, 7-4, 7-5, 7-9, 7-10, 7-11
HORIZONTAL REARWARD	6-4, 7-5, 7-8, 7-9, 7-10, 7-11
FRONT TILT DOWN	6-5, 7-4, 7-8, 7-9, 7-10, 7-11
FRONT TILT UP	6-9, 7-4, 7-5, 7-8, 7-10, 7-11
REAR TILT DOWN	6-10, 7-4, 7-5, 7-8, 7-9, 7-11
REAR TILT UP	6-11, 7-4, 7-5, 7-8, 7-9, 7-10

REMOVAL**REMOVAL**

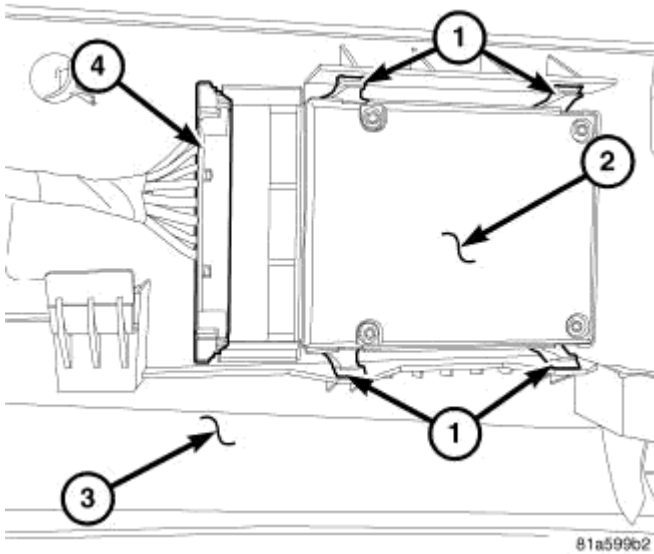


Fig. 16: Power Seat Switch
Courtesy of CHRYSLER LLC

1. Disconnect and isolate the battery negative cable.
2. Remove the outboard seat cushion side shield (3).
3. Disconnect the power seat switch electrical harness connector (4).
4. Using a small flat bladed tool, gently release the four mounting tabs (1) that secure the power seat switch (2) and separate switch from side shield (3).

INSTALLATION

INSTALLATION

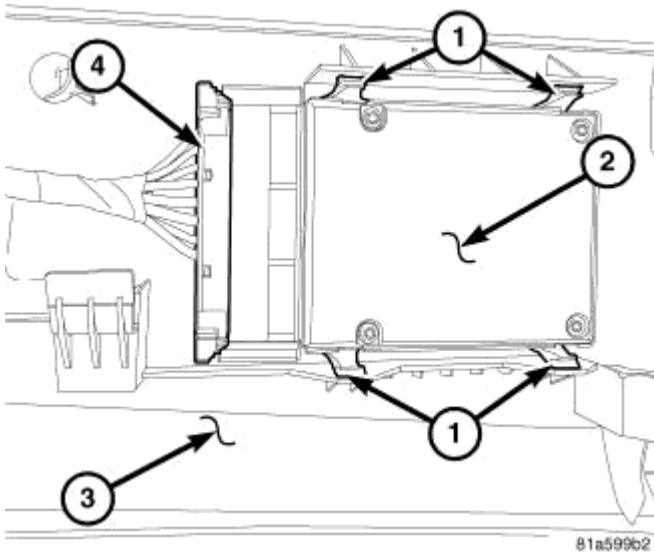


Fig. 17: Power Seat Switch
Courtesy of CHRYSLER LLC

1. Position the power seat switch (2) onto the seat cushion side shield (3). Gently apply pressure to the switch until the four mounting tabs (1) are fully seated into place.
2. Connect the power seat switch electrical connector (4).
3. Install the seat cushion outboard side shield.
4. Connect the battery negative cable.
5. Verify normal operation of the power seat assembly.

TRACK, SEAT

REMOVAL

REMOVAL

WARNING: Disable the airbag system before attempting any component diagnosis or service of the front seats, when equipped with front seat air bags. Disconnect and isolate the negative battery (ground) cable, then wait two minutes for the airbag system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the airbag system. Failure to take the proper precautions may result in accidental airbag deployment and possible serious or fatal injury.

NOTE: Driver seat shown in illustrations. Passenger seat similar.

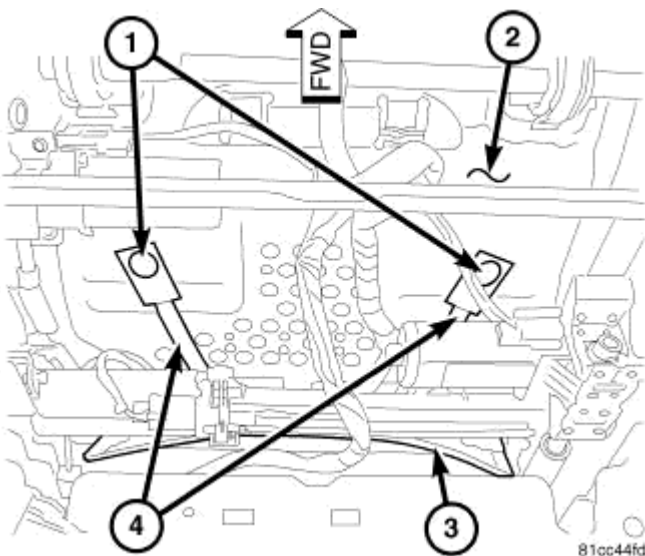


Fig. 18: Front Seat Bottom Closeout
Courtesy of CHRYSLER LLC

1. Position the seat so that the heads of the bolts which secure the rear of the seat riser to the track can be accessed.
2. Remove the seat from the vehicle and place it on a workbench. Refer to **Body/Seats/SEAT - Removal**.

3. Remove the inboard seat cushion side shield. Refer to **Body/Seats/SIDE SHIELDS, Seat Cushion - Removal**.
4. Remove the push-pin retainers (1) that secure the two elastic straps (4) of the seat bottom closeout (3) to the bottom of the seat cushion frame (2) and remove the closeout.

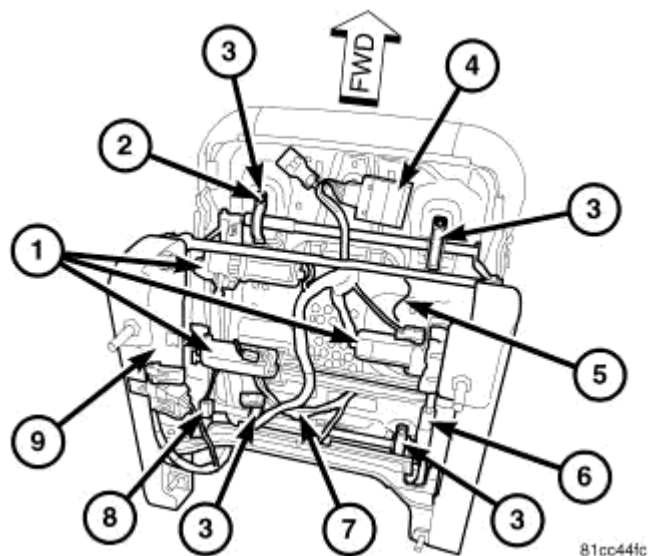


Fig. 19: Seat Cushion Frame
Courtesy of CHRYSLER LLC

NOTE: Heated seat shown in illustration. Non-heated seat similar.

5. If equipped, remove the heated seat module (4) from the bottom of the seat cushion frame (3).
6. Disconnect the wire harness connectors from the power seat motors (1) and the seat track position sensor (8) and remove the wire harness (7) from the bottom of the seat cushion frame and the seat riser (9).
7. If required, remove the seat track position sensor from the seat track.
8. Remove the bolt (2) that secures the four seat track mounting brackets (3) to the bottom of the seat cushion frame.
9. Disengage the seat track mounting brackets from the bottom of the seat cushion frame and remove the seat track assembly (6) from the frame.

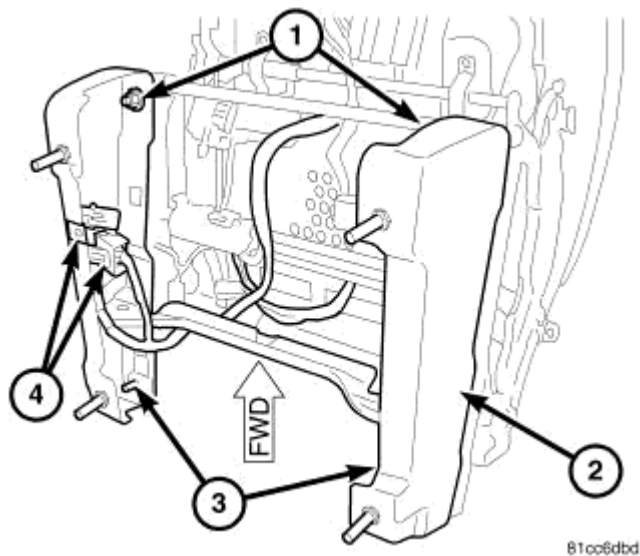


Fig. 20: Seat Riser

Courtesy of CHRYSLER LLC

10. If required, remove the wire harness retaining bracket (4) from the bottom of the seat riser (2).
11. Remove the two nuts (1) and the two bolts (3) that secure the seat riser to the seat track and remove the riser.

INSTALLATION

INSTALLATION

NOTE: Driver seat shown in illustrations. Passenger seat similar.

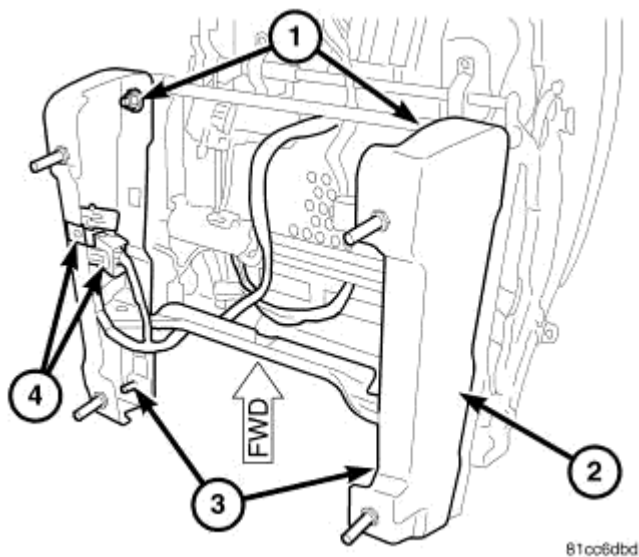


Fig. 21: Seat Riser

Courtesy of CHRYSLER LLC

1. Position the seat riser (2) to the seat track and install the retaining two nuts (1) and bolts (3). Tighten the nuts and bolts to 48 N.m (35 ft. lbs.).
2. Install the wire harness retaining bracket (4) onto the seat riser.

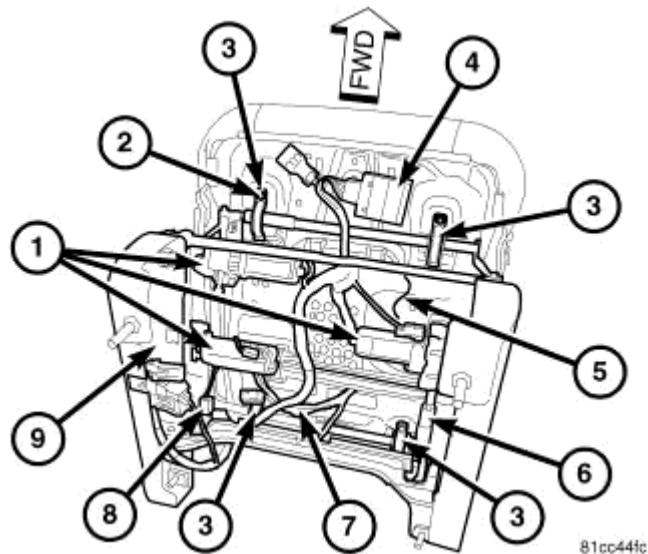


Fig. 22: Seat Track

Courtesy of CHRYSLER LLC

NOTE: Heated seat shown in illustration. Non-heated seat similar.

3. If removed, install the seat track position sensor (8).
4. Position the seat track assembly (6) to the bottom of the seat cushion frame (5). Make sure the seat track is properly located and that the plastic isolators are correctly installed.
5. Engage the four seat track mounting brackets (3) to the bottom of the seat cushion frame and install the retaining bolts (2). Tighten the bolts to 28 N.m (21 ft. lbs.).
6. Install the wire harness (7) to the bottom of the seat cushion frame and to the seat riser (9) and connect the wire harness connectors to the power seat motors (1) and the seat track position sensor.
7. If equipped, install the heated seat module (4) onto the bottom of the seat cushion frame.

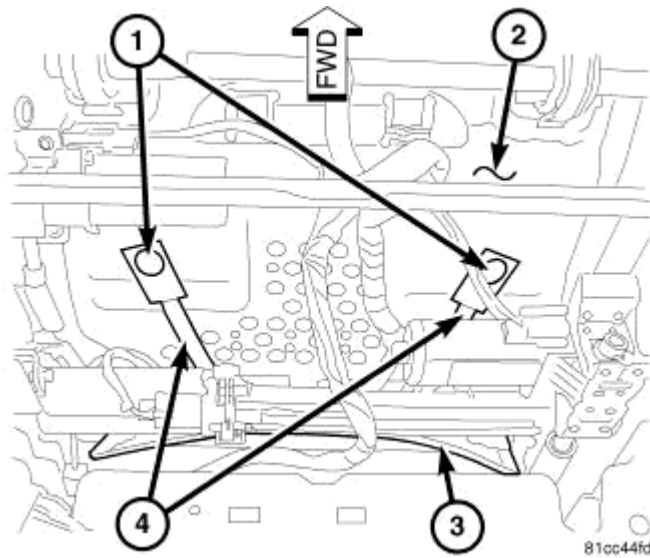


Fig. 23: Front Seat Bottom Closeout
Courtesy of CHRYSLER LLC

8. Position the seat bottom closeout (3) to the rear of the seat and install the push-pin retainers (1) that secure the two elastic straps (4) to the bottom of the seat cushion frame (2).
9. Install the inboard seat cushion side shield. Refer to **Body/Seats/SIDE SHIELDS, Seat Cushion - Installation**.
10. Install the seat into the vehicle. Refer to **Body/Seats/SEAT - Installation**.