

Seats

Specifications

Fastener Tightening Specifications

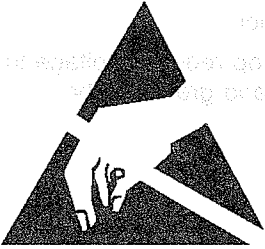
Application	Specification	
	Metric	English
Adjuster Mounting Nuts	50 N·m	37 lb ft
Hinge Bolts	24 N·m	18 lb ft
Seat Belt Buckle Side Mounting Nut	50 N·m	37 lb ft
Seat to Adjuster Bolts	24 N·m	18 lb ft

GM SPO Group Numbers

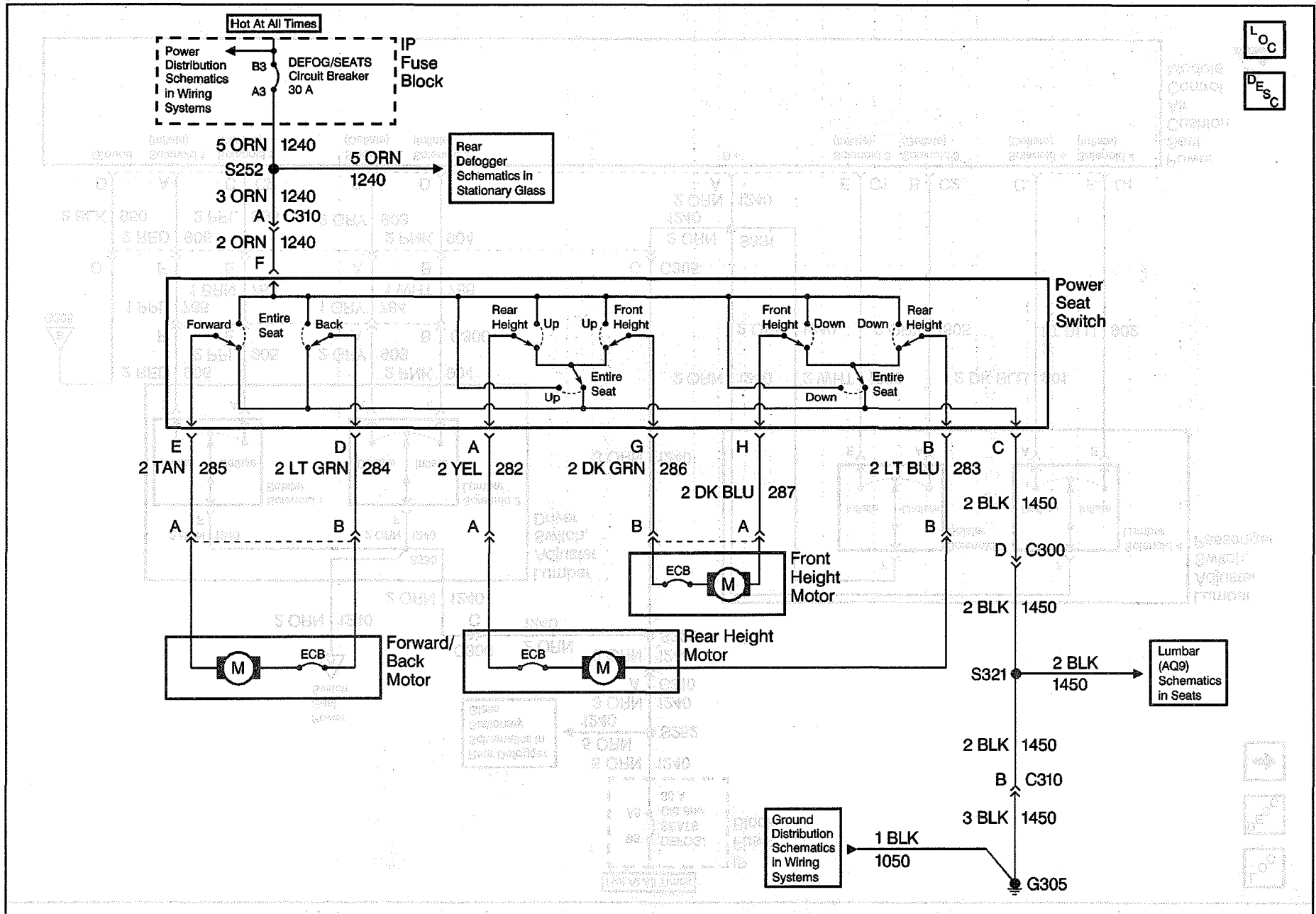
Application	GM SPO Group Number
Adjuster	11.561
Lumbar Bladder	11.378
Lumbar Pump	11.378
Reclining Handle	11.377
Seat Adjuster Cable	11.377
Seat Back Frame	11.373
Seat Back Release Cable	11.390
Seat Cover	14.800
Side Trim Panel	11.377
Switch	11.558

Schematic and Routing Diagrams

Power Seat Systems Schematic Icons

Icon	Icon Definition
	Refer to <i>ESD Notice</i> in Cautions and Notices.

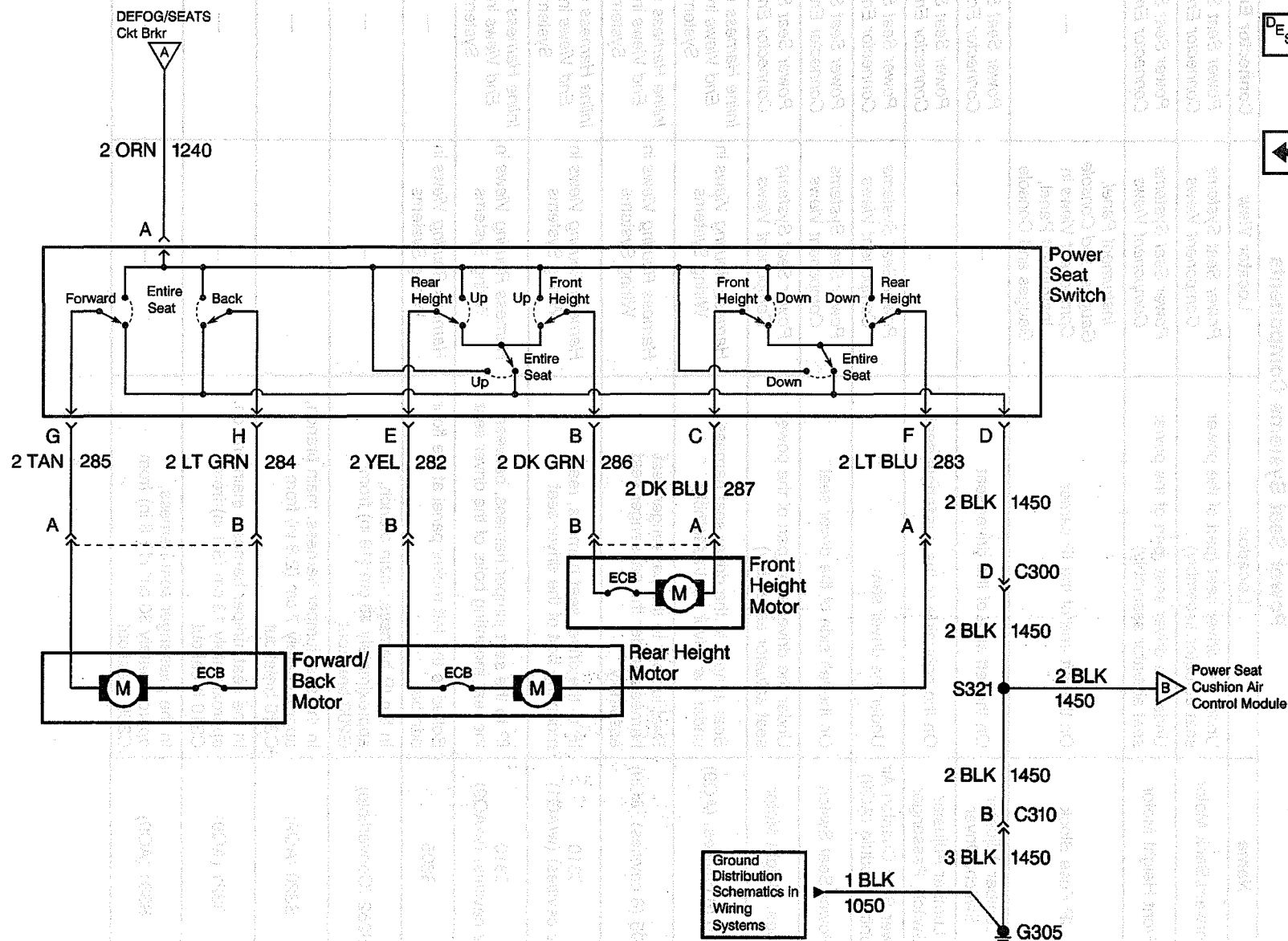
Power Seats Schematics (AG1: Power Seat Switch, Seat Motors)



8-1022 Seats



Lumbar Support Schematics (AQ9: Power Seat Switch, Switch Motors)



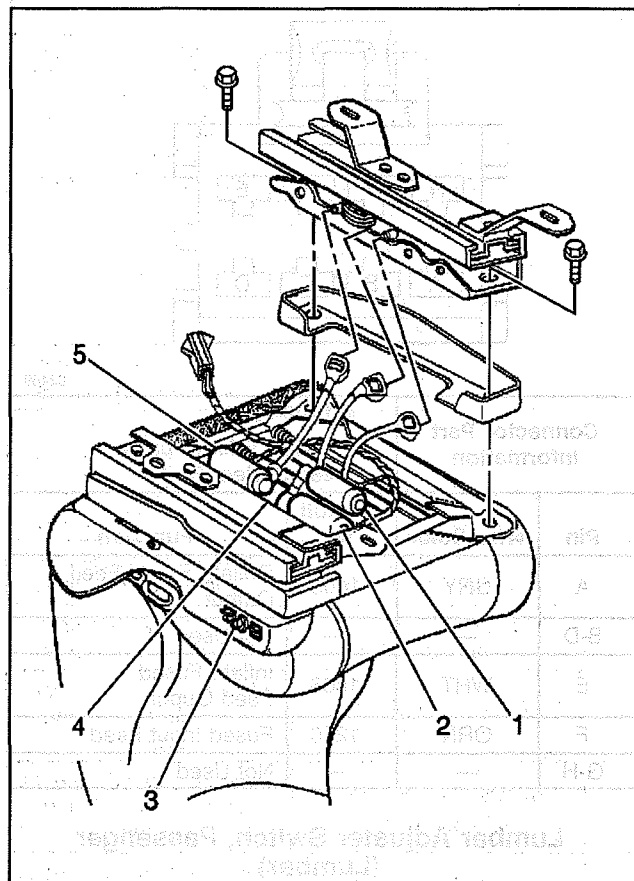
Component Locator

Power Seat Systems Components

Name	Location	Locator View	Connector End View
Forward/Back Motor	Under the driver seat (part of the power seat actuator assembly)	<i>Power Seat Systems Component Views</i>	<i>Power Seat Systems Connector End Views</i>
Front Height Motor	Under the driver seat (part of the power seat actuator assembly)	<i>Power Seat Systems Component Views</i>	<i>Power Seat Systems Connector End Views</i>
IP Fuse Block	On the left end of the IP carrier	<i>Instrument Panel, Gauges, and Console Component Views in Instrument Panel, Gauges and Console</i>	—
Lumbar Adjuster Switch, Driver	On the left side of the driver seat	—	<i>Power Seat Systems Connector End Views</i>
Lumbar Adjuster Switch, Passenger	On the right side of the passenger seat	—	<i>Power Seat Systems Connector End Views</i>
Power Seat Cushion Air Control Module (AQ9)	Under the driver seat	<i>Power Seat Systems Component Views</i>	<i>Power Seat Systems Connector End Views</i>
Power Seat Switch	On the left side of the driver seat	<i>Power Seat Systems Component Views</i>	<i>Power Seat Systems Connector End Views</i>
Rear Height Motor	Under the driver seat (part of the power seat actuator assembly)	<i>Power Seat Systems Component Views</i>	<i>Power Seat Systems Connector End Views</i>
C300 (6 cavities) (AQ9)	Seat jumper to the driver seat harness, under the driver seat assembly	<i>Harness Routing Views in Wiring Systems</i>	<i>Inline Harness Connector End Views in Wiring Systems</i>
C305 (6 cavities) (AQ9)	Seat jumper to the passenger seat harness, under the passenger seat assembly	<i>Harness Routing Views in Wiring Systems</i>	<i>Inline Harness Connector End Views in Wiring Systems</i>
C310 (2 cavities) (w/AG1)	IP to the driver seat harness, rear mounting bolt of the driver seat	<i>Harness Routing Views in Wiring Systems</i>	<i>Inline Harness Connector End Views in Wiring Systems</i>
C310 (2 cavities) (w/AQ9)	IP to the seat jumper harness, between the rear mounting bolts of the driver seat	<i>Harness Routing Views in Wiring Systems</i>	<i>Inline Harness Connector End Views in Wiring Systems</i>
G305	Bolted to the left rocker panel at the floor pan bar	<i>Harness Routing Views in Wiring Systems</i>	—
S252 (Convertible)	In the IP harness, main branch, approximately 48 cm (19 in) from G200 breakout	—	—
S320 (AQ9)	In the seat jumper harness, main branch, approximately 7 cm (2.8 in) from C310 breakout	—	—
S321 (AQ9)	In the seat jumper harness, main branch, approximately 13 cm (5.1 in) from C310 breakout	—	—
S331 (AQ9)	In the passenger seat harness, approximately 30 cm (11.8 in) from C305 breakout	—	—

Power Seat Systems Component Views

Bottom of Drivers Seat



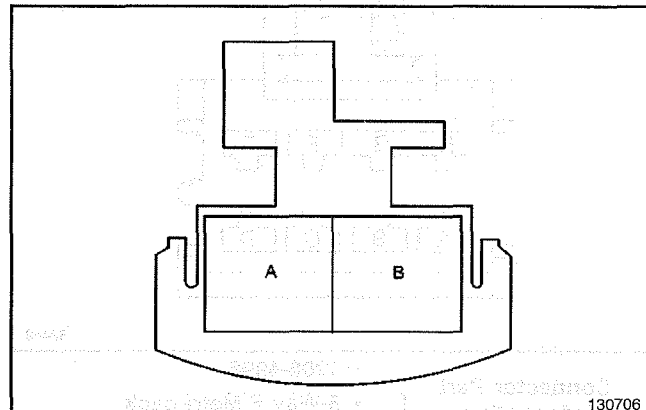
299587

Legend

- (1) Rear Height Motor
- (2) Front Height Motor
- (3) Power Seat Switch
- (4) Power Seat Cushion Air Control Module
- (5) Forward/Back Motor

Power Seat Systems Connector End Views

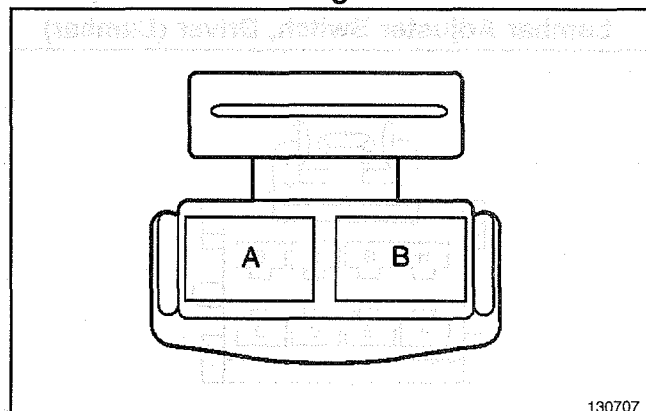
Forward/Back Motor



130706

Connector Part Information		• 1205-2110 • 2-Way F Metri-pack 480 Series (NAT)	
Pin	Wire Color	Circuit No.	Function
A	TAN	285	Entire Seat Forward Fused Input Feed
B	LT GRN	284	Entire Seat Back Fused Input Feed

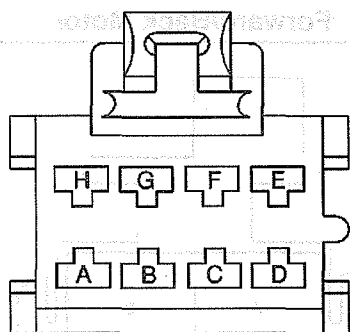
Front Height Motor



130707

Connector Part Information		• 1202-0556 • 2-Way F Metri-pack 480 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	DK BLU	287	Front Height Down Fused Input Feed
B	DK GRN	286	Front Height Up Fused Input Feed

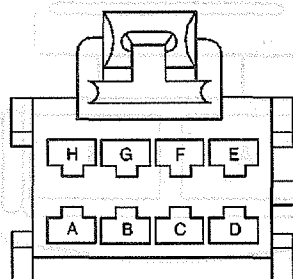
Lumbar Adjuster Switch, Driver (Lateral)



62469

Connector Part Information		• 1206-4998 • 8-Way F Metri-pack 280 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	PPL	905	Deflate Fused Feed Output
B-D	—	—	Not Used
E	RED	906	Inflate Fused Feed Output
F	ORN	1240	Fused Input Feed
G-H	—	—	Not Used

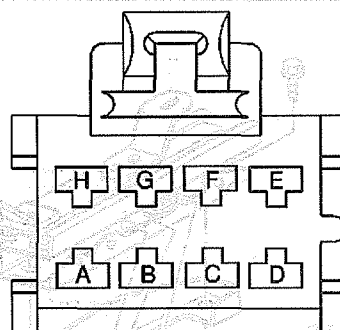
Lumbar Adjuster Switch, Driver (Lumbar)



73155

Connector Part Information		• 1208-9287 • 8-Way F Metri-pack 280 Series (NAT)	
Pin	Wire Color	Circuit No.	Function
A	GRY	903	Deflate Fused Feed Output
B-D	—	—	Not Used
E	PNK	904	Inflate Fused Feed Output
F	ORN	1240	Fused Input Feed
G-H	—	—	Not Used

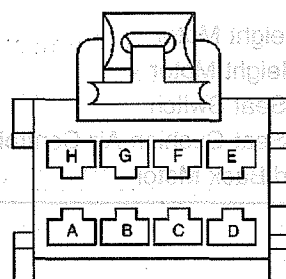
Lumbar Adjuster Switch, Passenger (Lateral)



62469

Connector Part Information		• 1206-4998 • 8-Way F Metri-pack 280 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	GRY	1805	Deflate Fused Feed Output
B-D	—	—	Not Used
E	WHT	1806	Inflate Fused Feed Output
F	ORN	1240	Fused Input Feed
G-H	—	—	Not Used

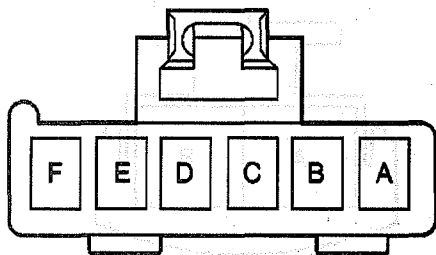
Lumbar Adjuster Switch, Passenger (Lumbar)



73155

Connector Part Information		• 1208-9287 • 8-Way F Metri-pack 280 Series (NAT)	
Pin	Wire Color	Circuit No.	Function
A	DK BLU	901	Deflate Fused Feed Output
B-D	—	—	Not Used
E	LT BLU	902	Inflate Fused Feed Output
F	ORN	1240	Fused Input Feed
G-H	—	—	Not Used

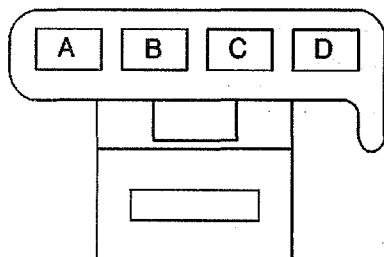
Power Seat Cushion Air Control Module Connector C1



362752

Connector Part Information		• 1209-2254 • 6-Way F Metri-pack 280 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	ORN	1240	Fused Input Feed
B	GRY	903	Driver Lumbar Deflate Fused Feed Input
C	DK BLU	901	Passenger Lumbar Deflate Fused Feed Input
D	PNK	904	Driver Lumbar Inflate Fused Feed Input
E	WHT	1806	Passenger Lateral Inflate Fused Feed Input
F	LT BLU	902	Passenger Lumbar Inflate Fused Feed Input

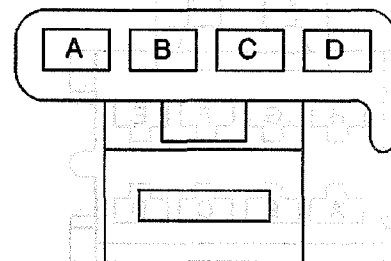
Power Seat Cushion Air Control Module Connector C2



62450

Connector Part Information		• 1205-2856 • 4-Way F Metri-pack 280 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	RED	906	Driver Lateral Inflate Fused Feed Input
B	GRY	1805	Passenger Lateral Deflate Fused Feed Input

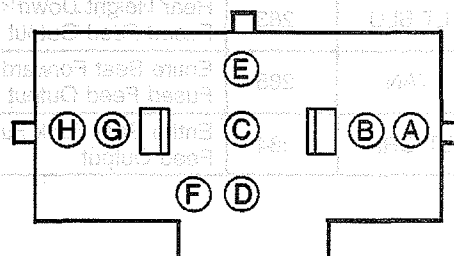
Power Seat Cushion Air Control Module Connector C2 (cont'd)



62450

Connector Part Information		• 1205-2856 • 4-Way F Metri-pack 280 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
C	PPL	905	Driver Lateral Deflate Fused Feed Input
D	BLK	950	Ground

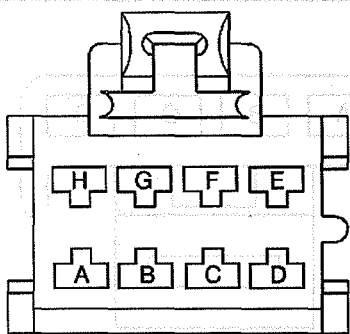
Power Seat Switch (AG1)



306262

Connector Part Information		• 1208-5013 • 8-Way F Pin Gri Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	YEL	282	Rear Height Up Fused Feed Output
B	LT BLU	283	Rear Height Down Fused Feed Output
C	BLK	1450	Ground
D	LT GRN	284	Entire Seat Back Fused Feed Output
E	TAN	285	Entire Seat Forward Fused Feed Output
F	ORN	1240	Fused Input Feed
G	DK GRN	286	Front Height Up Fused Feed Output
H	DK BLU	287	Front Height Down Fused Feed Output

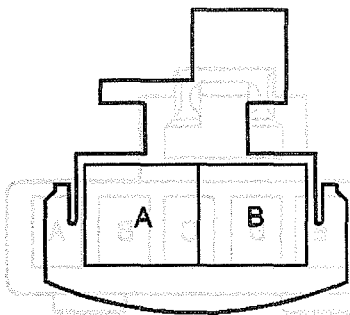
Power Seat Switch (AQ9)



62469

Connector Part Information		• 1206-4998 • 8-Way F Metri-pack 280 Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	ORN	1240	Fused Input Feed
B	DK GRN	286	Front Height Up Fused Feed Output
C	DK BLU	287	Front Height Down Fused Feed Output
D	BLK	950	Ground
E	YEL	282	Rear Height Up Fused Feed Output
F	LT BLU	283	Rear Height Down Fused Feed Output
G	TAN	285	Entire Seat Forward Fused Feed Output
H	LT GRN	284	Entire Seat Back Fused Feed Output

Rear Height Motor

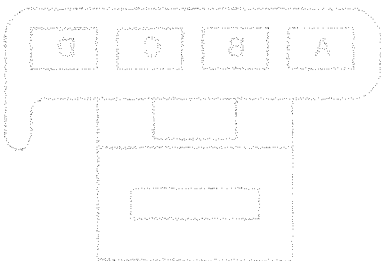


130709

Connector Part Information		• 1205-2109 • 2-Way F Metri-pack 480 Series (BLU)	
Pin	Wire Color	Circuit No.	Function
A	YEL	282	(AG1) Rear Height Up Fused Feed Input
A	LT BLU	283	(AQ9) Rear Height Down Fused Feed Input
B	LT BLU	283	(AG1) Rear Height Down Fused Feed Input
B	YEL	282	(AQ9) Rear Height Up Fused Feed Input

Passenger Lateral Inflator Fused Input	1808	GRN	B
Driver Lateral Inflator Fused Input	900	GRN	A

Power Seat Cushion Air Control Module Connector C2



Connector Part Information		• 1205-2855 • 4-Way F Metri-pack 280 Series (BLU)	
Pin	Wire Color	Circuit No.	Function
A	GRN	900	Driver Lateral Inflator Fused Input
B	GRN	1808	Passenger Lateral Inflator Fused Input

Connector Part Information		• 1208-8013 • 8-Way F Pin CH Series (BLK)	
Pin	Wire Color	Circuit No.	Function
A	YEL	282	Rear Height Up Fused Feed Output
B	LT BLU	283	Rear Height Down Fused Feed Output
C	BLK	950	Ground
D	LT GRN	284	Entire Seat Back Fused Feed Output
E	TAN	285	Entire Seat Forward Fused Feed Output
F	ORN	1240	Fused Input Feed
G	DK GRN	286	Front Height Up Fused Feed Output
H	DK BLU	287	Front Height Down Fused Feed Output

Diagnostic Information and Procedures

A Diagnostic Starting Point - Seats

Begin the system diagnosis by reviewing the system Description and Operation. Reviewing the Description and Operation information will help you determine the correct symptom diagnostic procedure when a malfunction exists. Reviewing the Description and Operation information will also help you determine if the condition described by the customer is normal operation. Refer to *Symptoms - Seats* in order to identify the correct procedure for diagnosing the system and where the procedure is located.

Symptoms - Seats

Important: Review the system description in order to familiarize yourself with the system functions. Refer to one of the following descriptions:

- *Front Seats Description*
- *Rear Seats Description*

Visual/Physical Inspection

- Inspect for aftermarket devices which could affect the operation of the Seats System. Refer to *Checking Aftermarket Accessories* in Wiring Systems.
- Inspect the easily accessible or visible system components for obvious damage or conditions which could cause the symptom.

Intermittent

Faulty electrical connections or wiring may be the cause of intermittent conditions. Refer to *Testing for Intermittent and Poor Connections* in Wiring Systems.

Symptom List

Refer to a symptom diagnostic procedure from the following list in order to diagnose the symptom:

- *Power Seat Adjuster Does Not Move Vertically*
- *Power Seat Inoperative*
- *Power Seat Inoperative in One Direction*
- *Lumbar Support Inoperative*
- *Lumbar Support Does Not Move In or Out (Lumbar or Bolster)*

Power Seat Adjuster Does Not Move Vertically

Step	Action	Value(s)	Yes	No
1	Did you review the system operation and perform the necessary inspections?	—	Go to Step 2	Go to <i>Symptoms - Seats</i>
2	Attempt to adjust the seat in the vertical direction. Does the seat adjust normally in the vertical direction?	—	Go to <i>Testing for Intermittent and Poor Connections</i> in Wiring Systems	Go to Step 3
3	Inspect for and repair a poor connection at the power seat switch. Refer to <i>Testing for Intermittent and Poor Connections</i> and <i>Connector Repairs</i> in Wiring Systems. Did you find and repair a poor connection?	—	Go to Step 5	Go to Step 4
4	Replace the power seat switch. Refer to <i>Seat Adjuster Mechanism Replacement - Power</i> . Did you complete the replacement?	—	Go to Step 5	—
5	Operate the system in order to verify the repair. Did you correct the condition?	—	System OK	Go to Step 3

Power Seat Inoperative

Step	Action	Value(s)	Yes	No
1	Did you review the system operation and perform the necessary inspections?	—	Go to <i>Step 2</i>	Go to <i>Symptoms - Seats</i>
2	Attempt to operate the power seat in all directions. Does the seat adjust normally in all directions?	—	Go to <i>Testing for Intermittent and Poor Connections in Wiring Systems</i>	Go to <i>Step 3</i>
3	Connect a test lamp between the power seat switch terminal F (AG1) or A (AQ9) and ground. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to <i>Step 4</i>	Go to <i>Step 5</i>
4	Connect a test lamp between the power seat switch terminals F and C (AG1) or A and D (AQ9). Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to <i>Step 6</i>	Go to <i>Step 8</i>
5	Repair a poor connection or an open in the battery voltage circuit of the power seat switch. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to <i>Step 9</i>	—
6	Inspect for and repair a poor connection at the power seat switch. Refer to <i>Testing for Intermittent and Poor Connections</i> and <i>Connector Repairs</i> in Wiring Systems. Did you find and repair a poor connection?	—	Go to <i>Step 9</i>	Go to <i>Step 7</i>
7	Replace the power seat switch. Refer to <i>Seat Adjuster Mechanism Replacement - Power</i> . Did you complete the replacement?	—	Go to <i>Step 9</i>	—
8	Repair a poor connection or an open in the ground circuit of the power seat switch. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to <i>Step 9</i>	—
9	Operate the system in order to verify the repair. Did you correct the condition?	—	System OK	Go to <i>Step 3</i>

Power Seat Inoperative in One Direction

Step	Action	Value(s)	Yes	No
1	Did you review the system operation and perform the necessary inspections?	—	Go to Step 2	Go to Symptoms - Seats
2	Attempt to operate the power seat in all directions. Does the seat adjust normally in all directions?	—	Go to Testing for Intermittent and Poor Connections in Wiring Systems	Go to Step 3
3	1. Connect a DMM between the inoperative motor connector terminals A and B. Refer to <i>Circuit Testing</i> in Wiring Systems. 2. Press and hold the driver seat adjuster switch to the FORWARD and then the BACK position or the UP and then the DOWN position. Is voltage present in both cases?	9–14 V	Go to Step 4	Go to Step 6
4	Inspect for and repair a poor connection at the inoperative motor. Refer to <i>Testing for Intermittent and Poor Connections</i> and <i>Connector Repairs</i> in Wiring Systems. Did you find and repair a poor connection?	—	Go to Step 11	Go to Step 5
5	Replace the inoperative motor. Did you complete the replacement?	—	Go to Step 11	—
6	1. Disconnect the power seat switch. 2. Inspect for and repair a short to ground in the motor control circuits. Refer to <i>Circuit Testing</i> and <i>Wiring Repairs</i> in Wiring Systems. Did you find and repair a short to ground?	—	Go to Step 11	Go to Step 7
7	Using a DMM, inspect for continuity in the motor control circuit. Refer to <i>Circuit Testing</i> in Wiring Systems. Is there continuity in both circuits?	—	Go to Step 8	Go to Step 10
8	Inspect for and repair a poor connection at the power seat switch. Refer to <i>Testing for Intermittent and Poor Connections</i> in Wiring Systems. Did you find and repair a poor connection?	—	Go to Step 11	Go to Step 9
9	Replace the power seat switch. Refer to <i>Seat Adjuster Mechanism Replacement - Power</i> . Did you complete the replacement?	—	Go to Step 11	—
10	Repair a poor connection or an open in the motor control circuit. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 11	—
11	Operate the system in order to verify the repair. Did you correct the condition?	—	System OK	Go to Step 3

Lumbar Support Inoperative

Step	Action	Value(s)	Yes	No
1	Did you review the system operation and perform the necessary inspections?	—	Go to Step 2	Go to Symptoms - Seats
2	Attempt to operate the lumbar support in both seats. Does the lumbar support operate normally?	—	Go to Testing for Intermittent and Poor Connections in Wiring Systems	Go to Step 3
3	Connect a test lamp between the power seat cushion air control module connector C1 terminal A and ground. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 4	Go to Step 5
4	Connect a test lamp between connector C1 terminal A and connector C2 terminal D at the power seat cushion air control module connector. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 6	Go to Step 8
5	Repair a poor connection or an open in the battery voltage circuit of the power seat cushion air control module. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 9	—
6	Inspect for and repair a poor connection at the power seat cushion air control module. Refer to <i>Testing for Intermittent and Poor Connections</i> and <i>Connector Repairs</i> in Wiring Systems. Did you find and repair a poor connection?	—	Go to Step 9	Go to Step 7
7	Replace the power seat cushion air control module. Did you complete the replacement?	—	Go to Step 9	—
8	Repair a poor connection or an open in the ground circuit of the power seat cushion air control module. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 9	—
9	Operate the system in order to verify the repair. Did you correct the condition?	—	System OK	Go to Step 3

Lumbar Support Does Not Move In or Out (Lumbar or Bolster)

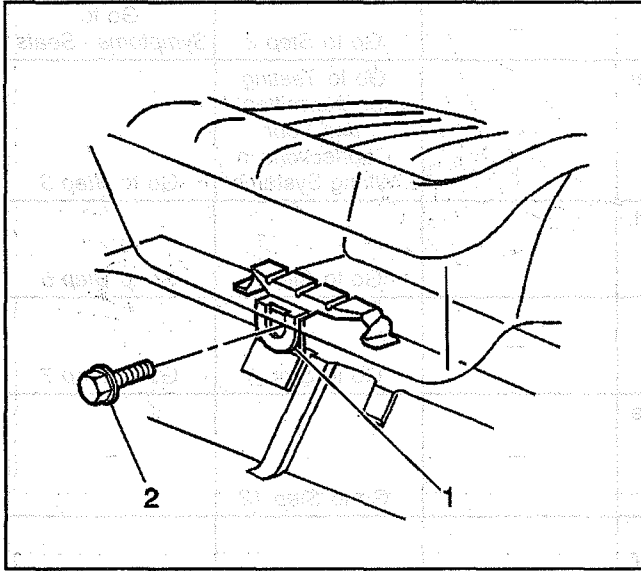
Step	Action	Value(s)	Yes	No
1	Did you review the system operation and perform the necessary inspections?	—	Go to Step 2	Go to Symptoms - Seats
2	Attempt to operate both the lumbar support and the bolster support. Do both the lumbar support and the bolster support operate normally?	—	Go to Testing for Intermittent and Poor Connections in Wiring Systems	Go to Step 3
3	Connect a test lamp between C310 terminal A and ground. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 4	Go to Step 5
4	Connect a test lamp between terminals A and B of C310. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 6	Go to Step 7
5	Repair a poor connection or an open in the battery voltage circuit of the lumbar adjuster switch. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 12	—
6	Connect a test lamp between the power seat cushion air control module connector C1 terminal A and ground. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 8	Go to Step 9
7	Repair a poor connection or an open in the ground circuit of the power seat cushion air control module and the power seat switch. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 12	—
8	1. Disconnect the power seat cushion air control module connectors C1 and C2. 2. Connect a test lamp between connector C1 terminal A and connector C2 terminal D at the power seat cushion air control module connector. Refer to <i>Circuit Testing</i> in Wiring Systems. Does the test lamp illuminate?	—	Go to Step 10	Go to Step 11
9	Repair a poor connection or an open in the battery voltage circuit of the power seat cushion air control module. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 12	—
10	Replace the power seat cushion air control module. Did you complete the replacement?	—	Go to Step 12	—
11	Repair a poor connection or an open in the ground circuit of the power seat cushion air control module. Refer to <i>Wiring Repairs</i> or <i>Connector Repairs</i> in Wiring Systems. Did you complete the repair?	—	Go to Step 12	—
12	Operate the system in order to verify the repair. Did you correct the condition?	—	System OK	Go to Step 3

Repair Instructions

Seat Replacement - Bucket (Seat Cushion Bottom)

Removal Procedure

1. Place the front seats to the full-forward position.
2. Remove bolt/screw (2) from the base of the bucket seat cushion(s) (2).

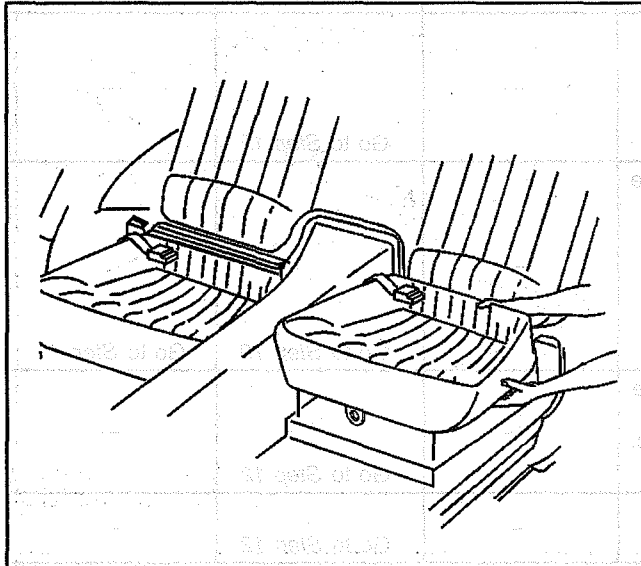


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3. Remove seat cushion by pulling upwards and forwards.

Important: Failure to use a protective barrier over nearby trim and paint may cause damage to the vehicle.

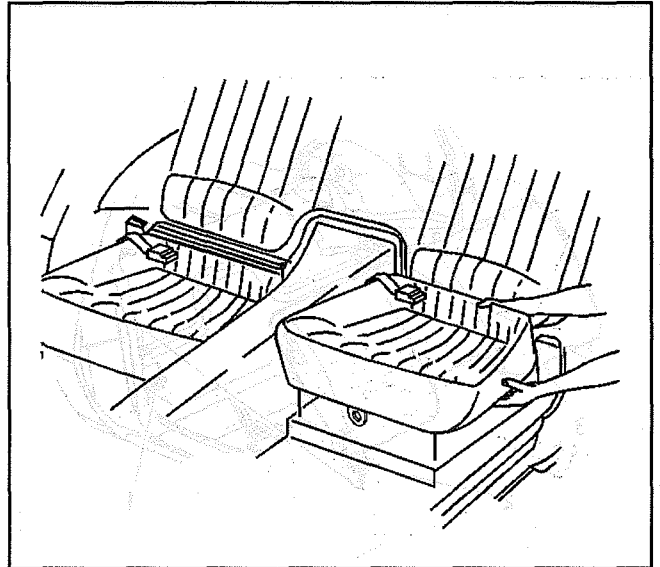
4. Remove seat cushion from the vehicle.



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Installation Procedure

1. Install the seat cushions into the vehicle by inserting rear edge of seat into cavity and pushing in and down.



407766

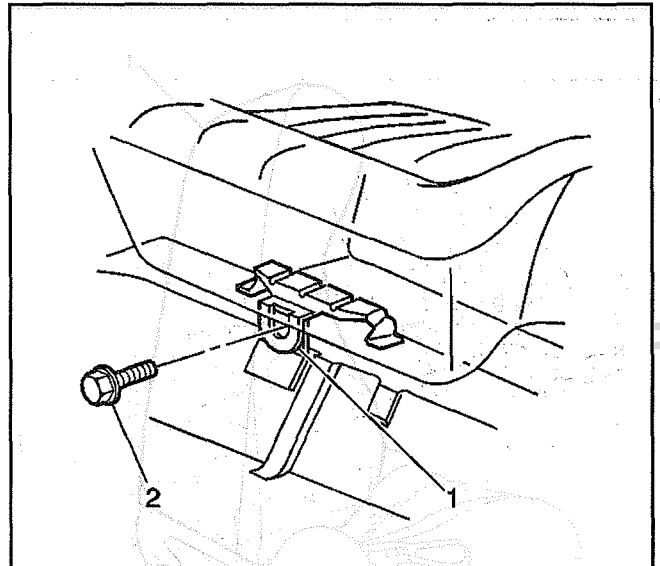
Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the seat cushion bolt/screw (2).

Tighten

Tighten the bolts to 25 N·m (18 lb ft).

3. Return the front seats to their previous position.

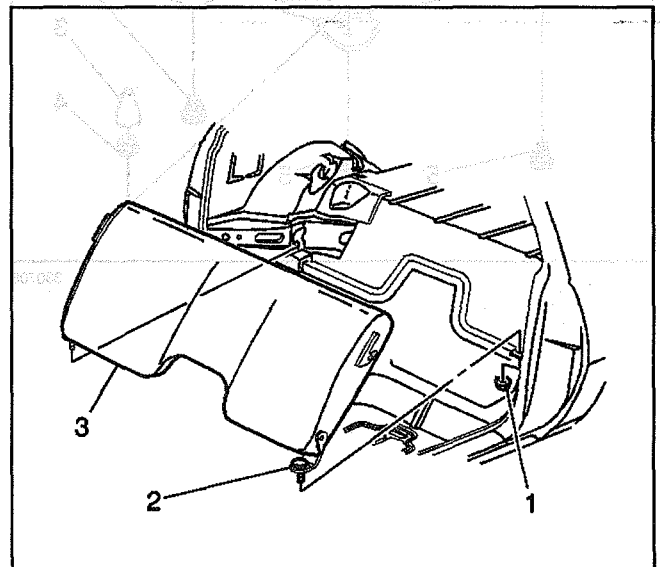


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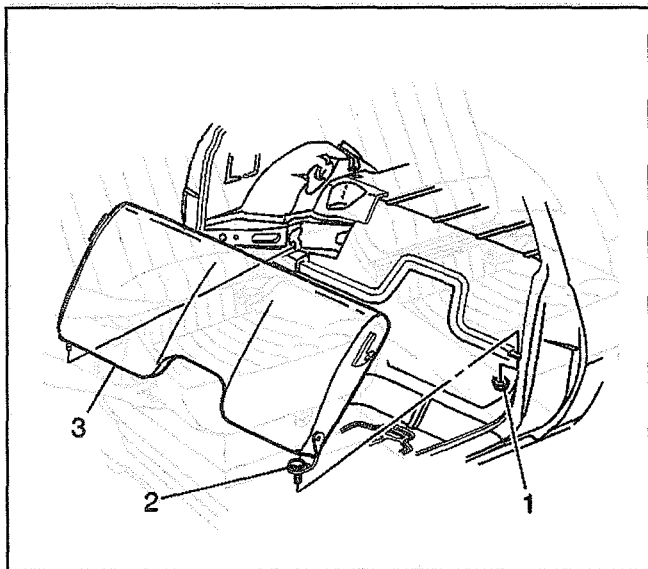
Seat Replacement - Bucket (Seatback Cushion)

Removal Procedure

1. Remove rear seat bottom cushions. Refer to *Seat Replacement - Bucket (Seat Cushion Bottom)*.
2. Remove shoulder restraint guide bolt/screw and restraint if replacing seatback.
3. Unlatch seatback latch from striker.
4. Remove nuts (1) from rear seatback cushion studs.
5. Remove seat studs from outer pivot supports by lifting upward on outboard side of cushion (3).
6. Place protective shield over nearby trim and paint.
7. Remove cushion from vehicle by removing through rear liftgate using care not to damage cushion.



407721

**Installation Procedure**

1. Place protective shield over nearby trim and paint.
2. Install cushion into vehicle.
3. Remove protective shield.
4. Install seat studs into outer pivot supports.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

5. Install nuts (1) to rear seat studs loosely.

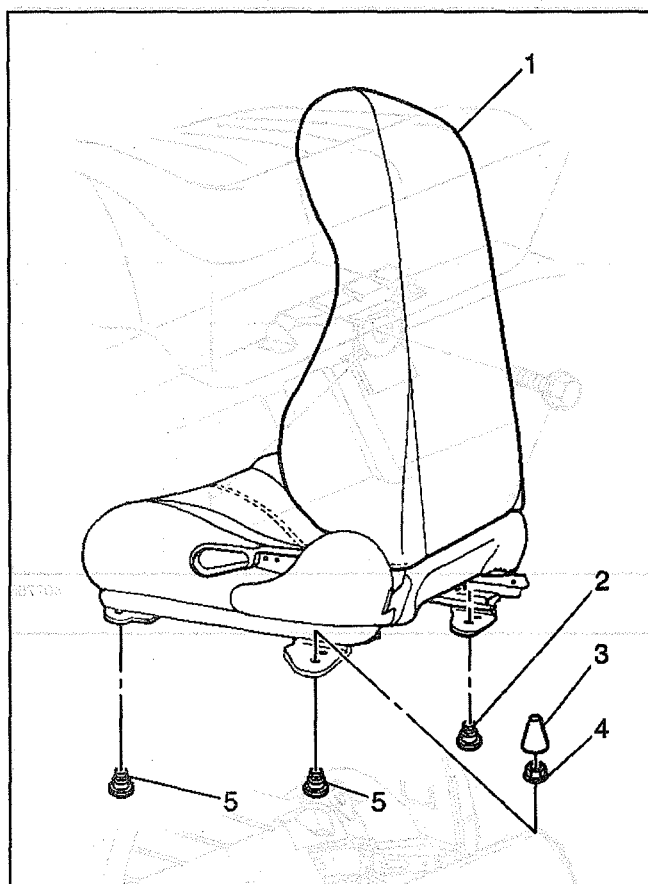
Tighten

Tighten the nuts (1) to 24 N·m (18 lb ft).

6. Install shoulder restraint guide and screw hand tight.
7. Install rear seat bottom cushions. Refer to *Seat Replacement - Bucket (Seat Cushion Bottom)*.

Seat Replacement - Front Bucket (Chevrolet)**Removal Procedure**

1. Remove the caps (3) that cover the nuts (4).
2. Remove the caps (3) that cover the studs (5).
3. Remove the nuts (4) from the studs (5).
4. Remove the body wiring harness electrical connector, as needed.
5. Place a protective shield over the nearby trim and paint.
6. Remove the seat (1) from the floor pan.
7. Remove the seat (1) from the vehicle.



330706

Installation Procedure

1. Install the seat (1) to the vehicle.
2. Install the seat (1) over the studs (5) to the floor pan.
3. Remove the protective shield.

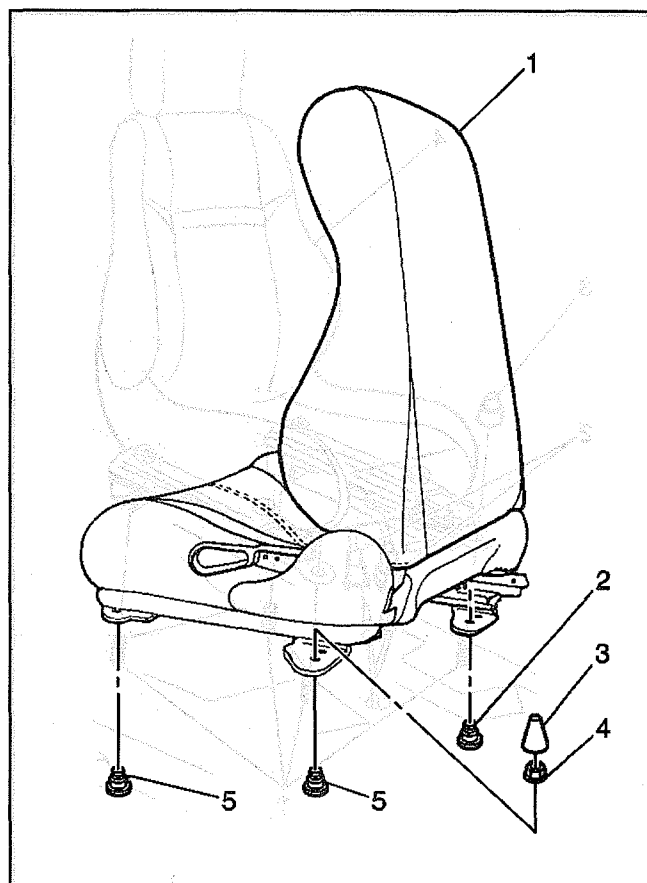
Notice: Refer to *Fastener Notice* in Cautions and Notices.

4. Install the nuts (4) to the studs (5).

Tighten

Tighten the nuts (4) to 24 N·m (18 lb ft).

5. Install the body wiring harness electrical connector, if previously disconnected.
6. Install the caps (3) that cover the nuts (4).
7. Install the caps (3) that cover the studs (5).

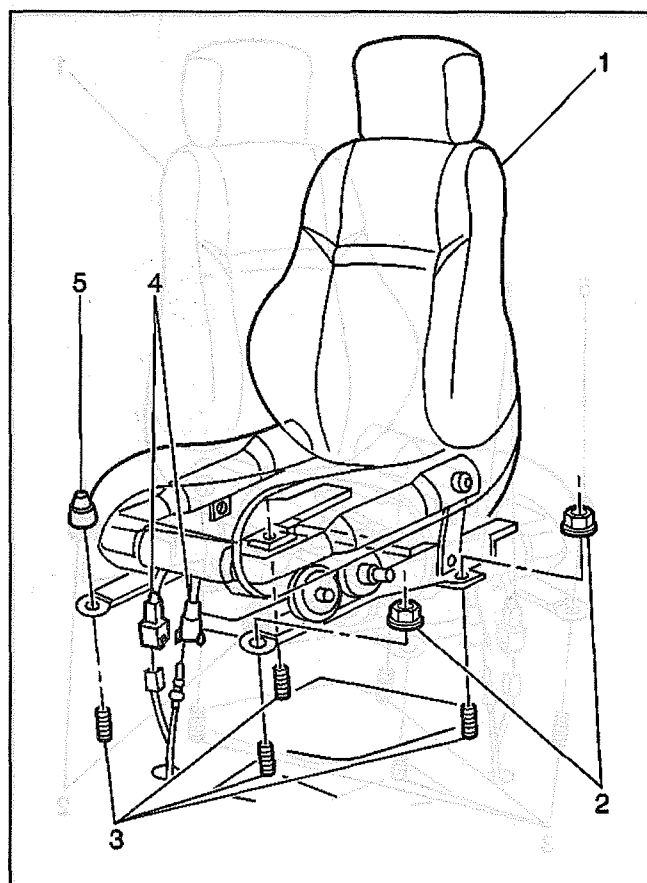


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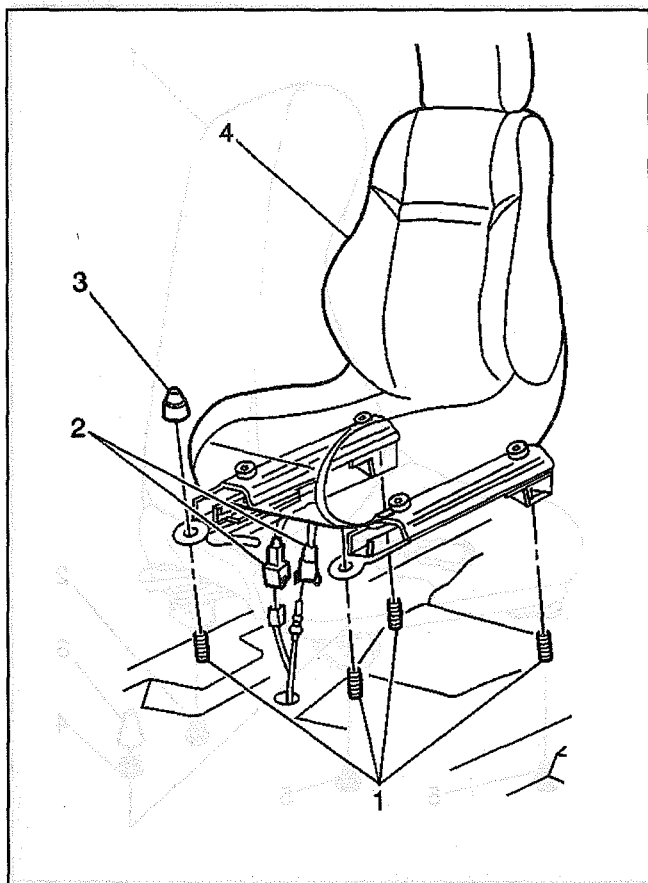
Seat Replacement - Front Bucket (Pontiac)**Removal Procedure**

1. Remove the caps (5) that cover the nuts (2).
2. Remove the caps (5) that cover the studs (3).
3. Remove the nuts (2) from the studs (3).
4. Remove the body wiring harness electrical connector (4), if needed.
5. Remove the seat air supply hose, if needed.
6. Place a protective shield over the nearby trim and paint.
7. Remove the driver seat (1) from the floor pan.
8. Remove the driver seat (1) from the vehicle.

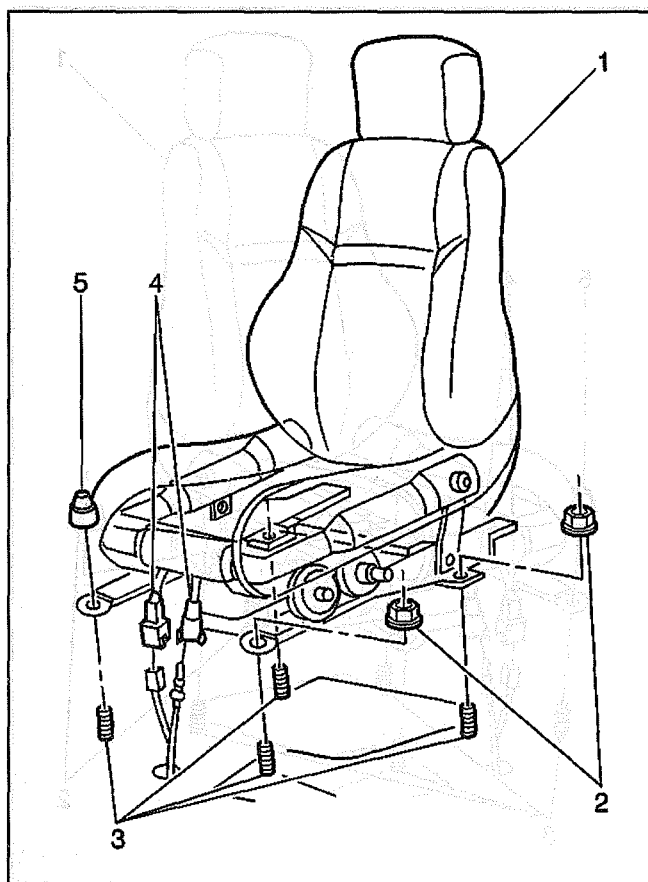


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9. Remove the passenger seat (4) from the floor pan.
10. Remove the passenger seat (4) from the vehicle.



Installation Procedure

1. Install the driver seat (1) to the vehicle.
2. Install the seat over the studs (3) to the floor pan.
3. Remove the protective shield.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

4. Install the nuts (2) to the studs (3).

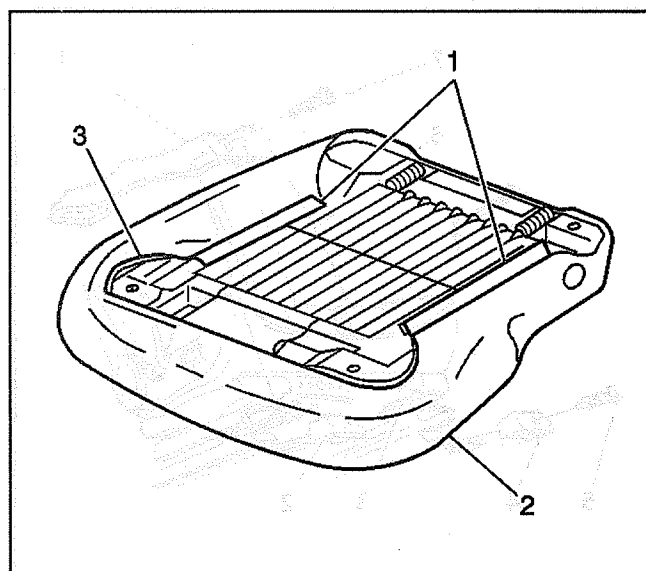
Tighten

Tighten the nuts (2) to 24 N·m (18 lb ft).

5. Install the body wiring harness electrical connector (4), if previously disconnected.
6. Install the seat air supply hose if previously removed.
7. Install the caps (5) that cover the nuts (2).
8. Install the caps (5) that cover the studs (3).

Seat Cushion Cover Replacement - Front**Removal Procedure**

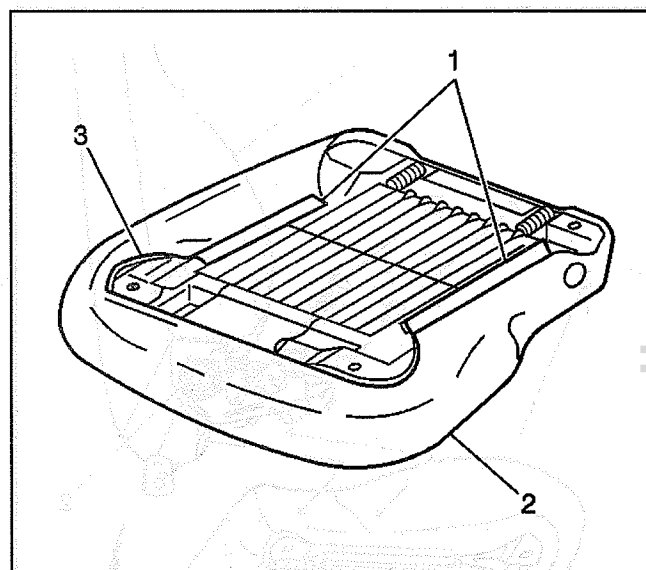
1. Remove the front seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.
2. Remove the J-retainers (1) from the seat cushion (2) frame.
3. Remove the cover (3).



330727

Installation Procedure

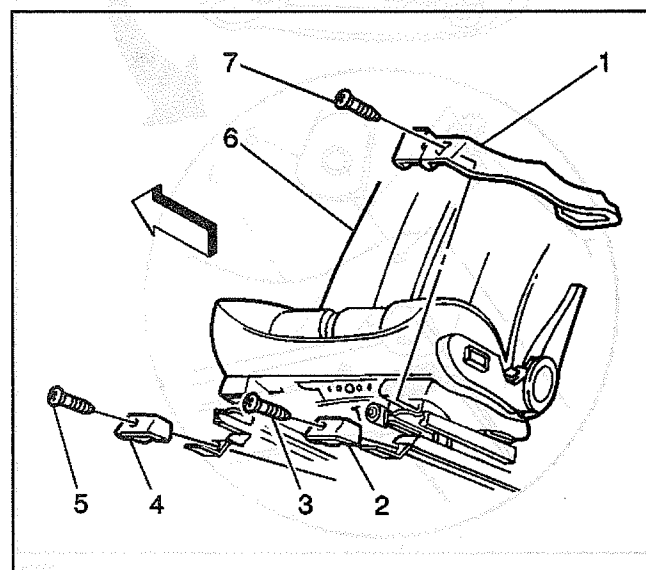
1. Install the cover (3) over the seat cushion (2) frame.
Cap the front and rear corners of the cover over the cushion (2) and regulate to a desired appearance.
2. Install the J-retainers (1) to the seat cushion (2) frame.
3. Install the front seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.



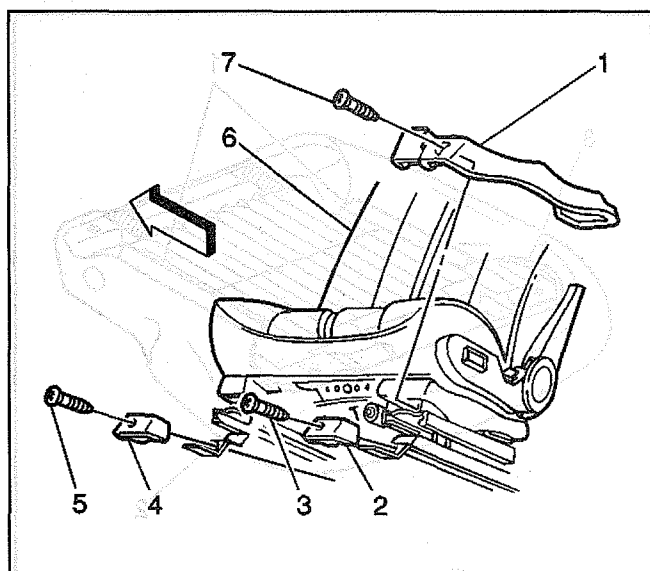
330727

Seat Cushion Trim Cover and Pad Replacement**Removal Procedure**

1. Remove the bolts (3,5) that attach the covers (2,4) to the driver seat adjuster track.
2. Remove the covers (2,4) from the driver seat adjuster track.



330712



330712

Installation Procedure

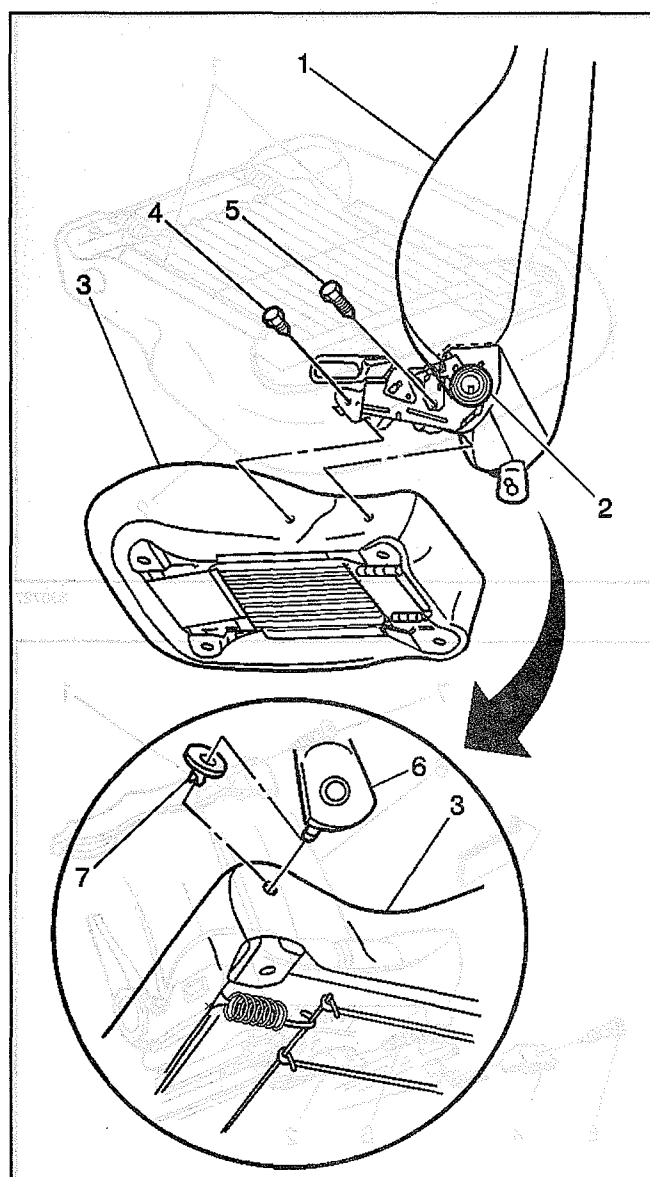
1. Install the covers (2,4) to the driver seat adjuster track.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolts (3,5) to the covers (2,4).

Tighten

Tighten the bolts (3,5) to 1.7 N·m (15 lb in).



330708

Seat Back Replacement - Front**Removal Procedure**

1. Remove the front seat (1). Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.
2. Remove the hinge arm trim covers. Refer to *Seat Cushion Trim Cover and Pad Replacement*.
3. Remove the bolts (4,5) attaching the hinge arms to the seat cushion (3).
4. Unsnap the seatback (1) from the seatback pivot bushing (7) in order to remove the seatback (1) from the seat cushion (3).

Installation Procedure

1. Install the front seatback pivot bushing (7).
2. Install the seatback (1) to the seat cushion (3).
Align the pivot shaft on the seatback (1) with the hole in the seat cushion (3).

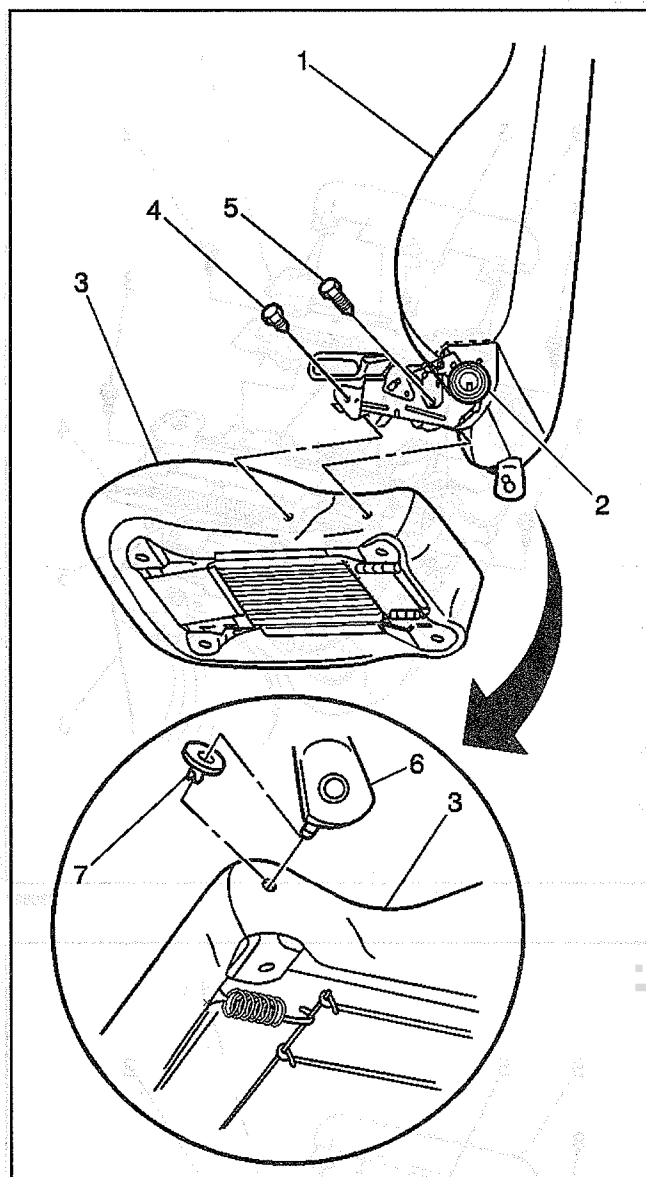
Notice: Refer to *Fastener Notice* in Cautions and Notices.

3. Install the bolts (4,5).

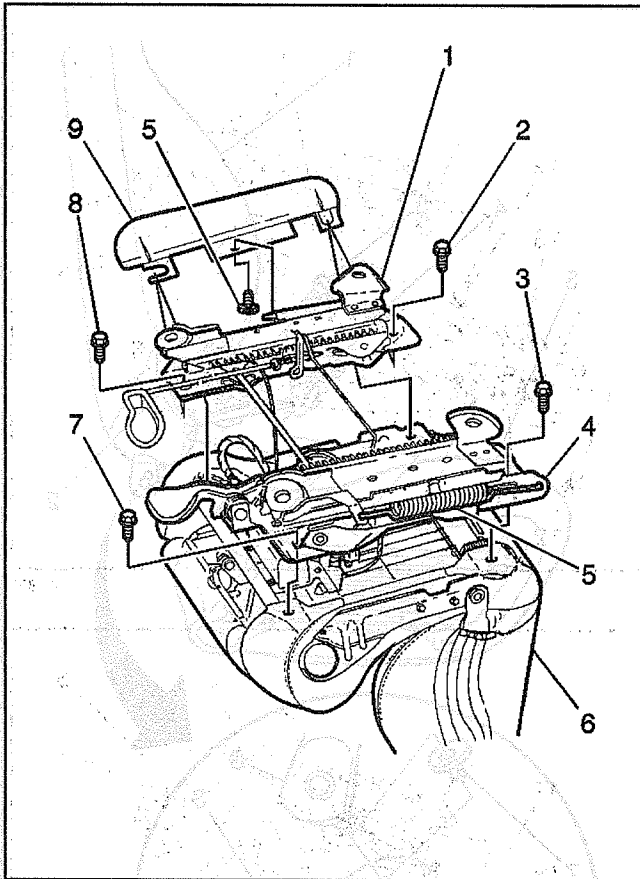
Tighten

Tighten the bolts (4,5) to 24 N·m (18 lb ft).

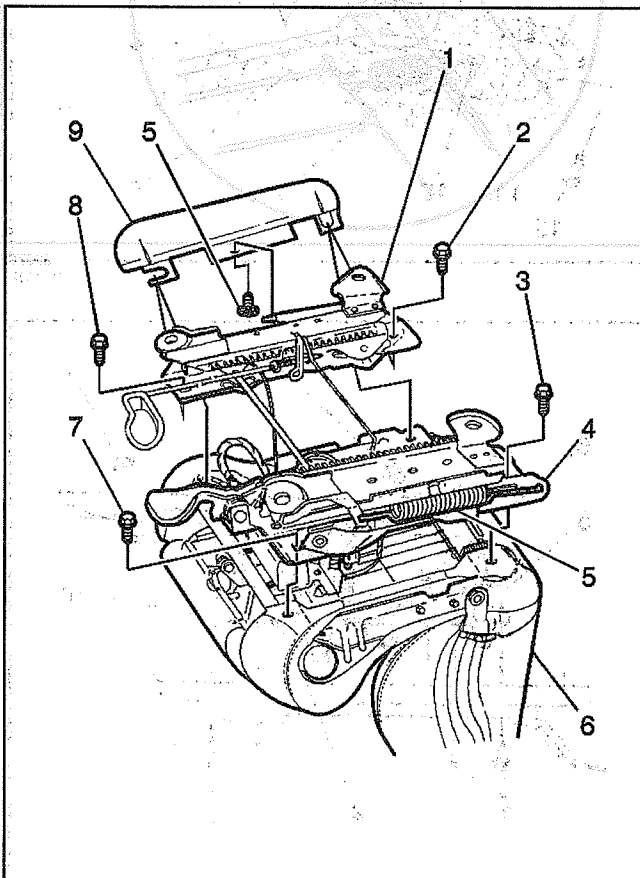
4. Install the hinge arm trim covers. Refer to *Seat Cushion Trim Cover and Pad Replacement*.
5. Install the front seat (1). Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.



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Seat Back Hinge/Recliner Mechanism Replace - Front

Removal Procedure

1. Remove the front seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.
2. Remove the bolts (2,8) that attach the adjuster (1) to the front seat.
3. Remove the adjuster (1).
4. Remove the bolts (3,7) that attach the adjuster (4) to the front seat.
5. Remove the adjuster (4).

Installation Procedure

1. Install the adjuster (4) to the front seat.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolts (3,7).

Tighten

Tighten the bolts (3,7) to 24 N·m (18 lb ft).

3. Install the adjuster (1) to the front seat.
4. Install the bolts (2,8).

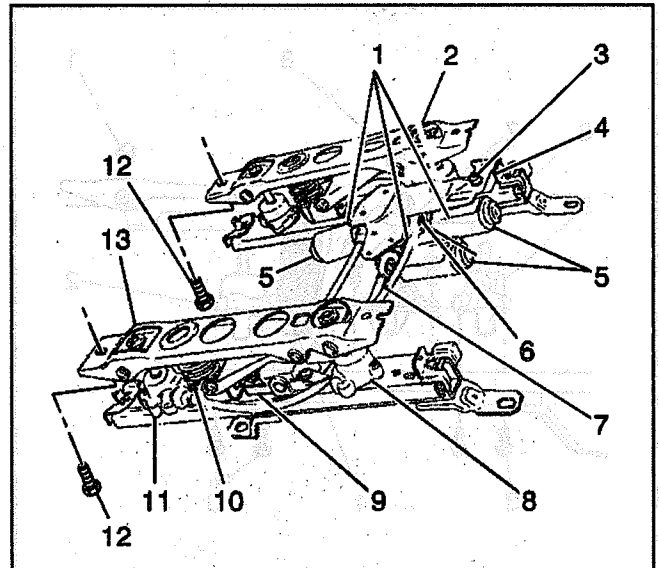
Tighten

Tighten the bolts (2,8) to 24 N·m (18 lb ft).

5. Install the front seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.

Power Recliner Replacement - Front Seat**Removal Procedure**

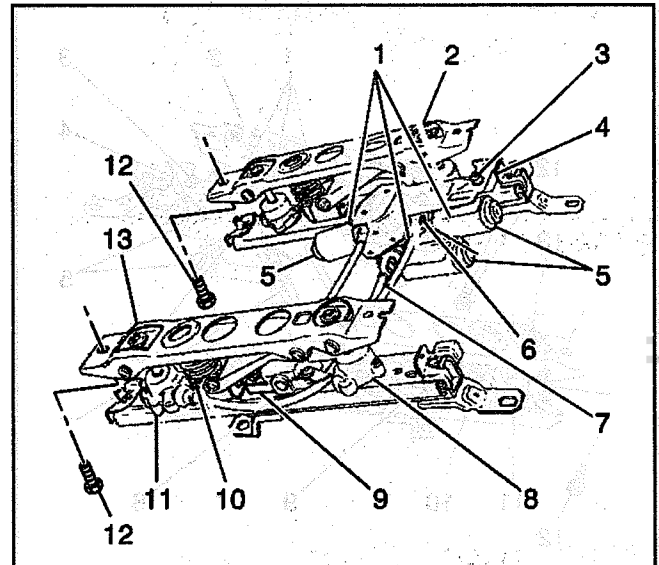
1. Remove the front seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.
2. Remove the drive cables (7).
3. Remove the nut (3) that secures the driver seat adjuster motor support (4) with the driver seat adjuster motor (5) attached.
4. Remove the driver seat adjuster motor support (4) with the driver seat adjuster motor (5) attached.
5. Remove the bolts (12).
6. Remove the adjuster (13).
7. Remove the adjuster cover bolts, as needed.
8. Remove the adjuster covers, as needed.



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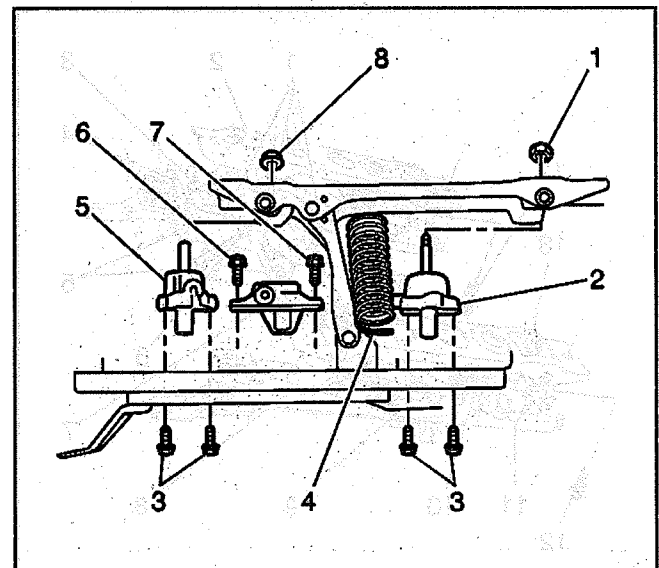
Disassembly Procedure

1. Place the adjuster (13) in a bench vise.
2. Remove the rear adjuster (2) nut.
3. Open the vise slowly in order to relieve the assist spring compression.
4. Remove the adjuster (13) from the vise.
5. Disassemble the vertical assist spring (10).

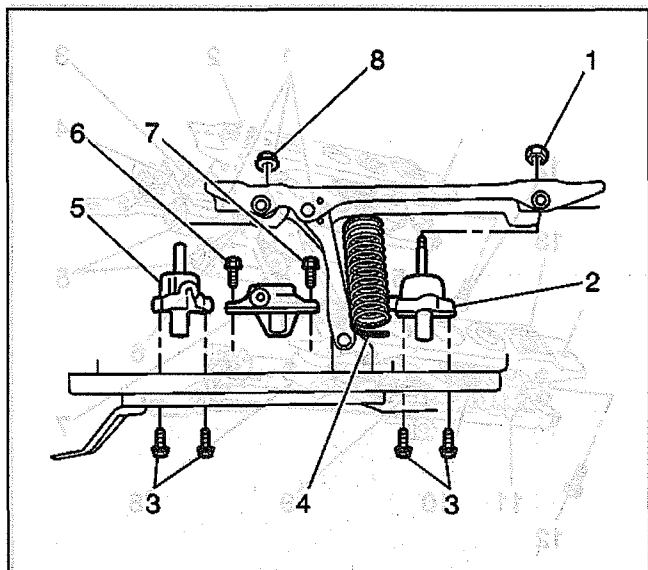


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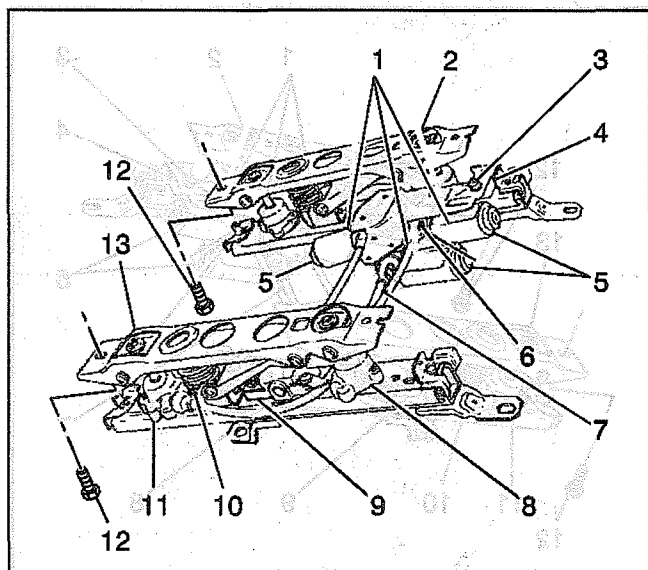
6. Remove the front adjuster nut (8).
7. Remove the bolts (6) from the adjuster horizontal actuator (7).
8. Disassemble the adjuster horizontal actuator (7).
9. Remove the adjuster bolts (3).
10. Disassemble the rear vertical actuator (2).
11. Disassemble the front vertical actuator (5).



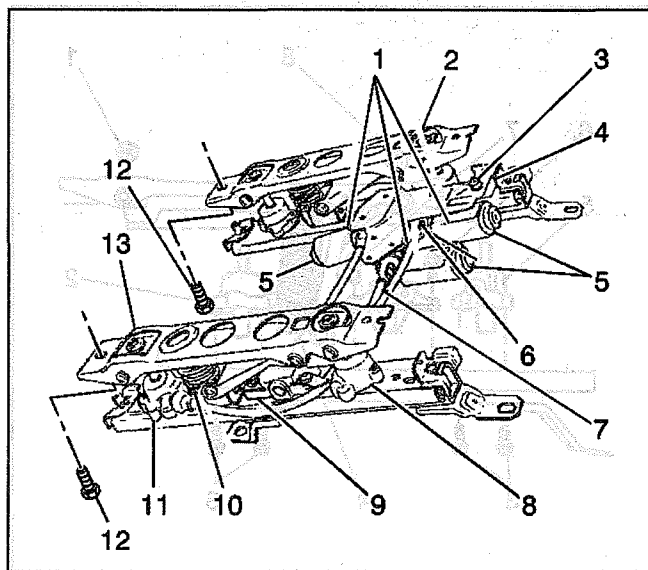
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Assembly Procedure

1. Assemble the front vertical actuator (5).
2. Assemble the rear vertical actuator (2).

Notice: Refer to *Fastener Notice* in Cautions and Notices.

3. Install the adjuster bolts (3).

Tighten

Tighten the bolts to 24 N·m (18 lb in).

4. Assemble the adjuster horizontal actuator (7).
5. Install the bolts (6) to the adjuster horizontal actuator (7).

6. Install the front adjuster nut (8).

Tighten

Tighten the adjuster nut to 50 N·m (37 lb in).

7. Assemble the vertical assist spring (4).

8. Place the adjuster (13) into a bench vise.
9. Carefully compress the vertical assist spring (10).
10. Install the rear adjuster nut (2).
11. Remove the adjuster from the bench vise.

Installation Procedure

1. Install the adjuster covers, if previously removed.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the adjuster cover bolts, if previously removed.

Tighten

Tighten the adjuster cover bolts to 1.7 N·m (15 lb in).

3. Install the adjuster (13).
4. Install the bolts (12).

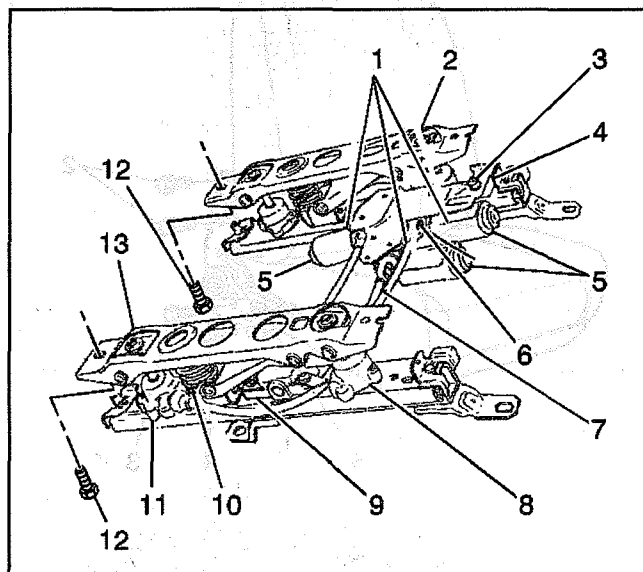
Tighten

Tighten the bolts to 24 N·m (18 lb ft).

5. Install the driver seat adjuster motor support (4) with the driver seat adjuster motor (5) attached.
6. Install the nut (3) that secures the driver seat adjuster motor (4) support.
7. Install the drive cables (7).
8. Install the front seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.

Motor Removal Procedure

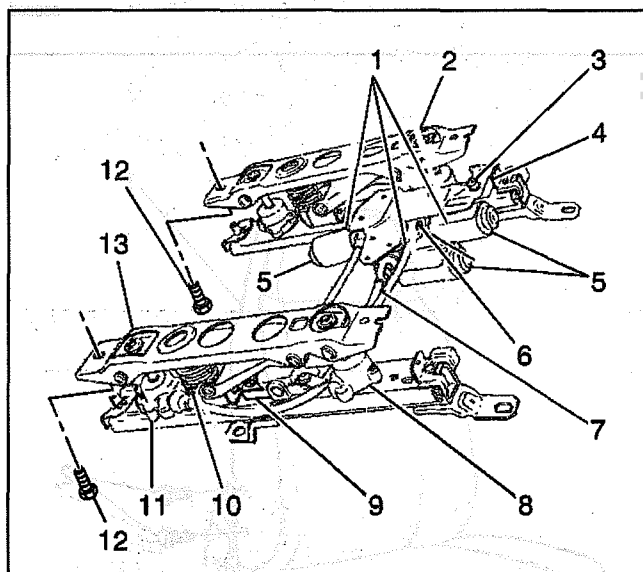
1. Remove the front seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.
 2. Remove the drive cables (7).
 3. Remove the nuts (3).
 4. Remove the driver seat adjuster motor support (4) with the driver seat adjuster motor (5) attached.
 5. Disconnect the electrical connectors from the driver seat adjuster motor (5).
 6. Remove the driver seat adjuster motor (5) from the driver seat adjuster motor support (4).
- Grind off the ends of the grommet in order to separate the driver seat adjuster motor (5) from the driver seat adjuster motor support (4).



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Motor Installation Procedure

1. Install the driver seat adjuster motor (5) to the driver seat adjuster motor support (4).
 - 1.1. Use a 3/16 inch drill bit in order to drill out the top end of the grommet.
 - 1.2. Secure the driver seat adjuster motor (5) to the driver seat adjuster motor support (4) with 3/16 inch rivets.
2. Connect the electrical connectors to the driver seat adjuster motor (5).
3. Install the driver seat adjuster motor support (4) with the driver seat adjuster motor (5) attached.
4. Install the nut (3).
5. Install the drive cables (7).
6. Install the front seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.

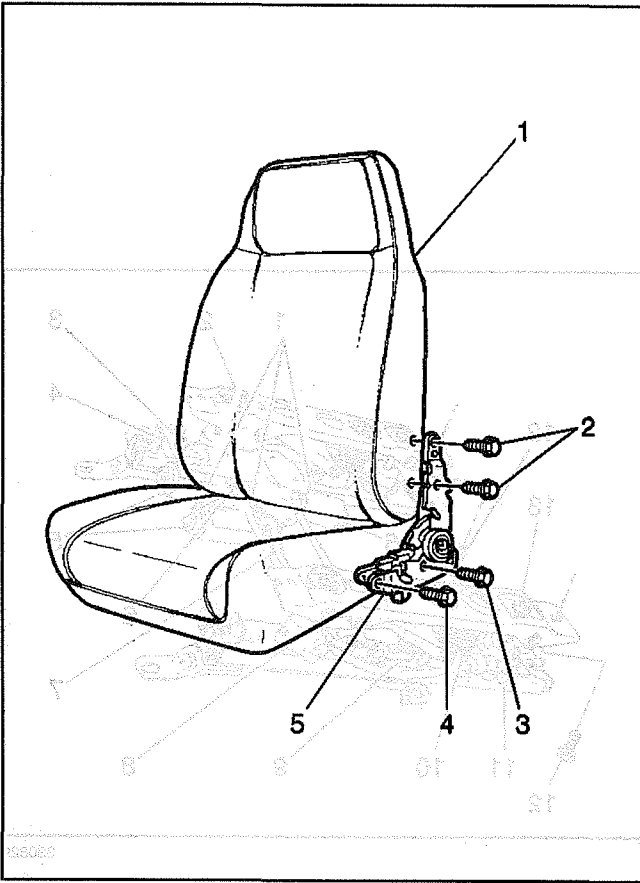


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Seat Back Recliner Mechanism Replacement - Front

Removal Procedure

1. Remove the seat cushion trim. Refer to *Seat Cushion Trim Cover and Pad Replacement*.
2. Pull the seatback cover sufficiently forward in order to access the bolts (2).
3. Remove the bolts (2) that attach the recliner to the front seat.
4. Remove the front seatback. Refer to *Seat Back Replacement - Front*.
5. Remove the recliner (5).



330805

Installation Procedure

1. Install the recliner (5) to the front seat.

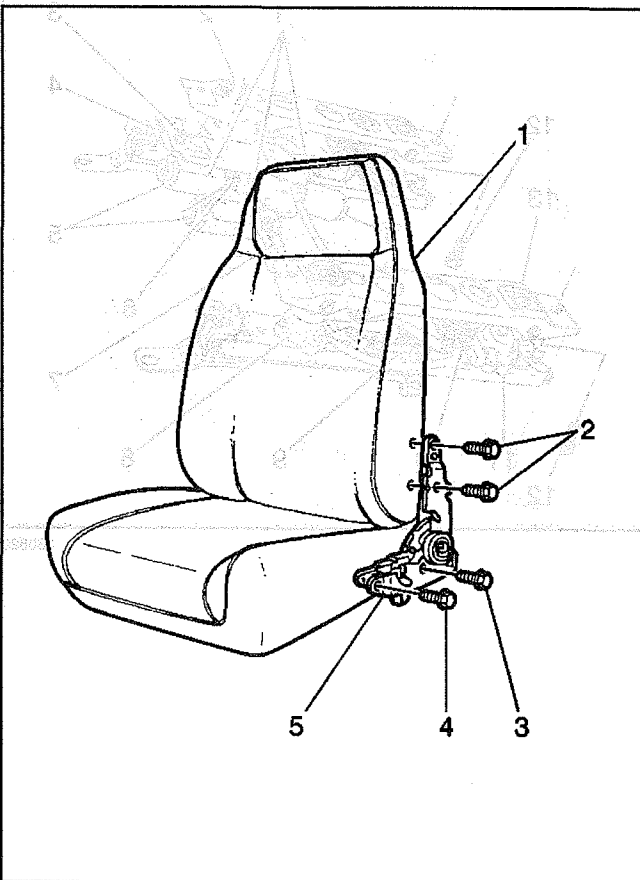
Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolts (2) that attach the recliner (5) to the front seat.

Tighten

Tighten the bolts (2) to 24 N·m (18 lb ft).

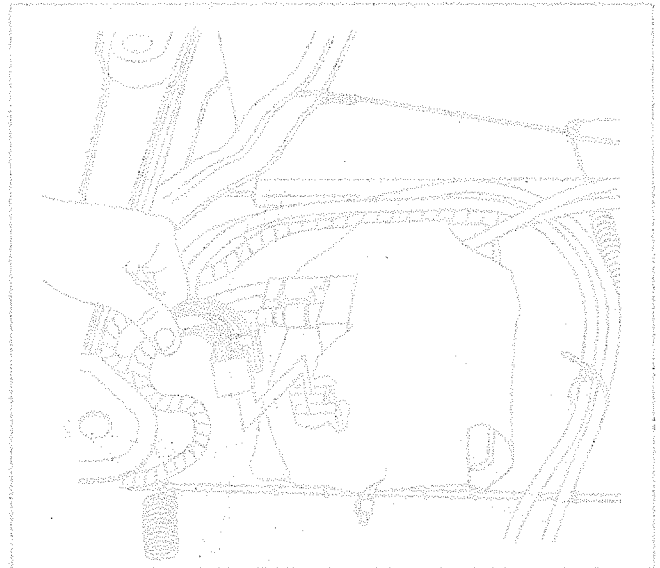
3. Install the front seatback. Refer to *Seat Back Replacement - Front*.
4. Install the seatback cover to the original position.
5. Install the seat cushion trim. Refer to *Seat Cushion Trim Cover and Pad Replacement*.



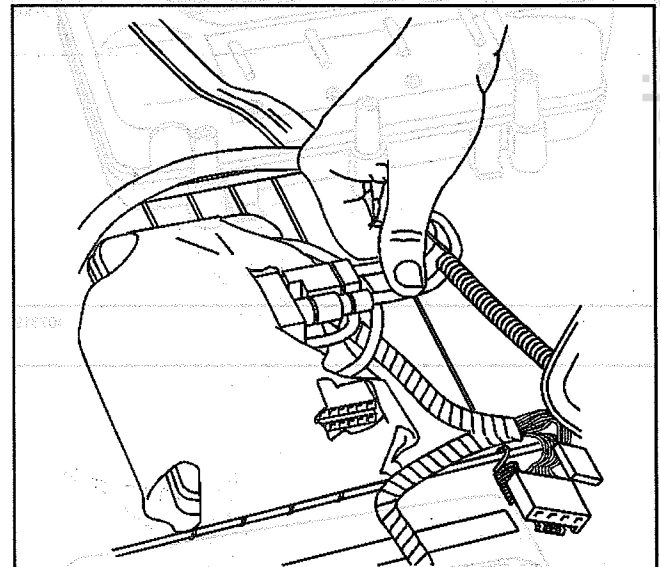
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Recliner Control Check

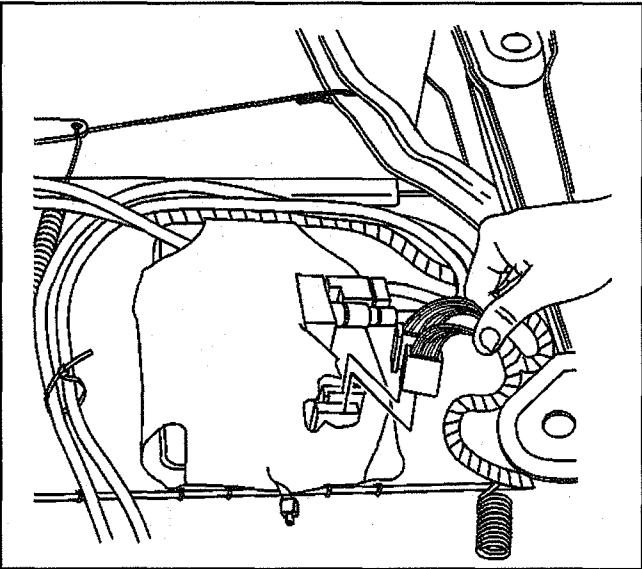
1. Lift the recliner control handle.
2. Press the seatback rearward into a fully reclined position (21 degrees from the intermediate position).
3. Inspect the ease of the recliner control handle operation and the seatback movement.
4. Release the recliner control handle.
Ensure that the handle returns to its original position and that the seatback remains fully reclined.
5. Lift the recliner control handle.
6. Pull the seatback forward to an intermediate reclined position.
7. Release the recliner control handle.
8. Press the seatback rearward in order to ensure that the seatback is locked and stays in position.
9. Lift the recliner control handle and move the seatback to the normal position.
Verify the ease of the recliner control handle operation and the seatback return.
10. Release the recliner control handle.
11. Press the seatback rearward in order to ensure that the seatback is locked and stays in position.
12. If the recliner control does not operate correctly, remove and replace the recliner control.

**Lumbar Motor Replacement****Removal Procedure**

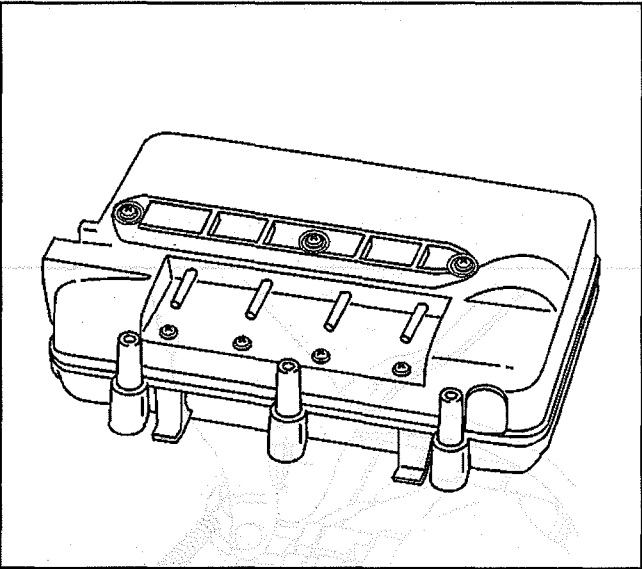
1. Remove the front passenger seat. Refer to *Shift Cable Adjustment* for Pontiac or *Seat Replacement - Front Bucket (Chevrolet)* for Chevrolet.
2. Remove the adjuster. Refer to *Power Recliner Replacement - Front Seat* in seats.
3. Disconnect the air supply hoses from the lumbar module.



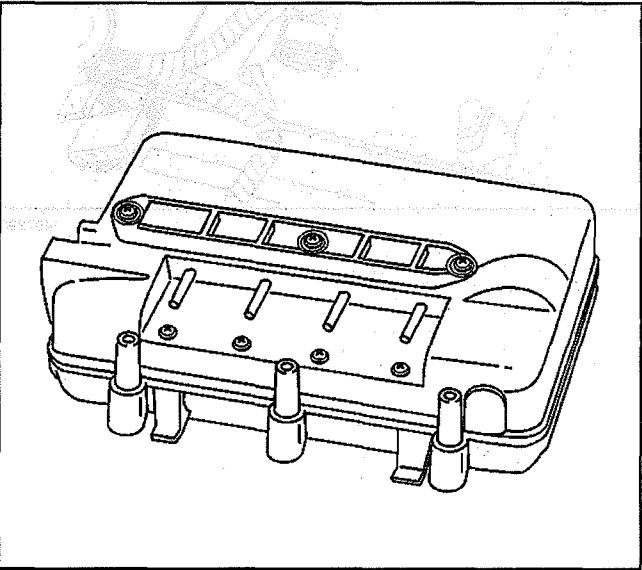
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4. Disconnect the electrical connectors.

1. Lift the recliner control handle.
2. Press the seatback rearward into a fully reclined position (91 degrees from the intermediate position).
3. Inspect the ease of the recliner control handle operation and the seatback movement.
4. Release the recliner control handle.
5. Ensure that the handle returns to its original position and that the seatback remains fully reclined.
6. Lift the recliner control handle.
7. Pull the seatback forward to an intermediate reclined position.
8. Release the recliner control handle.
9. Press the seatback rearward in order to ensure that the seatback is locked and stays in position.
10. Lift the recliner control handle and move the seatback to the normal position.
11. Release the recliner control handle.
12. Press the seatback rearward in order to ensure that the seatback is locked and stays in position.
13. If the recliner control does not operate correctly, remove and replace the recliner control.

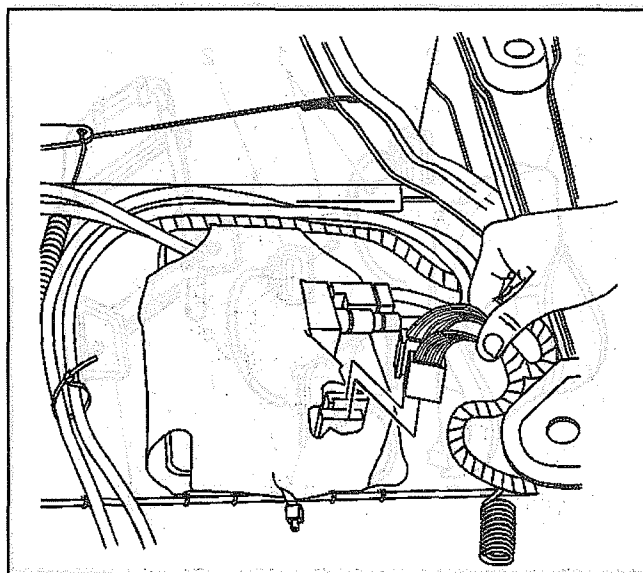
5. Open leather module pouch and slide module out of installed location.

1. Remove the front passenger seat. Refer to 51K.
2. Remove the rear seat. Refer to 51K.
3. Remove the rear seat. Refer to 51K.
4. Remove the rear seat. Refer to 51K.
5. Remove the rear seat. Refer to 51K.
6. Remove the rear seat. Refer to 51K.
7. Remove the rear seat. Refer to 51K.
8. Remove the rear seat. Refer to 51K.
9. Remove the rear seat. Refer to 51K.
10. Remove the rear seat. Refer to 51K.
11. Remove the rear seat. Refer to 51K.
12. Remove the rear seat. Refer to 51K.
13. Remove the rear seat. Refer to 51K.
14. Remove the rear seat. Refer to 51K.
15. Remove the rear seat. Refer to 51K.
16. Remove the rear seat. Refer to 51K.
17. Remove the rear seat. Refer to 51K.
18. Remove the rear seat. Refer to 51K.
19. Remove the rear seat. Refer to 51K.
20. Remove the rear seat. Refer to 51K.

Installation Procedure

1. Install the lumbar module into leather pouch and secure pouch.

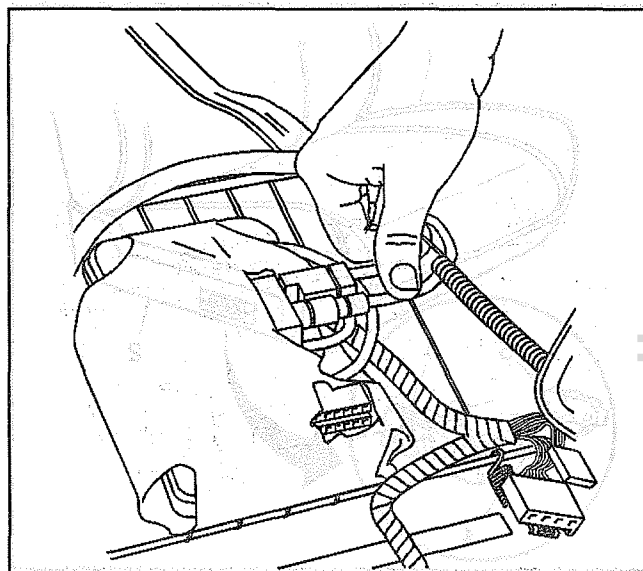
2. Connect the electrical connectors.
3. Connect the air supply hoses to the lumbar module.
4. Install the adjuster. Refer to *Power Recliner Replacement - Front Seat* in seats.
5. Install the front passenger seat. Refer to *Shift Cable Adjustment* for Pontiac or *Seat Replacement - Front Bucket (Chevrolet)* for Chevrolet.



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3. Connect the air supply hoses to the lumbar module.
4. Install the adjuster. Refer to *Power Recliner Replacement - Front Seat* in seats.
5. Install the front passenger seat. Refer to *Shift Cable Adjustment* for Pontiac or *Seat Replacement - Front Bucket (Chevrolet)* for Chevrolet.



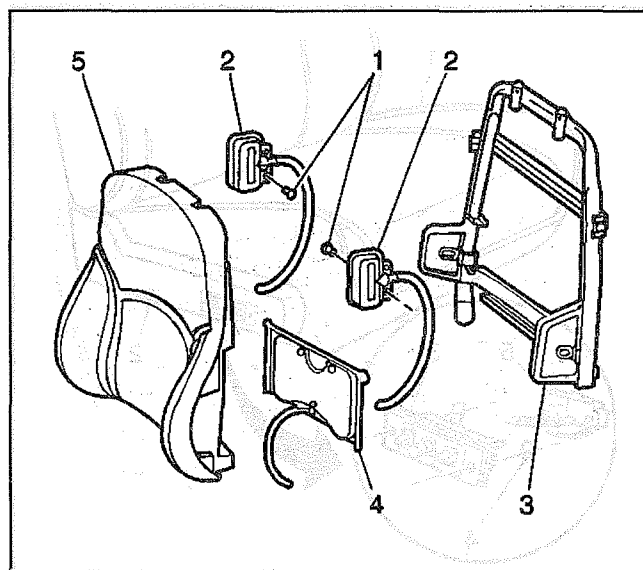
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Lumbar Bladder Replacement

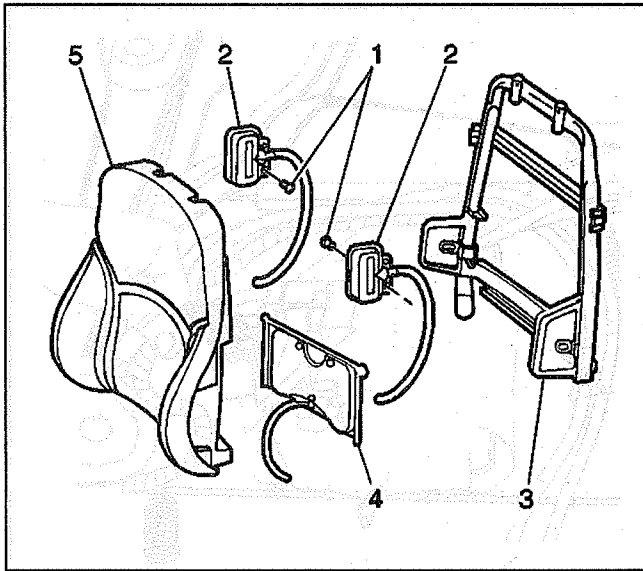
Removal Procedure

1. Remove the seatback cover. Refer to *Seat Cushion Cover Replacement - Front*.
2. Remove the seatback pad (5) from the frame (3).
3. Remove the seatback lumbar bladder (4) and the hose.
4. Remove the seat lateral support bladder retainer (1).
5. Remove the seat lateral support bladders (2) and the hose.



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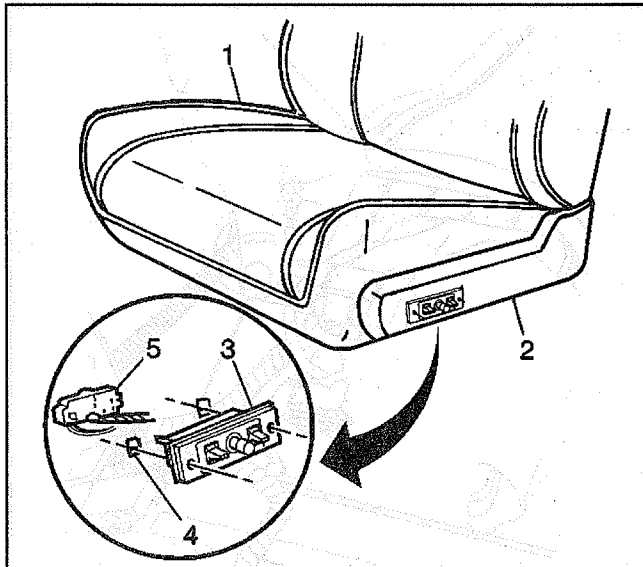
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Installation Procedure

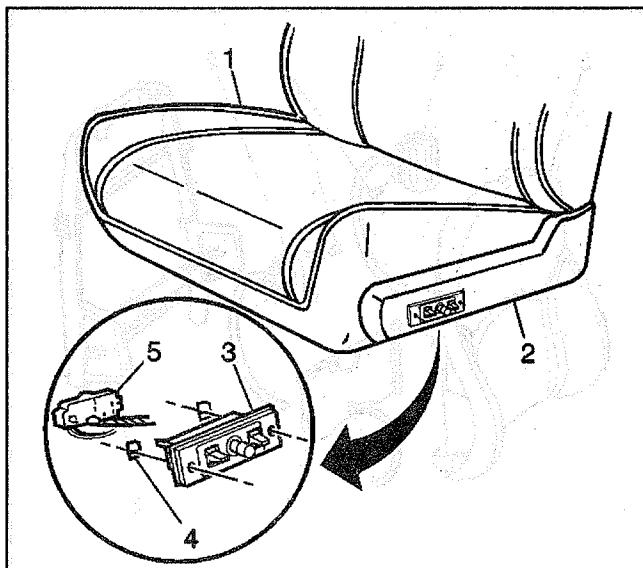
1. Install the seat lateral support bladders (2) and the hose.
2. Install the seat lateral support bladder retainer (1).
3. Install the seatback lumbar bladder (4) and the hose.
4. Install the seatback pad (5) to the frame (3).
5. Install the seatback cover. Refer to *Seat Cushion Cover Replacement - Front*.



330845

Seat Adjuster Mechanism Replacement - Power**Removal Procedure**

1. Remove the driver seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.
2. Remove the hinge arm trim cover. Refer to *Hinge Arm Trim Cover*.
3. Remove the connector (5) from the adjuster (3) by releasing the retainers (4).



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Installation Procedure

1. Connect the connector (5) to the adjuster (3) by engaging the retainers (4).
2. Install the hinge arm trim cover. Refer to *Hinge Arm Trim Cover*.
3. Install the driver seat. Refer to *Seat Replacement - Front Bucket (Chevrolet)* or *Seat Replacement - Front Bucket (Pontiac)*.

Adjustment Procedure

With the seat adjuster installed, chucking or jerking can be corrected by tightening or loosening the horizontal actuator and pinion gear to the adjuster lower track rack gear.

1. Operate the seat to a 3/4-forward position.
2. Loosen the bolt (1).
3. Perform the following steps at the same time.
 - 3.1. Use a large screwdriver in order to apply 67 to 111 N-m (15 to 25 lb ft) of outward pressure on the actuator (2).
 - 3.2. Use the horizontal adjuster switch to move the seat forward and backward.
This will help position and secure the horizontal actuator pinion gear teeth to the lower track rack gear teeth, eliminating any free play.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

- 3.3. While keeping pressure on the actuator (2), tighten the bolt (1).

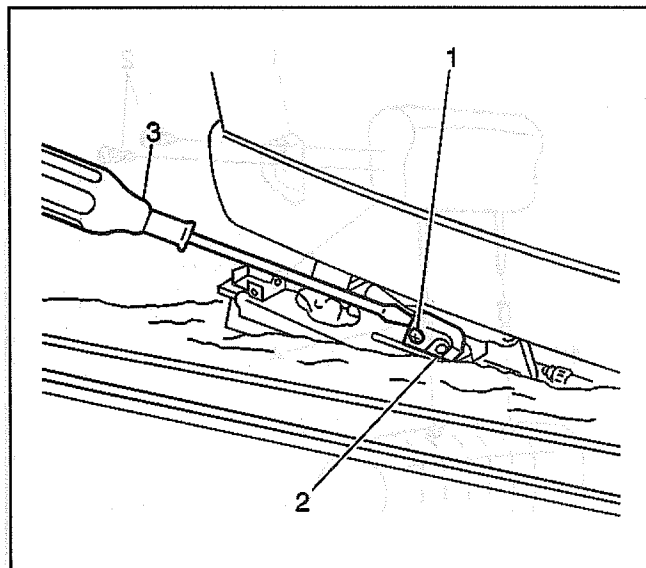
Tighten

Tighten the bolt to 28 N-m (20 lb ft).

Phase Adjustment Procedure

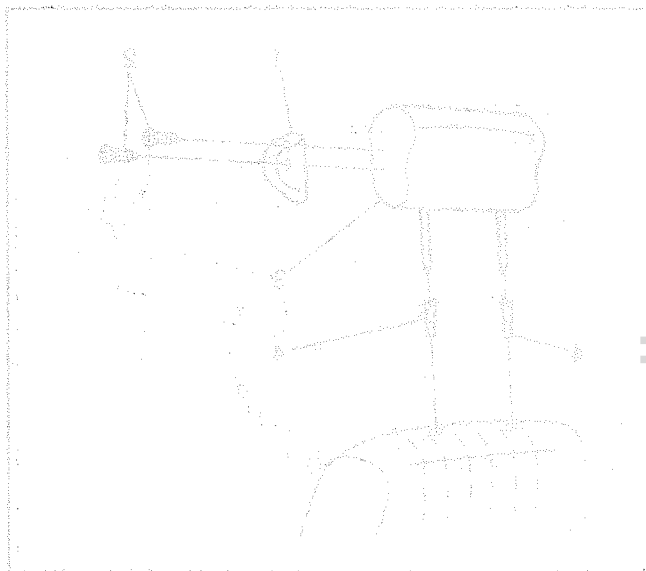
The adjuster is out of phase when one adjuster reaches either the maximum horizontal or the maximum vertical travel before the other adjuster. An out-of-phase adjuster can occur over time or when the seat is serviced.

1. Operate the horizontal adjuster switch until one adjuster reaches a full-forward position.
2. Detach the horizontal drive cable from the full-forward adjuster.
3. Operate the horizontal adjuster switch until the other adjuster reaches a full-forward position.
4. Connect the horizontal drive cable.
5. Inspect the horizontal travel.
6. Operate the vertical adjuster switch until one adjuster reaches the full-up position at both the front and rear.
7. Disconnect both of the front and the rear vertical drive cable from the full-up adjuster.
8. Operate the vertical adjuster switch until the other adjuster reaches the full-up position at both the front and the rear.
9. Connect the vertical drive cable.
10. Inspect the vertical drive cable.

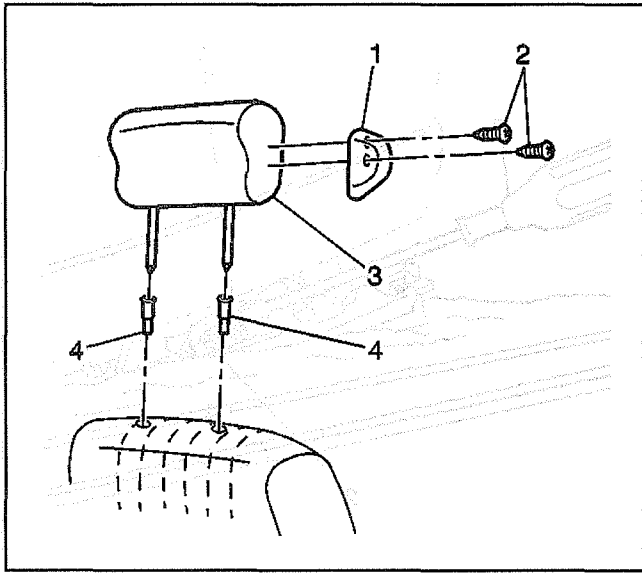


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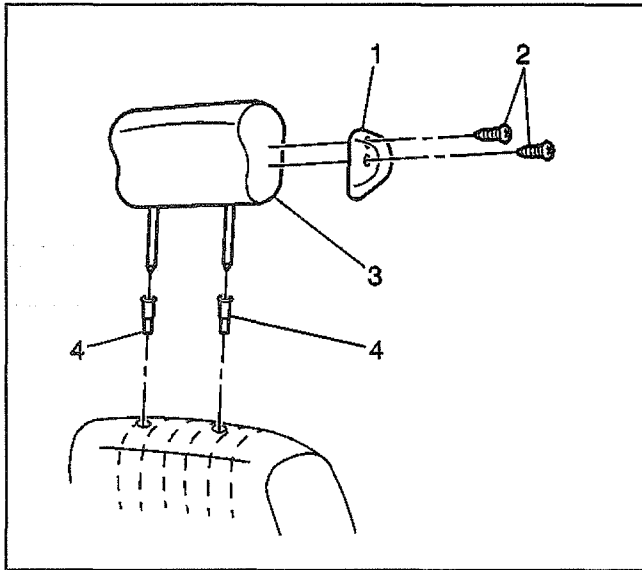
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Headrest Replacement - Front Seat (Base Level)

Removal Procedure

Tools Required

J 39641 Headrest Removal Tool

1. Remove the seatback release knob.
2. Separate the J-retainers at the bottom of the seat.
3. Pull the seat cover past the head restraint posts.
4. Slide the J 39641 up the head restraint posts with the tool tabs fitting into the open slots between the head restraint guide tabs.
5. With the headrest removal tools in place, rotate each tool so the head restraint guide tabs expand outward.
6. Remove the head restraint (3).

Installation Procedure

1. Install the head restraint (3).
2. Firmly pull down on the seat cover in order to enable the J-retainers at the bottom of the seat to lock together.
3. Install the seatback release knob.

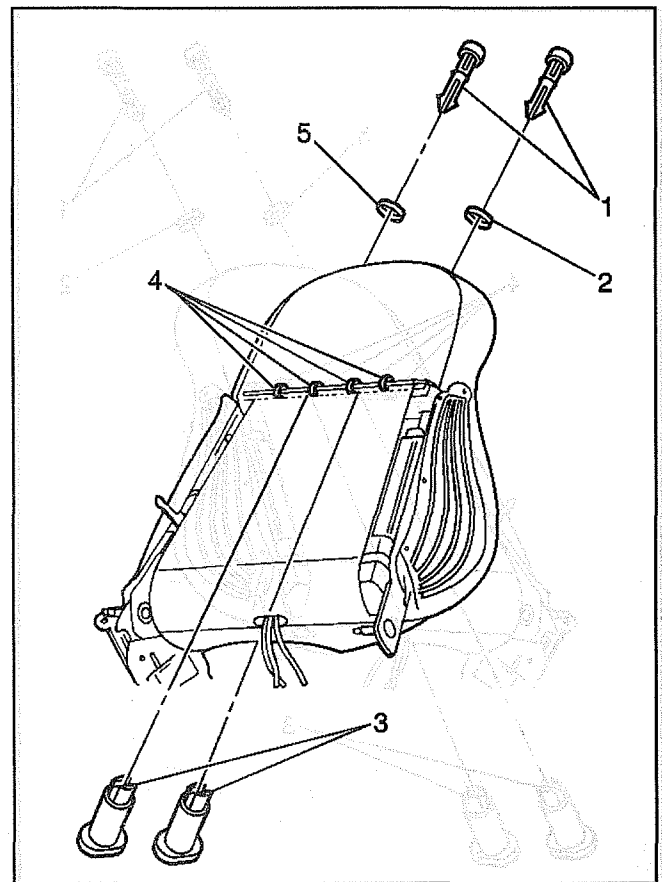
Headrest Replacement - Front Seat (Uplevel)

Removal Procedure

Tools Required

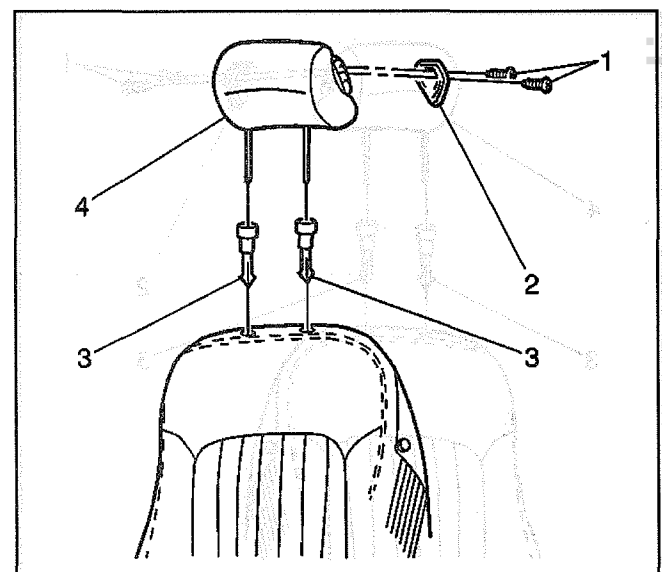
J 39641 Headrest Removal Tool

1. Remove the seatback trim. Refer to Uplevel Seat Trim.
2. Remove the cover retainer rings (4).
3. Raise the cover in order to access the guides.
4. Remove the head restraint post retaining rings (5) from the bottom of the posts.
5. Slide the *J 39641* up the head restraint posts with the tool tabs fitting into the open slots between the head restraint guide tabs.
6. With the headrest removal tools in place, rotate each tool in order for the head restraint guide tabs to expand outward.
7. Remove the head restraint (4).
8. Remove the bolts (1) and the seat shoulder belt guide (2), as needed.



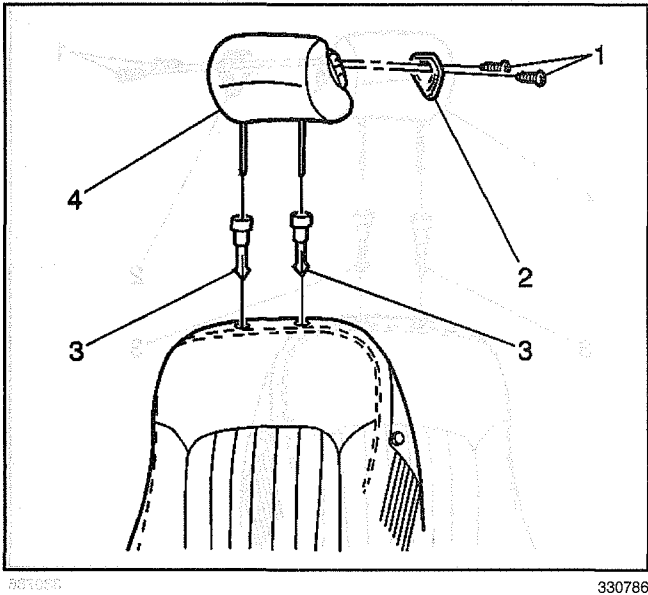
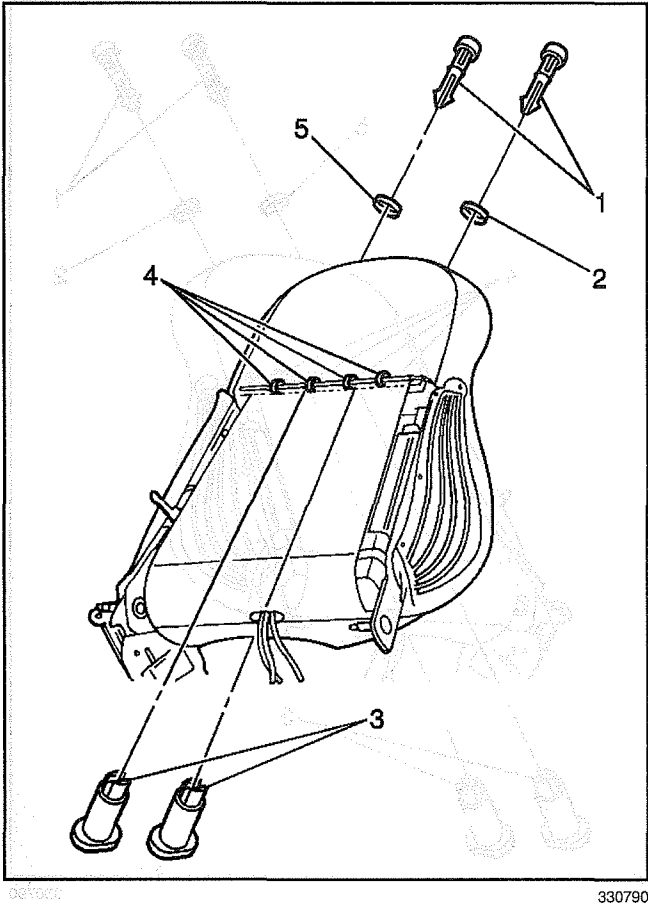
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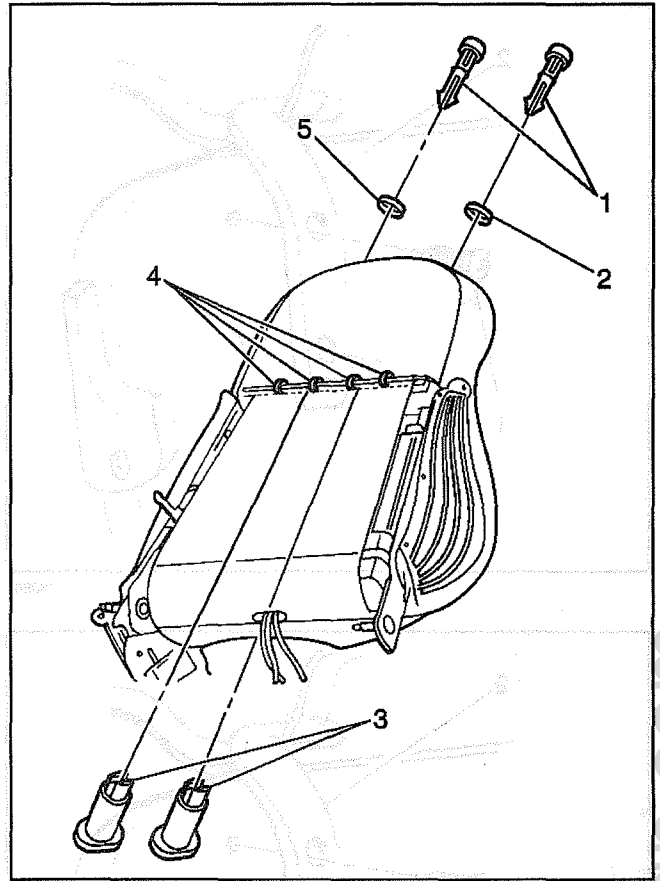


Installation Procedure

1. Install the head restraint post retaining rings (2,5) to the bottom of the posts.

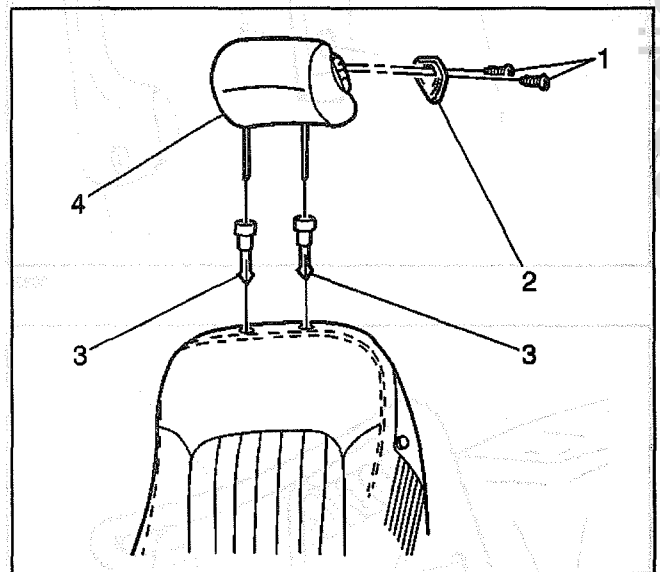
2. Install the head restraint (4).

3. Install the cover retainer rings (4).
4. Install the seatback trim. Refer to Uplevel Seat Trim.



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5. Install the seat shoulder belt guide (2).
6. Install the bolts (1) as needed.
7. Secure the bolts (1).

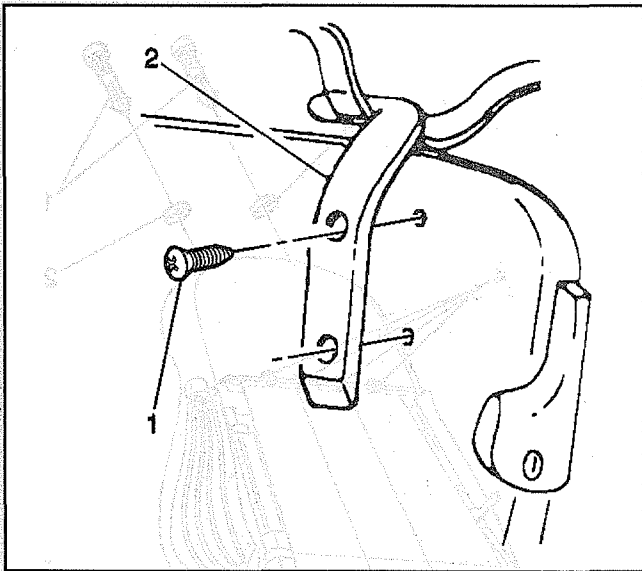


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Shoulder Restraint Guide Replacement - Rear Seat (Convertible)

Removal Procedure

1. Remove the bolts (1) that attach the guide (2) to the rear seatback cushion.
2. Remove the guide (2).



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Installation Procedure

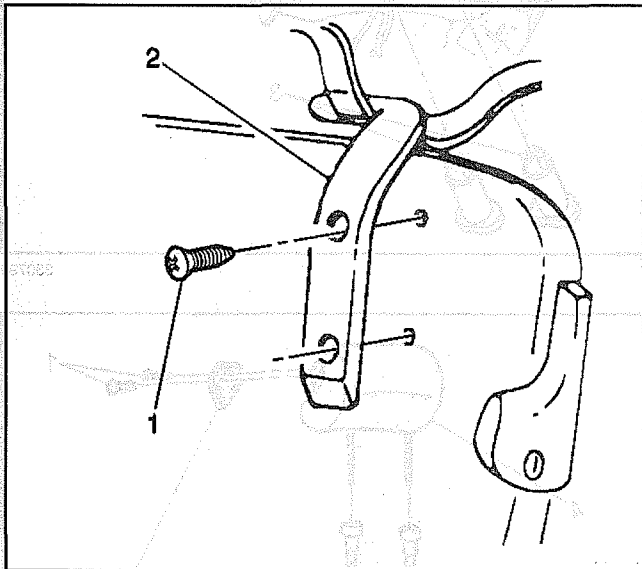
1. Install the guide (2) to the rear seatback cushion.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolts (1).

Tighten

Tighten the bolts (1) to 10 N·m (89 lb in).

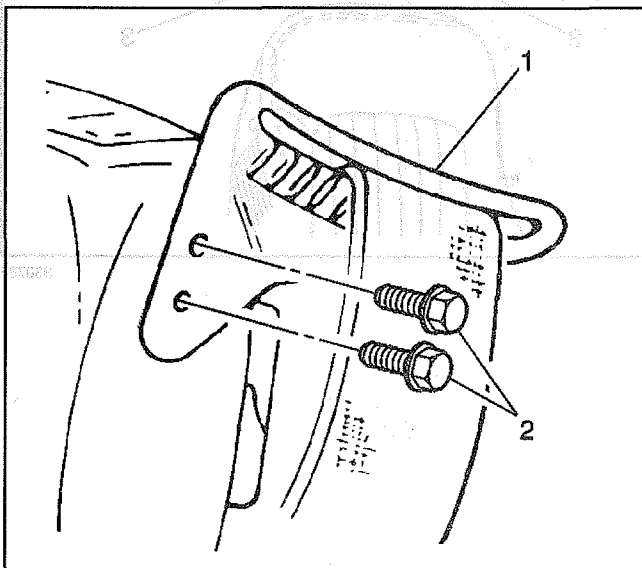


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Shoulder Restraint Guide Replacement - Rear Seat (Standard)

Removal Procedure

1. Remove the bolts (2) that attach the guide (1) to the rear seatback cushion.
2. Remove the guide (1).



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Installation Procedure

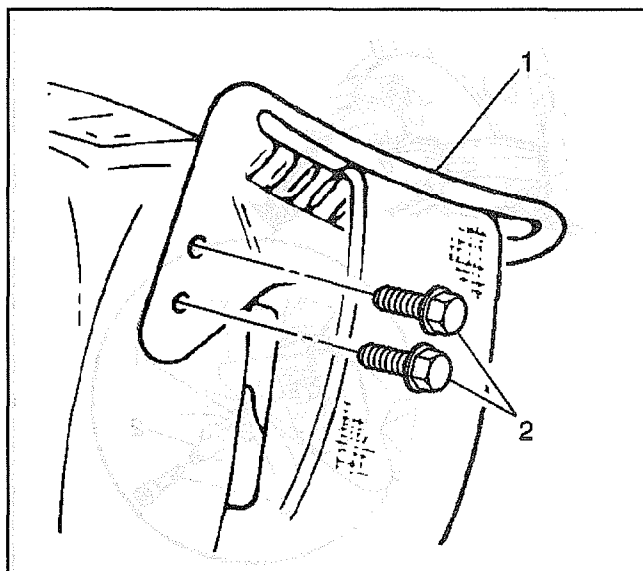
1. Install the guide (1) to the rear seatback cushion.

Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolts (2).

Tighten

Tighten the bolts to 10 N·m (89 lb in).



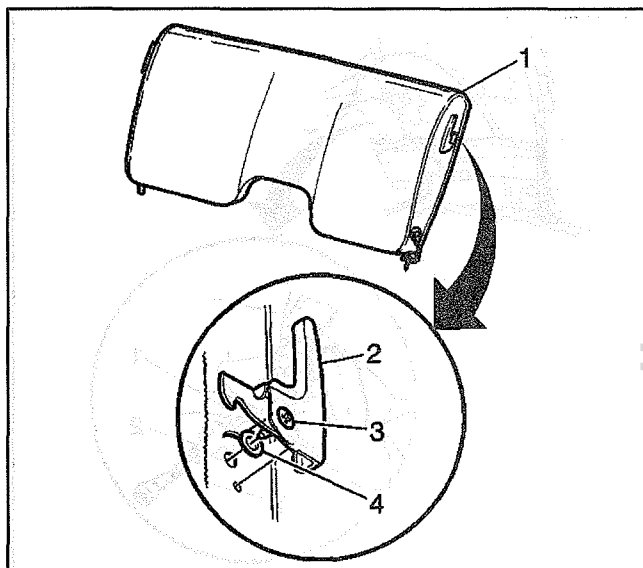
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Seat Back Latch Replacement - Rear Folding

Removal Procedure

The rear seat folds down in order to provide additional storage space in the rear of the vehicle. The seatback locks are located on the outboard sides of the seat. The strikers are located on the wheelhouse panel.

1. Remove the rear seat cushion.
2. Remove the rear seatback cushion (1).
3. Remove the bolt (3).
4. Remove the lock (2) and the washer (4).



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Installation Procedure

1. Install the washer (4) and the lock (2).

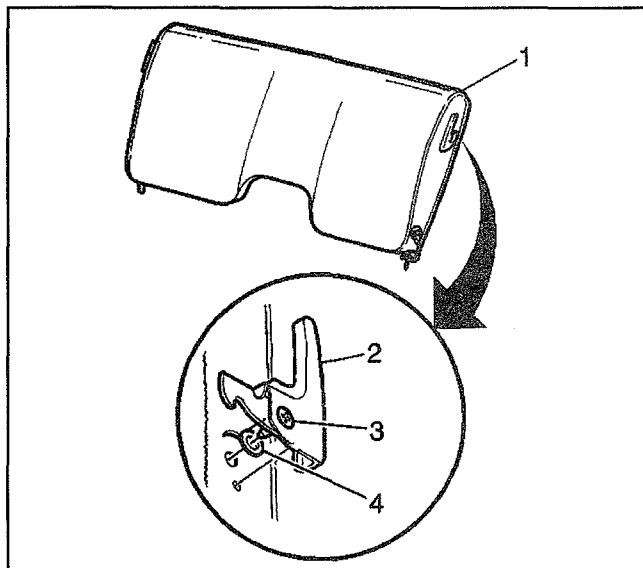
Notice: Refer to *Fastener Notice* in Cautions and Notices.

2. Install the bolt (3).

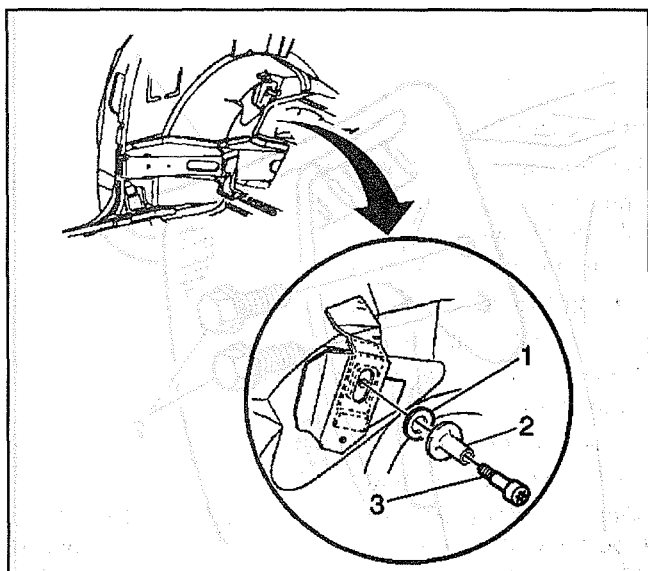
Tighten

Tighten the bolt (3) to 27 N·m (20 lb ft).

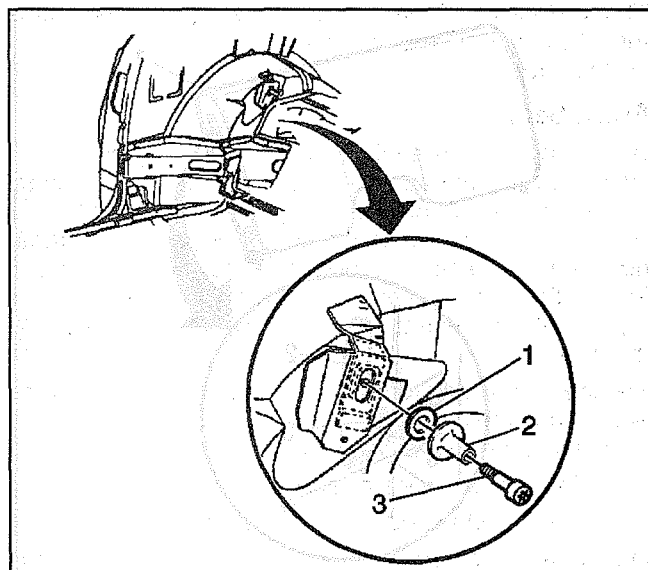
3. Install the rear seatback cushion (1).
4. Install the rear seat cushion.



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Seat Back Latch Striker Replacement - Rear Folding

Removal Procedure

The rear seat folds down in order to provide additional storage space in the rear of the vehicle. The seatback locks are located on the outboard sides of the seat. The strikers are located on the wheelhouse panel.

1. Remove the bolt (3).
2. Remove the sleeve (2).
3. Remove the washer (1).

Installation Procedure

1. Install the sleeve (2) over the bolt (3).
2. Install the washer (1) over the bolt (3).

Notice: Refer to *Fastener Notice* in Cautions and Notices.

3. Install the bolt (3).

Tighten

Tighten the bolt (3) to 35 N·m (26 lb ft).

Description and Operation

Power Seats Circuit Description

There are 3 reversible motors operating the power seats:

- The forward/back motor
The forward/back motor moves the entire seat forward and back.
- The front height motor
The front height motor tilts the front of seat.
- The rear height motor
The rear height motor tilts the rear of the seat.

The front height motor and the rear height motor can be operated at the same time. When the middle of the power seat switch is moved up or down, the front and rear height motors move the entire seat up and down.

Motor Operation

- When the forward position on the power seat switch is pressed, voltage is supplied from the DEFOG/SEATS circuit breaker 30A to the forward/back motor. This drives the motor forward. When the back position is pressed on the power seat switch, voltage is now applied through the supply voltage circuit of the driver power seat motor horizontal aft direction. The polarity is reversed causing the motor to run in the opposite direction. Operation of the individual front height motor and the rear height motor is identical to that of the forward/back motor.
- The front height and the rear height can be operated at the same time through the power seat switch. When the middle of the power seat switch is pressed to the up position, voltage is supplied from the DEFOG/SEATS circuit breaker 30A. This drives both motors. The down position has identical operation to the up position except that power and ground are reversed.

Electronic Circuit Breaker (ECB)

- Each motor contains an Electronic Circuit Breaker (ECB).
- When the motor is overloaded, the ECB resistance increases until the circuit breaker opens.
- When the overload is removed, the ECB closes and resistance returns to normal.

Front Seats Description

Front Seat

The front seats are bucket seats.

The driver and the front passenger seats have the following features:

- Inertia seatback locks
- Manual seatback recliners
- Manual seatback adjuster

For the driver's seat only, the following features can be ordered:

- A 4-way manual seat adjuster
- A 6-way power seat adjuster

Also, both driver and front passenger seats can be ordered as pneumatic seats. Pneumatic seats have an adjustable thigh support. For Pontiac only, inflatable lumbar and lateral support bladders can be ordered.

The seatback and the cushion have formed foam pads that fit the contours of the seatback and the seat cushion frames.

Front Seatback

Bucket seats have a tubular frame seatback and a standard manual seatback recliner. The recliner control is mounted on the outboard side of the seat. The recliner control operates the seatback angle. The inner hinge arm bolt acts as a pivot point for the seatback. The recliner control has an inertia seatback lock that lets the occupant move the seatback without the lever.

The inertia seatback lock locks the seatback. Use the emergency release lever in order to move the seatback if the following conditions occur:

- If the vehicle stops or slows suddenly
- If the vehicle is declined 20 degrees or more

Lift the reclining control handle in order to change the seatback angle. Lifting the recliner control handle releases the lock bars and lets the seatback pivot forward and rearward. Releasing the recliner control handle lets the cam plate move counterclockwise. This causes the lock bar teeth to lock the seatback in a new position. The recliner control handle should return automatically to its original position.

Rear Seats Description

The rear seat construction in the Camaro and Firebird vehicles consists of a solid bench type seatback with individual seat bottom cushions separated by the driveline tunnel. Both the rear seat back and the individual seat bottom cushions are fastened to the vehicle with steel loop-type fasteners and bolts. Each of the cushions and the seatback can be serviced individually.

Power Lumbar Circuit Description

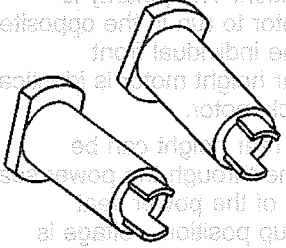
Each seat incorporates a power inflate/deflate system which alters the shape of the seat using air bladders. Both power seats operate utilizing the power seat cushion air control module and the pump assembly. The power seat cushion air control module and the pump assembly are mounted under the passenger seat. A seat jumper harness from the passenger seat connects the circuitry and the bladder tubing to the driver seat.

Driver Lumbar Support

Voltage is supplied at all times to both of the lumbar adjuster switches from the DEFOG/SEATS CKT BRKR 30A. The driver and the passenger lumbar adjuster switch has 2 switches on it. One switch inflates and deflates the lumbar support. The other switch inflates and deflates the side bolster support. When the driver lumbar adjuster switch is pressed to the inflate position, voltage is supplied through the switch and the inflate relay within the power seat cushion air control module. The power seat cushion air control module inflate relay closes applying power to the pump assembly motor in the inflate direction. When the pressure switch inside the power seat cushion air control module senses a bladder full/empty condition, the ground to the solenoid valve is electrically opened. In response, the power seat cushion air control module shuts off the pump by opening the ground to the inflate relay until the driver lumbar adjuster switch is released.

Operation of the driver bolster support and the passenger lumbar adjuster switch is identical to the driver lumbar adjuster switch.

Special Tools and Equipment

Illustration	Tool Number/ Description
	J 39641 Headrest Removal Tool

- Electronic Circuit Breaker (ECB)
- Each motor contains an Electronic Circuit Breaker (ECB).
 - When the motor is overloaded, the ECB resistance increases until the circuit breaker opens.
 - When the overload is removed, the ECB cools and resistance returns to normal.