

2003 Chevrolet Corvette

2003 ACCESSORIES & EQUIPMENT Roof - Corvette

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Roof - Corvette

SPECIFICATIONS

Fig. 1: Roof Fastener Tightening Specifications (1 Of 2)
Courtesy of GENERAL MOTORS CORP.

2003 Chevrolet Corvette

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Application	Specification	
	Metric	English
Stowage Lid Hinge Bolts	25 N·m	18 lb ft
Stowage Lid Latch Bolts	10 N·m	89 lb in
Stowage Lid Striker Bolts	10 N·m	89 lb in
Sunshade Retainer Screw	2 N·m	18 lb in
Window Support Strap Screws	2 N·m	18 lb in

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Fig. 2: Roof Fastener Tightening Specifications (2 Of 2)

Courtesy of GENERAL MOTORS CORP.

REPAIR INSTRUCTIONS

FOLDING TOP LATCH ADJUSTMENT

1. Adjust the latch handle (1) for proper fit, by raising or lowering the striker (3).

Important: You should not have to loosen the striker screws.

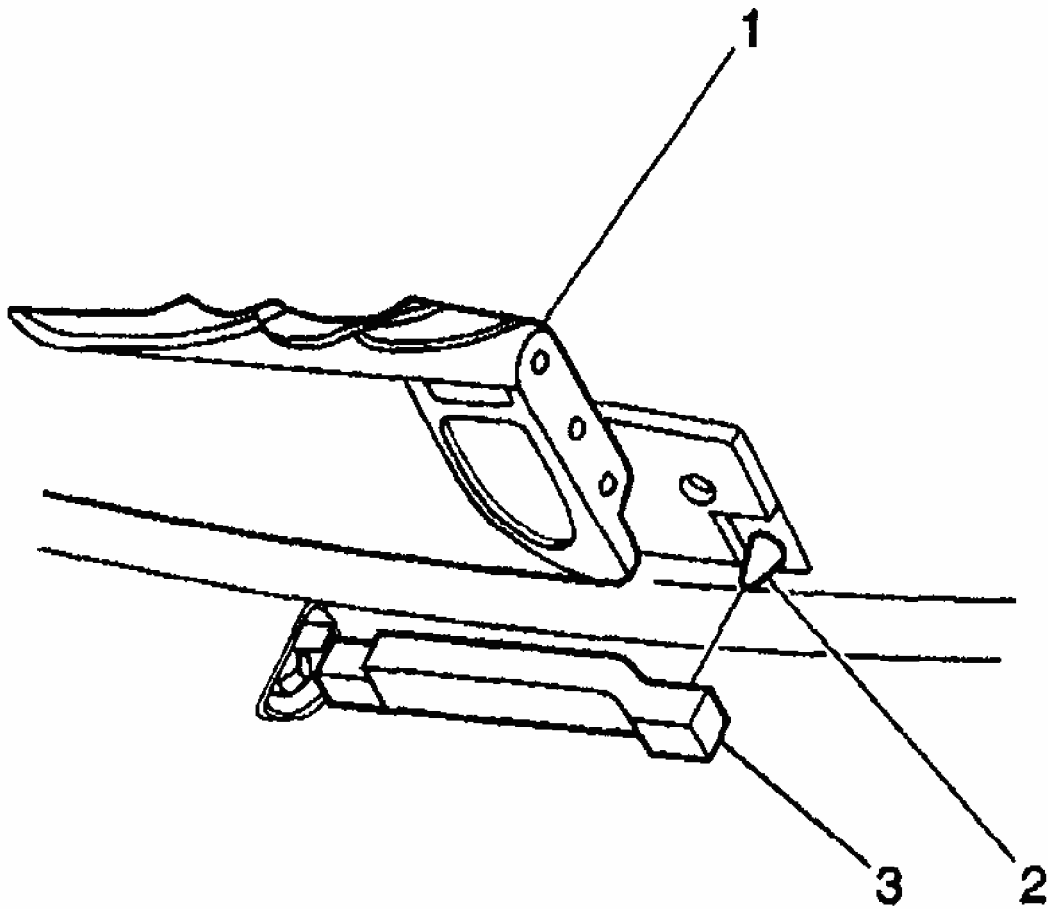
2. Use a nylon mallet and a drift to punch the striker (3). Punch upward to loosen the striker or punch downward to tighten the striker.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

3. Inspect the striker screws for proper torque.

Tighten

Tighten the striker screws 10 N.m (89 lb in).



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Fig. 3: Adjusting Latch Handle For Proper Fitting
Courtesy of GENERAL MOTORS CORP.

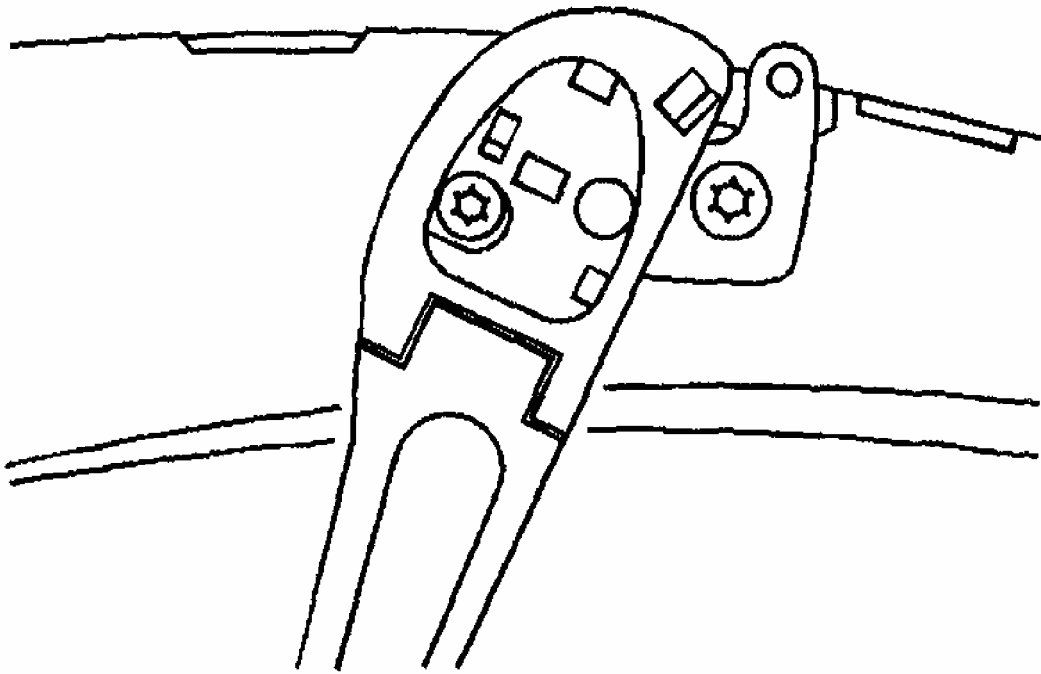
4. Loosen the latch handle bolts.

Important: Assure that the latch handle base is parallel to the striker.

5. Reposition the latch handle forward or rearward. To avoid squeaks and rattles maintain a minimum of 2 mm (0.08 in) clearance between latch handle and the latch striker.
6. Tighten the latch handle bolts.

Tighten

Tighten the bolts to 13 N.m (10 lb ft).



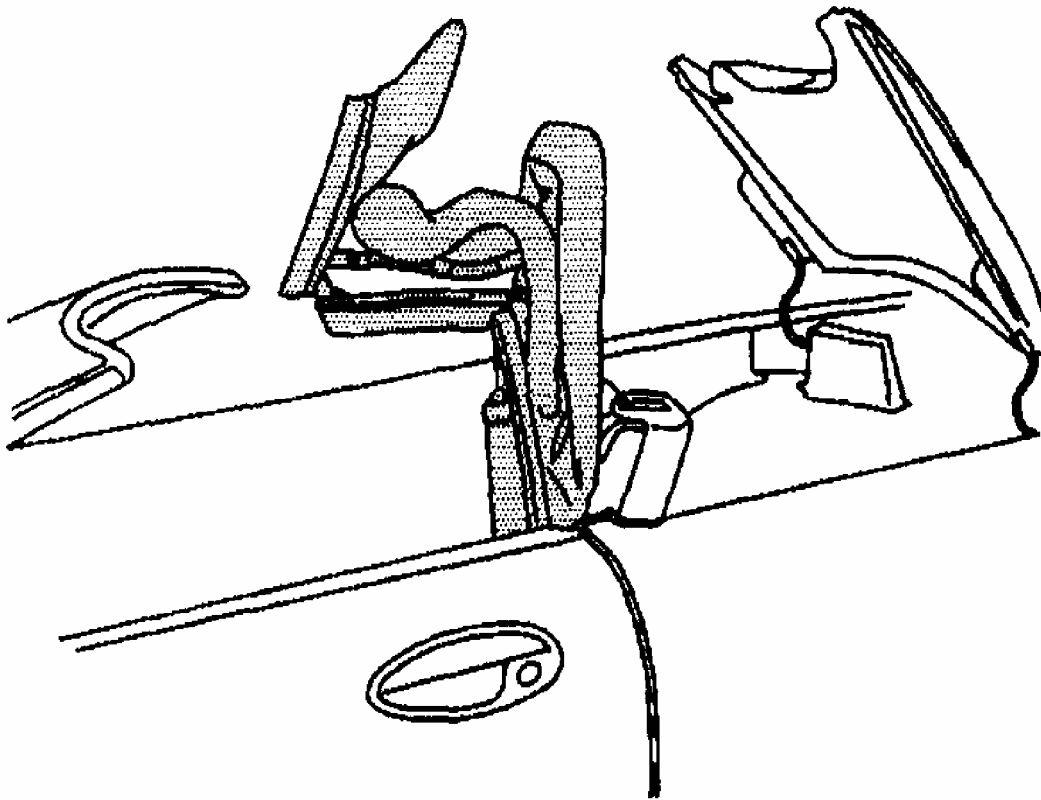
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Fig. 4: Latch Handle
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP LATCH LEVER REPLACEMENT

Removal Procedure

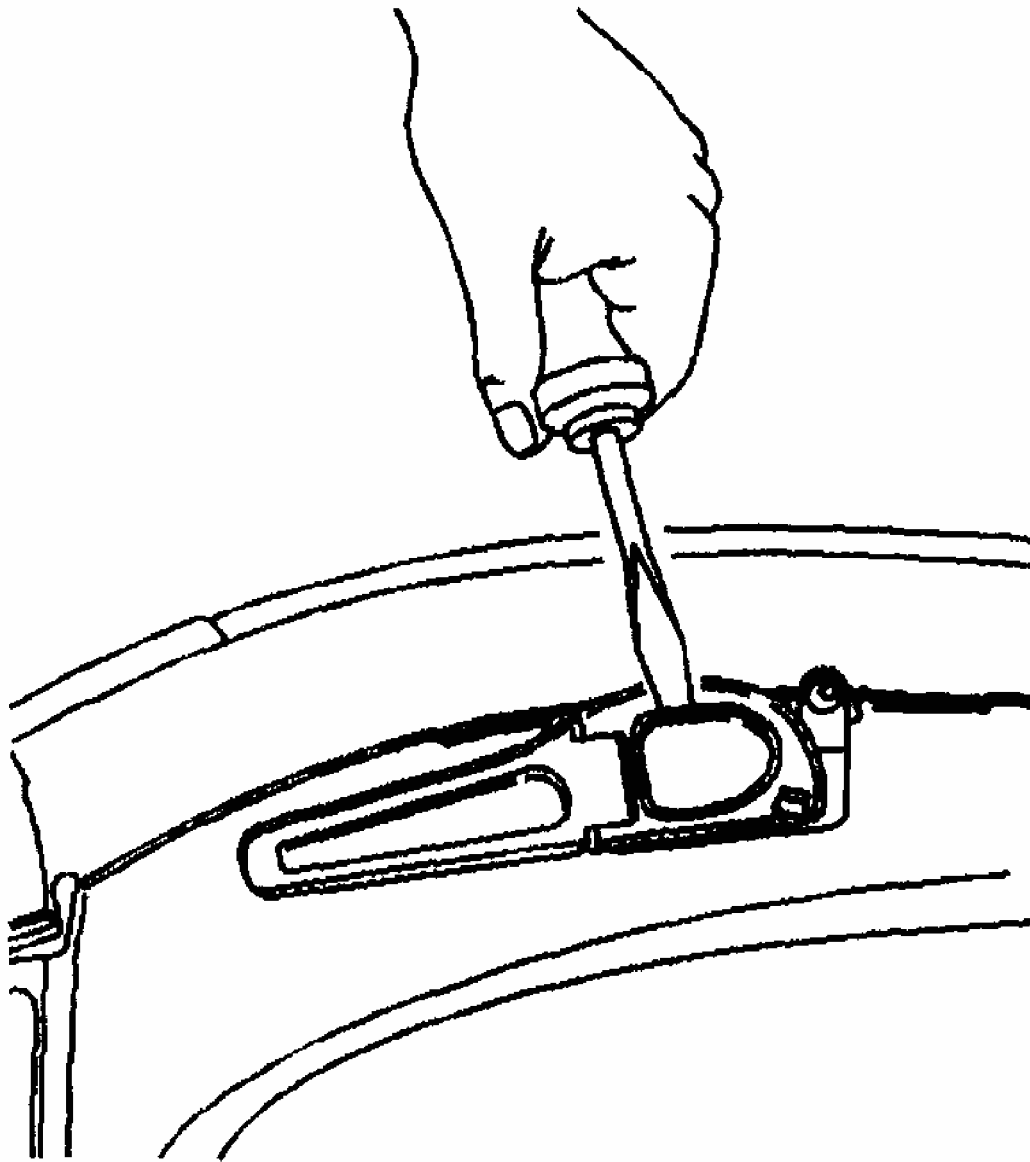
1. Position the folding top with the #1 bow and the #5 bow up.



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Fig. 5: Folding Top
Courtesy of GENERAL MOTORS CORP.

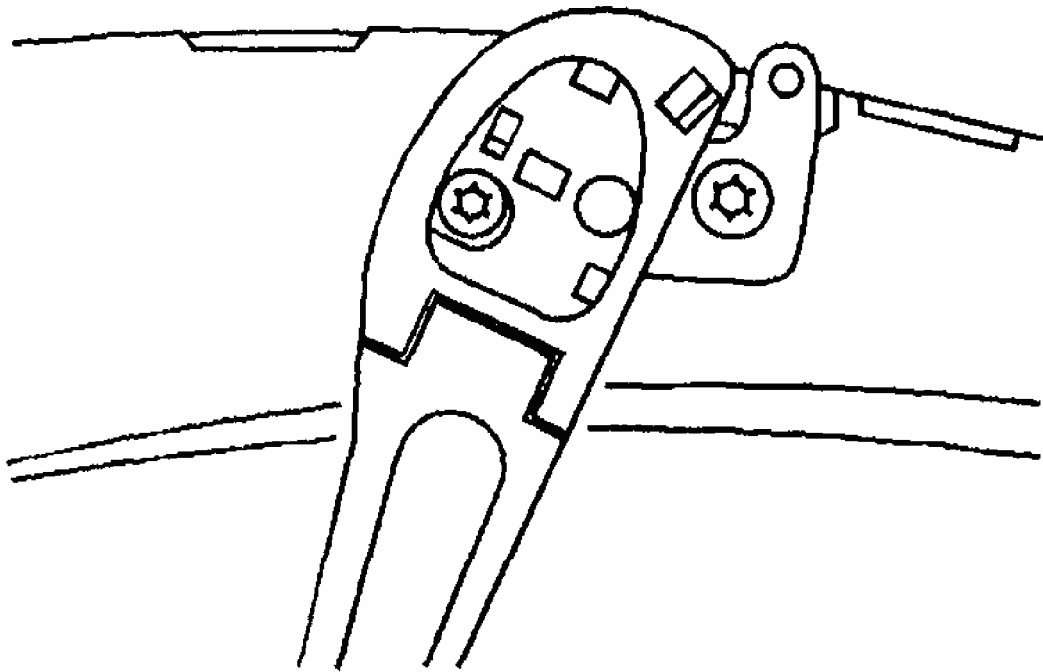
2. Use a grease pencil to mark the location of the latch to be removed.
3. Remove the trim cover from the latch



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Fig. 6: Trim Cover From Latch
Courtesy of GENERAL MOTORS CORP.

4. Rotate the handle to align the hole with the bolt.

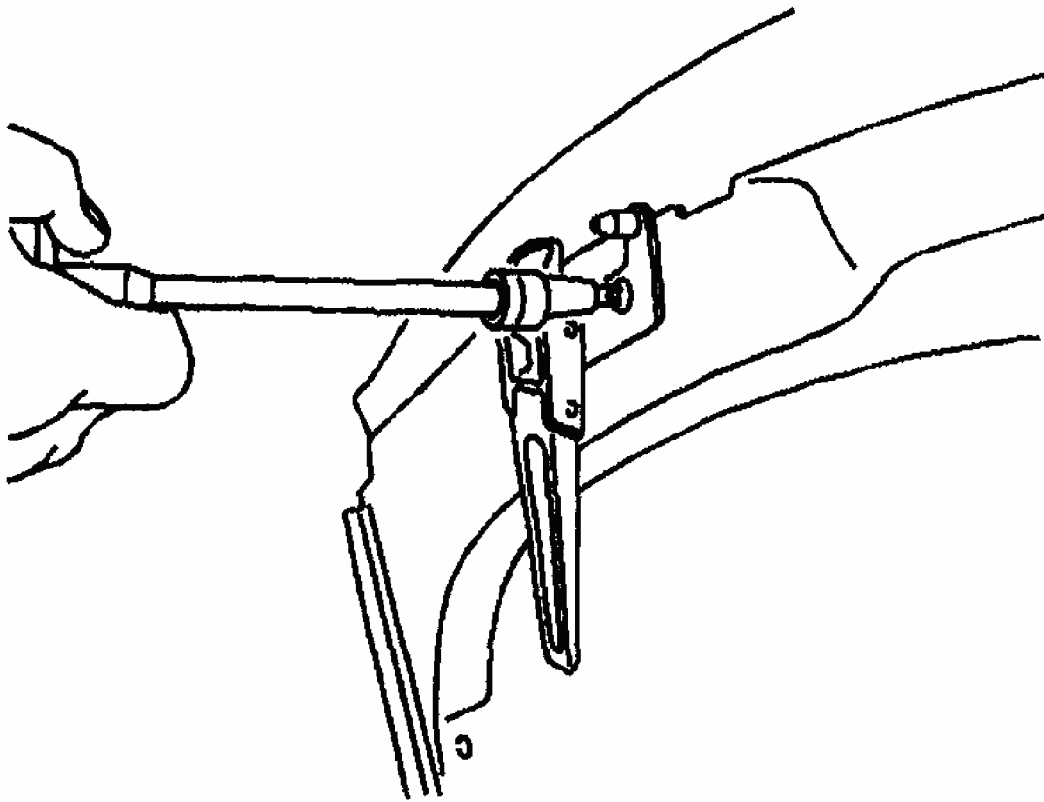


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Fig. 7: Rotating Handle To Align Hole With Bolt
Courtesy of GENERAL MOTORS CORP.

Important: Do NOT allow the right anchor plate to drop inside the top.

5. Remove the bolts and the latch handle assembly. Before removing the second bolt on the right side, pivot the handle to expose the bolt hole. Loosely replace the bolt to hold the anchor plate in position.



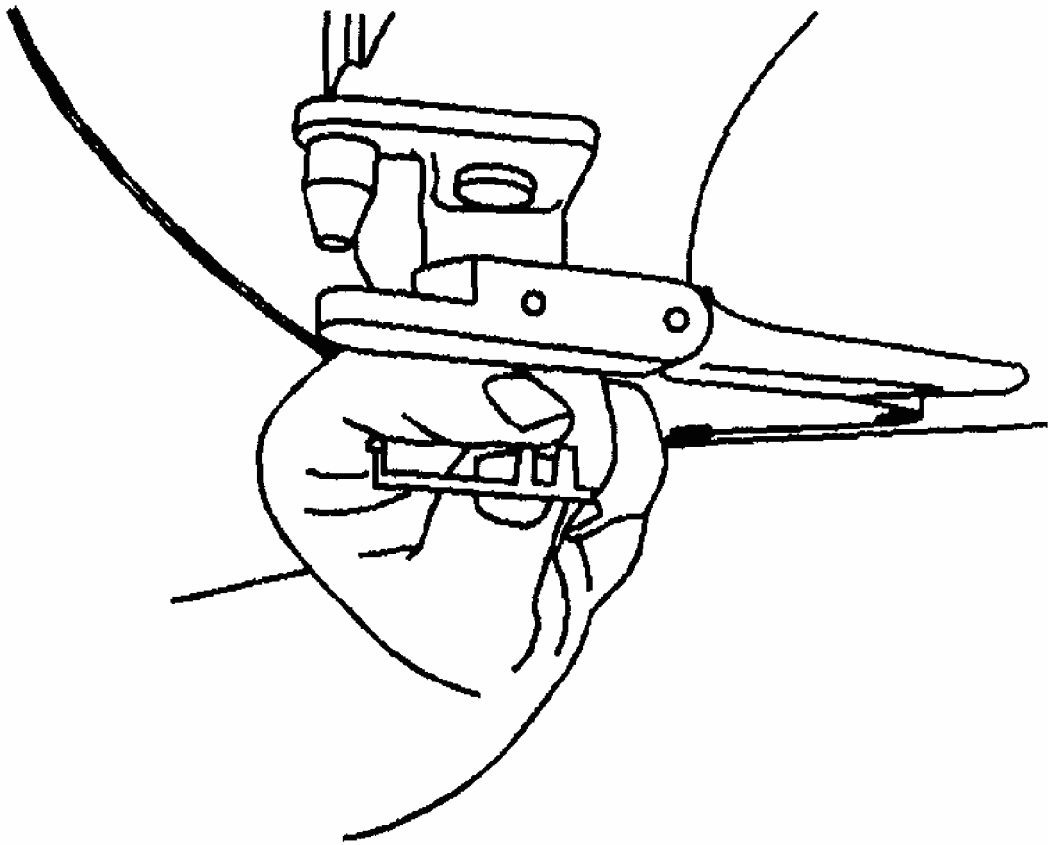
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Fig. 8: Latch Handle Assembly
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

Important: When you install a new latch, leave the spacing collar on the latch handle to achieve a minimum of 2 mm (0.08 in) clearance to the striker.

1. Remove the latch handle trim cover, if installed.
2. Align the latch to the marks on the roof.
3. Loosely install the latch handle to the roof.
4. Rotate the handle to access the inboard mounting bolt.
 - When installing a latch handle with a spacing collar installed, apply forward pressure to the handle while tightening the mounting bolts.
 - If the spacing collar is not available, position the latch handle with a minimum of 2 mm (0.08 in) clearance to the latch.



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Fig. 9: Aligning Latch To Marks On Roof & Installing Latch
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to FASTENER NOTICE in Cautions and Notices.

5. Install the inboard bolt.

Tighten

Tighten the bolt to 18 N.m (13 lb ft).

6. Rotate the handle.
7. Install the outboard bolt.

Tighten

Tighten the bolt to 18 N.m (13 lb ft).

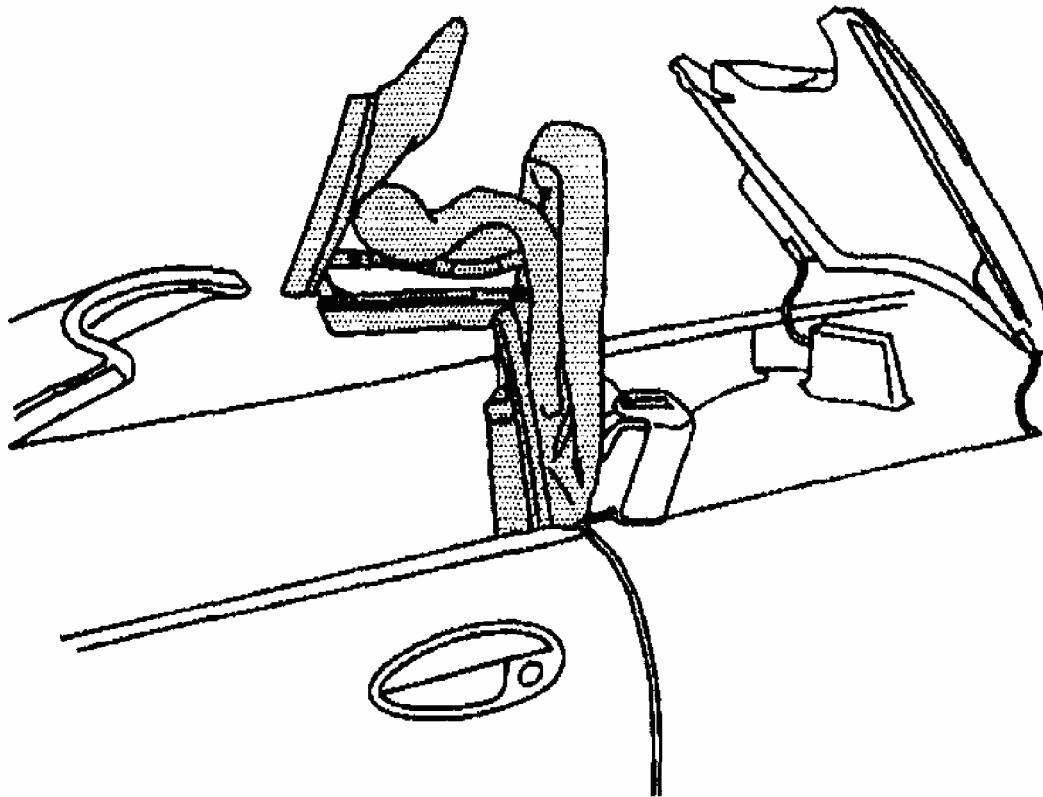
8. Remove the spacing collar.
9. Completely engage the latch handle.
10. Position the trim cover to the latch handle and press the trim cover into place until fully seated.
11. Inspect the top latches for proper operation.
12. Position top to original position.

FOLDING TOP STOWAGE COMPARTMENT LID SWITCH REPLACE

Removal Procedure

1. Position the folding top with the #1 bow and the #5 bow up.
2. Open the folding top stowage lid.

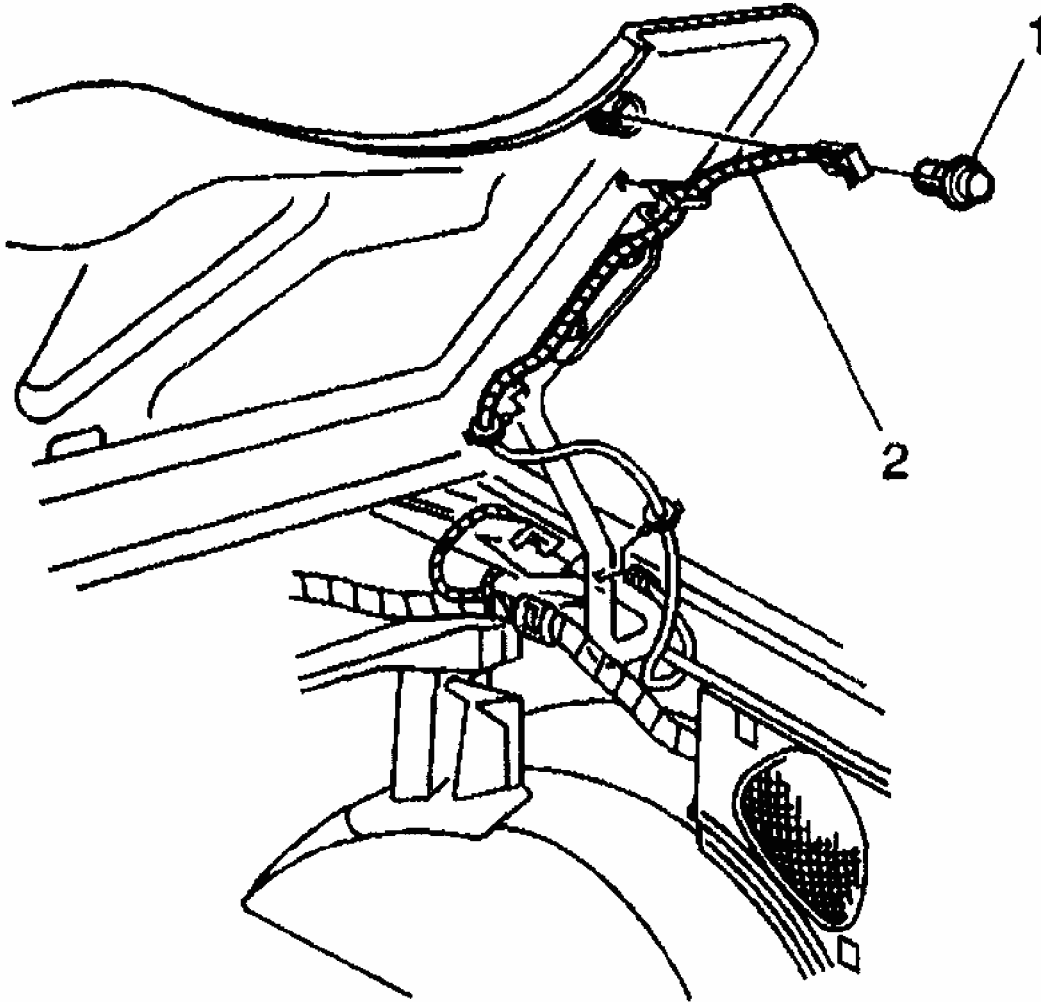
If necessary, you can open the stowage lid manually by pulling on the manual release cable.



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Fig. 10: Folding Top Stowage Lid
Courtesy of GENERAL MOTORS CORP.

3. Remove the lid release switch (1) with a flat-bladed tool.
4. Disconnect the harness (2) from the switch.

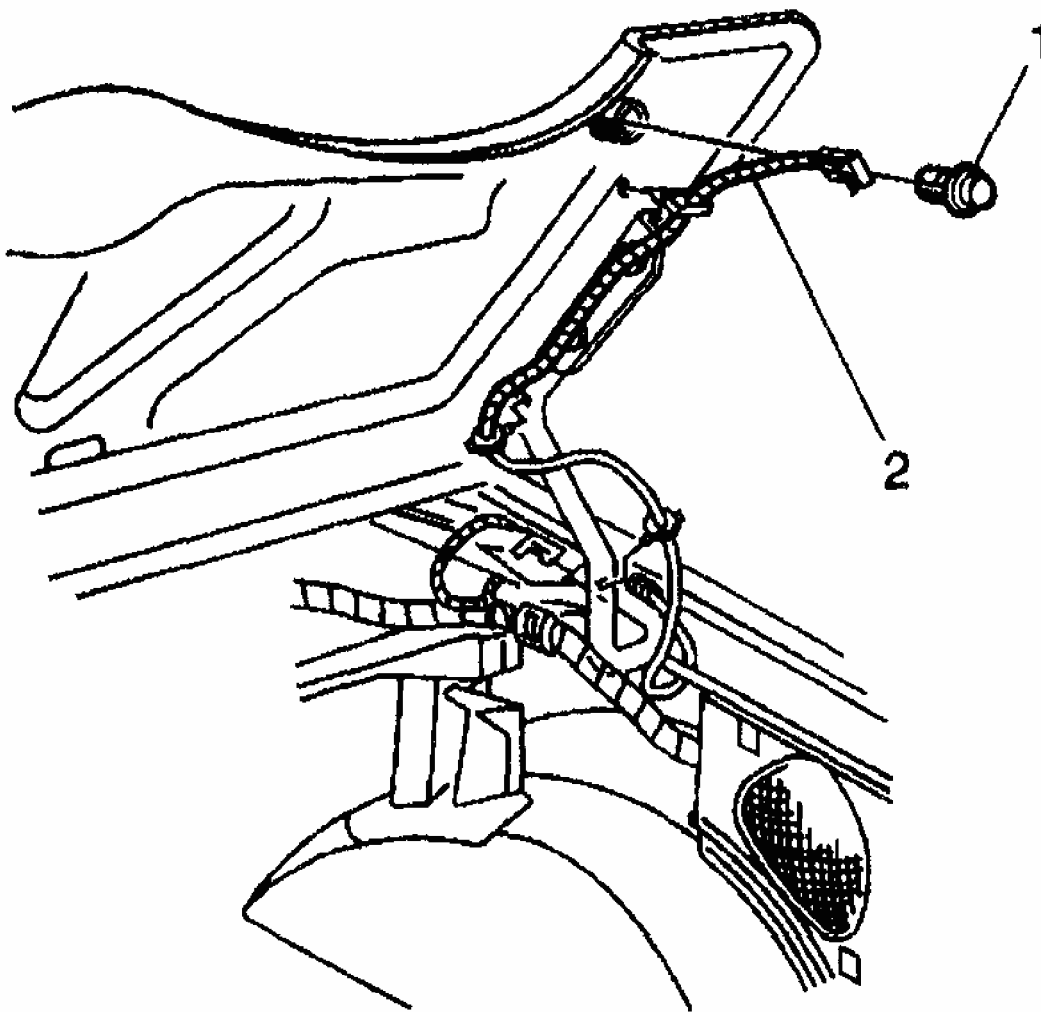


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Fig. 11: Disconnecting Harness Connector From Switch
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Connect the harness (2) to the lid release switch.
2. Align the electrical harness to the slot in the rear compartment lid.
3. Install the lid release switch to the rear compartment lid, pressing until fully seated.
4. Check for the proper operation of the lid switch.
5. Position the folding top to the original position.



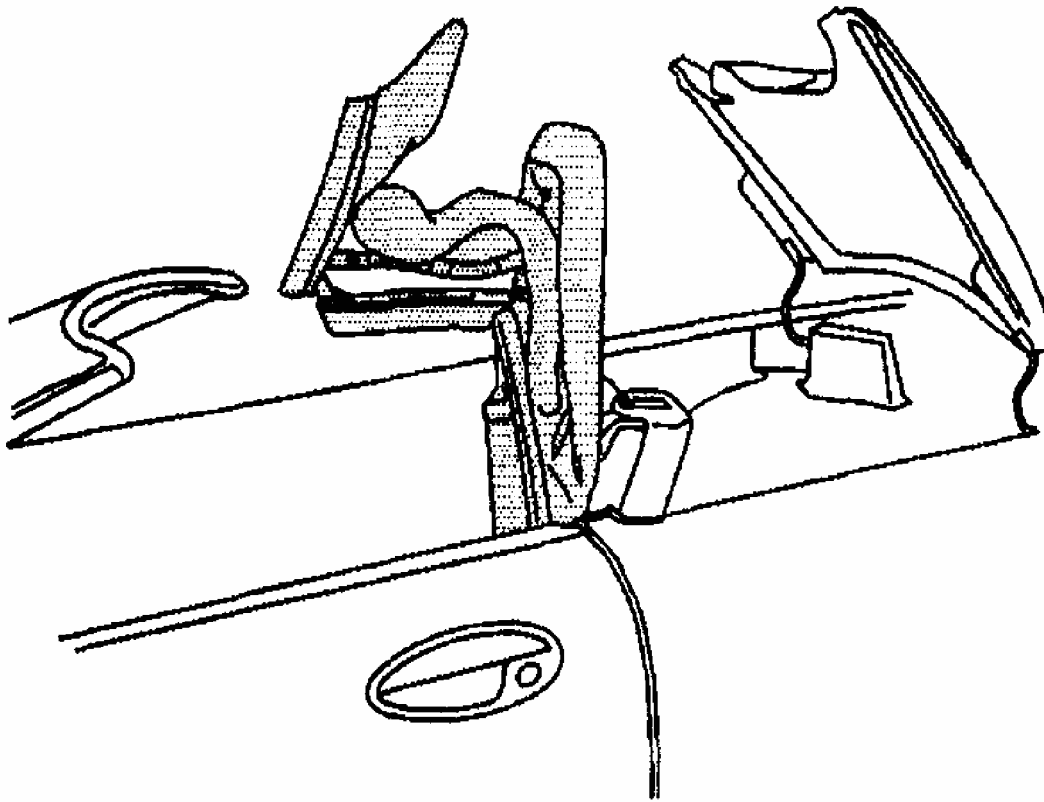
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Fig. 12: Connecting Harness To Lid Release Switch
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP STOWAGE COMPARTMENT LID LATCH REPLACE

Removal Procedure

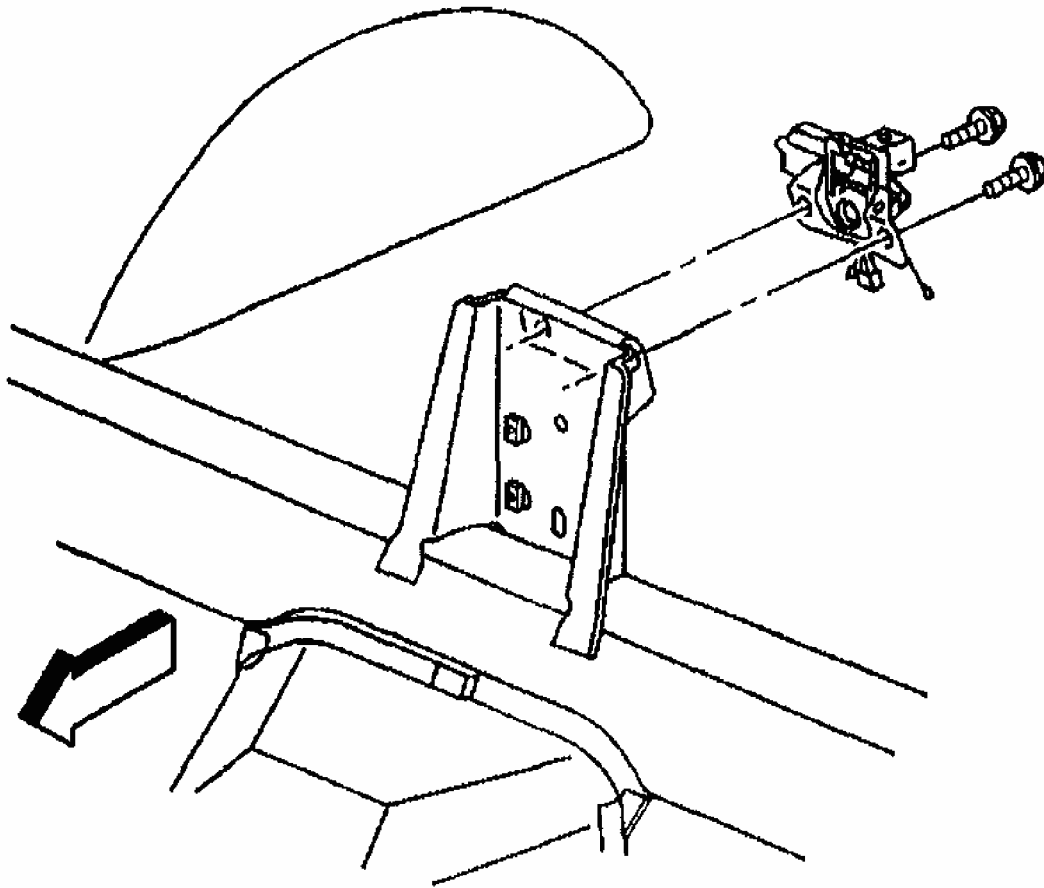
1. Position the top with the #1 bow and the #5 bow up.
2. Refer to **COMPARTMENT LID EXTENSION - FOLDING TOP STOWAGE** in Interior Trim.
3. Disconnect the electrical connector from the latch.



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Fig. 13: Folding Top
Courtesy of GENERAL MOTORS CORP.

4. Remove the latch bolts from the latch retainer.
5. Remove the latch.



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Fig. 14: Latch Bolts & Latch Retainer
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

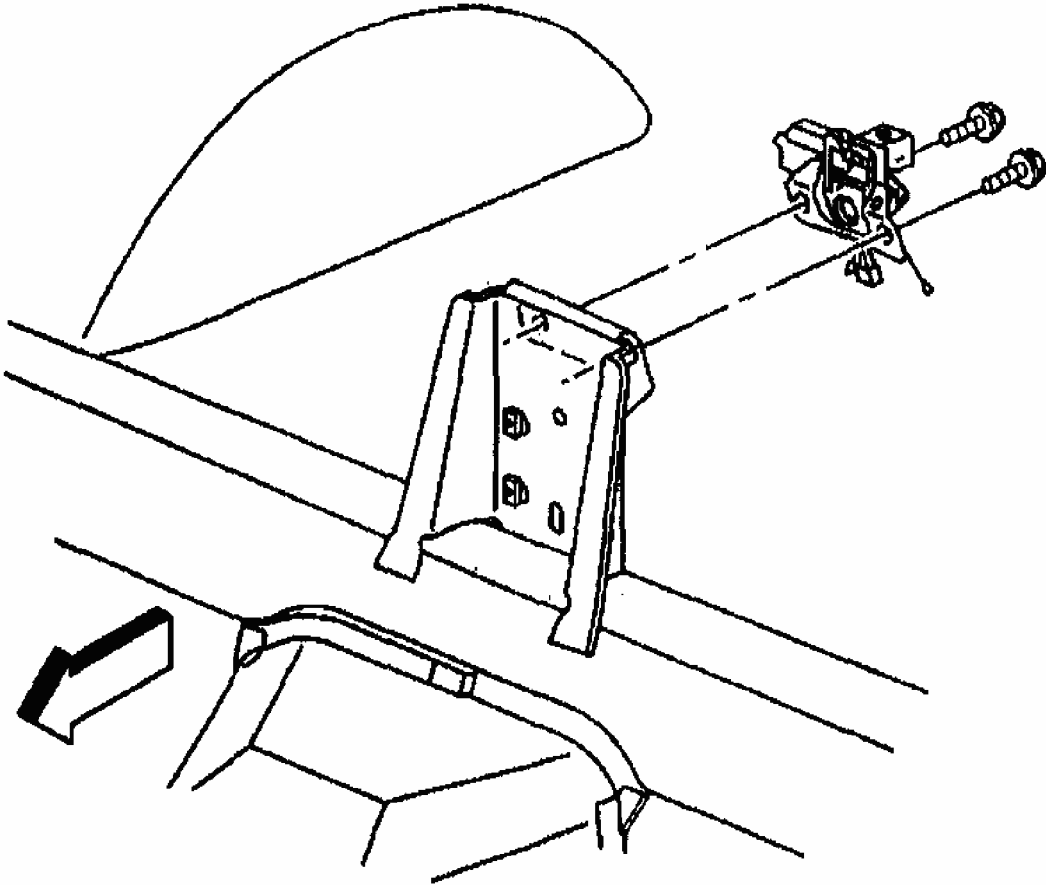
1. Position the latch to the retainer and finger-tighten the bolts.
2. Adjust the latch using the following procedures:
 - Adjust the latch up or down to make the lid flush.
 - Adjust the latch side to side gap from the lid to the quarter panels.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

- Tighten the latch bolts.

Tighten

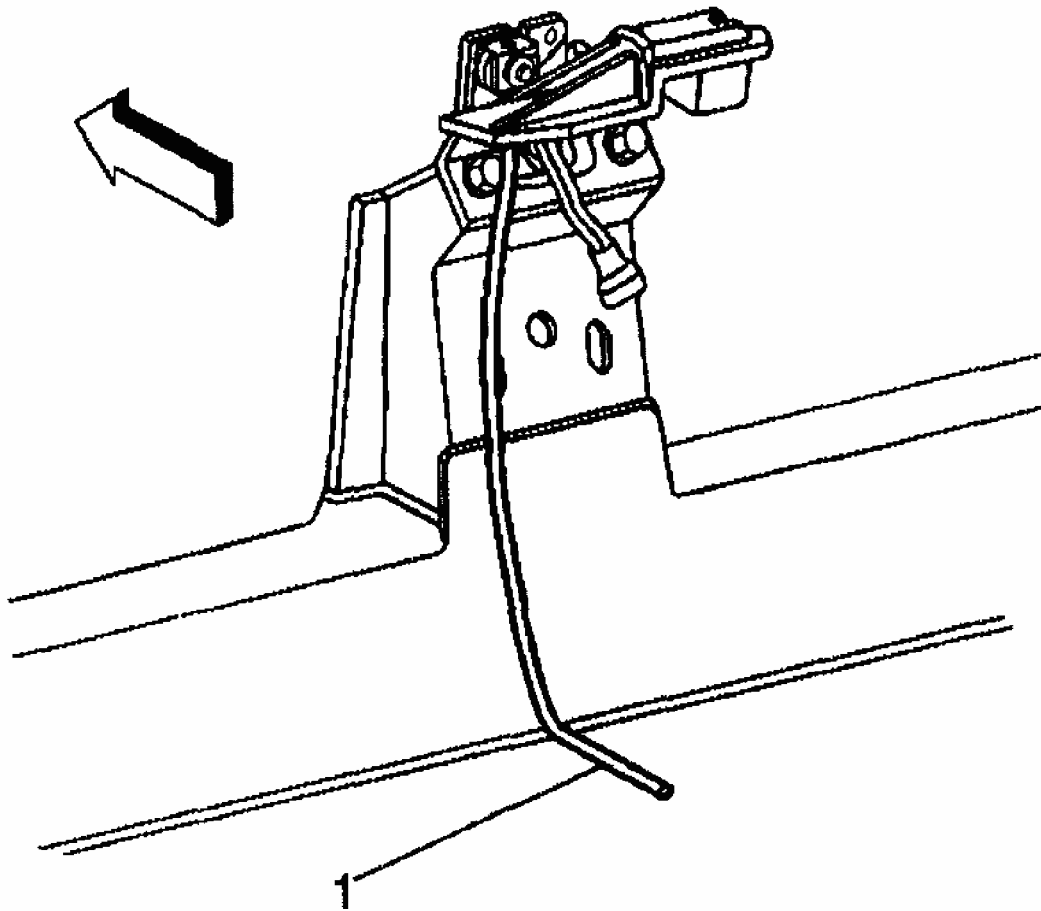
Tighten the bolts to 10 N.m (89 lb in).



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Fig. 15: Installing Latch To Retainer
Courtesy of GENERAL MOTORS CORP.

- Connect the electrical connector to the latch.
- Route the manual release cable down over the intermediate carpet. Position the end of the cable on the rear floor carpet.
- Refer To **COMPARTMENT LID EXTENSION - FOLDING TOP STOWAGE** in Interior Trim.
- Close the lid and position the folding top to the original position.



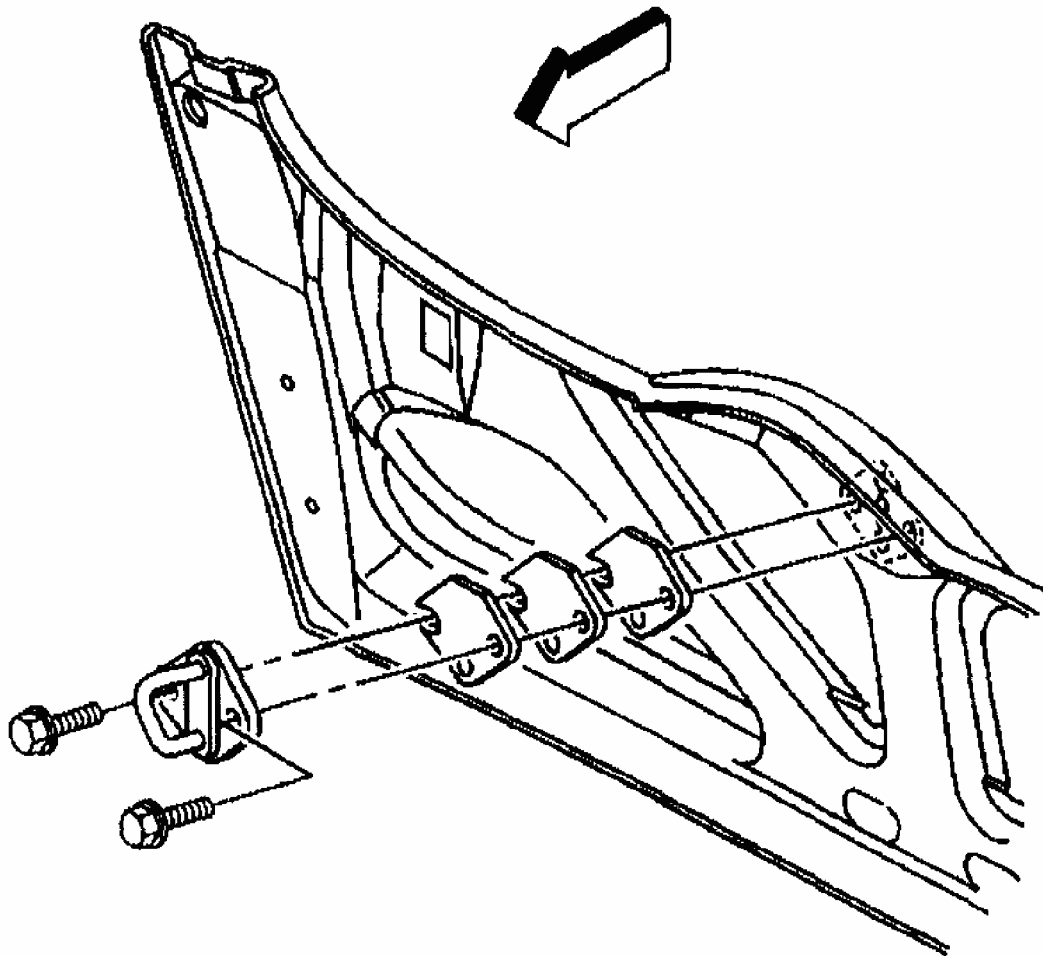
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Fig. 16: Connecting Electrical Connector To Latch
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP STOWAGE COMPARTMENT LID STRIKER

Removal Procedure

1. Open the folding top stowage compartment lid.
2. Remove the bolts attaching the striker to the lid.
3. Remove the striker and the shims.



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Fig. 17: Striker & Shims
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Position the striker and the shims to the lid with the arrow on the striker pointed downward.

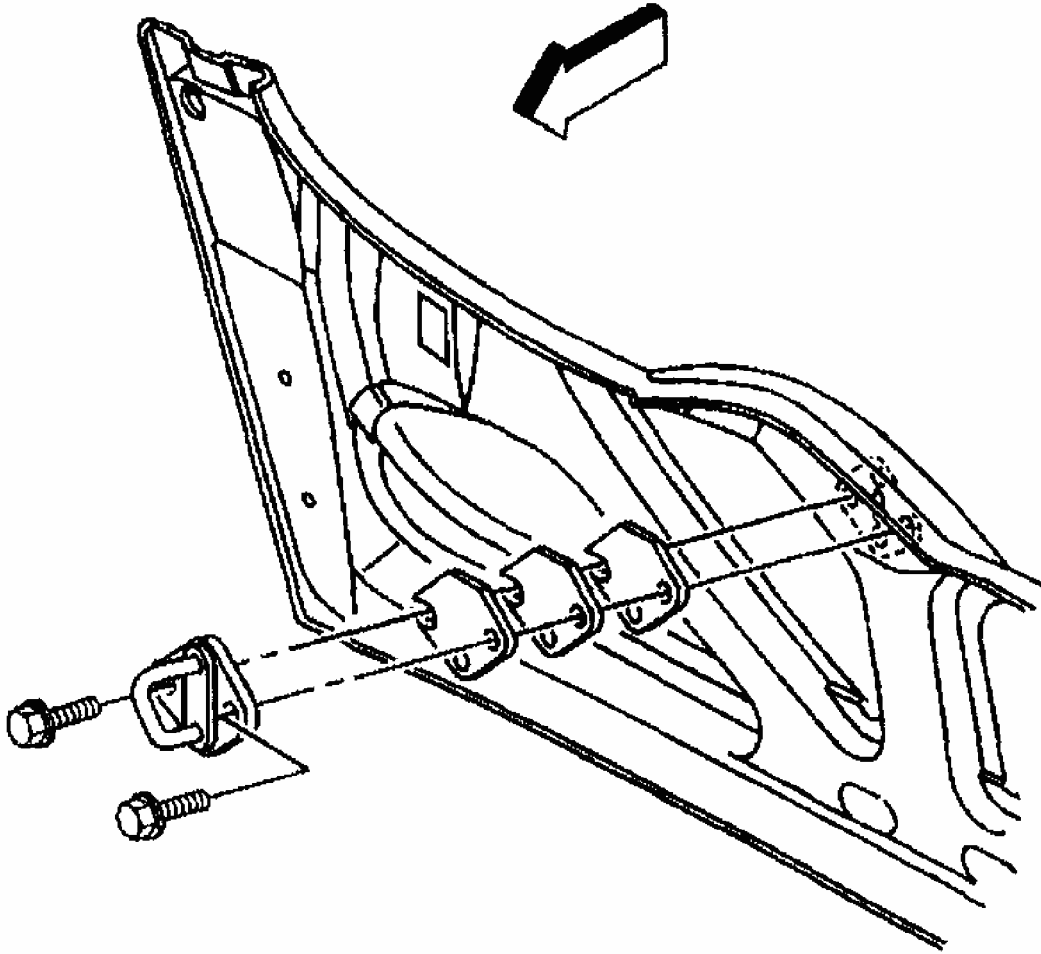
NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

2. Install the bolts attaching the striker, beginning with the driver side bolt.

Tighten

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

3. Inspect the operation of the compartment lid.
4. Close the compartment lid.



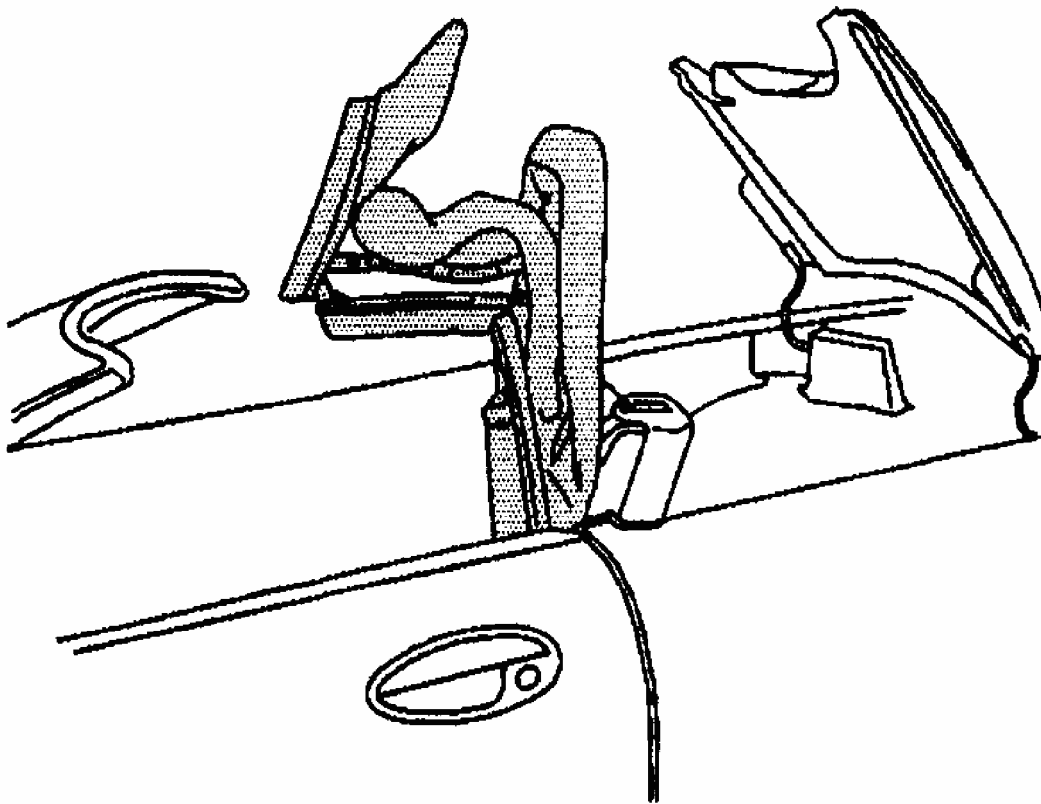
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Fig. 18: Striker & Shims
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP COVER RETAINER REPLACEMENT - NUMBER ONE BOW

Removal Procedure

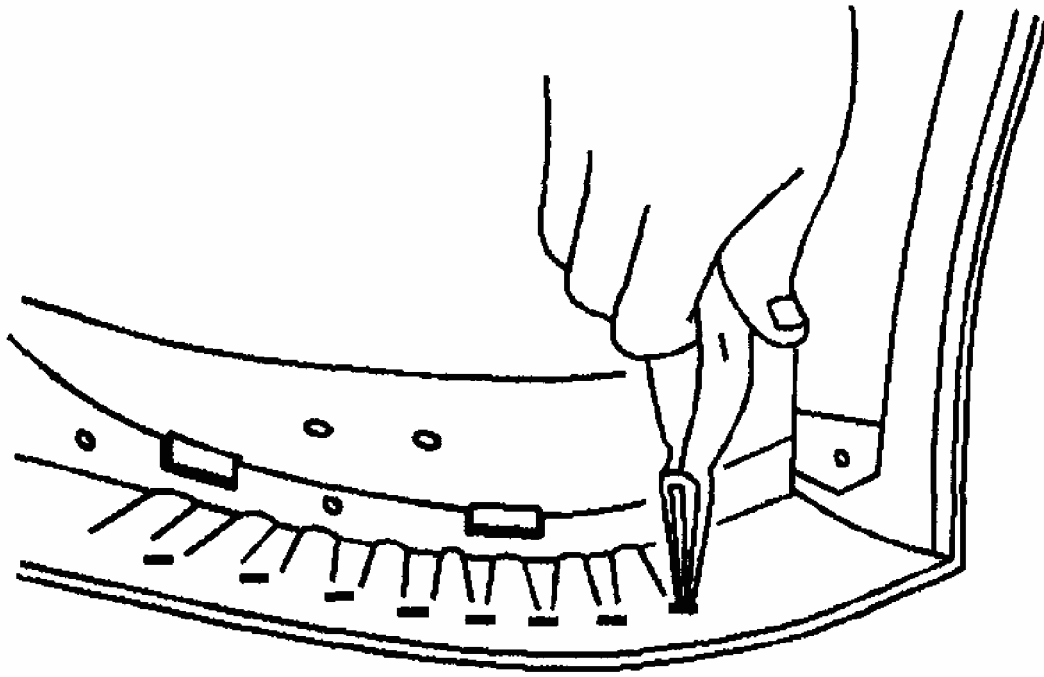
1. Position the folding top with the #1 and #5 bow up.



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Fig. 19: Folding Top
Courtesy of GENERAL MOTORS CORP.

2. Remove the seal compression panel. Refer to **FOLDING TOP SEAL COMPRESSION PANEL REPLACEMENT** .
3. Use a pair of needle nose pliers to remove the top cover staples from the bow.



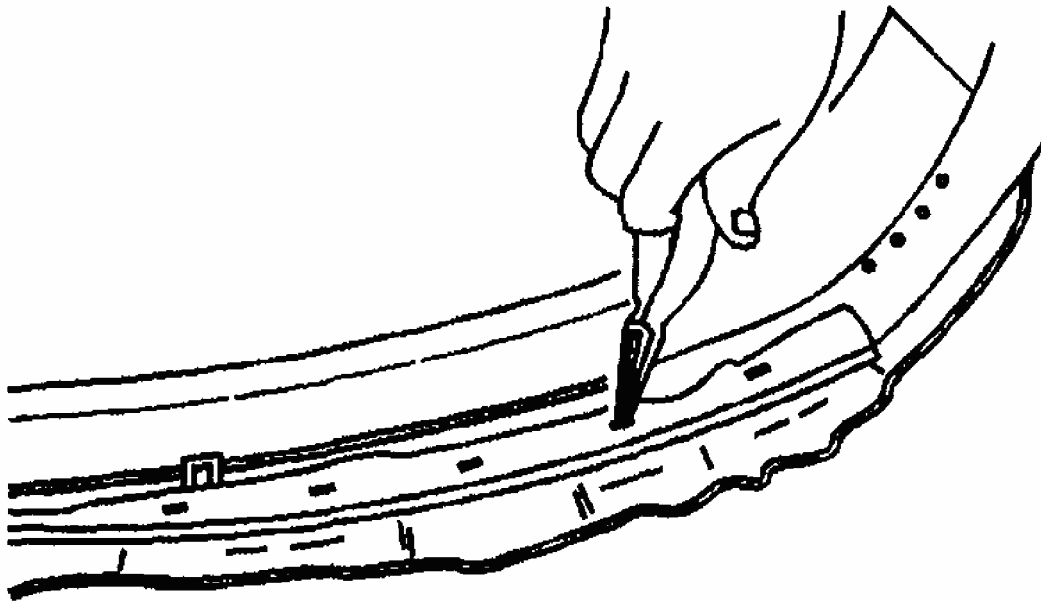
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Fig. 20: Top Cover Staples From Bow
Courtesy of GENERAL MOTORS CORP.

4. Use a pair of needle nose pliers to remove the headliner staples from the bow.

CAUTION: Refer to SAFETY GLASSES CAUTION in Cautions and Notices.

5. From the top of the bow, drill out the rivets from the top cover retainer.
6. Remove the top cover retainer.

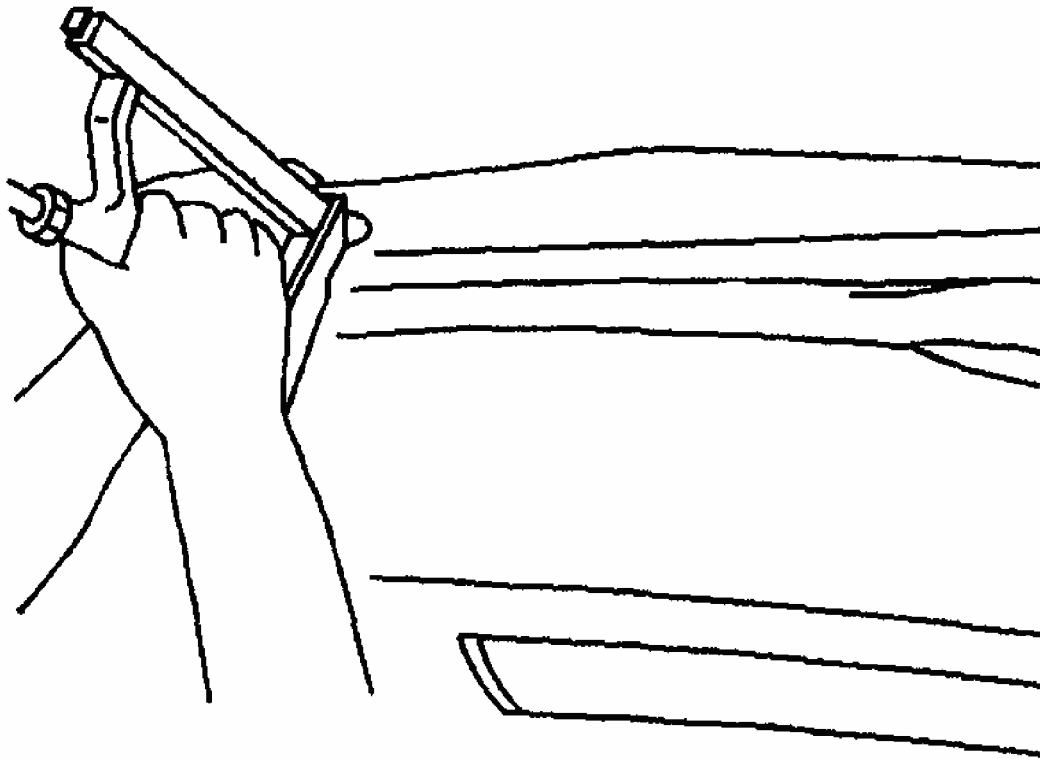


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Fig. 21: Headliner Staples From Bow
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Install the top cover retainer to the #1 bow.
2. Using the rivets provided, push the shank of the rivet through the retainer. With an assistant install the rivet into the bow using a large tapered punch, hammer until the rivet is flush.
3. Staple the headliner to the bow.
4. Before stapling the top cover to the #1 bow, refer to **FOLDING TOP COVER TENSION ADJUSTMENT - FRONT**.
5. Return the folding top to the original position.



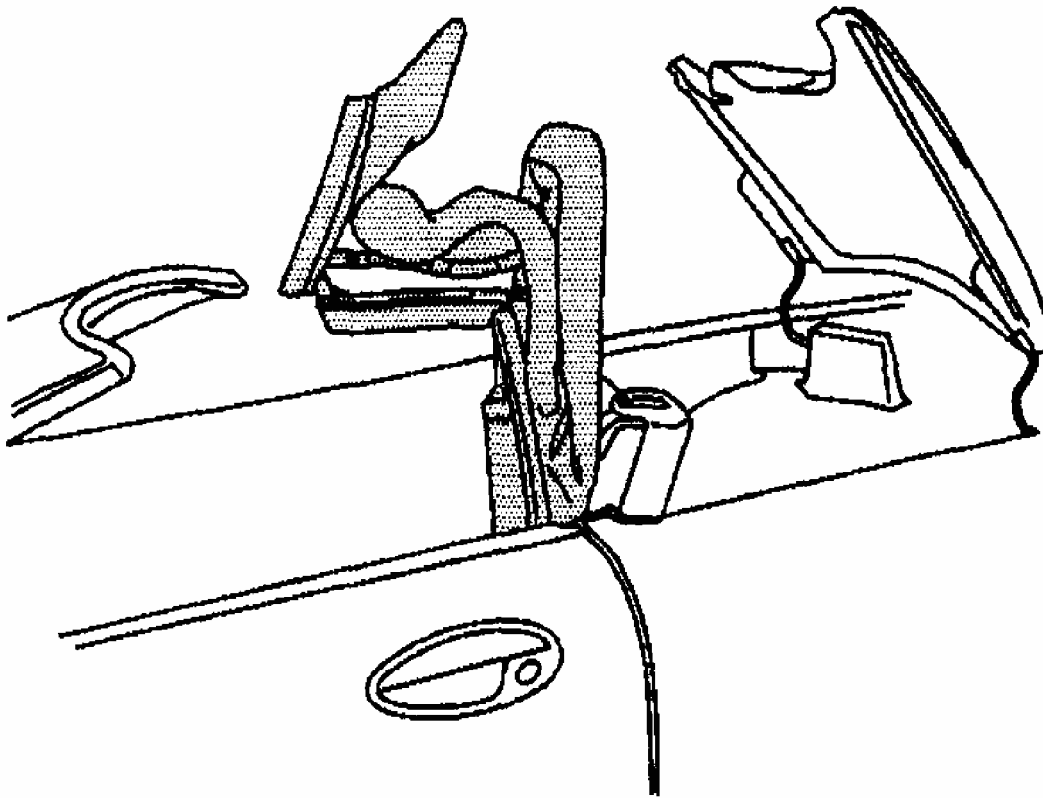
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Fig. 22: Rivets To Retainer
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP COVER RETAINER REPLACEMENT - NUMBER FIVE BOW

Removal Procedure

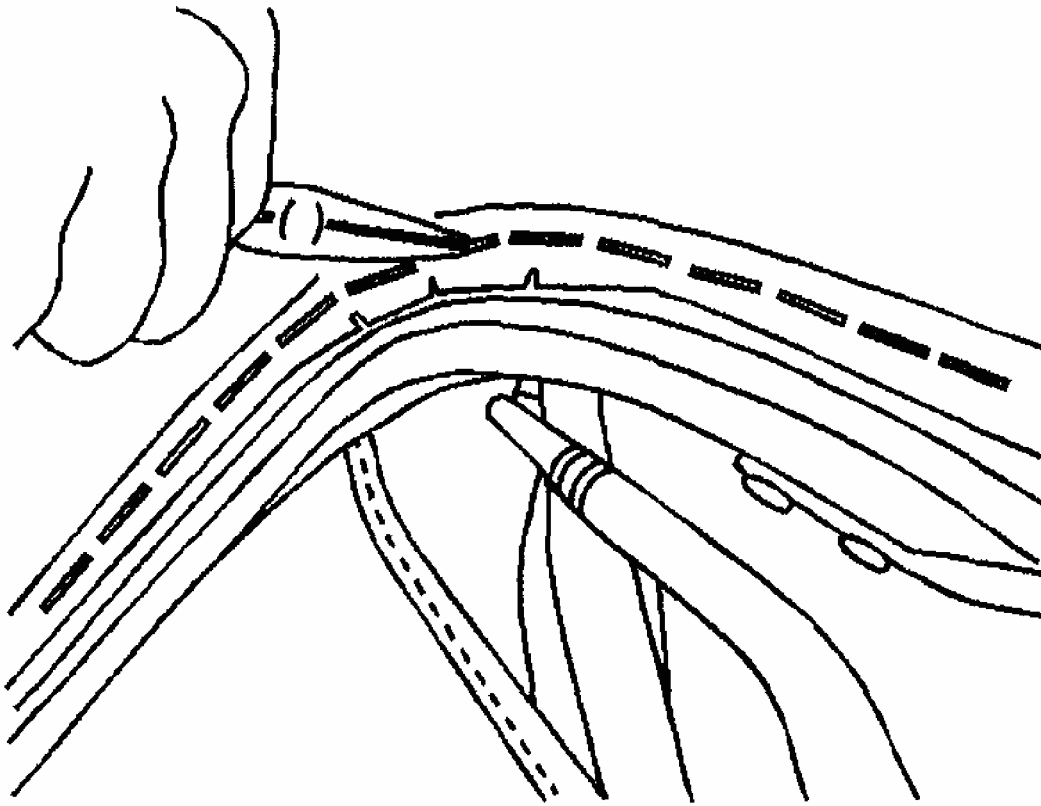
1. Position the folding top with the #1 and #5 bow up.
2. Remove the #5 bow weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .



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Fig. 23: Folding Top
Courtesy of GENERAL MOTORS CORP.

3. Use a pair of needle nose pliers to remove the top cover staples to the bow.



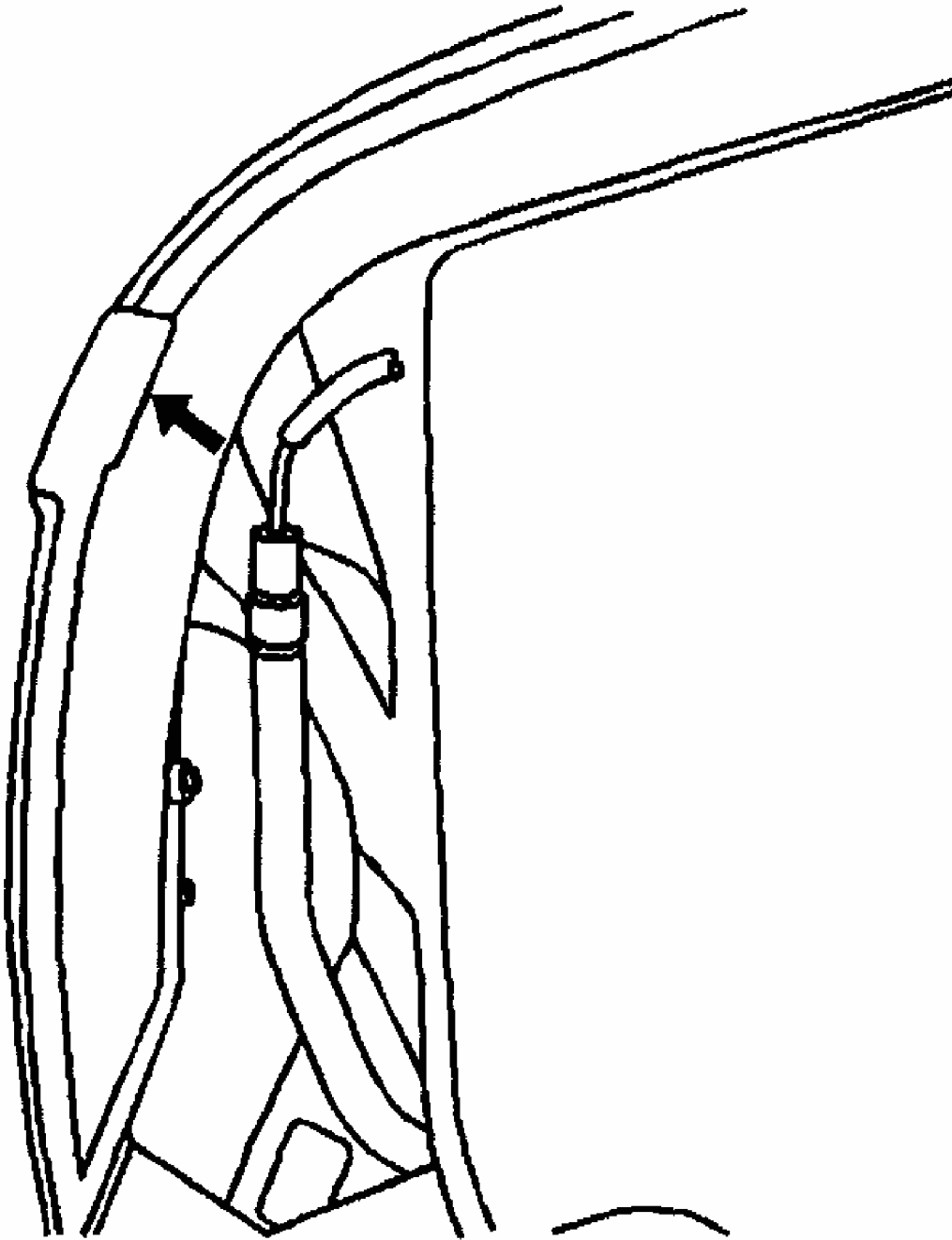
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Fig. 24: Top Cover Staples From Bow
Courtesy of GENERAL MOTORS CORP.

4. Pull top cover away from the bow.
5. Use a pair of needle nose pliers to remove the stay pad staples from the bow.

CAUTION: Refer to SAFETY GLASSES CAUTION in Cautions and Notices.

6. From the top of the bow, drill out the rivets from the top cover retainers.
7. Remove the top cover retainers.



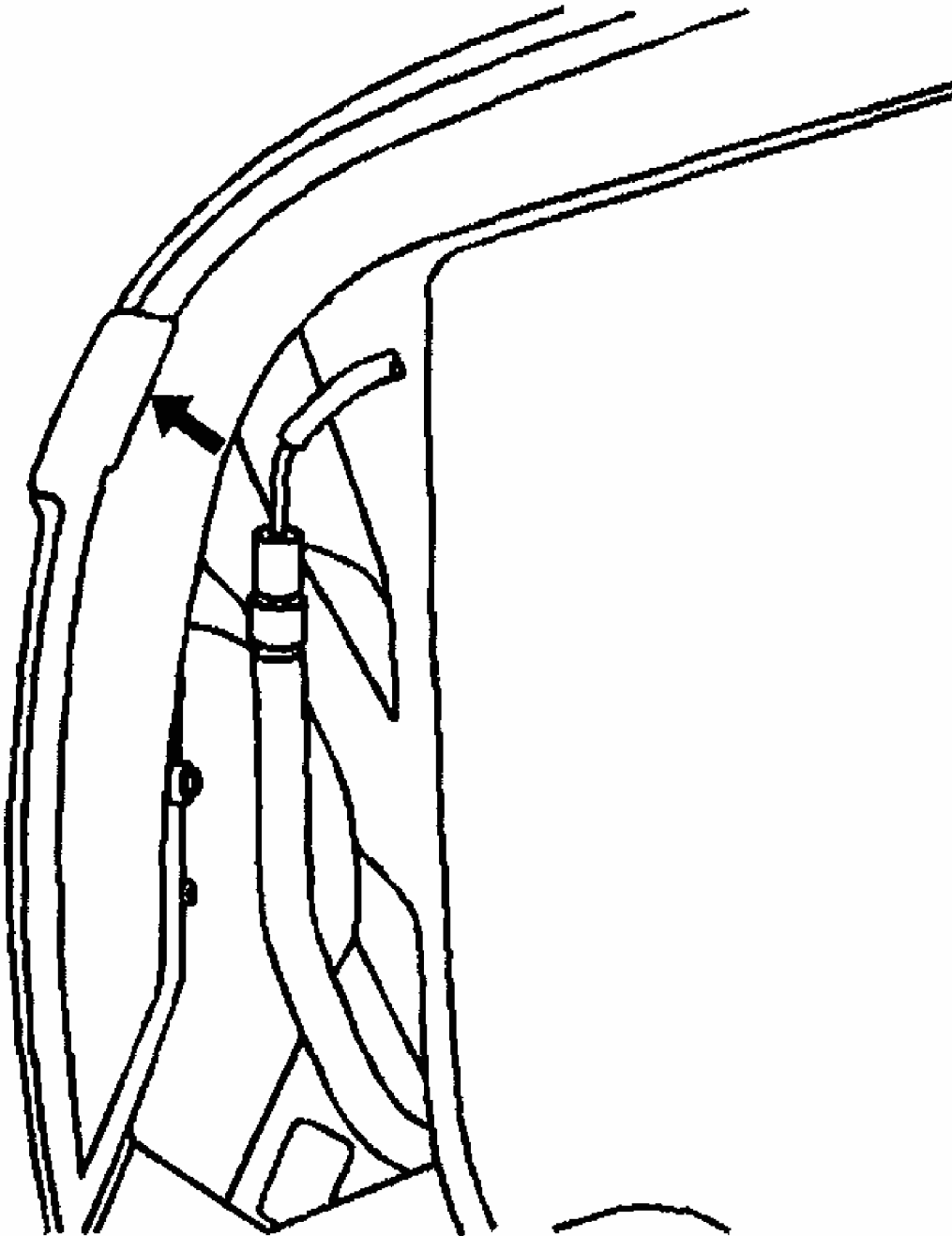
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Fig. 25: Top Cover Retainers
Courtesy of GENERAL MOTORS CORP.

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1. Install the top cover retainers to the #5 bow.
2. Using the rivets provided, push the shank of the rivet through the retainer. With an assistant install the rivet into the bow using a large tapered punch, hammer until the rivet is flush.
3. Staple the stay pad to the #5 bow.
4. Before stapling the top cover to the #5 bow, refer to ***FOLDING TOP COVER TENSION ADJUSTMENT - REAR*** .
5. Return the folding top to the original position.



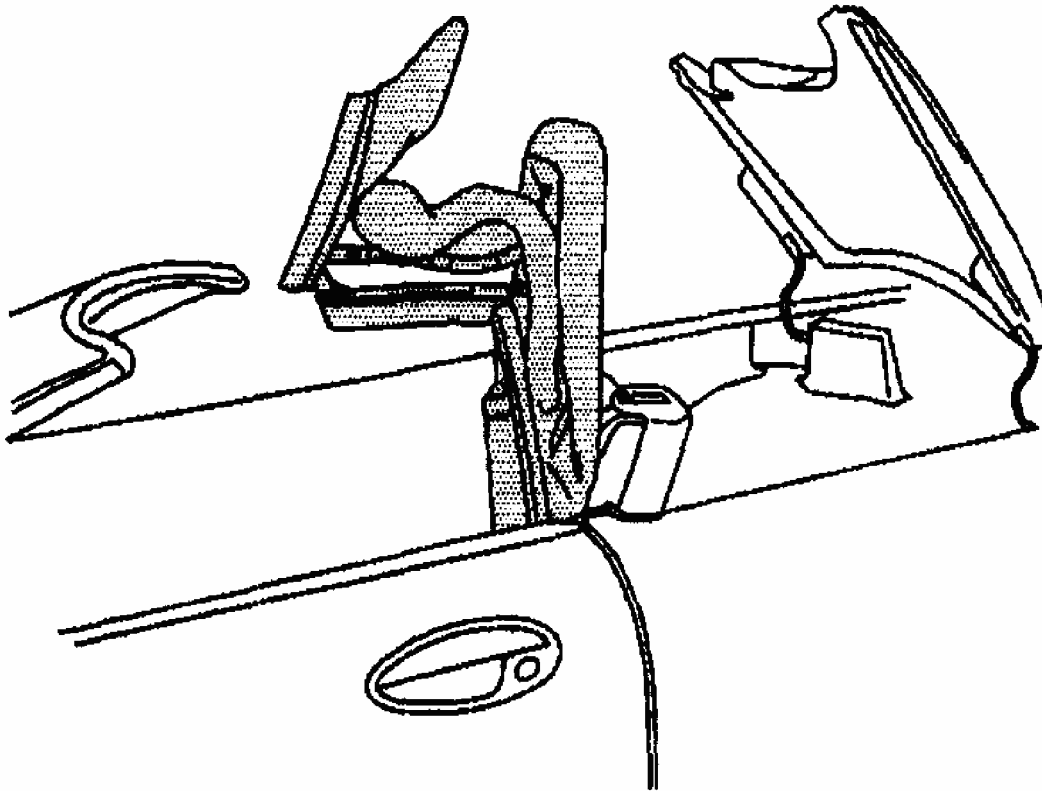
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Fig. 26: Top Cover Retainers
Courtesy of GENERAL MOTORS CORP.

Pressure Link- Five Bow Pressure on Stowage Lid

Adjust the lower pressure link to change the #5 bow pressure to the stowage compartment lid.

- Decrease the pressure if the top material is contacting and marring the lid.
 - Increase the pressure if water is leaking between the top and the lid.
1. Position the folding top with the #1 bow and the #5 bow up.



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Fig. 27: Positioning Folding Top With #1 Bow & #5 Bow Up
Courtesy of GENERAL MOTORS CORP.

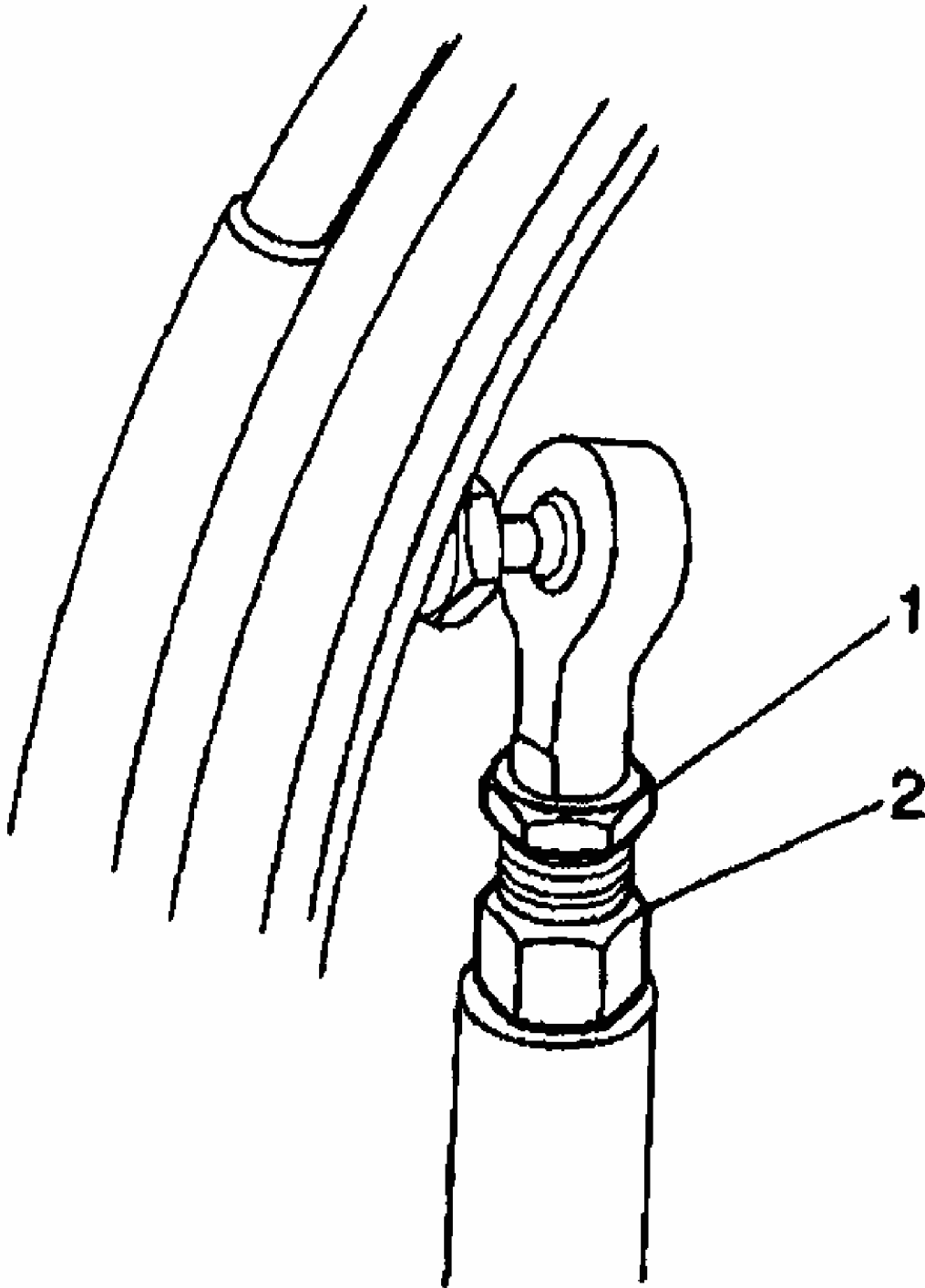
Important: The jam nuts are left handed thread.

2. Loosen the jam nut (1) on the pressure link where the adjuster attaches to the #5 bow.
3. Mark the pressure link large adjustment nut (2) to aid in determining the amount of adjustment.
4. Adjust the pressure link by rotating the large adjustment nut one turn at a time.

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Rotate the nut clockwise to increase the downward pressure of the #5 bow on the stowage lid. Turn the nut counter clockwise to decrease the downward pressure.



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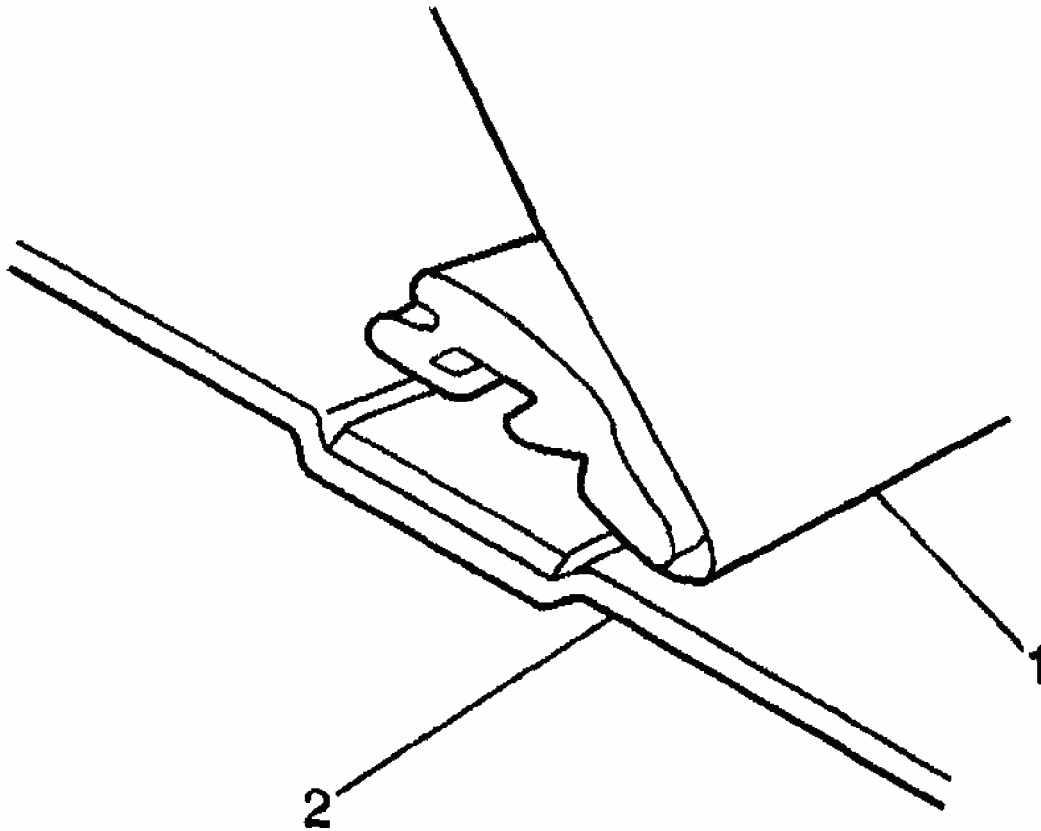
Fig. 28: Loosening Jam Nut On Pressure Link Where Adjuster Attaches To #5 Bow

Courtesy of GENERAL MOTORS CORP.

5. Raise the top.
6. Check the gap between the lid (2) and the #5 bow top cover material (1).

The gap between the lid and the top material should be 2-3 mm (0.08-0.12 in).

The gap between the five bow top material and the lid should be the same all the way across.



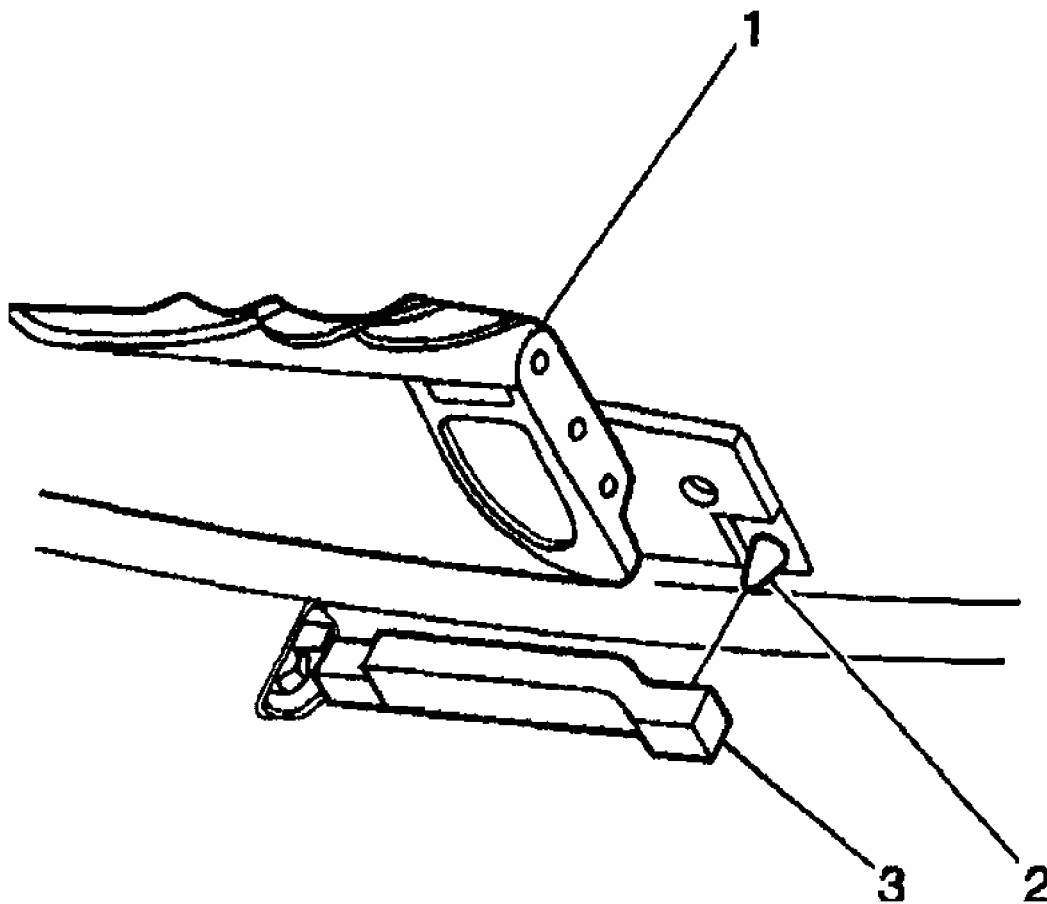
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Fig. 29: Checking Gap Between Five Bow Top Material & Lid
Courtesy of GENERAL MOTORS CORP.

7. Check the alignment of the front latch pins (2) with their receivers (3).

The front latch pins should be aligned so that when the top is raised the pins drop into the receivers.

8. Lower the top and re-adjust the pressure link as necessary.



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Fig. 30: Checking Alignment Of Front Latch Pins With Receivers
Courtesy of GENERAL MOTORS CORP.

9. Position the folding top with the #1 bow and the #5 bow up.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

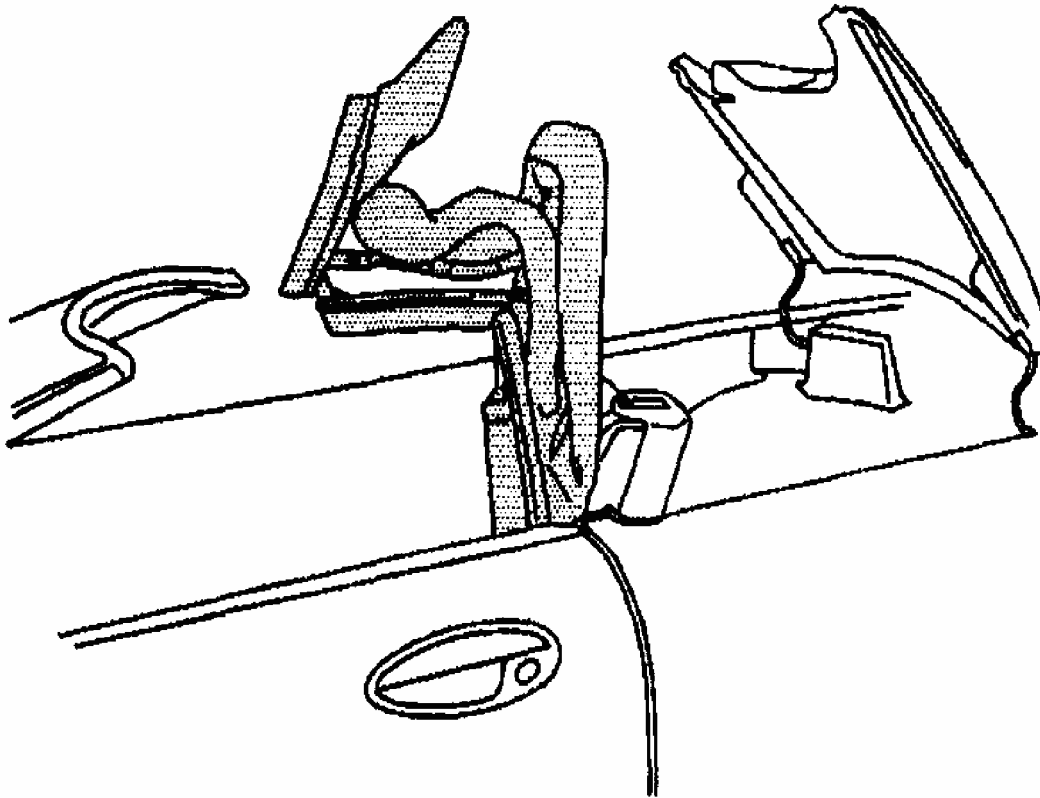
10. Tighten the jam nut.

Tighten

Tighten the nut to 50 N.m (37 lb ft).

11. Raise and close the folding top.
12. Water test the folding top.

13. Re-adjust the pressure link if necessary.



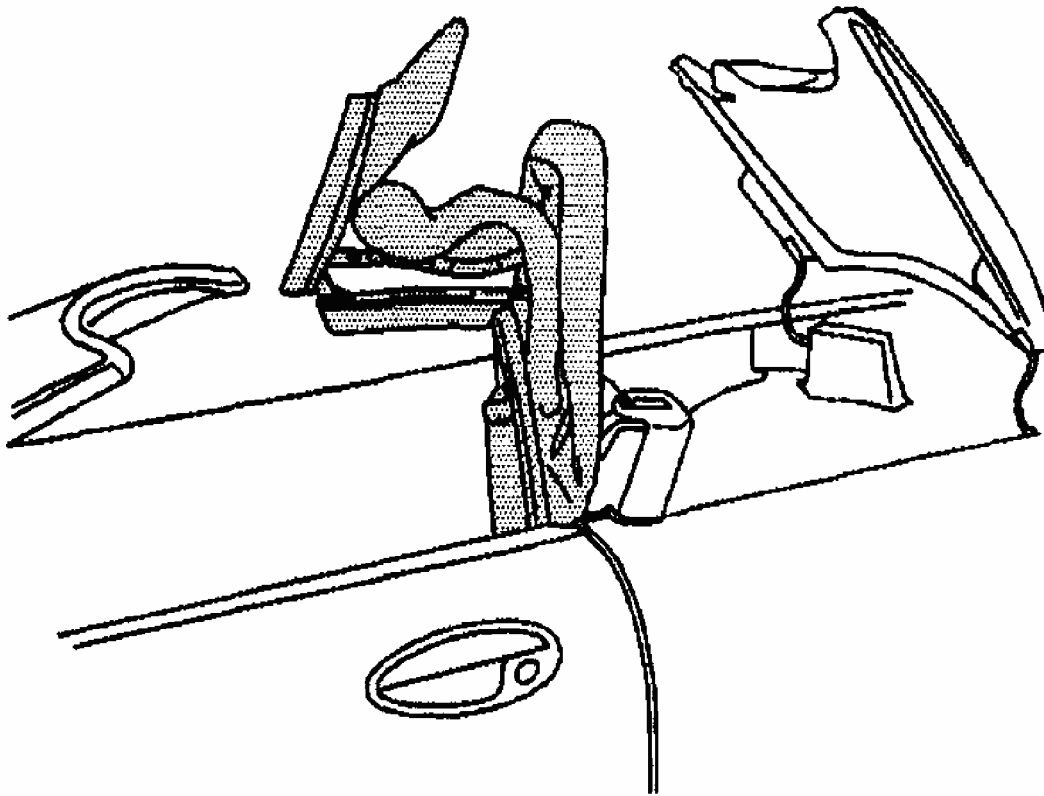
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Fig. 31: Raising & Closing Folding Top
Courtesy of GENERAL MOTORS CORP.

Side Rail-Top of Door Window Contacting Top Fabric

To eliminate the top center of the window from hooking under the roof material adjust the knurled nut between the front and center side rails to increase the amount of bow in the side of the top.

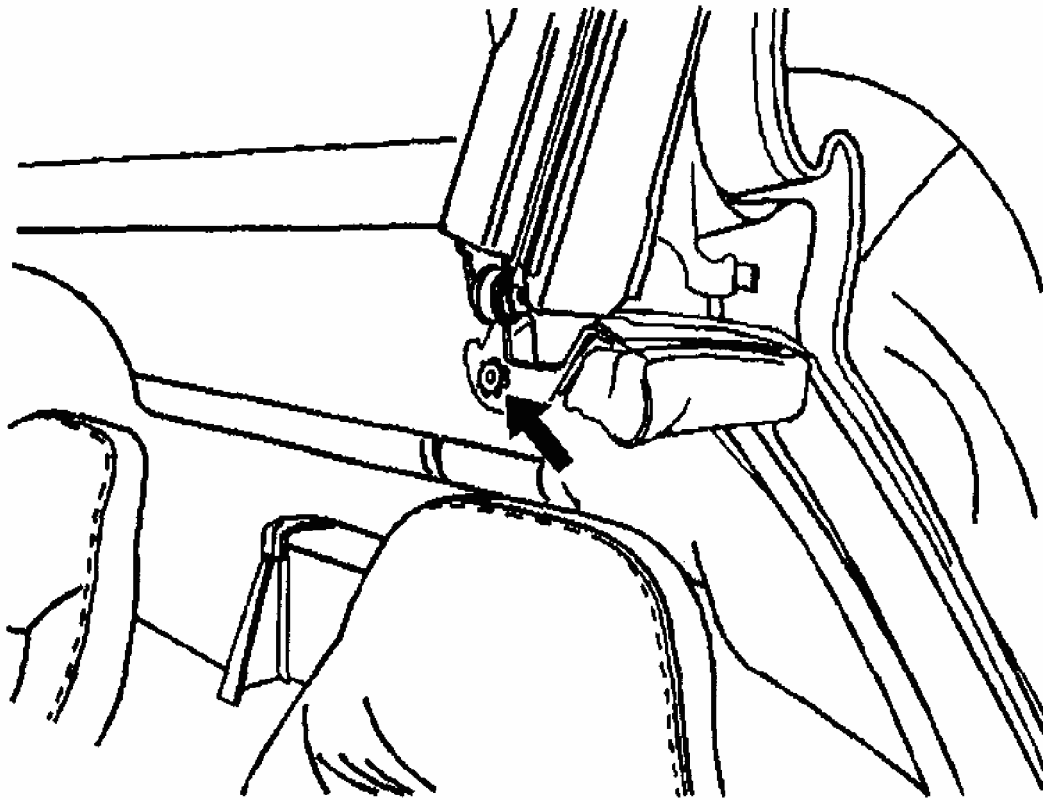
1. Position the top with the #1 and #5 bow up.



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Fig. 32: Positioning Folding Top With #1 & #5 Bow Up
Courtesy of GENERAL MOTORS CORP.

2. Adjust the knurled nut outward to increase the bow in the roof.
3. Raise the top and check the window clearance. The window, in a full up position, should not contact the top material when opening and closing the door.
4. Lower and re-adjust the top using the knurled nut as necessary.
5. Raise and close the folding top.
6. Water test the folding top.
7. Adjust the window if necessary. Refer To **WINDOW TIP-IN ADJUSTMENT - DOOR** in Doors.



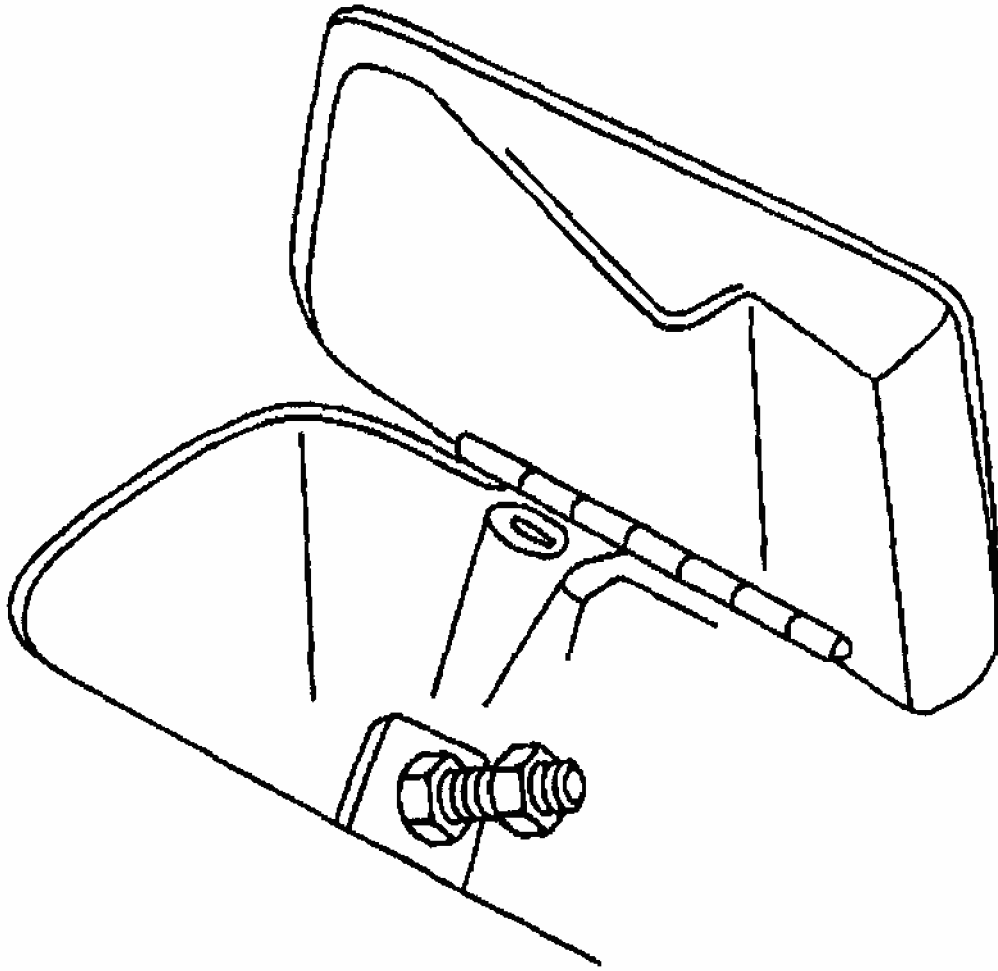
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Fig. 33: Adjusting Knurled Nut Outward To Increase Bow In Roof
Courtesy of GENERAL MOTORS CORP.

Rear Side Rail-Loose Fabric

To tighten the roof material, adjust the rear side rail rearward.

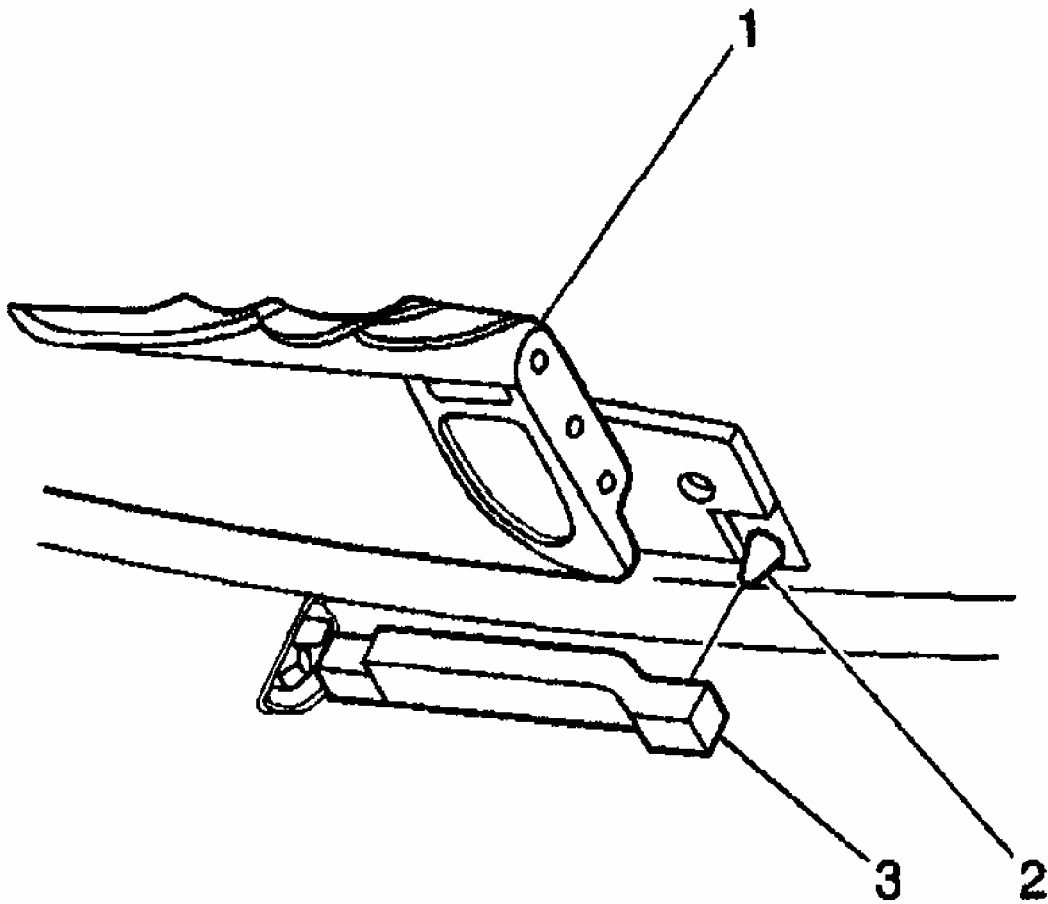
1. Lower the folding top.
2. Open the small cover/door on top of the lock pillar to access the adjuster.
3. Loosen the adjuster jam nut.
4. Mark the adjuster nut to aid in determining the amount of adjustment.
5. Loosen the adjuster nut one turn at a time.
6. Raise the top and check the top material for tightness.



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Fig. 34: Opening Small Cover/Door On Top Of Lock Pillar To Access Adjuster
Courtesy of GENERAL MOTORS CORP.

7. Check the alignment of the front latch pins (2) with their receivers. The front latch pins should be aligned so that when the top is raised the pins drop into the receivers.



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Fig. 35: Checking Alignment Of Front Latch Pins With Their Receivers
Courtesy of GENERAL MOTORS CORP.

8. Lower and re-adjust the top using the adjuster as necessary.

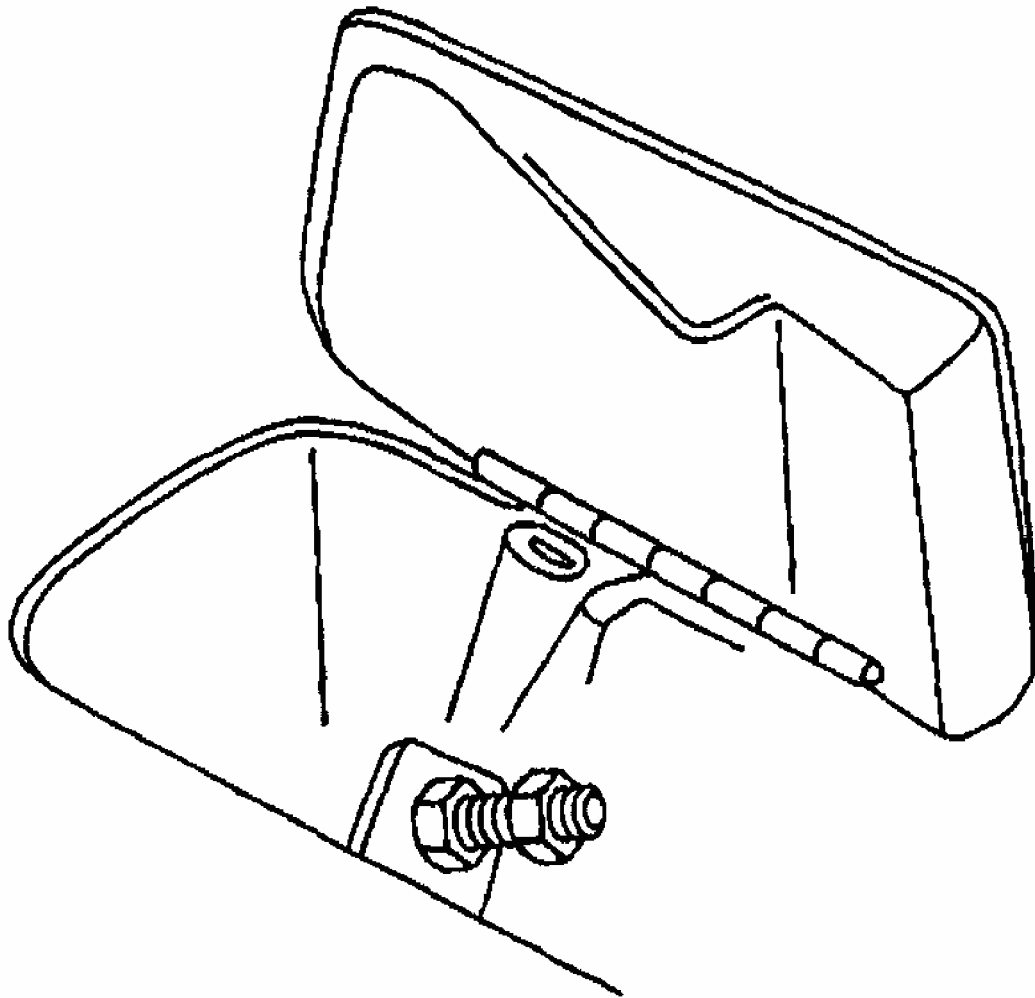
NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

9. Tighten the jam nut.

Tighten

Tighten the nut to 50 N.m (37 lb ft).

10. Water test the folding top.

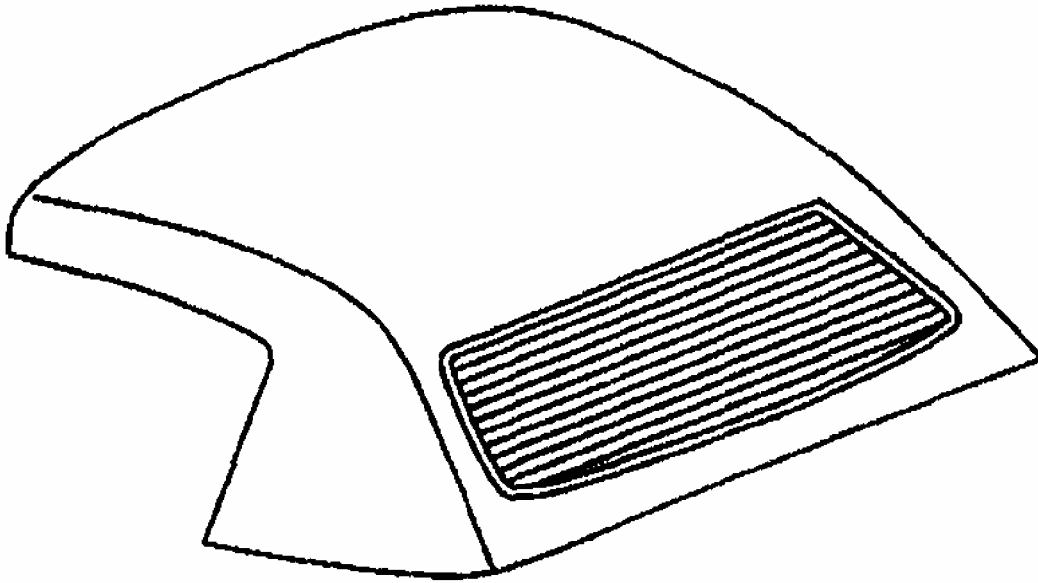


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**Fig. 36: Small Cover/Door On Top Of Lock Pillar
Courtesy of GENERAL MOTORS CORP.**

FOLDING TOP COVER TENSION ADJUSTMENT - FRONT

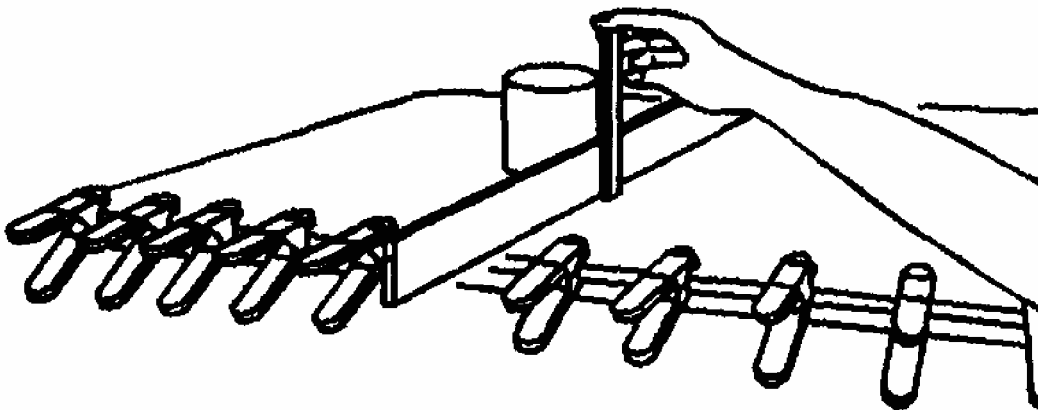
1. Close the convertible top.



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Fig. 37: Closing Convertible Top
Courtesy of GENERAL MOTORS CORP.

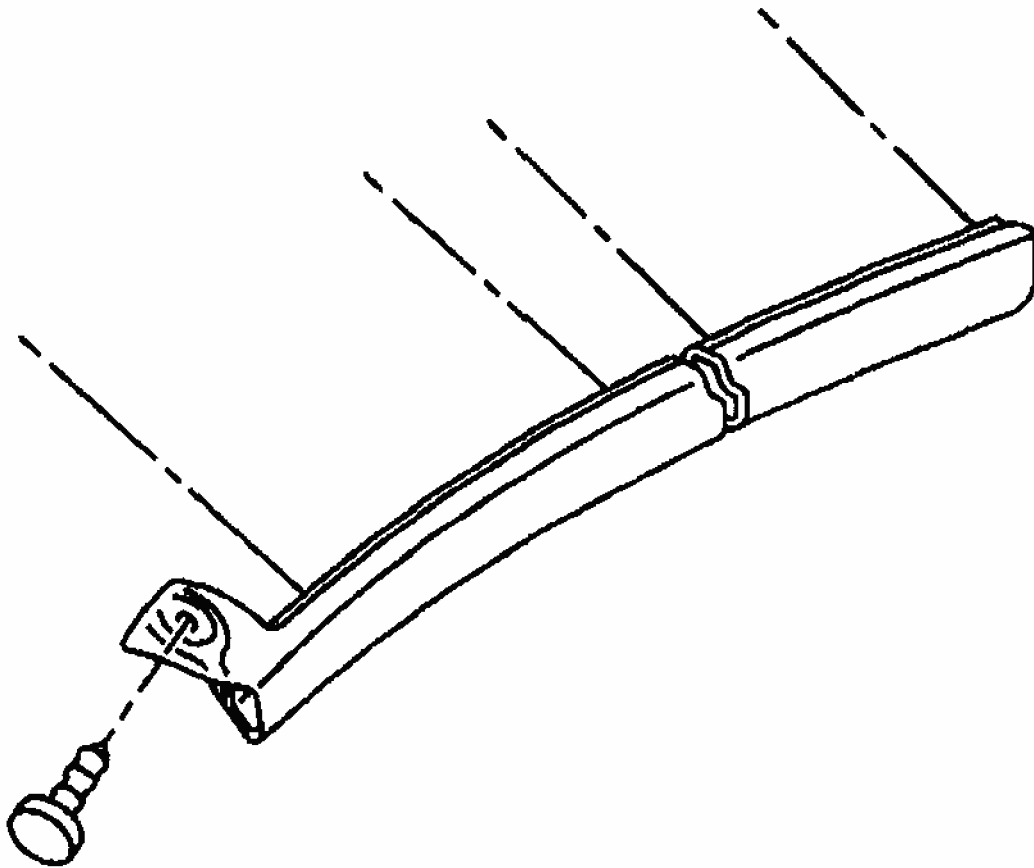
2. Verify the tension in the folding top cover by setting a 1 M (3.28 ft) straight edge on the top cover between the #1 and the #2 bows.



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Fig. 38: Checking Tension In Folding Top Cover
Courtesy of GENERAL MOTORS CORP.

3. Set a 4.5 kg (10 lb) weight next to the straight edge in the center of the top.
4. Using a ruler, measure the sag distance between the bottom of the straight edge and the top cover:
 - Cloth: 13-15 mm (0.51-0.60 in)
 - Vinyl: 17-20 mm (0.67-0.79 in)
5. If the tension does not meet these specifications, modify the tension by continuing with the following steps.
6. To modify the tension in the folding top cover, remove the folding top. Refer to **FOLDING TOP REPLACEMENT**
7. At the #1 bow, remove the weatherstrip screws from the right and from the left front side rail.

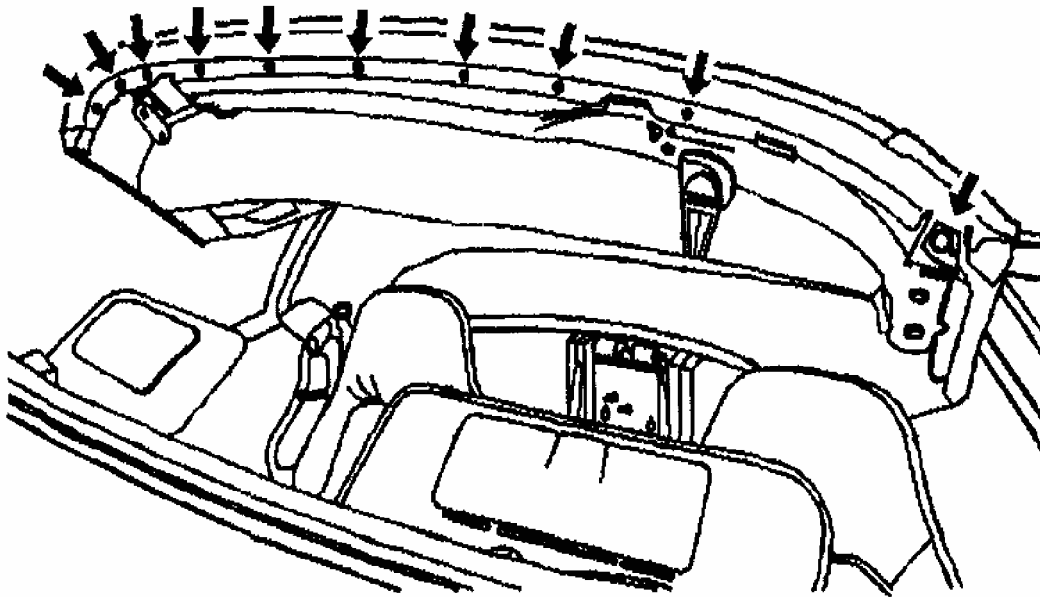


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Fig. 39: Weatherstrip Screws From Right & Left Front Side Rail
Courtesy of GENERAL MOTORS CORP.

8. Remove the screws from the seal compression panel.

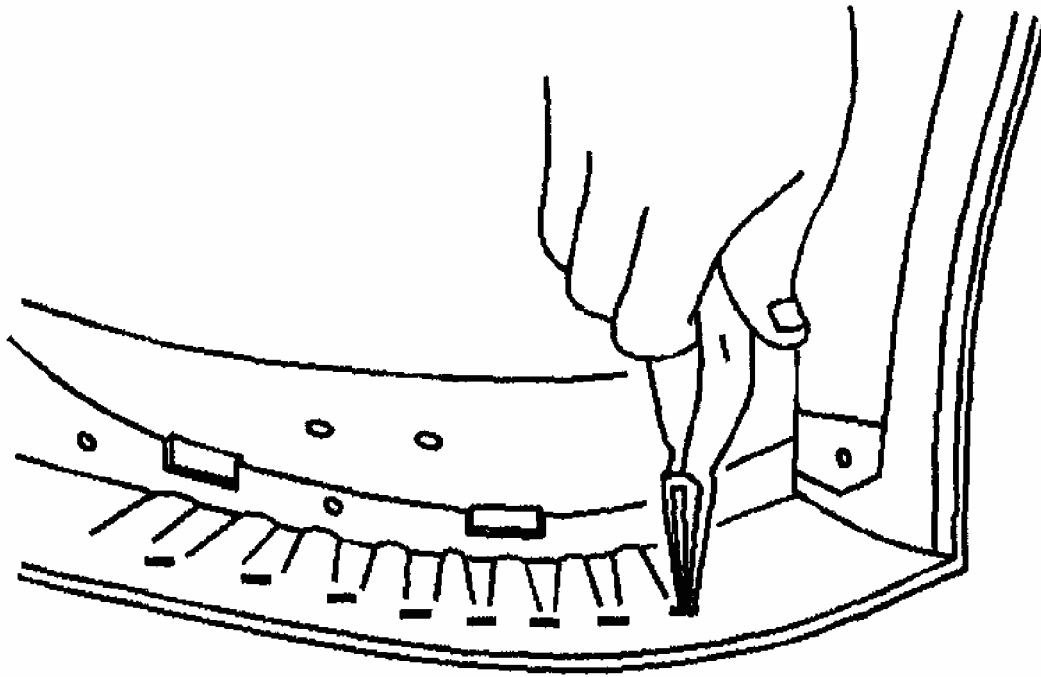
9. Remove the seal compression panel.



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Fig. 40: Seal Compression Panel
Courtesy of GENERAL MOTORS CORP.

10. Using a pair of needle nose pliers remove the top cover staples.
11. Pull the top cover forward to increase the tension.

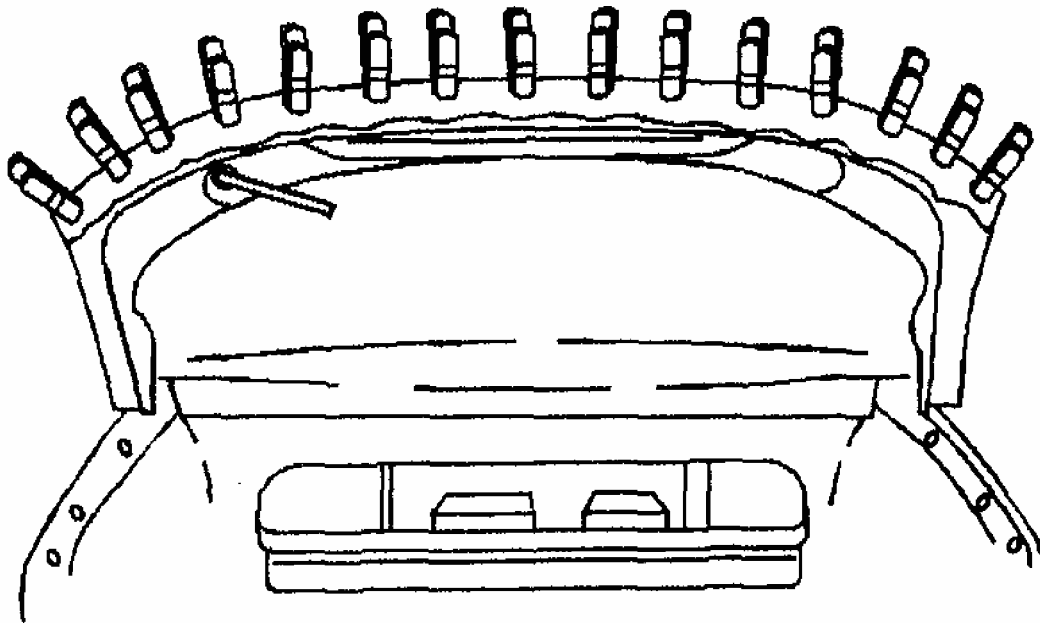


G01451354

Fig. 41: Top Cover Staples

Courtesy of GENERAL MOTORS CORP.

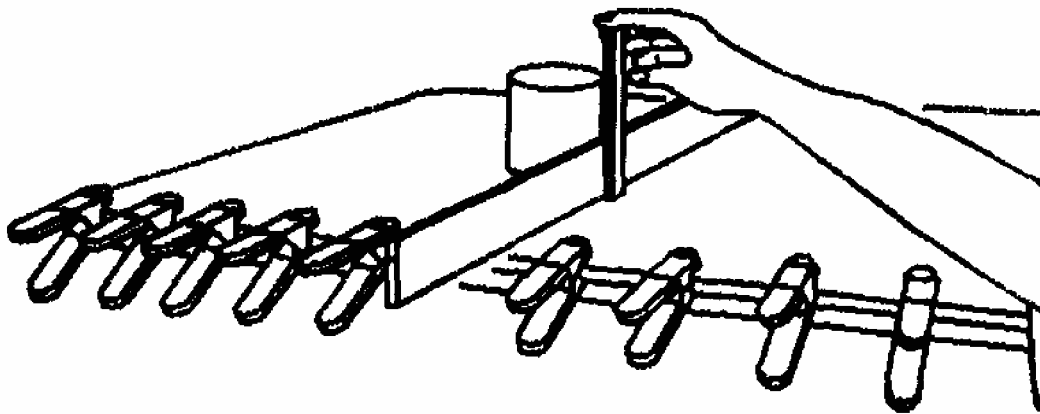
12. Fold the top cover over the #1 bow and secure with 5 cm (2 in) pinch clamps. Place the clamps directly over the steel rivets within the bow.



G01451355

Fig. 42: Placing Clamps Directly Over Steel Rivets Within Bow
Courtesy of GENERAL MOTORS CORP.

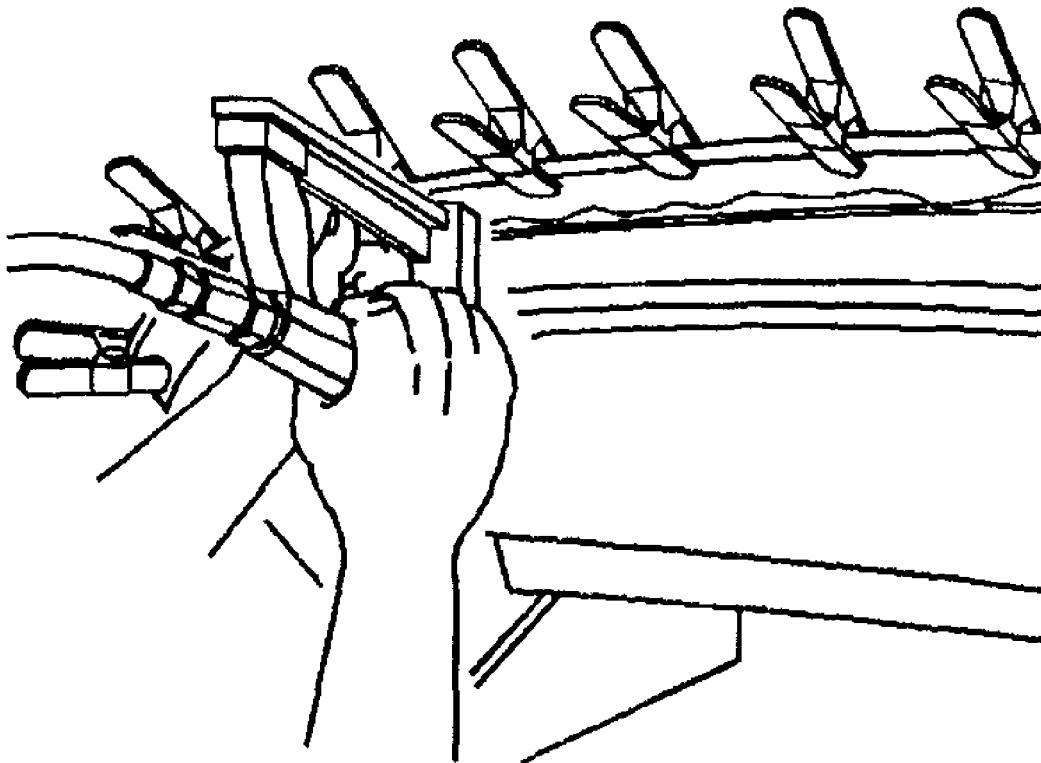
13. Using a ruler as before, verify the tension again and adjust the tension as necessary.



G01451356

Fig. 43: Checking Tension In Folding Top Cover
Courtesy of GENERAL MOTORS CORP.

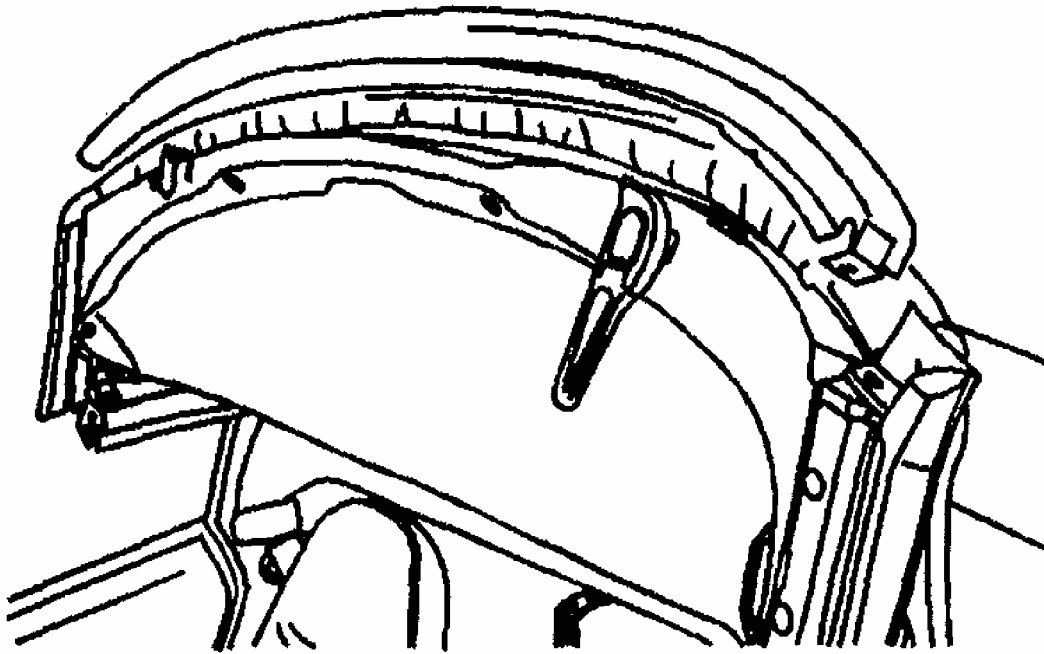
14. If the tension is correct, staple the top cover to the bow.



G01451357

Fig. 44: Stapling Top Cover To Bow
Courtesy of GENERAL MOTORS CORP.

15. Position the seal compression panel to the bow.



G01451358

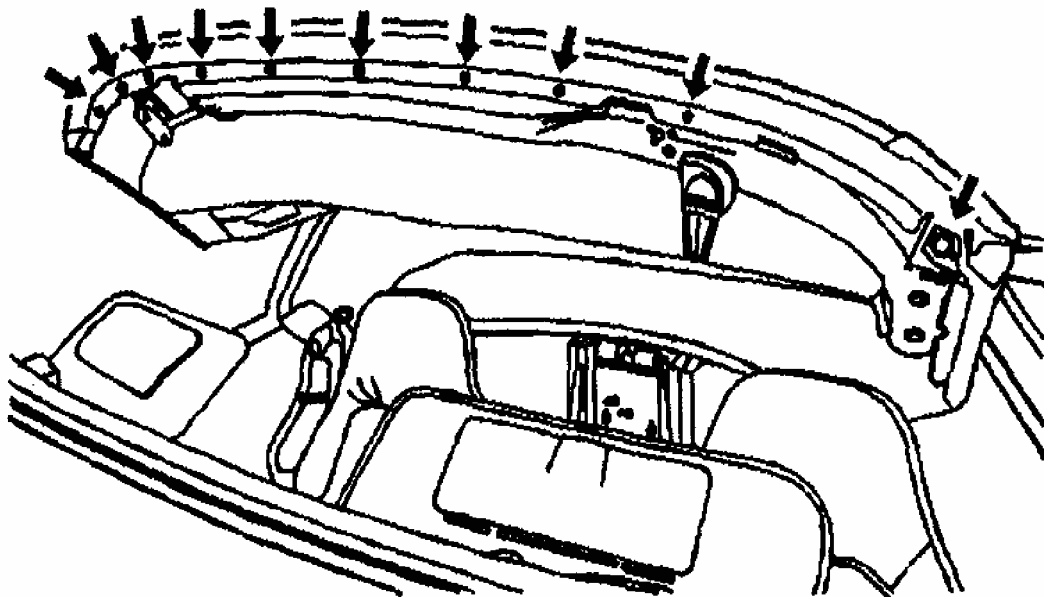
Fig. 45: Positioning Seal Compression Panel To Bow
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

16. Install the seal compression panel screws.

Tighten

Tighten the screws to 3 N.m (26 lb in).



G01451359

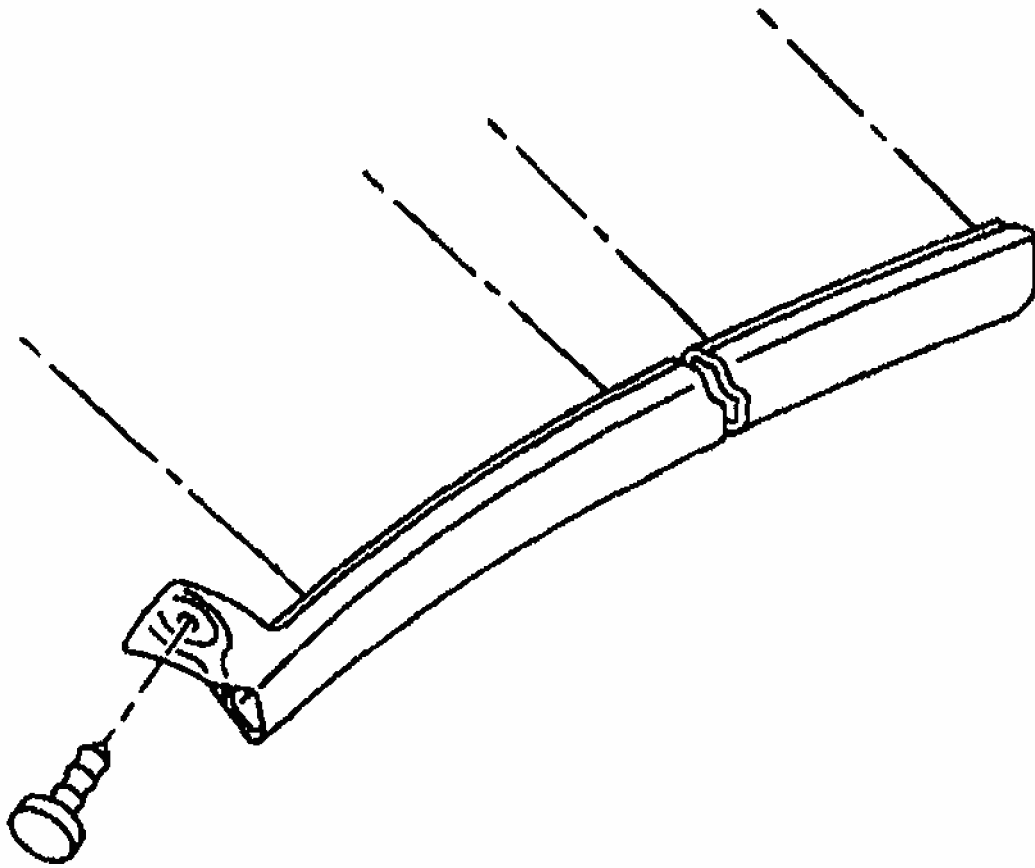
Fig. 46: Seal Compression Panel Screws
Courtesy of GENERAL MOTORS CORP.

17. Install the front side rail seal screws.

Tighten

Tighten the screws to 2 N.m (18 lb in).

18. Reposition the top to the original position.

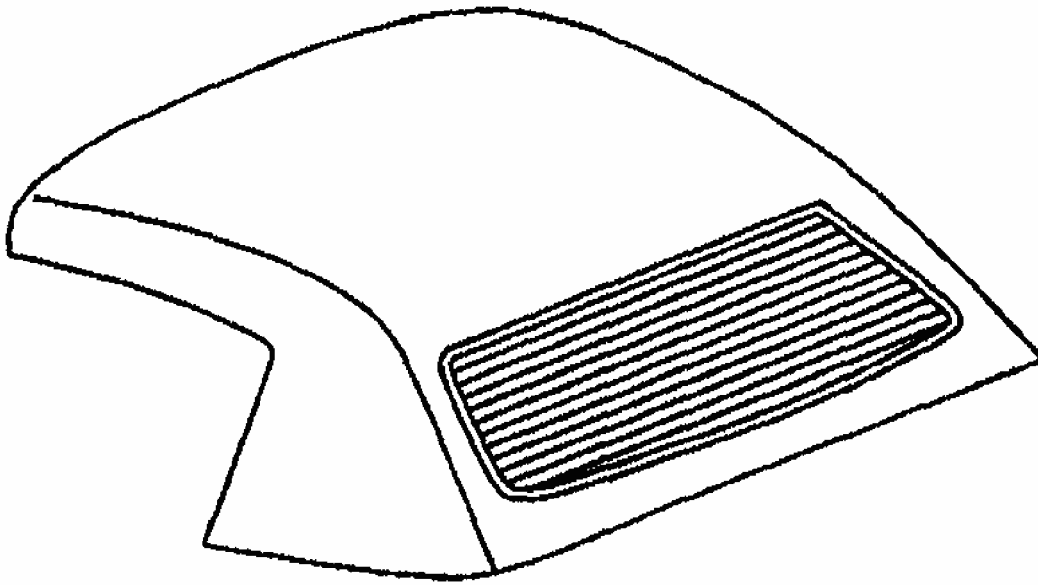


G01451360

Fig. 47: Front Side Rail Seal Screws
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP COVER TENSION ADJUSTMENT - REAR

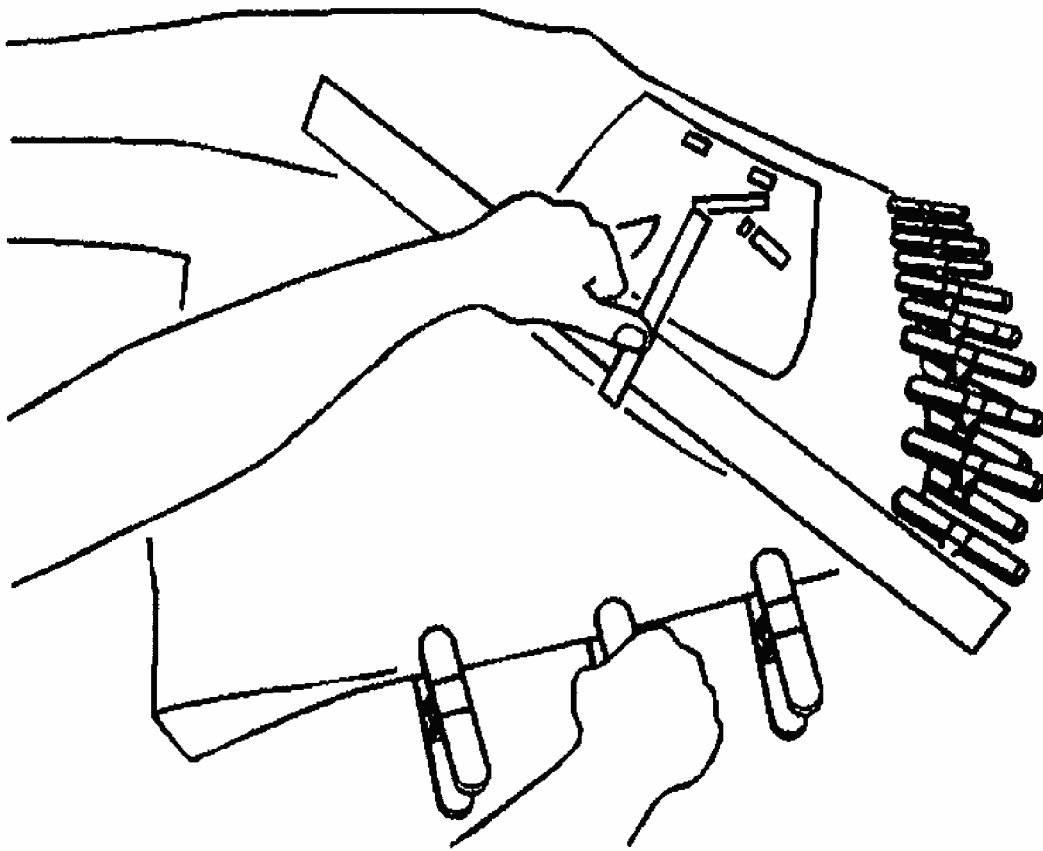
1. Close the convertible top.



G01451361

Fig. 48: Closing Convertible Top
Courtesy of GENERAL MOTORS CORP.

2. Verify the tension in the folding top cover by setting a 1 m (3.28 ft) straight edge on the top cover between the #4 and the #5 bows.

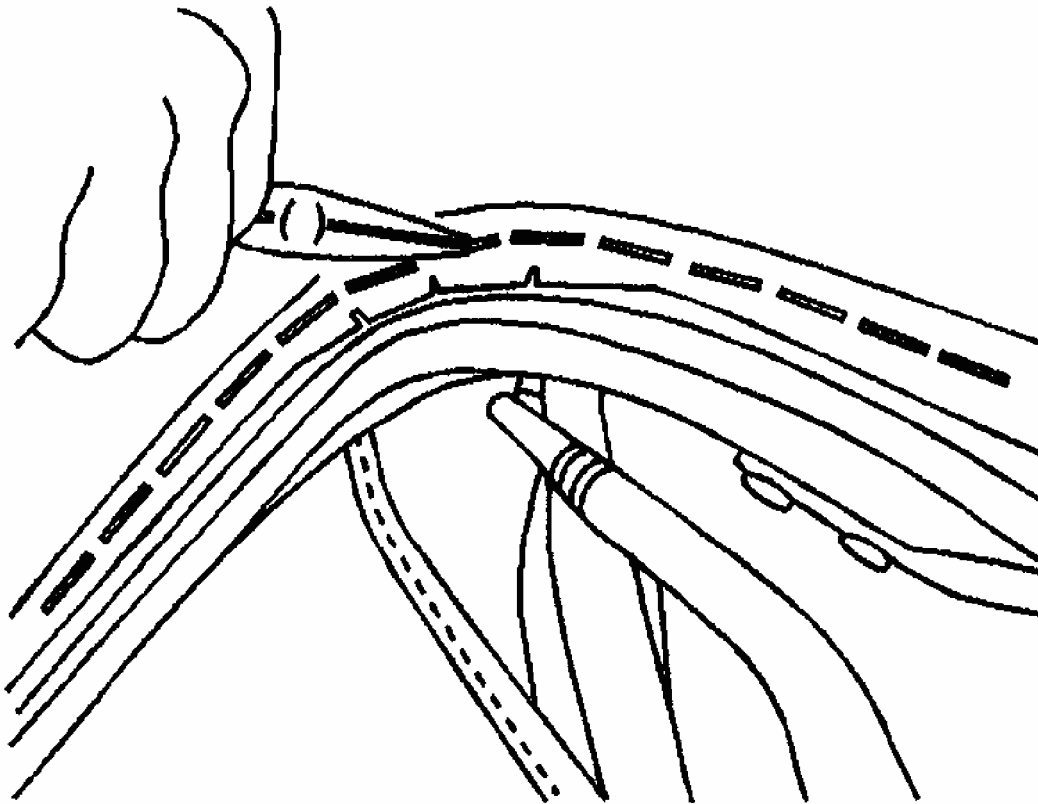


G01451362

Fig. 49: Measuring Sag Distance Between Bottom Of Straight Edge & Top Cover
 Courtesy of GENERAL MOTORS CORP.

3. With a ruler, measure the sag distance between the bottom of the straight edge and the top cover:
 - Cloth: 15-20 mm (0.60-0.79 in), normally set at 18 mm (0.70 in)
 - Vinyl: 15-20 mm (0.60-0.79 in), normally set at 15 mm (0.60 in)
4. If the tension does not meet these specifications, modify the tension by continuing with the following steps.
5. To modify the tension, remove the folding top. Refer to **FOLDING TOP REPLACEMENT** .
6. Remove the #5 bow weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .
7. Using a pair of needle-nose pliers remove the top cover staples.

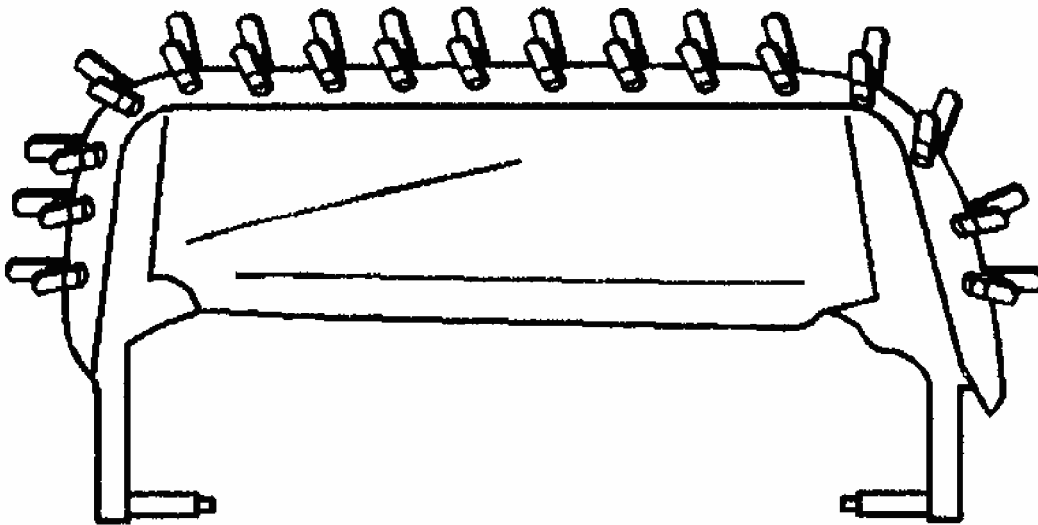
8. Pull the top cover downward to increase the tension.



G01451363

Fig. 50: Top Cover Staples
Courtesy of GENERAL MOTORS CORP.

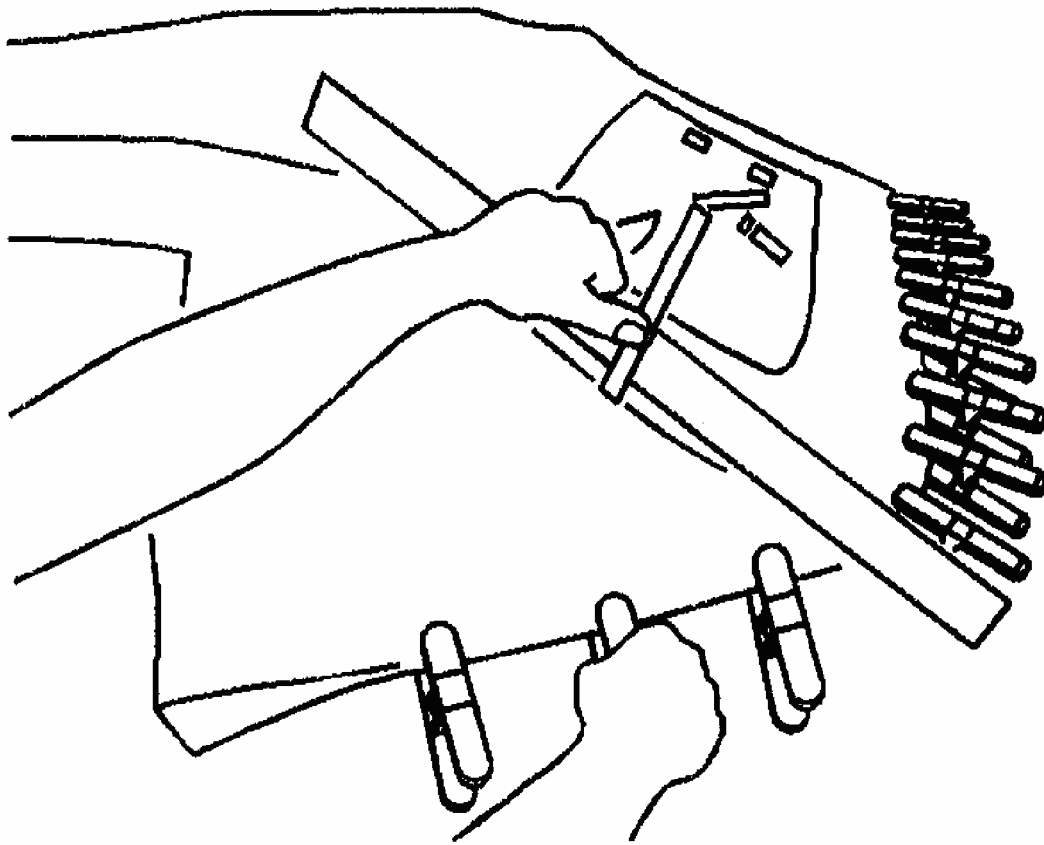
9. Fold the top cover over the #5 bow and secure with 5 cm (2 in) pinch clamps. Place the clamps directly over the steel rivets within the bow.



G01451364

Fig. 51: Placing Clamps Directly Over Steel Rivets Within Bow
Courtesy of GENERAL MOTORS CORP.

10. Using a ruler as before, verify the tension again and adjust the tension as necessary.
11. Staple the top cover to the bow.
12. Install the #5 bow weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .
13. Reposition the top to the original position.



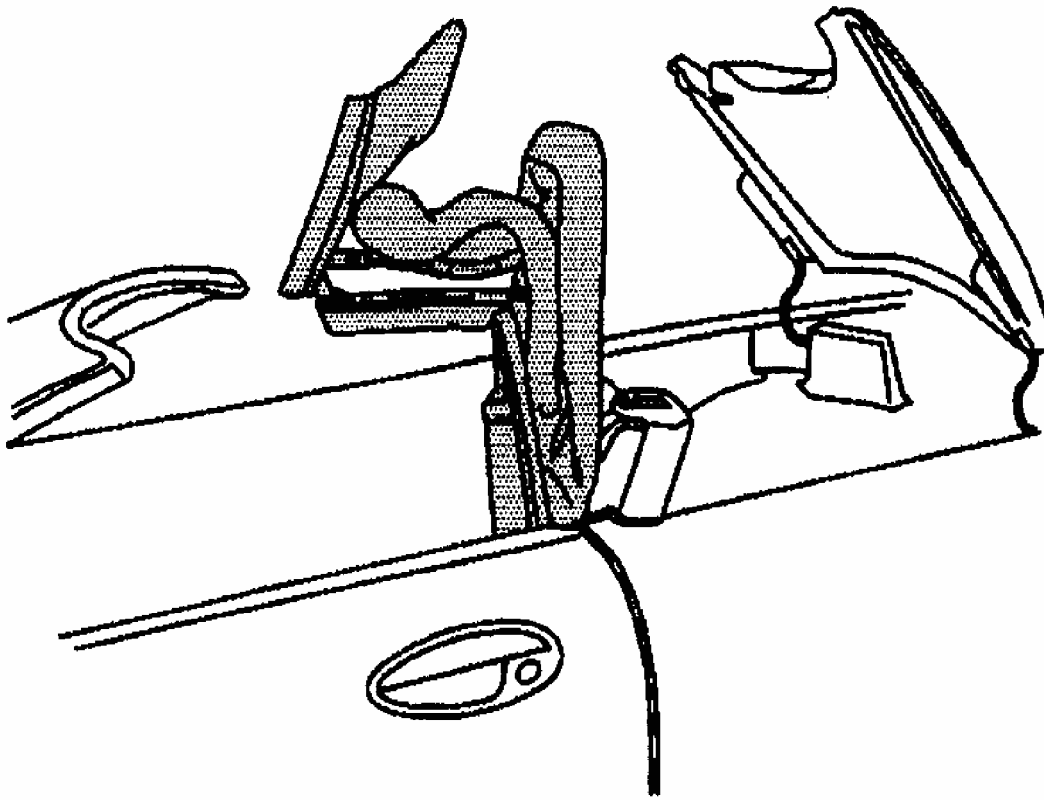
G01451365

Fig. 52: Measuring Sag Distance Between Bottom Of Straight Edge & Top Cover
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP REPLACEMENT

Removal Procedure

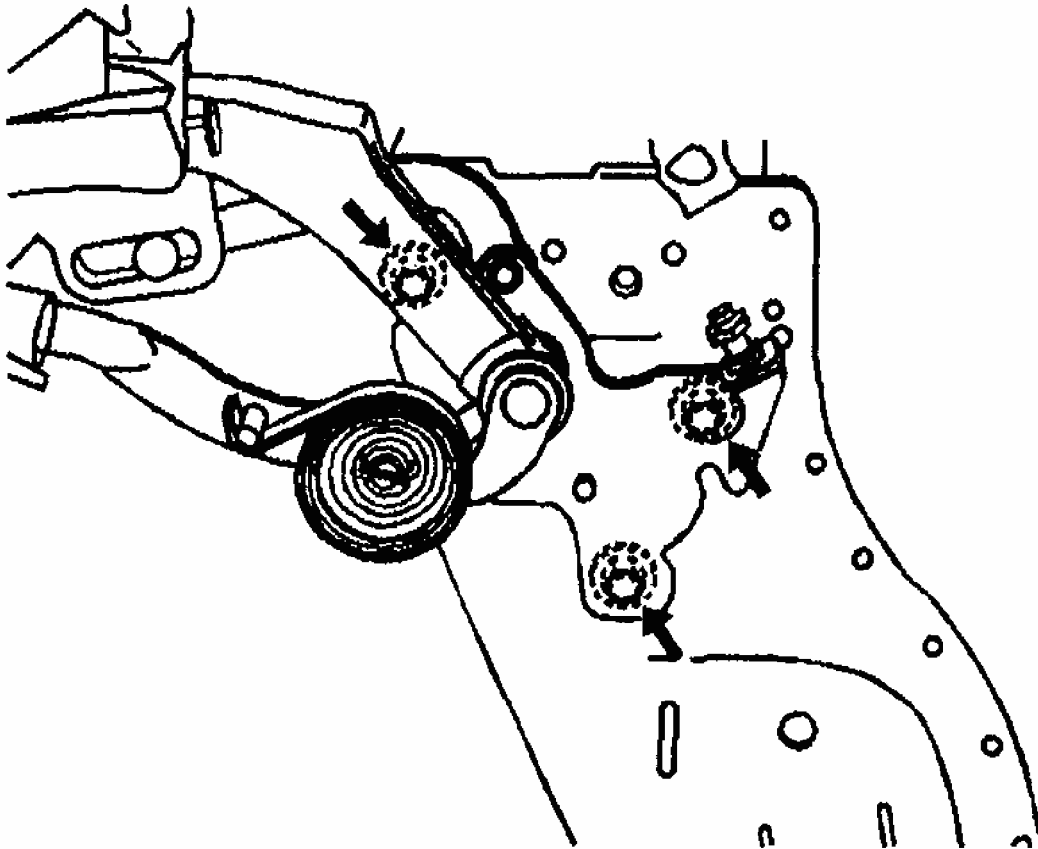
1. Remove the lock pillar upper trim panel. Refer to **TRIM REPLACEMENT - LOCK PILLAR (UPPER CONVERTIBLE)** or **TRIM REPLACEMENT - LOCK PILLAR (COUPE)** or **TRIM REPLACEMENT - LOCK PILLAR (LOWER CONVERTIBLE AND HARD TOP)** in Interior Trim.
2. Position the #1 bow and the #5 bow in an up position.
3. Disconnect the rear defogger electrical connections.
4. Using a grease pencil mark the folding top mounting locations on both sides.



G01451366

Fig. 53: Positioning #1 Bow & #5 Bow In Up Position
Courtesy of GENERAL MOTORS CORP.

5. Remove the folding top pillar bracket bolts with an assistant.
6. With an assistant, slide the top slightly up and then rearward and out of the pillar bracket.



G01451367

Fig. 54: Folding Top Pillar Bracket Bolts
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

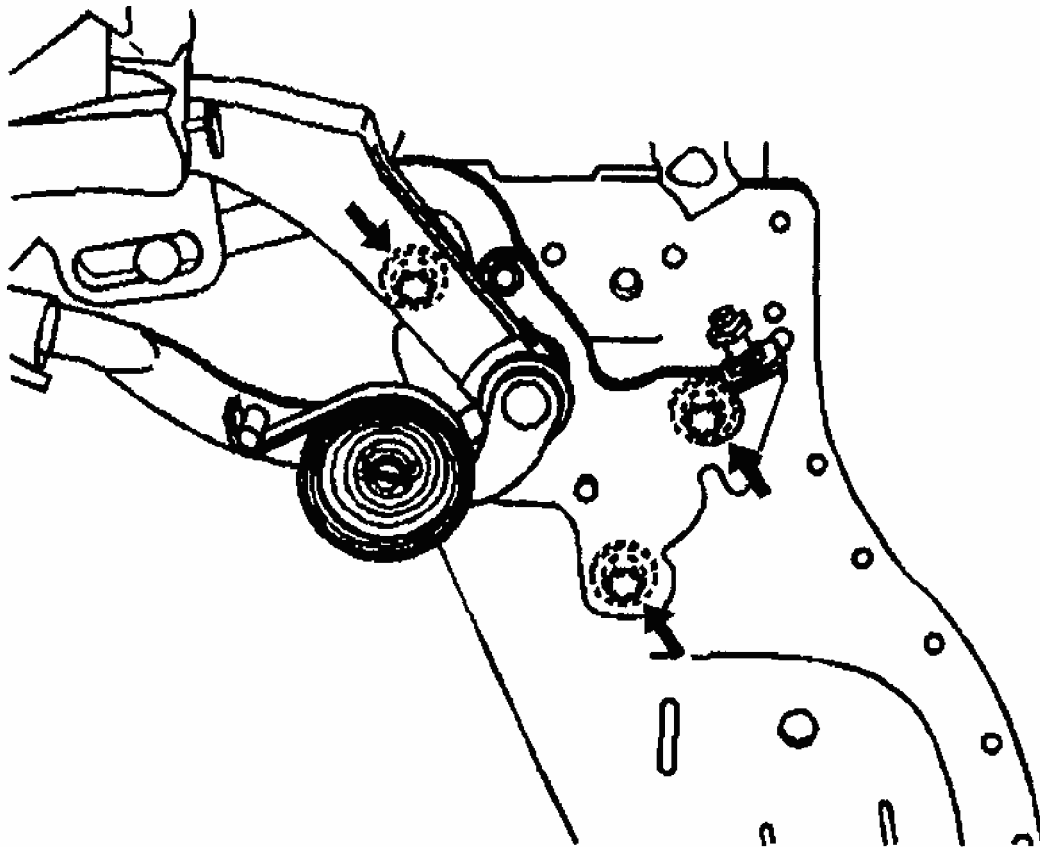
1. With an assistant, position the folded top to the vehicle with the top resting on the pillar bracket pin.
2. Align the folding top to the marks made upon removal.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

3. Install the folding top bolts to the body.

Tighten

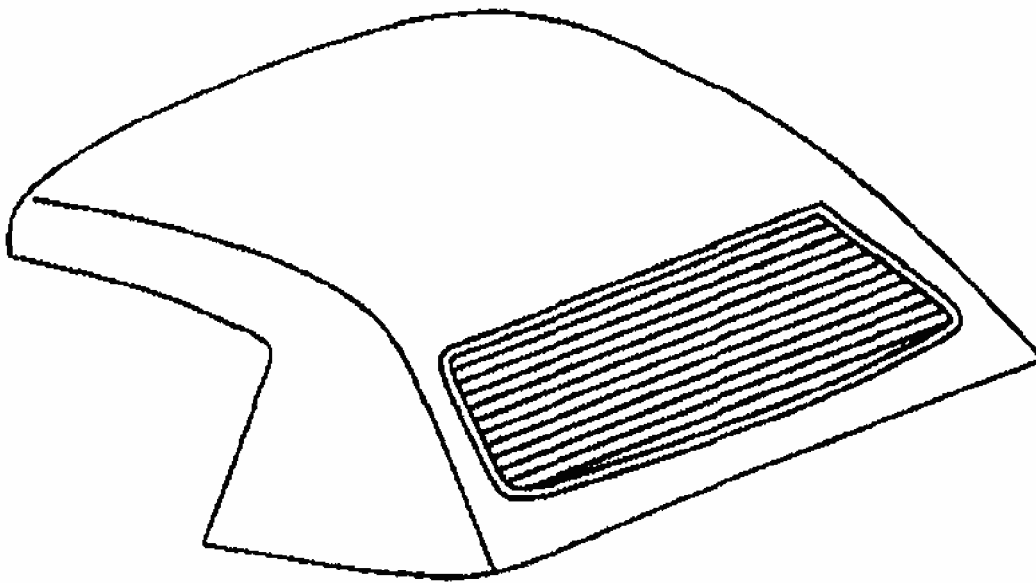
Tighten the bolts to 25 N.m (18 lb ft).



G01451368

Fig. 55: Folded Top To Vehicle With Top Resting On Pillar Bracket Pin
Courtesy of GENERAL MOTORS CORP.

4. Close and latch the top.
5. Connect the rear defogger electrical connections.
6. Install the lock pillar trim panel. Refer to **TRIM REPLACEMENT - LOCK PILLAR (UPPER CONVERTIBLE)** or **TRIM REPLACEMENT - LOCK PILLAR (COUPE)** or **TRIM REPLACEMENT - LOCK PILLAR (LOWER CONVERTIBLE AND HARD TOP)** in Interior Trim.
7. Check top for proper operation.
8. Water test the folding top.



G01451369

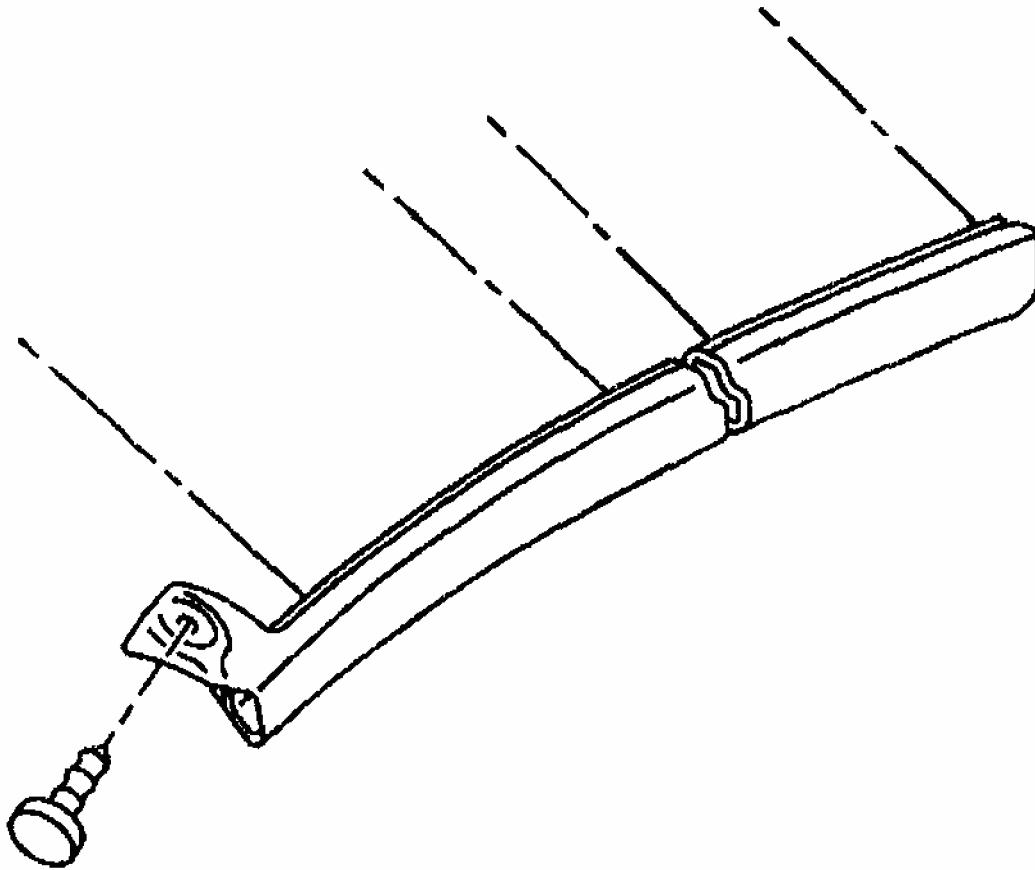
Fig. 56: Closing Convertible Top
Courtesy of GENERAL MOTORS CORP.

WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)

Removal Procedure

Important: You can remove the front side rail and the center side rail weatherstrips separately.

1. Remove the screw from the front side rail weatherstrip.
2. Remove the front side rail weatherstrip. If required remove the center side rail weatherstrip.
3. Clean the adhesive from the mounting surface using 3M(tm) P/N 8984 or equivalent.

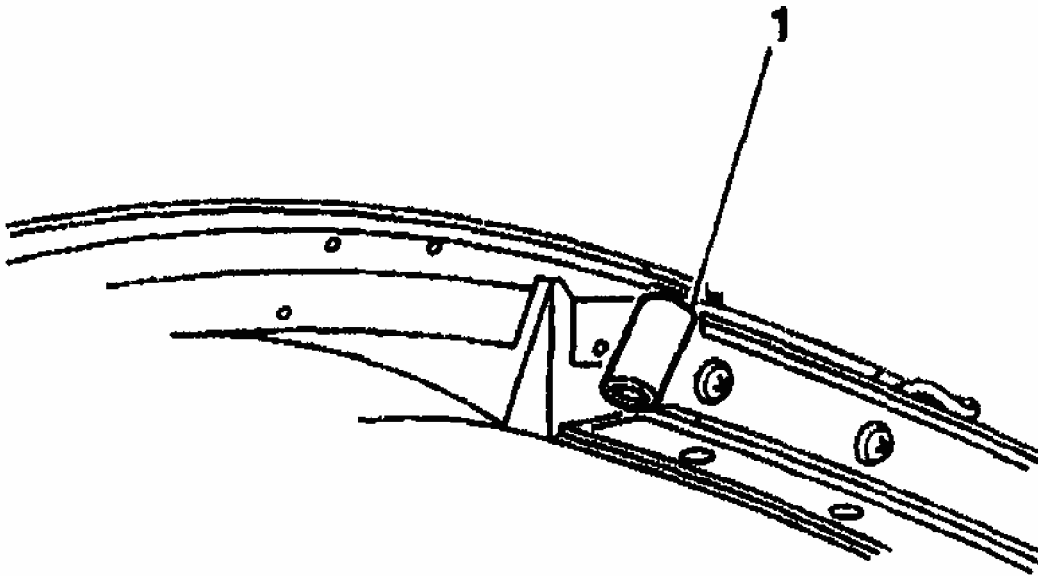


G01451370

Fig. 57: Screw From Front Side Rail Weatherstrip
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

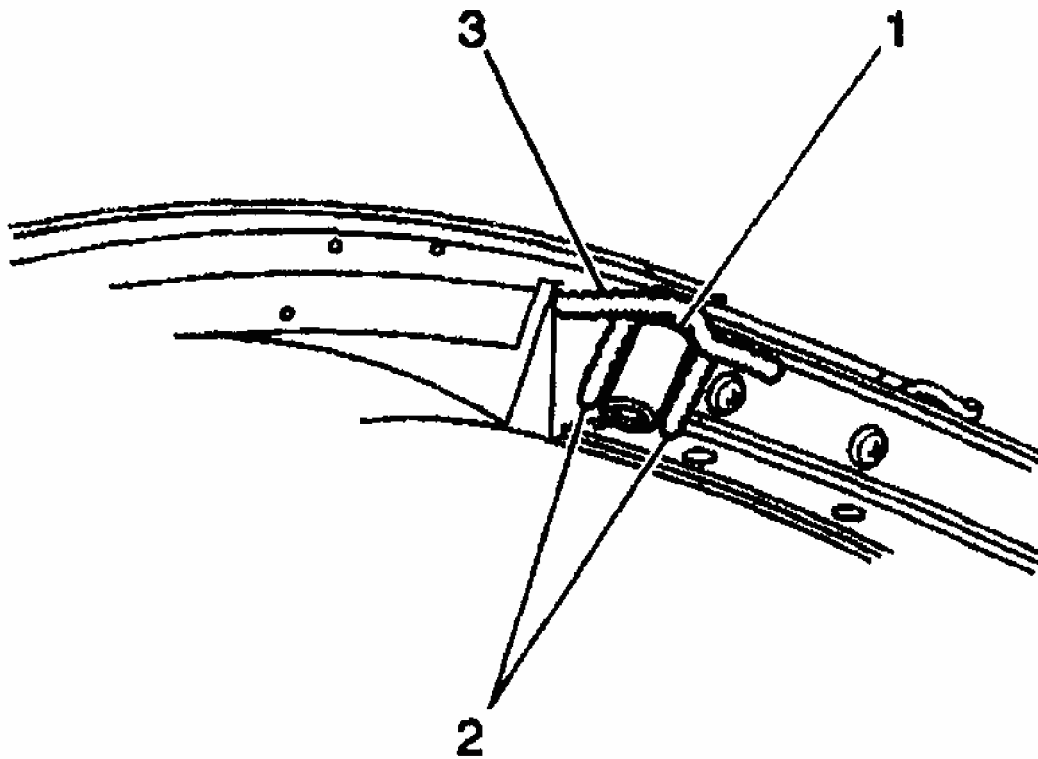
1. Apply sealer GM P/N 12345739 (Canadian P/N 10953472), or equivalent to the forward end of the front side weatherstrip retainer (1).



G01451371

Fig. 58: Applying Sealer To Forward End Of Front Side Weatherstrip Retainer
Courtesy of GENERAL MOTORS CORP.

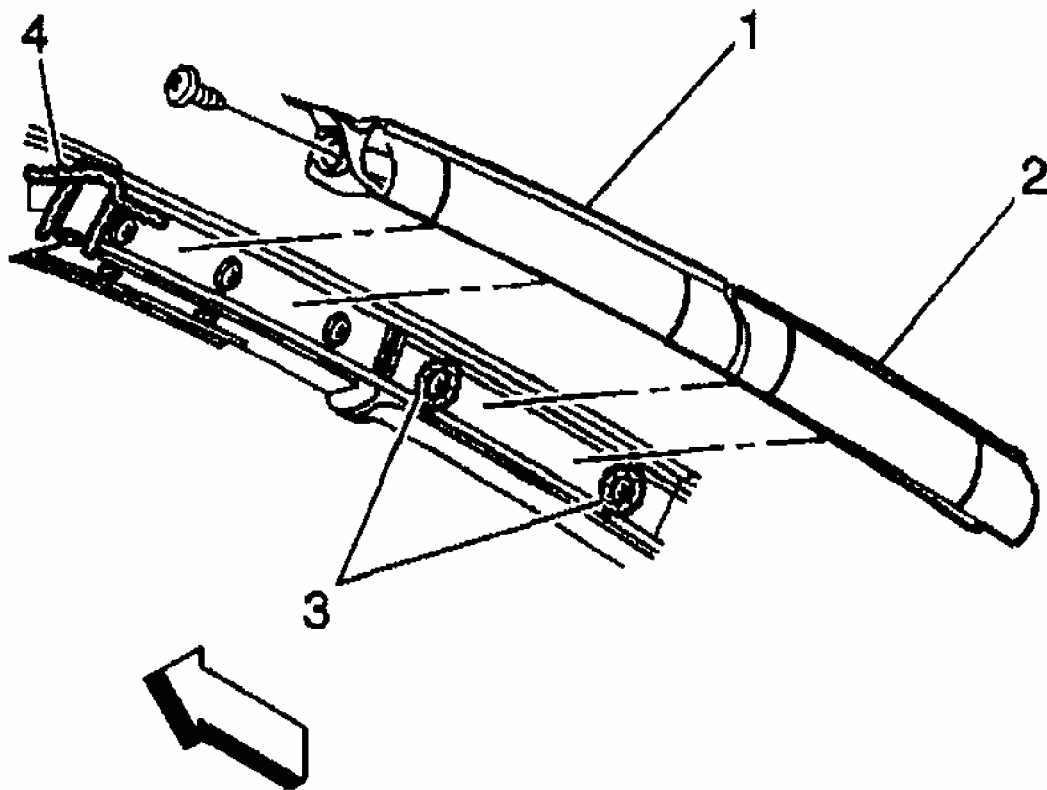
2. Apply a bead of sealer GM P/N 12345739 (Canadian P/N 10953472), or equivalent 6 mm (2.4 in) high around the front side retainer (1) in the following places:
 - At the front upper corner (3)
 - On both sides (2)



G01451372

Fig. 59: Applying Bead Of Sealer Around Front Side Retainer
Courtesy of GENERAL MOTORS CORP.

3. Apply a drop of sealer GM P/N 12345739 (Canadian P/N 10953472), or equivalent (3) 12 mm (0.5 in) in diameter to the screw heads of the center side retainer.
4. Remove the protective film from the adhesive on the weatherstrip.



G01451373

Fig. 60: Protective Film From Adhesive On Weatherstrip
Courtesy of GENERAL MOTORS CORP.

5. Install the side rail weatherstrip, as necessary.

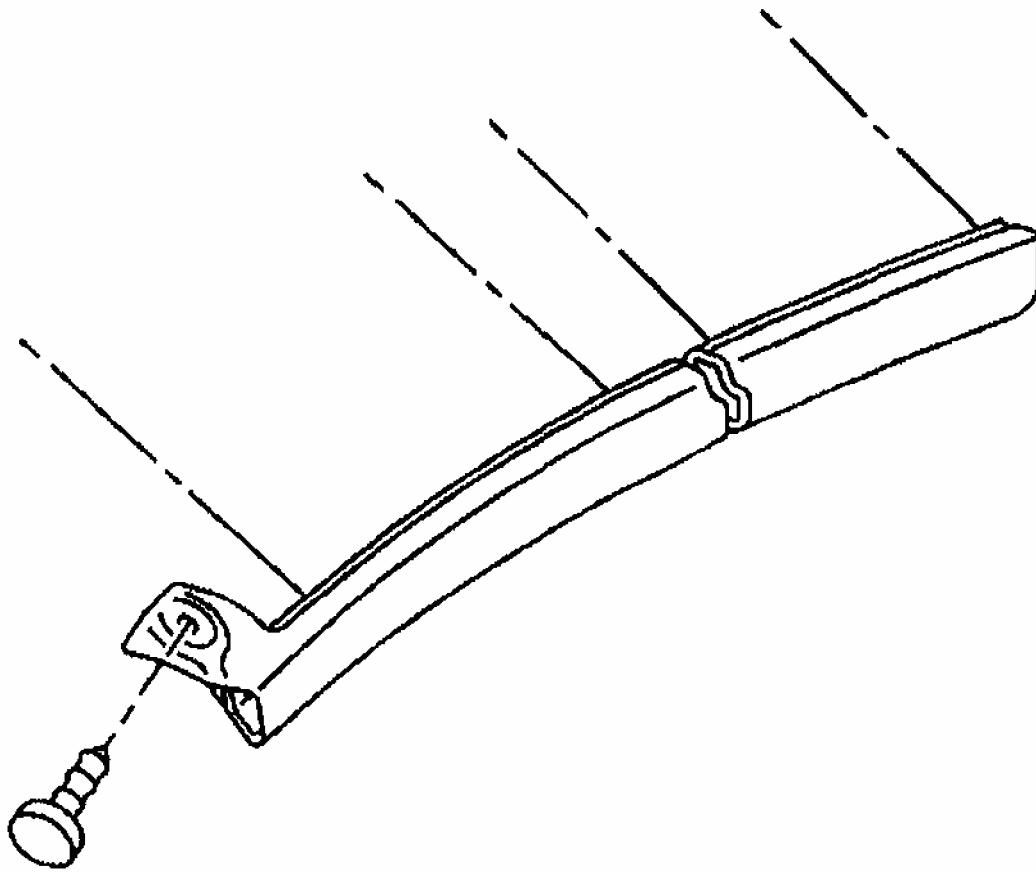
NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

6. Install the screw to the front side rail weatherstrip.

Tighten

Tighten the screw to 4 N.m (35 lb in).

7. Reposition the top to the original position.



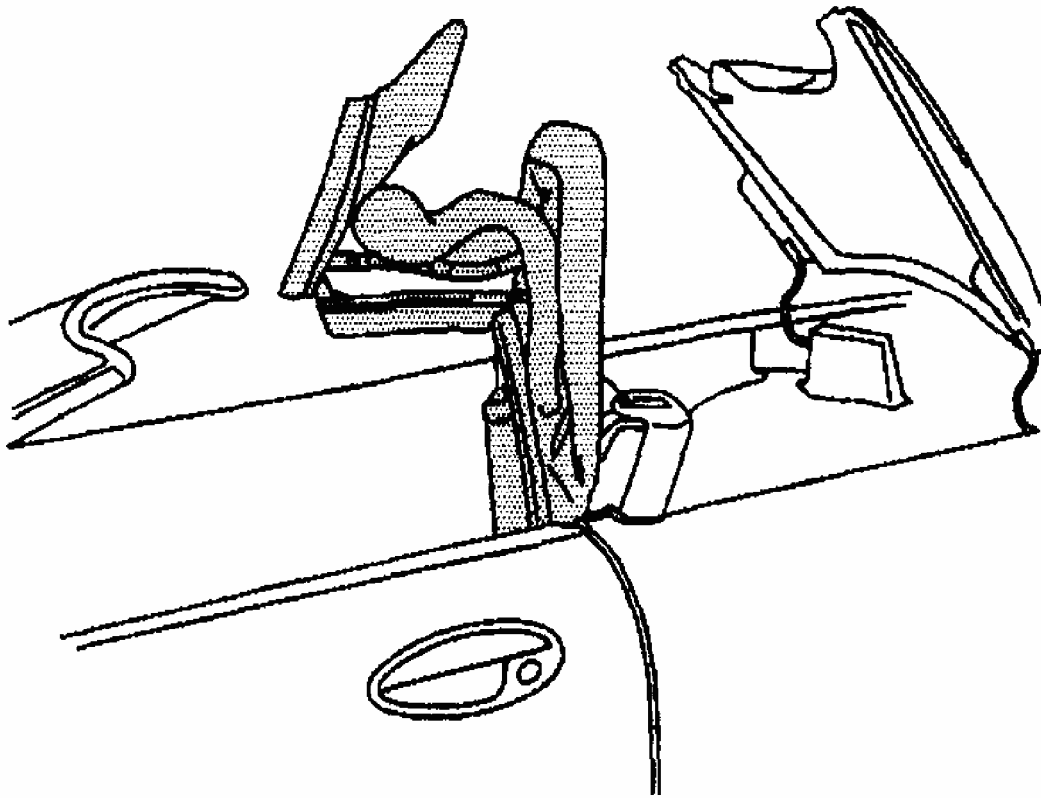
G01451374

Fig. 61: Screw To Front Side Rail Weatherstrip
Courtesy of GENERAL MOTORS CORP.

WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)

Removal Procedure

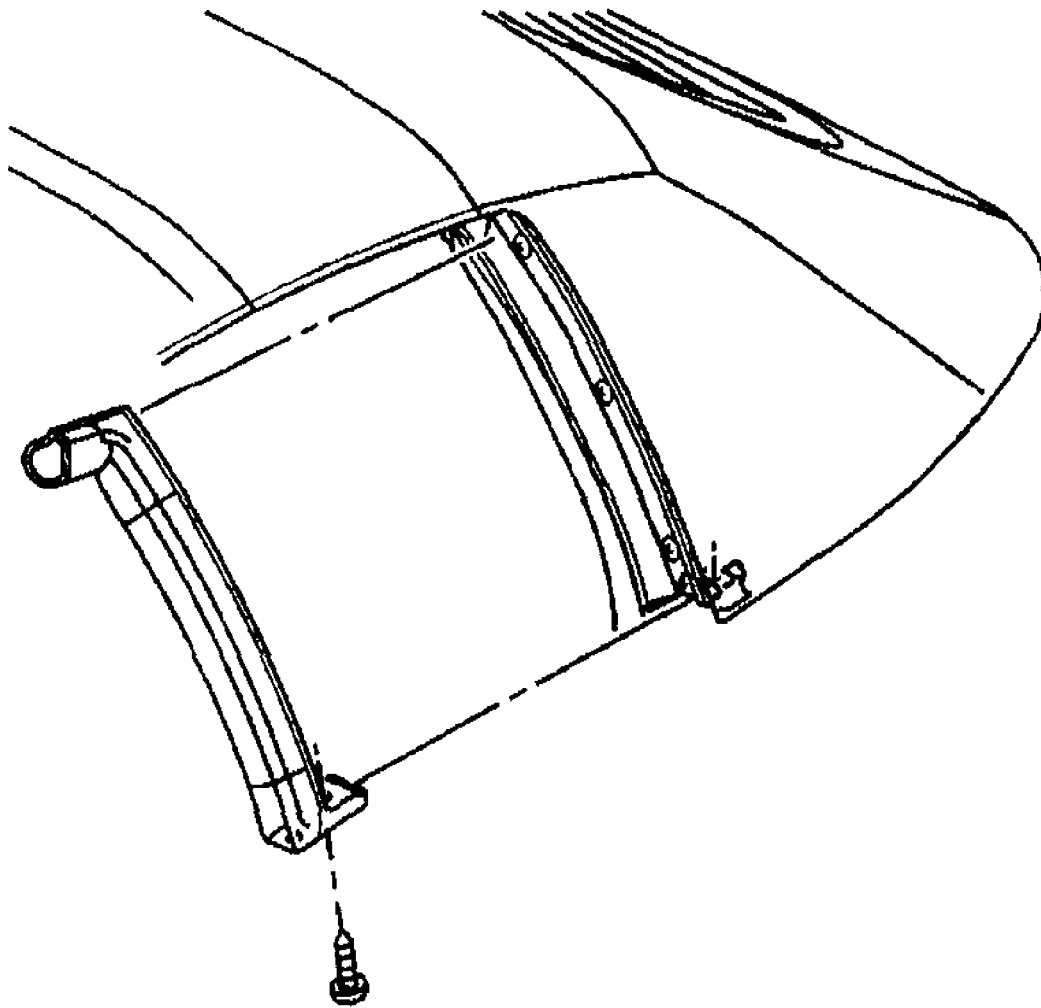
1. Position the #1 bow and the #5 bow up.



G01451375

Fig. 62: Positioning #1 Bow & #5 Bow Up
Courtesy of GENERAL MOTORS CORP.

2. Remove the push-in retainers from the bottom of the rear side rail weatherstrip.
3. Remove the weatherstrip.
4. Clean the adhesive from the mounting surface using 3M(tm) P/N 8984 or equivalent.

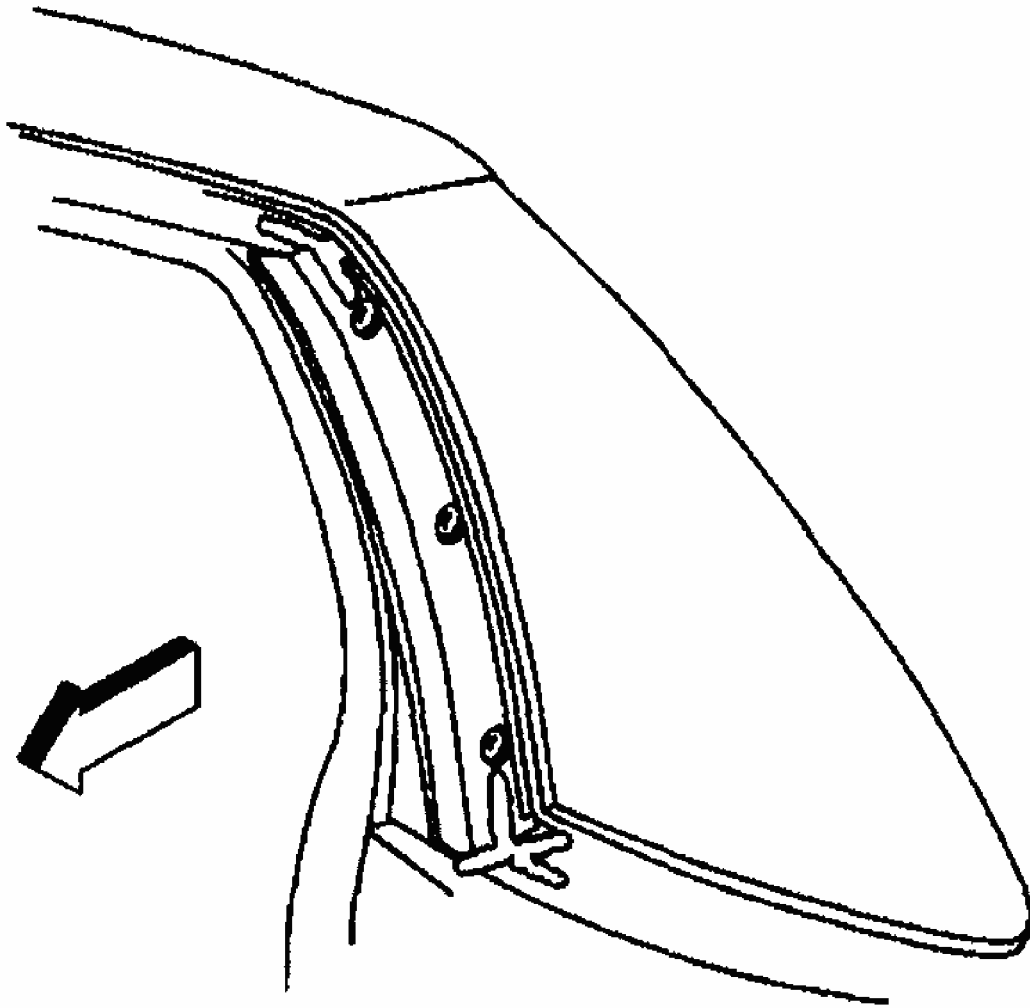


G01451376

Fig. 63: Push-In Retainers From Bottom Of Rear Side Rail Weatherstrip
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Apply a bead of sealer GM P/N 12345739 (Canadian P/N 10953472), to the upper and lower corners of the weatherstrip retainer.

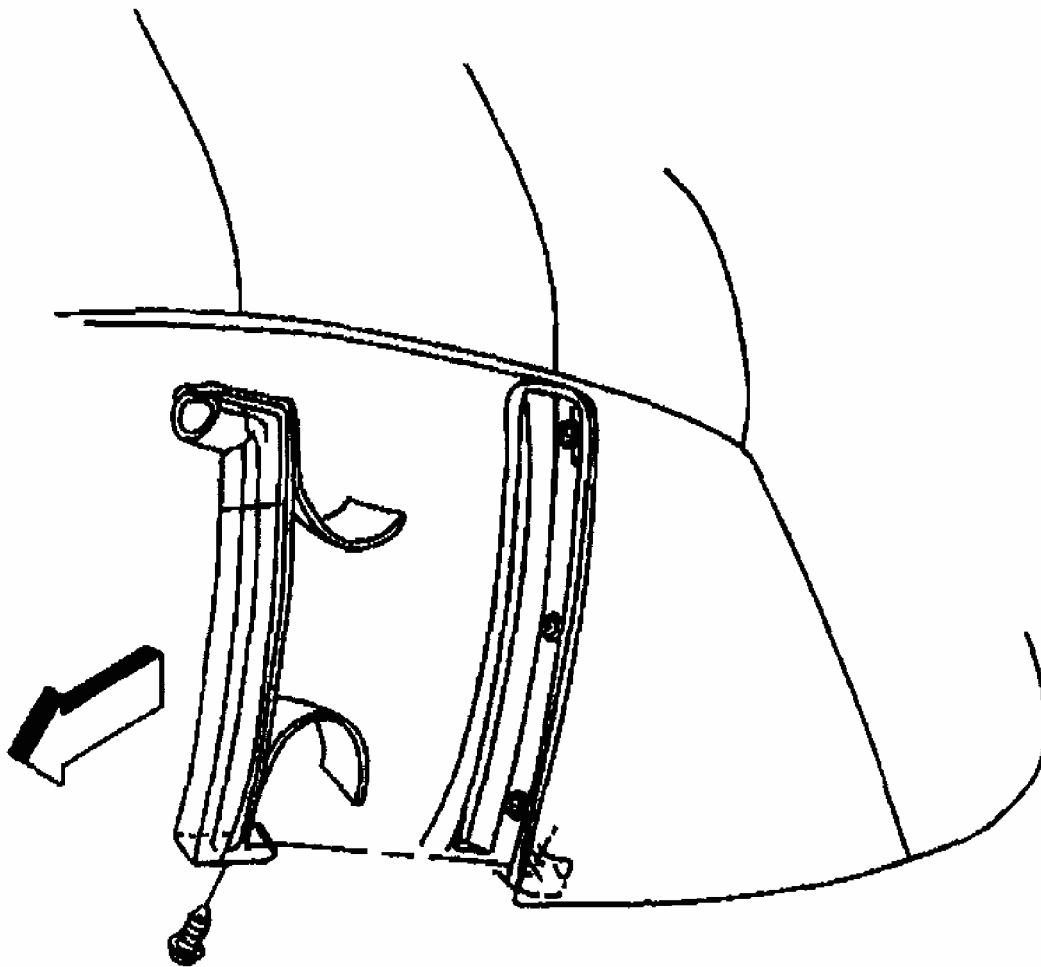


G01451377

Fig. 64: Applying A Bead Of Sealer To Upper & Lower Corners Of Weatherstrip Retainer

Courtesy of GENERAL MOTORS CORP.

2. Remove the protective film from the adhesive on the back of the weatherstrip.
3. Install the weatherstrip to the rear side rail retainer.
4. Install the rear weatherstrip into the end of the center rail side weatherstrip.
5. Install the push-in retainer to the bottom of the weatherstrip.
6. Reposition the folding top to the original position.



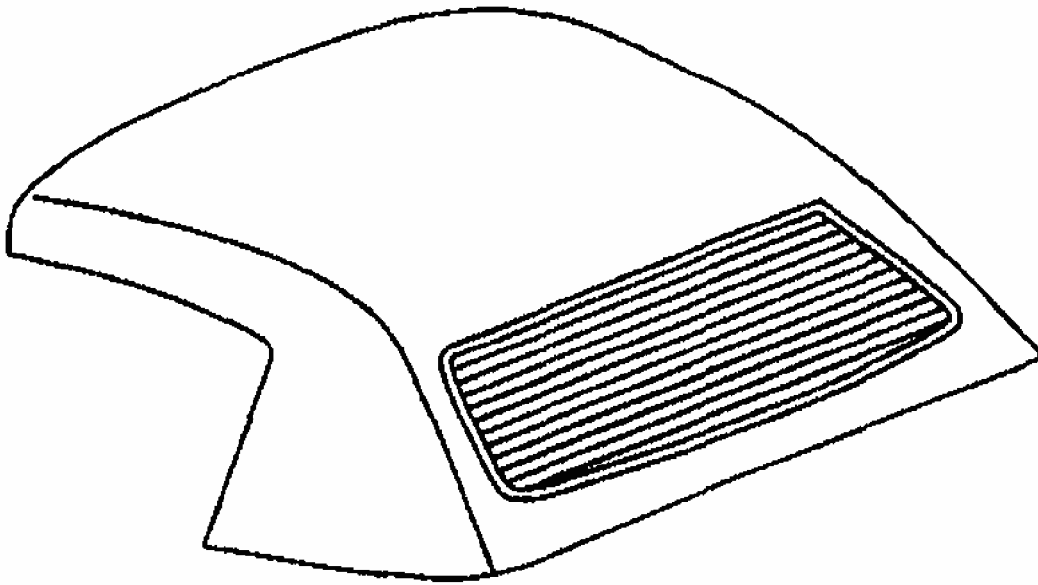
G01451378

Fig. 65: Push-In Retainer To Bottom Of Weatherstrip
Courtesy of GENERAL MOTORS CORP.

WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)

Removal Procedure

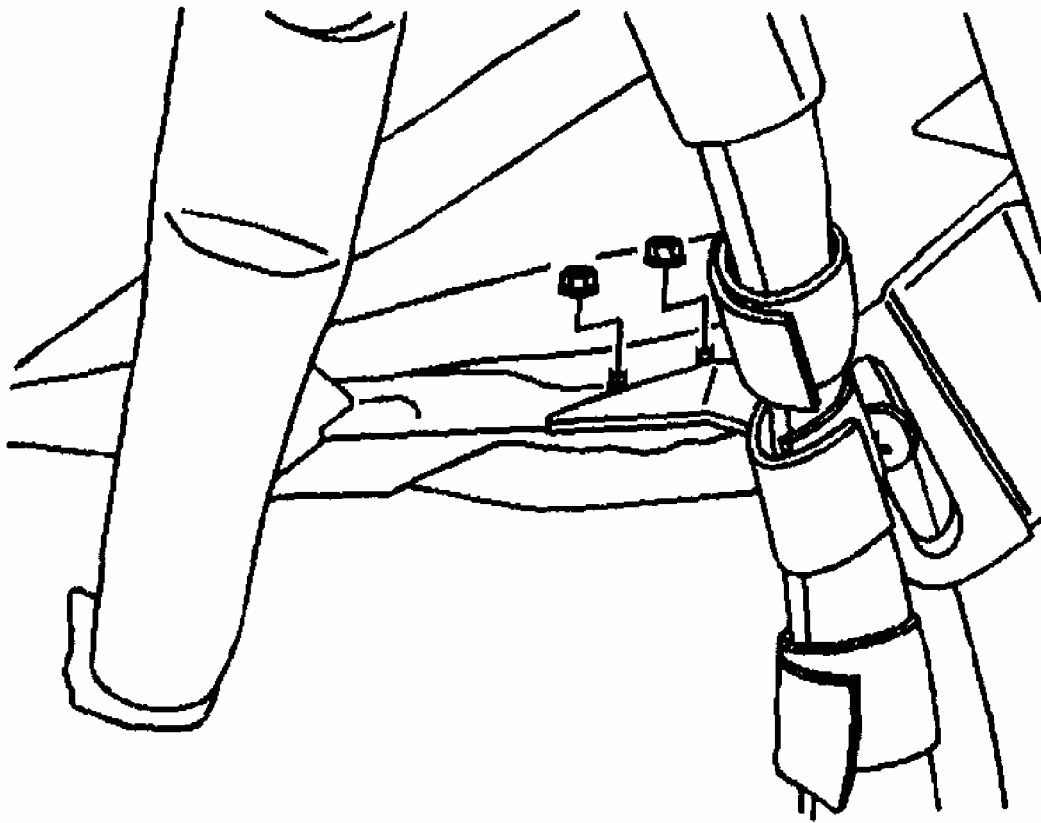
1. Position the top closed.
2. Remove the protective pads from the ends of the #5 bow covering the nuts to the 5 bow.



G01451379

Fig. 66: Positioning Top Closed
Courtesy of GENERAL MOTORS CORP.

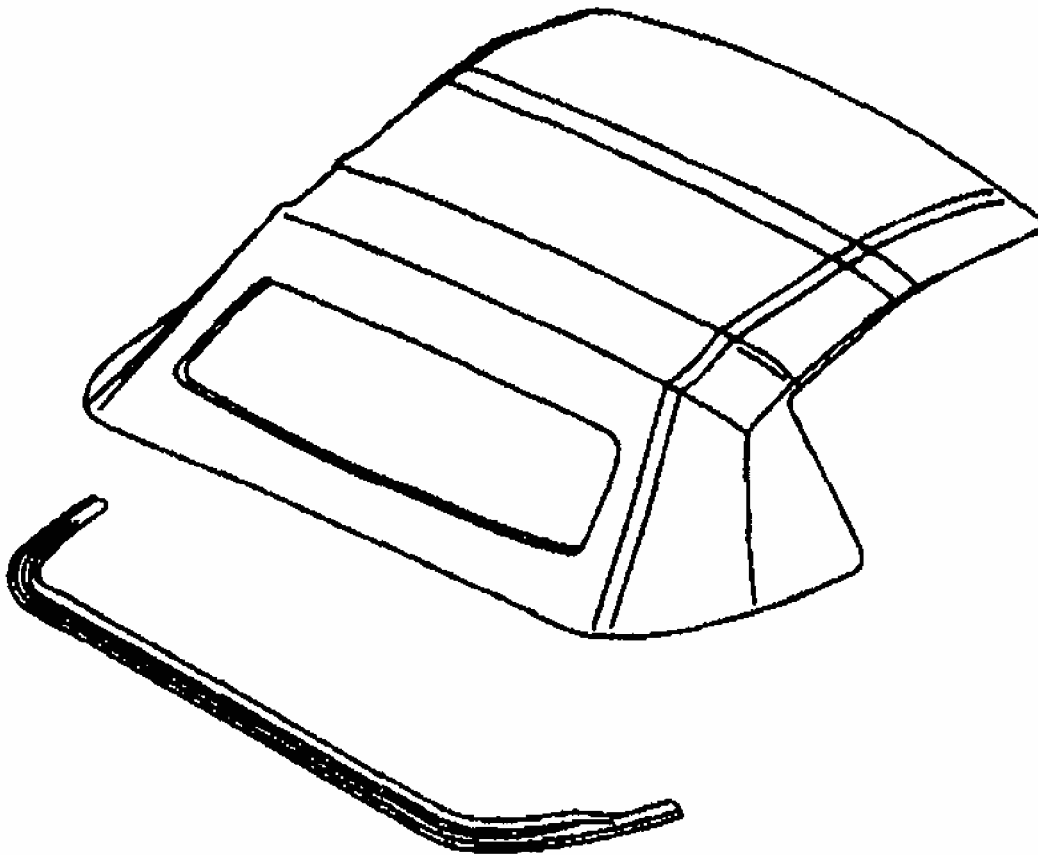
3. Remove the nuts attaching the ends of the weatherstrip to the 5 bow.



G01451380

Fig. 67: Nuts Attaching Ends Of Weatherstrip To 5 Bow
Courtesy of GENERAL MOTORS CORP.

4. Remove the weatherstrip.

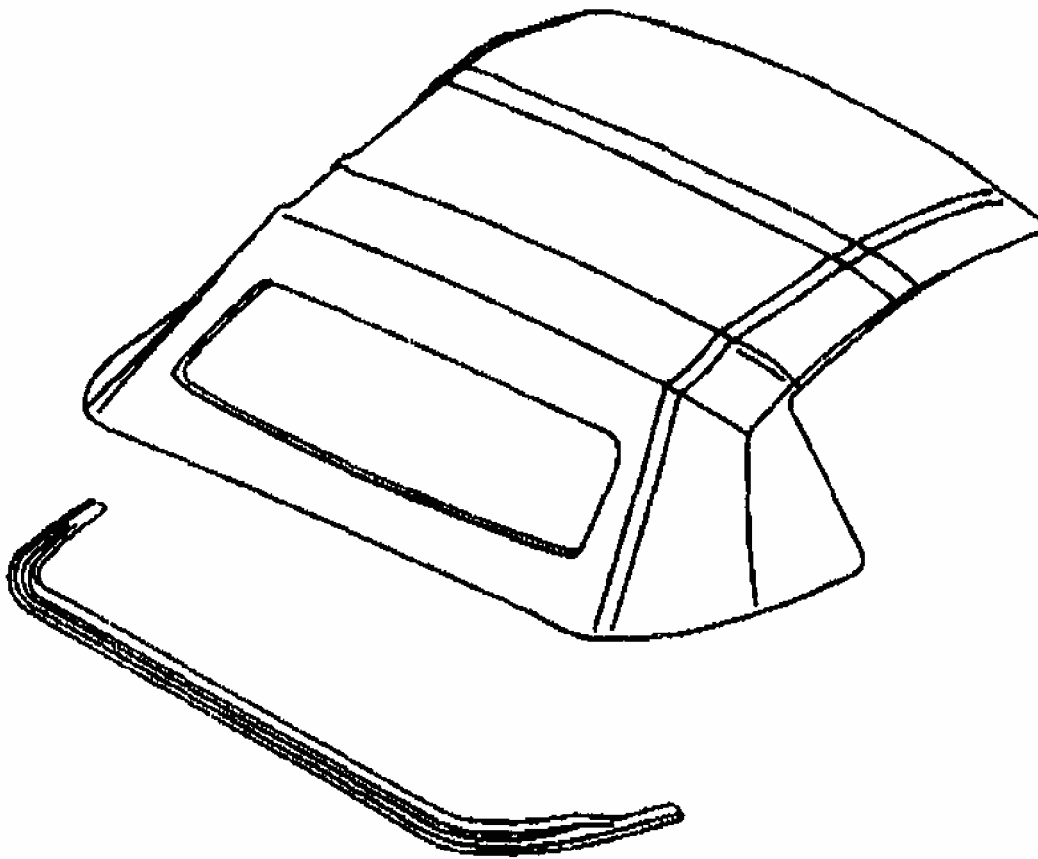


G01451381

Fig. 68: Weatherstrip
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Install the #5 bow weatherstrip.



G01451382

Fig. 69: #5 Bow Weatherstrip
Courtesy of GENERAL MOTORS CORP.

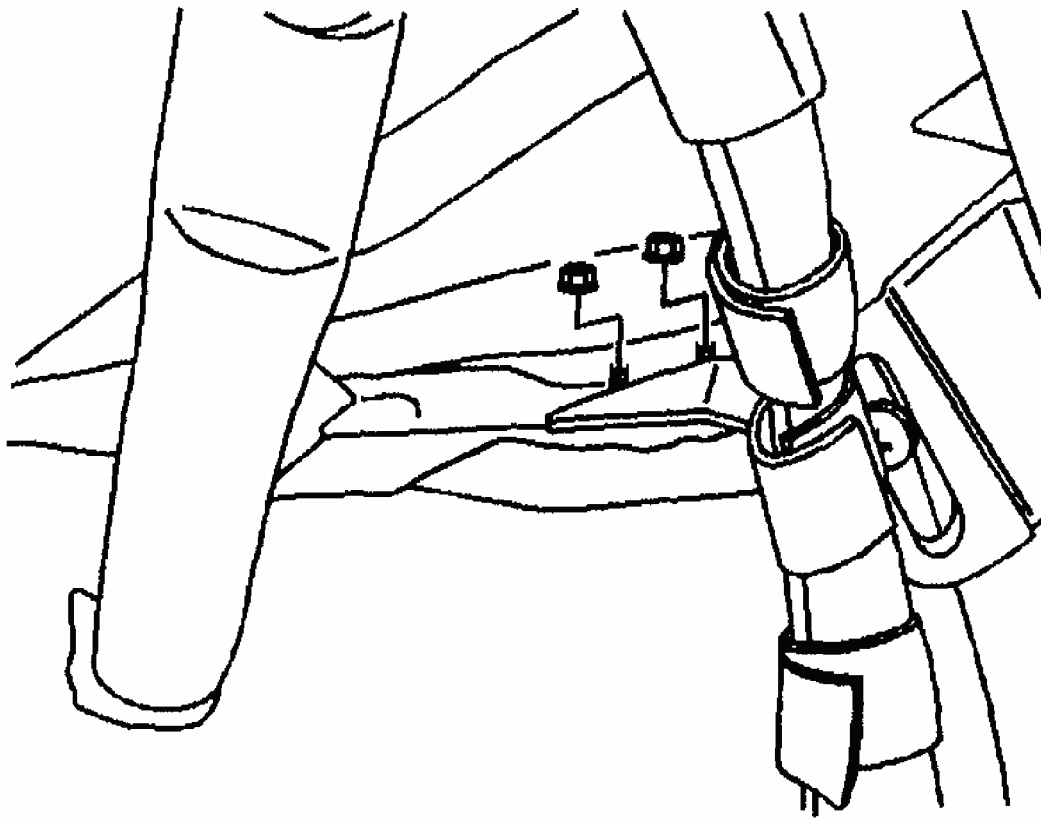
NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Install the nuts to the ends of the weatherstrip.

Tighten

Tighten the nuts to 4 N.m (35 lb in).

3. Install the protective pads to the weatherstrip nuts.
4. Install the protective pads to the ends of the bow.
5. Reposition the folding top to the original position.



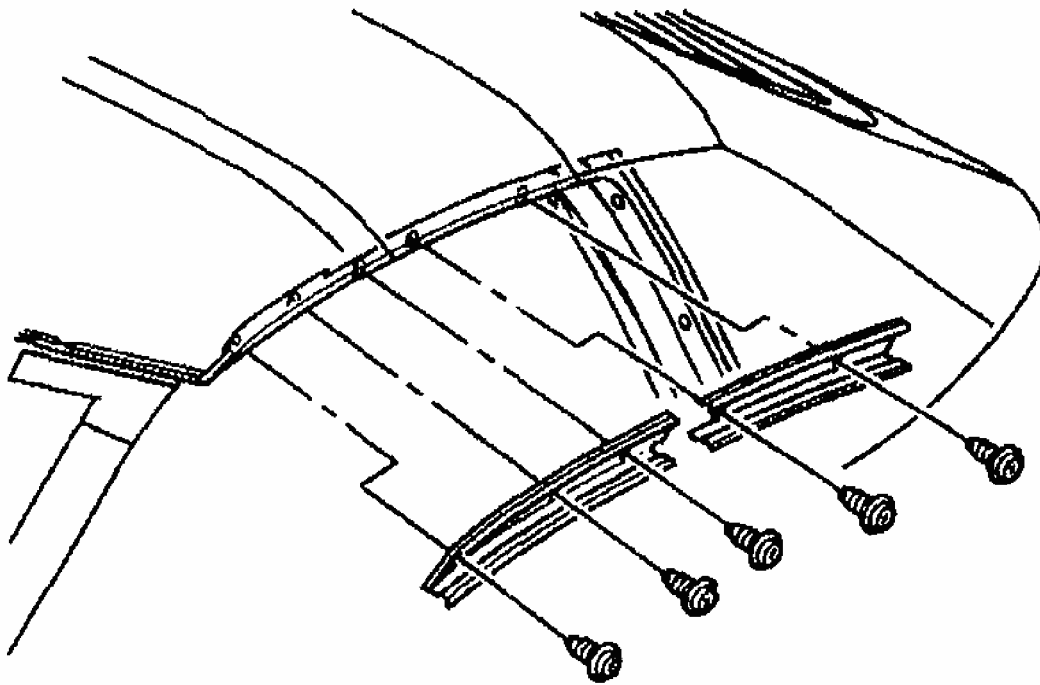
G01451383

Fig. 70: Nuts To Ends Of Weatherstrip
Courtesy of GENERAL MOTORS CORP.

WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)

Removal Procedure

1. Remove the front and center side weatherstrip from the retainer. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .
2. Remove the screws from the side weatherstrip retainer.
3. Remove the retainer.
4. Pull the window blowout clip from the front side retainer.
5. Clean the adhesive from the blowout clip using 3M(tm) P/N 8984 or equivalent.

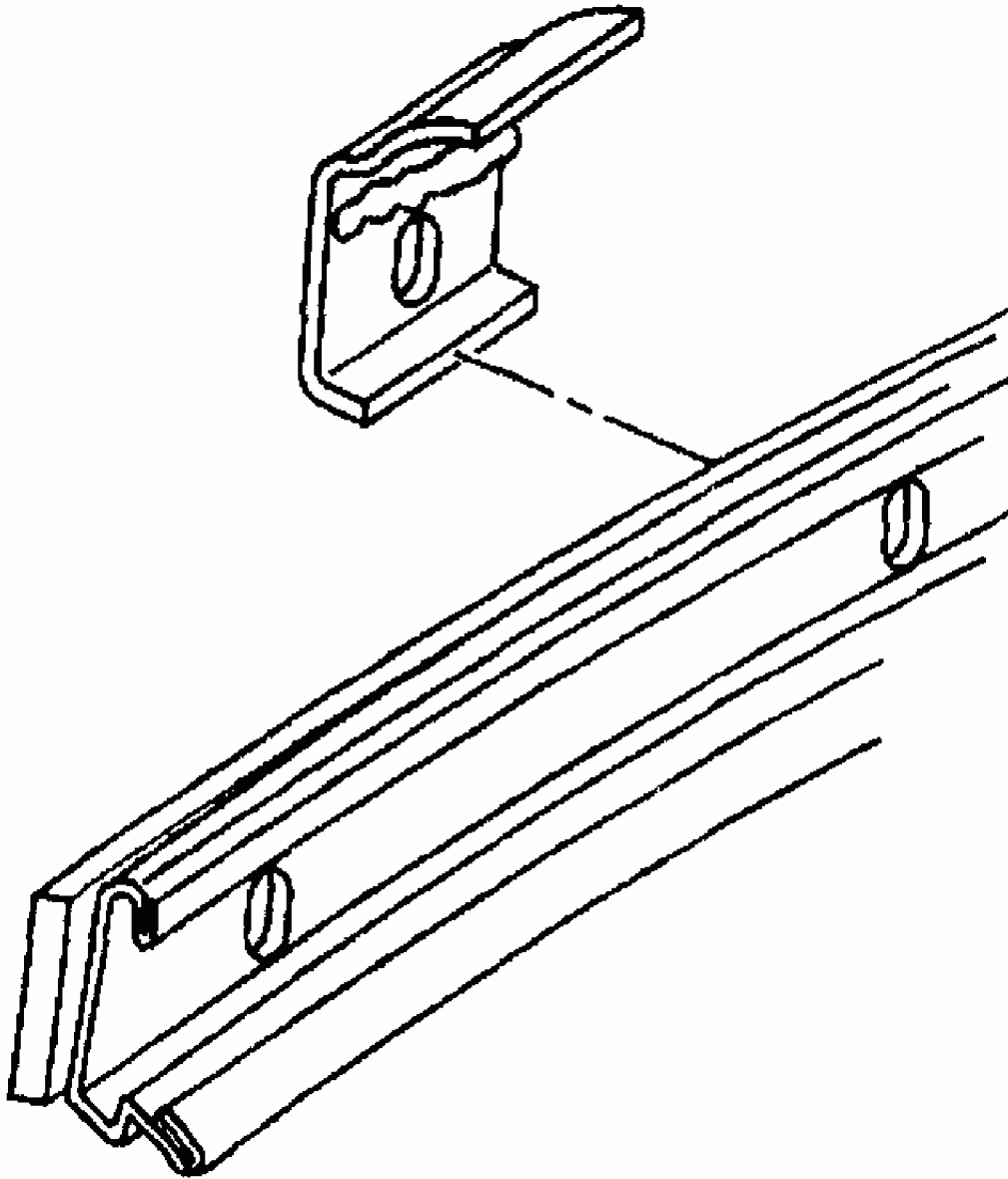


G01451384

Fig. 71: Screws From Side Weatherstrip Retainer
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

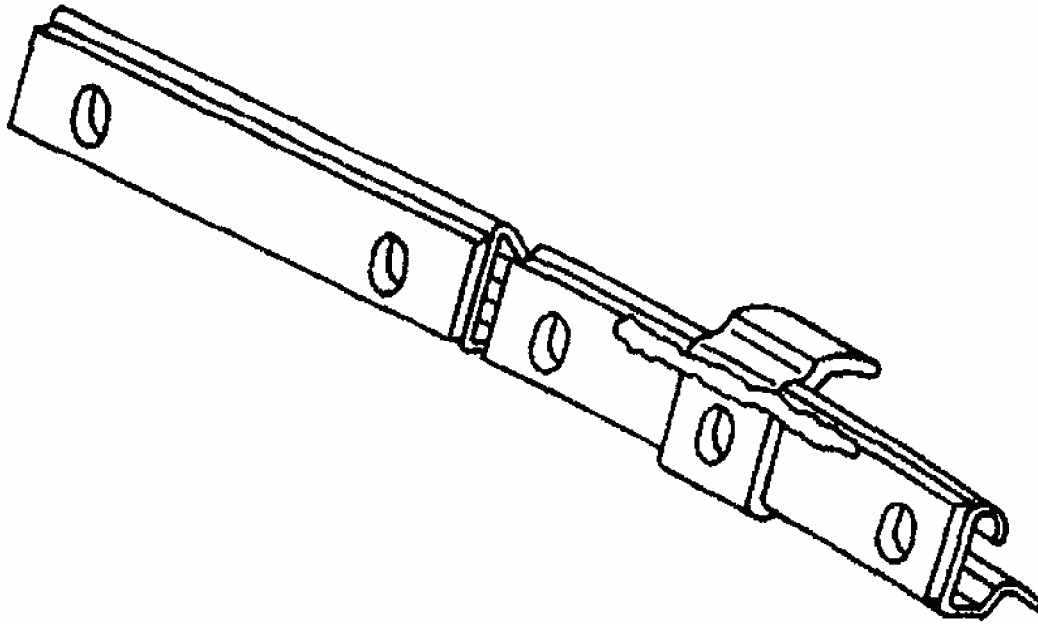
1. Apply sealer, GM P/N 12345739 (Canadian P/N 10953472), or equivalent to the front side of the blowout clip on the front side retainer.
2. Align and install the clip to the middle screw hole of the front side retainer.



G01451385

Fig. 72: Clip To Middle Screw Hole Of Front Side Retainer
Courtesy of GENERAL MOTORS CORP.

3. Apply sealer, GM P/N 12345739 (Canadian P/N 10953472), or equivalent to the rear of the blowout clip and the adjacent area of the front side retainer.

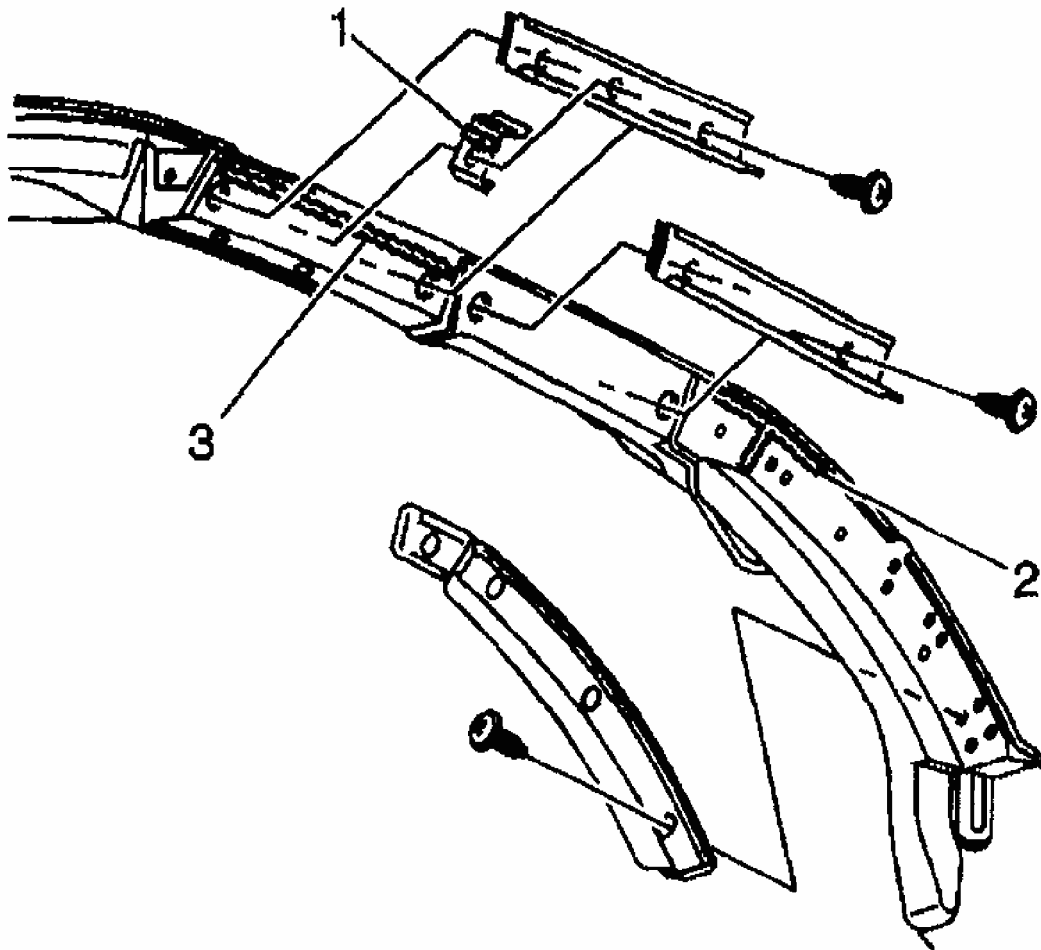


G01451386

Fig. 73: Applying Sealer To Rear Of Blowout Clip & Adjacent Area Of Front Side Retainer

Courtesy of GENERAL MOTORS CORP.

4. Apply a bead of sealer, GM P/N 12345739 (Canadian P/N 10953472), or equivalent to the upper edge of the front section of the roof main control link on the front side retainer (3).



G01451387

Fig. 74: Applying Sealer To Upper Edge Of Front Section Of Roof Main Control Link On Front Side Retainer
Courtesy of GENERAL MOTORS CORP.

5. Position the retainer to the side rail.

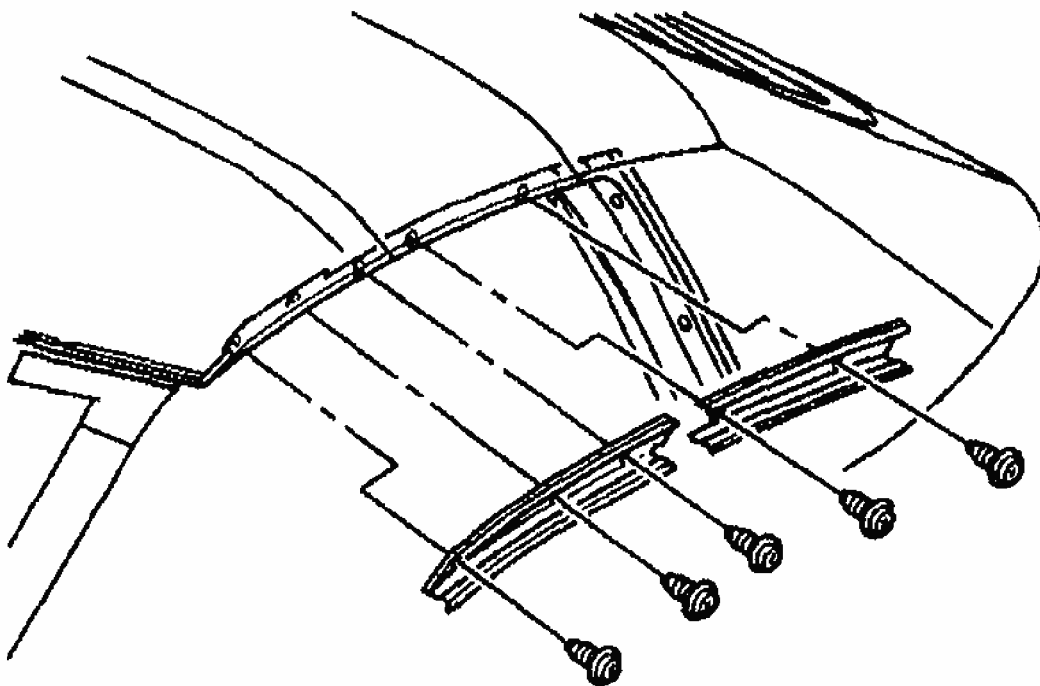
NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

6. Loosely install the front screw attaching the retainer.
7. Install the remaining screws.

Tighten

Tighten the screws to 4 N.m (35 lb in).

8. Apply sealer GM P/N 12345739 (Canadian P/N 10953472), to the retainer (3, 4) and install the weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .



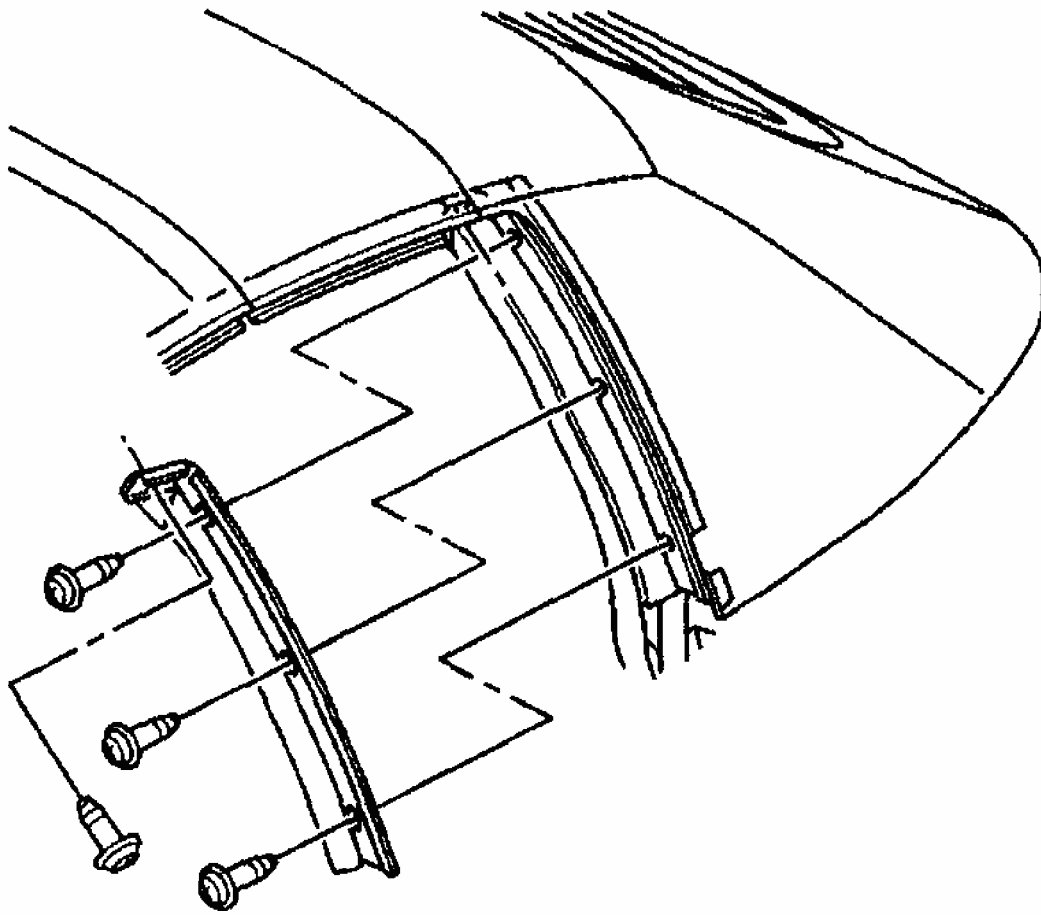
G01451388

Fig. 75: Front Screw Attaching Side Weatherstrip Retainer
 Courtesy of GENERAL MOTORS CORP.

WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)

Removal Procedure

1. Remove the rear side rail weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .
2. Remove the screws attaching the retainer to the side rail weatherstrip.
3. Remove the retainer.

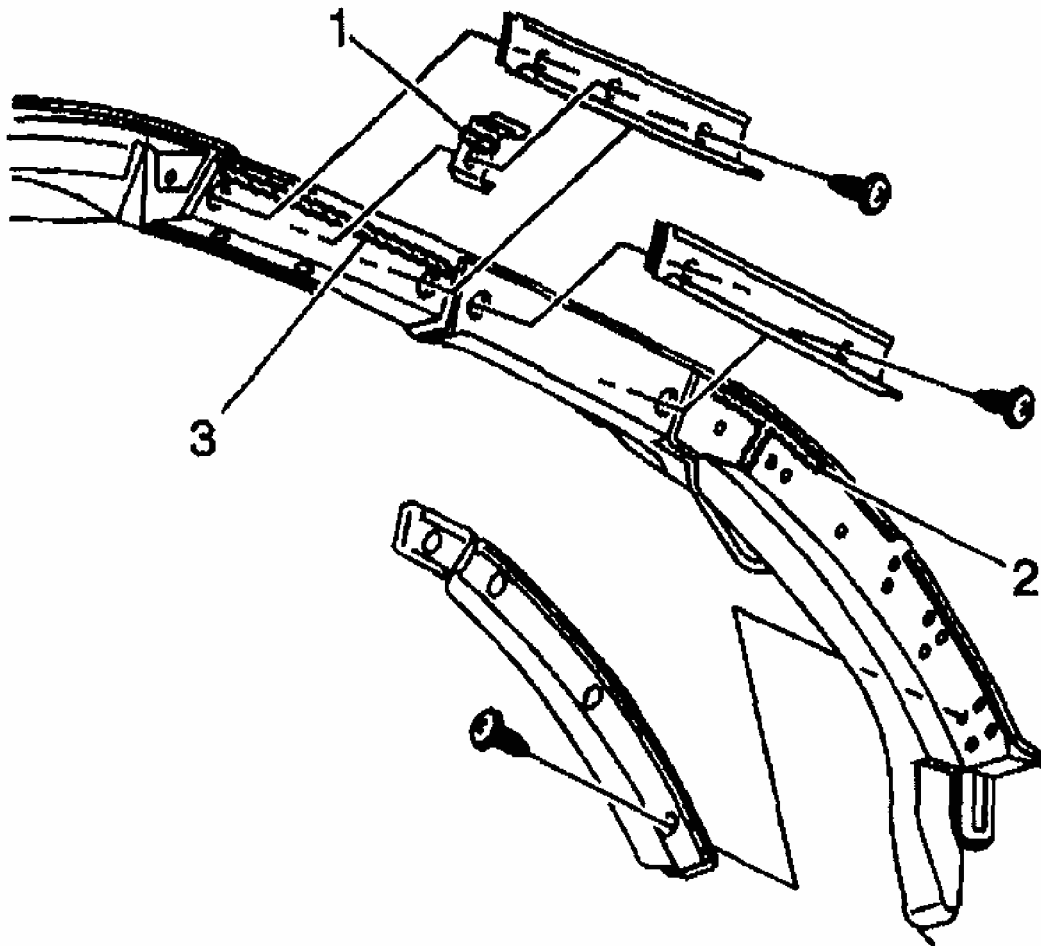


G01451389

**Fig. 76: Screws Attaching Retainer To Side Rail Weatherstrip
Courtesy of GENERAL MOTORS CORP.**

Installation Procedure

1. Apply sealer, GM P/N 12345739 (Canadian P/N 10953472), or equivalent to the upper corner of the roof side rail and to the rear of the main control link (2).



G01451390

Fig. 77: Applying Sealer To Upper Corner Of Roof Side Rail & To Rear Of Main Control Link
Courtesy of GENERAL MOTORS CORP.

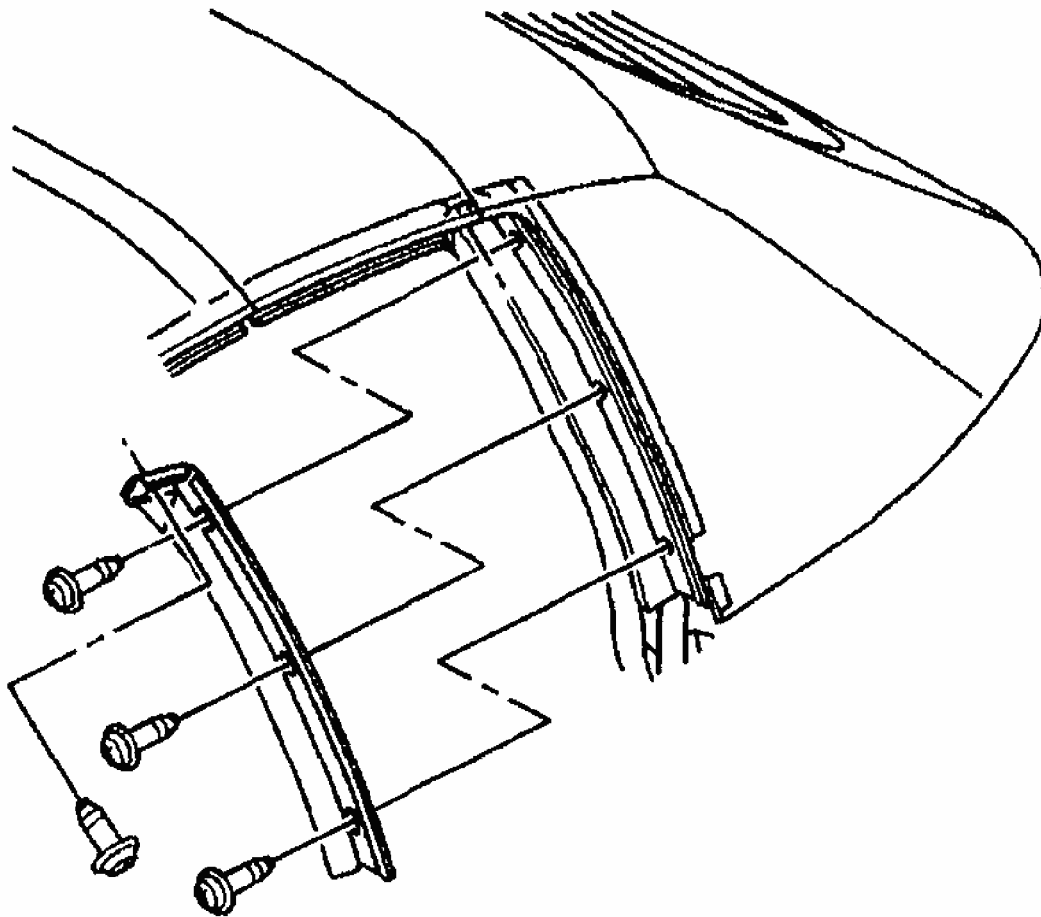
2. Position the retainer to the rear side rail.

NOTE: Refer to FASTENER NOTICE in Cautions and Notices.

3. Install the screws attaching the retainer to the rear side rail.

Tighten

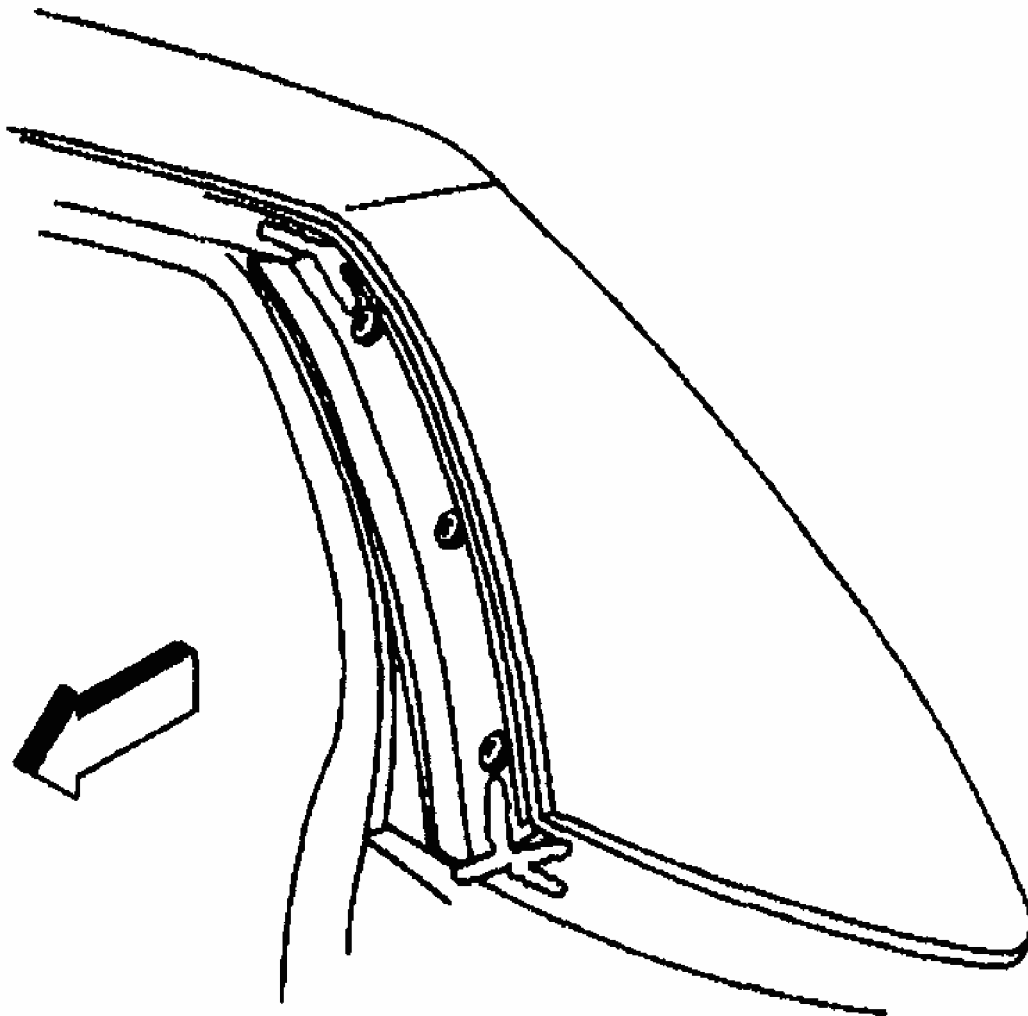
Tighten the screws to 4 N.m (35 lb in).



G01451391

Fig. 78: Screws Attaching Retainer To Rear Side Rail Weatherstrip
Courtesy of GENERAL MOTORS CORP.

4. Apply a bead of sealer, GM P/N 12345739 (Canadian P/N 10953472), or equivalent to the upper and the lower corners of the side rail retainer.
5. Install the rear side rail weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .
6. Reposition the folding top to the original position.



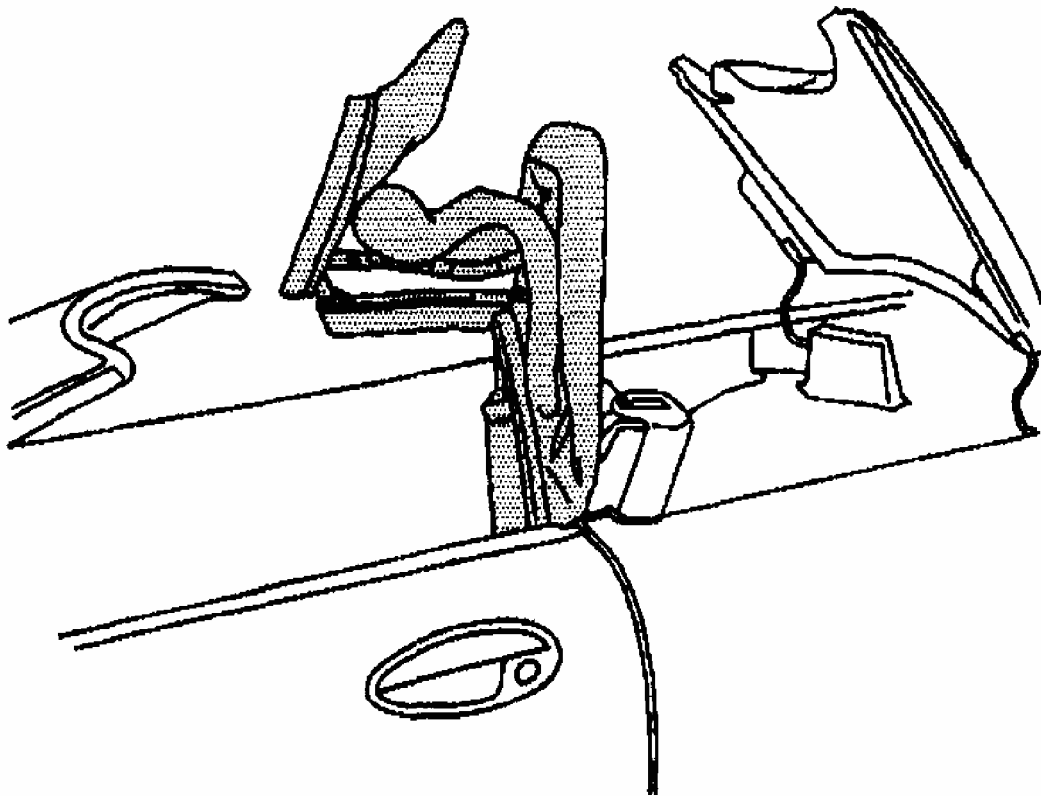
G01451392

Fig. 79: Applying Bead Of Sealer To Upper & Lower Corners Of Side Rail Retainer
Courtesy of GENERAL MOTORS CORP.

WEATHERSTRIP-FOLDING TOP STOWAGE COMPARTMENT LID

Removal Procedure

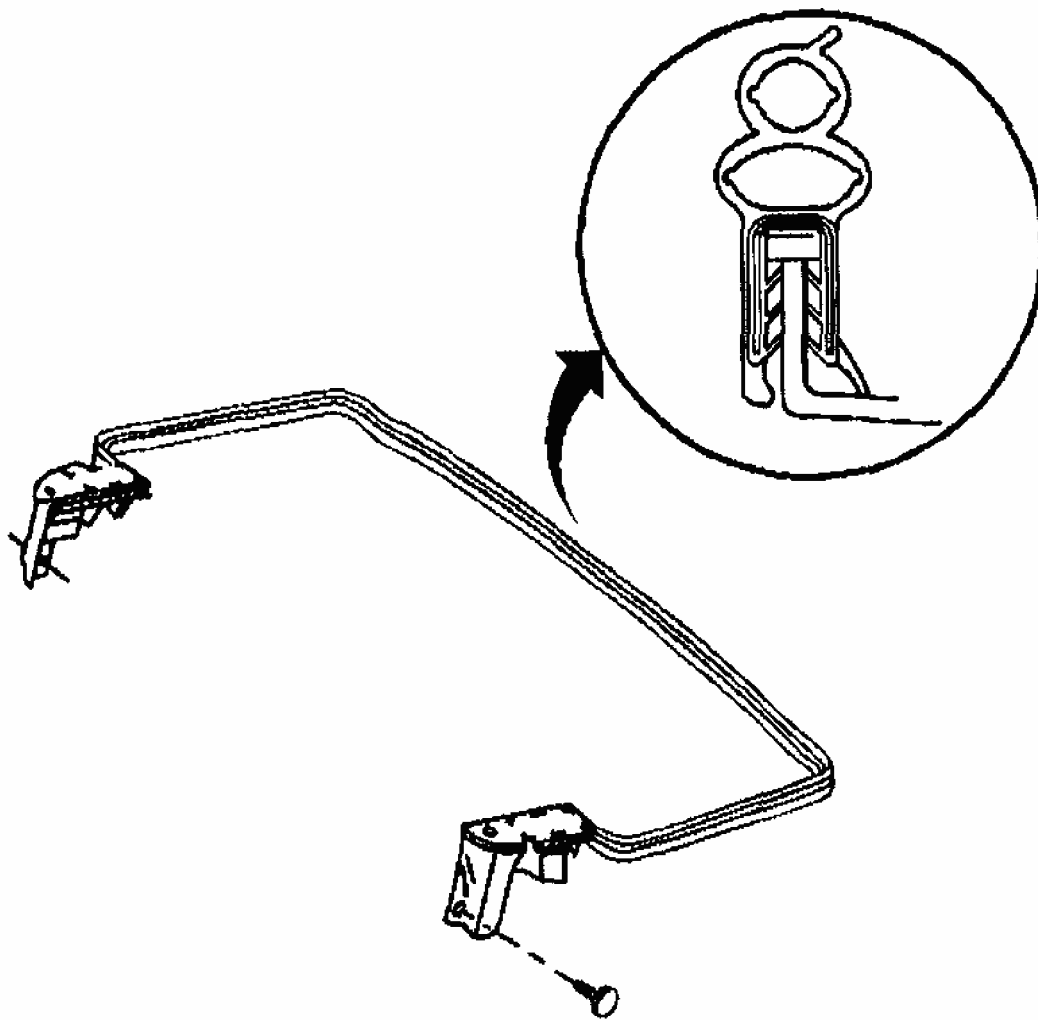
1. Position the #1 bow and the #5 bow up.
2. Open the folding top stowage compartment lid.
3. Remove the retainer from the lock pillar end of the seal.
4. Pull the molded end of the seal from the lock pillar.



G01451393

Fig. 80: Positioning #1 Bow & #5 Bow Up
Courtesy of GENERAL MOTORS CORP.

5. Pull the weatherstrip from the stowage compartment flange.

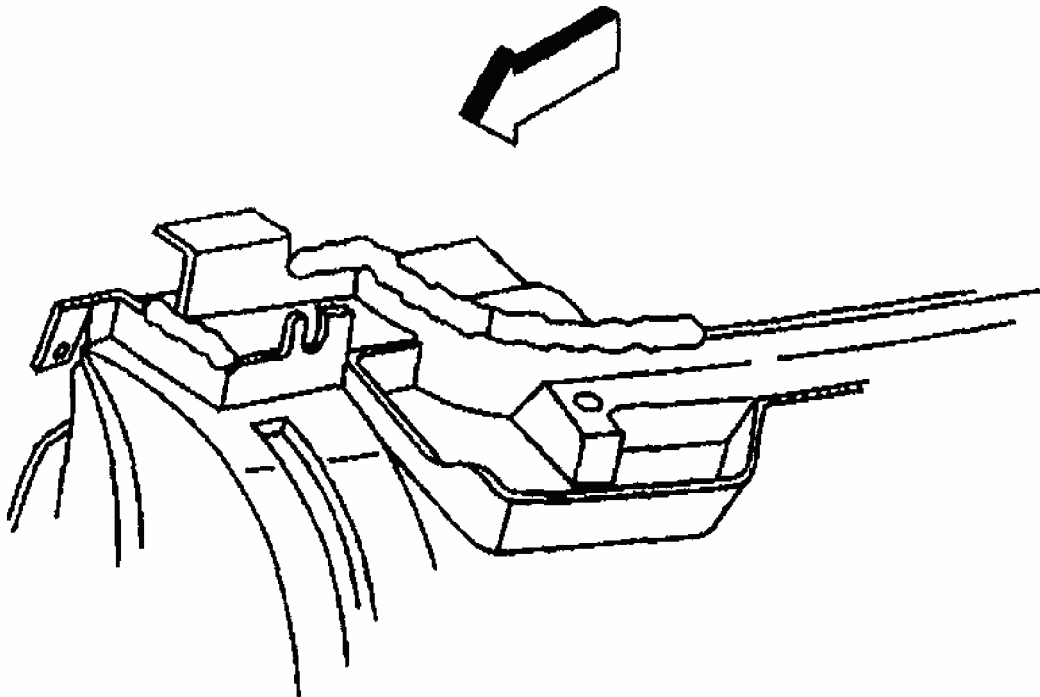


G01451394

Fig. 81: Pulling Weatherstrip From Stowage Compartment Flange
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

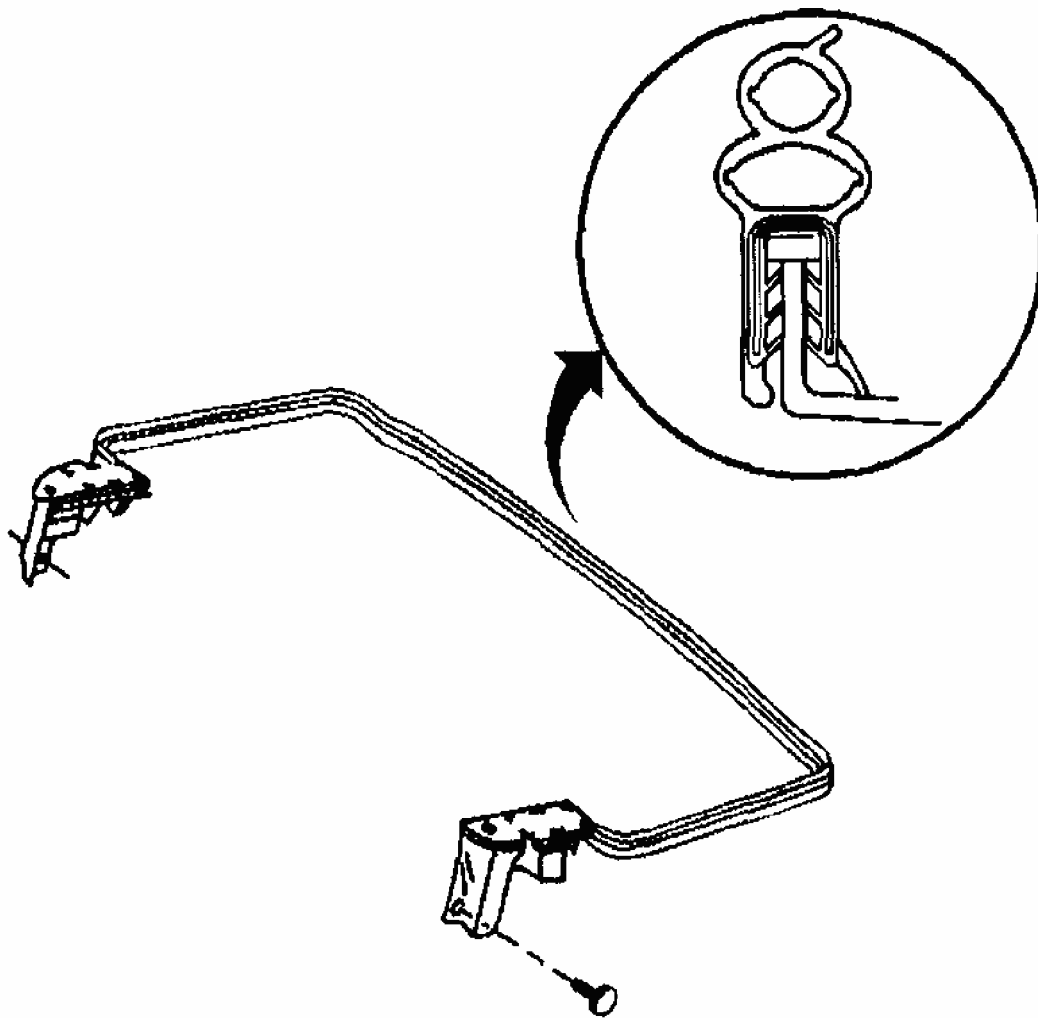
1. Apply a bead of sealer, GM P/N 12345739 or Canadian P/N 10953472, or equivalent to the front seal surface of the lock pillar stowage compartment and to the surround flange.
2. Remove the paper backing from the adhesive on the bottom of the molded ends of the weatherstrip.
3. Position the molded ends of the weatherstrip to the lock pillars.
4. Tuck the outboard lip of the seal underneath the flange of the quarter panels.
5. Secure the molded ends of the weatherstrip with the retainers.



G01451395

Fig. 82: Applying Sealer To Front Seal Surface Of Lock Pillar Stowage Compartment & To Surround Flange
Courtesy of GENERAL MOTORS CORP.

6. Firmly secure the weatherstrip to the stowage compartment flange.
7. Close the folding top stowage compartment.
8. Reposition the folding top to the original position.



G01451396

Fig. 83: Securing Weatherstrip To Stowage Compartment Flange
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP SIDE RAIL REPLACEMENT

Removal Procedure

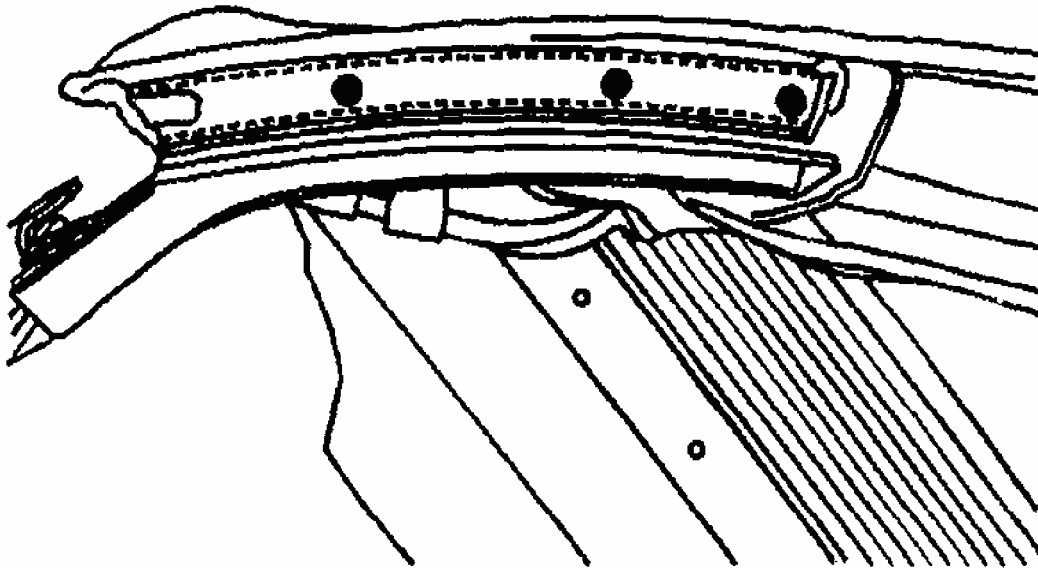
1. Remove the folding top and place the top on a clean flat surface. Refer to **FOLDING TOP REPLACEMENT** .
2. Remove the following components from the rear side rail:
 1. The headliner screws
 2. The headliner elastic strap screws
 3. The glare cover elastic strap screws

4. The defogger wire
3. Remove the weatherstrip and retainer from the rear side rail. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)**

CAUTION: Refer to **SAFETY GLASSES CAUTION** in Cautions and Notices.

4. Drill out the rivets to the top cover side flap from the rear side rail.
5. Lift the flap and drill out the rivet attaching the tension cable flag.
6. Drill out the top cover rivet to the bottom of the rear side rail.
7. Remove the protective pad from the weatherstrip attaching nuts on the #5 bow.
8. Remove the weatherstrip attaching nuts from the #5 bow.

Important: You are not required to completely remove the weatherstrip.



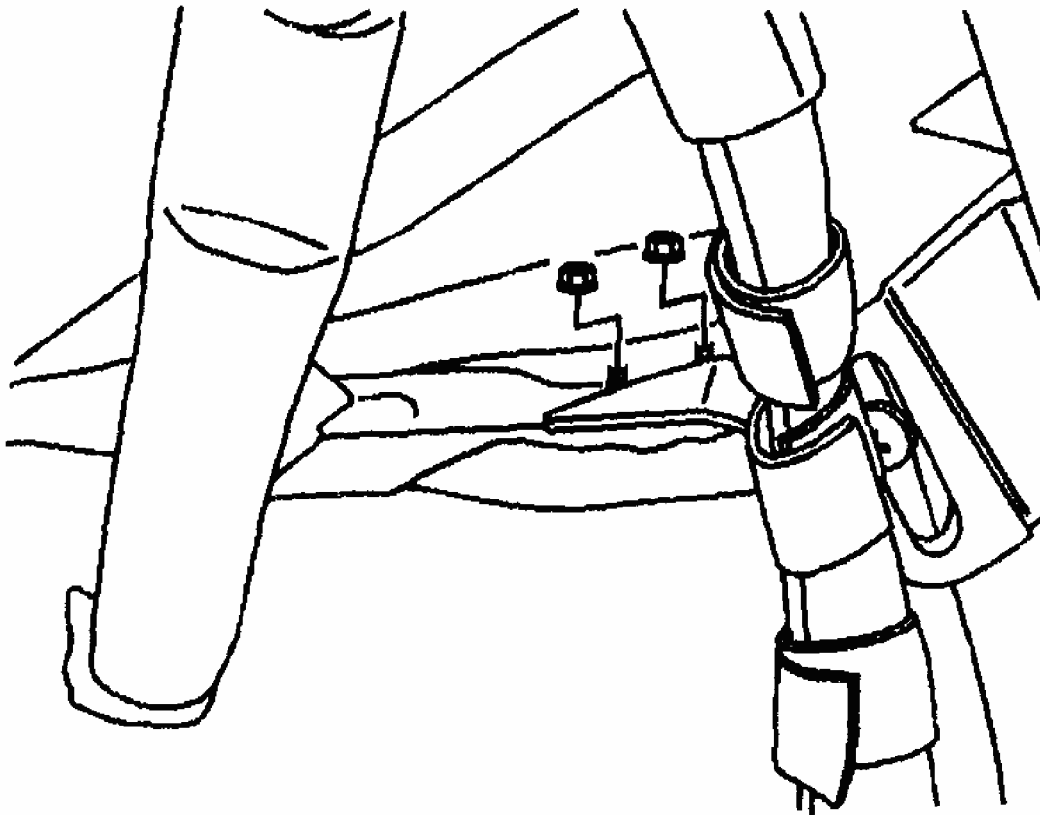
G01451397

Fig. 84: Rivets That Secure Top Cover Side Flaps & Tension Cable Flag To Rear Side Rail

Courtesy of GENERAL MOTORS CORP.

9. Remove the weatherstrip from the bottom of the rear side rail and from the end of the #5 bow. You are not required to completely remove the weatherstrip.

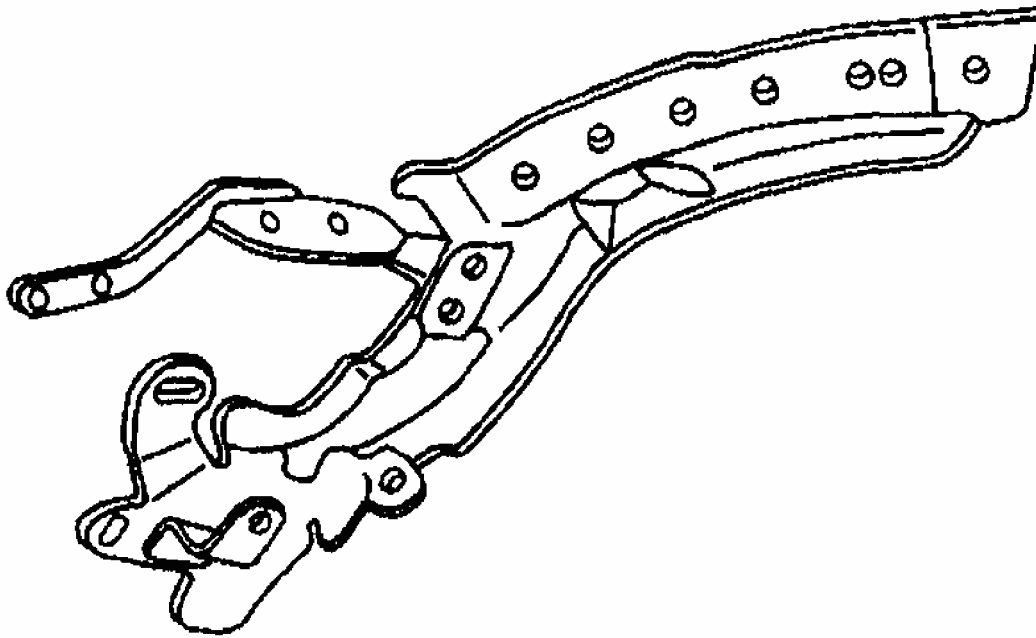
10. Remove the top cover and the protective cover from the bottom of the rear side rail and from the front edge of the #5 bow.
11. Drill out the rivets from the protective cover elastic strap on the rear side rail.
12. Drill out the extension bracket rivet from the #5 bow on the rear side rail.
13. Remove the extension bracket screws from the rear side rail on the #5 bow.
14. Remove the rear side rail screws from the center side rail.



G01451398

Fig. 85: Weatherstrip Attaching Nuts From #5 Bow
Courtesy of GENERAL MOTORS CORP.

15. Remove the rear side rail.



G01451399

Fig. 86: Rear Side Rail
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Install the rear side rail.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Install the center side rail screws to the rear side rail.

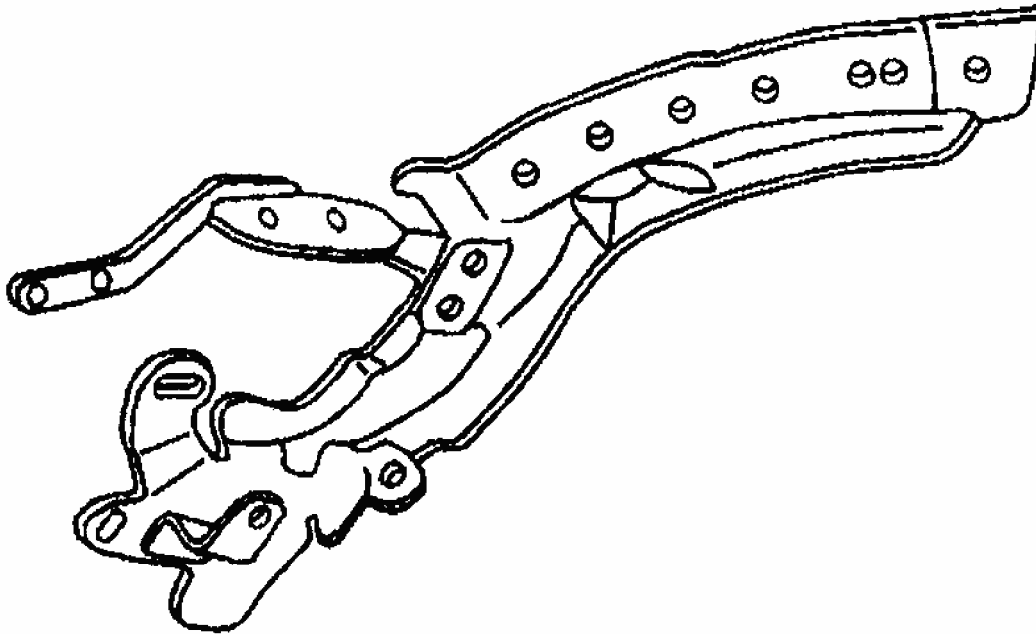
Tighten

Tighten the screws to 19 N.m (14 lb ft).

3. Install the extension bracket screws to the #5 bow.

Tighten

Tighten the screws to 13 N.m (10 lb ft).

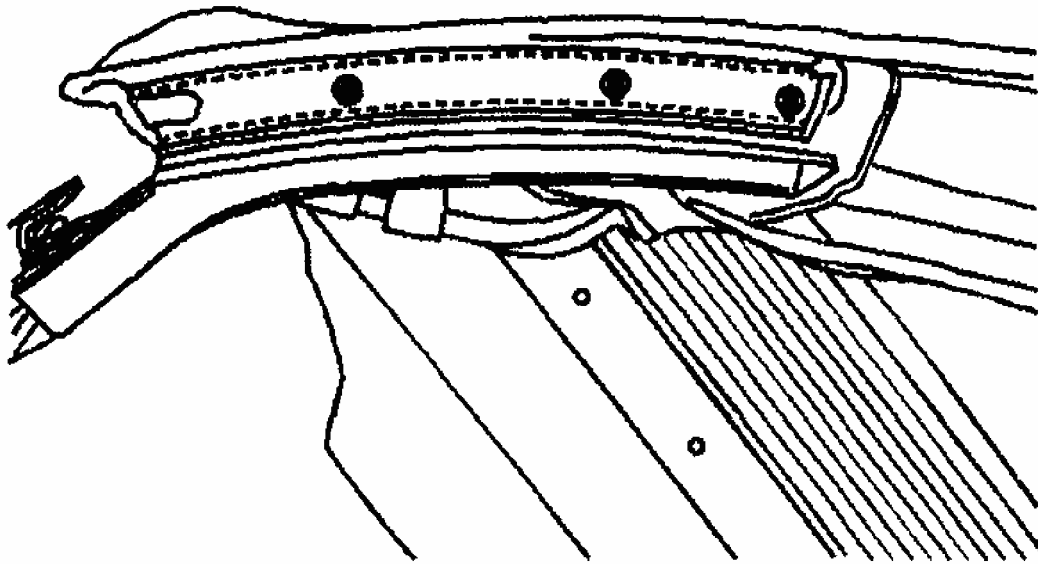


G01451400

Fig. 87: Rear Side Rail

Courtesy of GENERAL MOTORS CORP.

4. Rivet the #5 bow to the extension bracket on the rear side rail. Verify that both sides of the rivet are flat.
5. Rivet the protector elastic strap to the rear side rail.
6. Rivet the tension cable flag to the rear side rail. The rolled side of the flag must face forward.
7. Rivet the top cover to the bottom of the rear side rail.
8. Rivet the top flap to the rear side rail.
9. Install the retainer and the seal to the rear side rail. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** .



G01451401

Fig. 88: Rivets That Secure Top Cover Side Flaps & Tension Cable Flag To Rear Side Rail

Courtesy of GENERAL MOTORS CORP.

10. Install the screws attaching the headliner elastic strap to the rear side rail.

Tighten

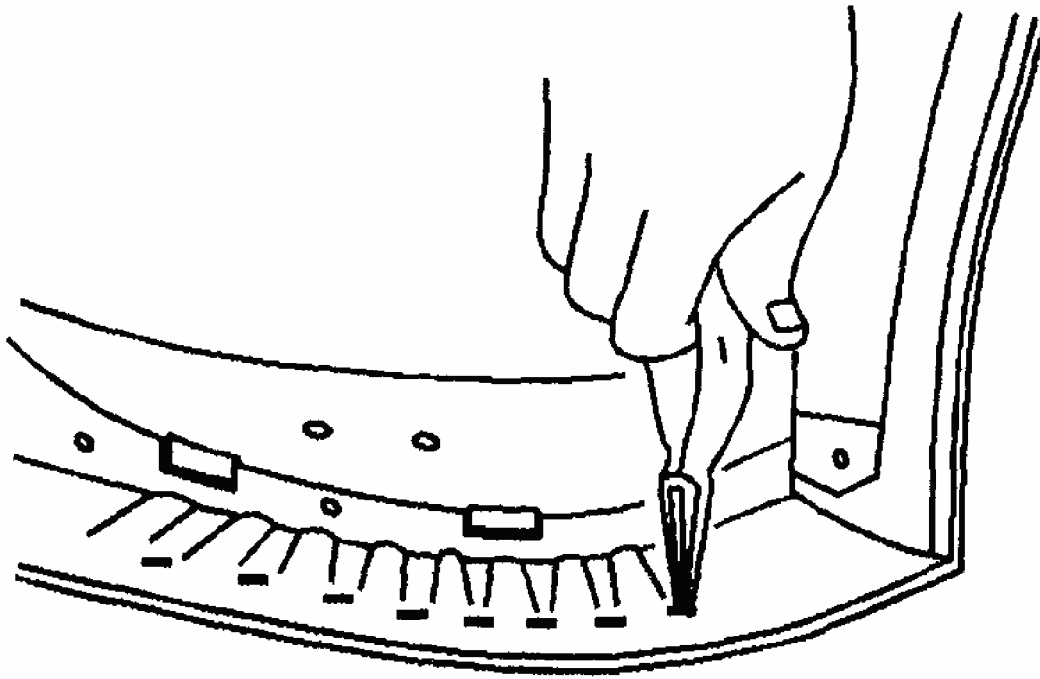
Tighten the screws to 2 N.m (18 lb in).

11. Install the headliner screws to the rear side rail.

Tighten

Tighten the screws to 2 N.m (18 lb in).

12. Connect the defogger wire to the rear side rail.
13. Install the folding top to the vehicle. Refer to **FOLDING TOP REPLACEMENT** .
14. Position the folding top to the original position.



G01451402

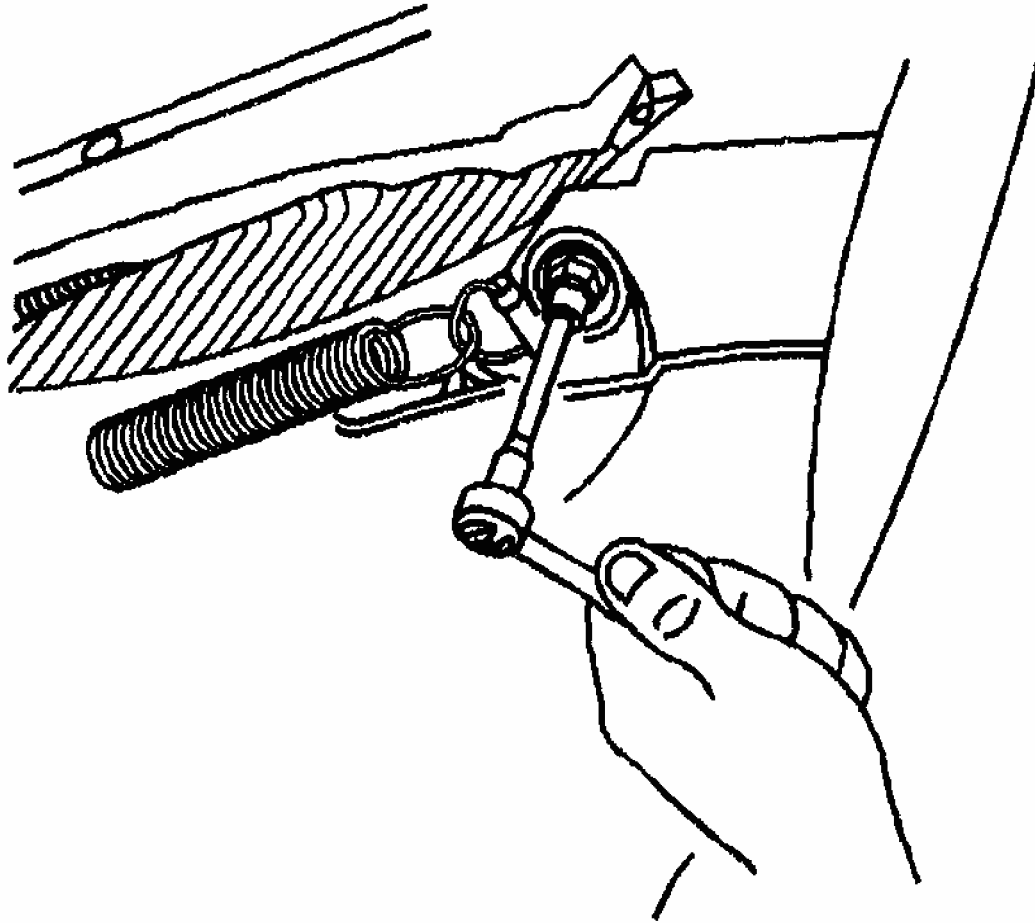
Fig. 89: Staples That Secure Top Cover To Bow
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP COVER REPLACEMENT

Removal Procedure

1. Remove the convertible top and place the top on a clean flat surface. Refer to **FOLDING TOP REPLACEMENT** .
2. Remove the seal compression panel from the #1 bow. Refer to **FOLDING TOP SEAL COMPRESSION PANEL REPLACEMENT** .
3. Using a pair of needle-nosed pliers remove the staples that secure the top cover to the bow.
4. Fold the top material back.
5. Remove the tension cable screw and feed the cable out between the side rail and the roof bow.
6. Remove the fourth right and the left screws attaching the top material to the #2 bow.
7. Remove the #5 bow weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .

8. If you are going to reuse the top material mark the location of the material on the #5 bow as a guide for reassembly.



G01451403

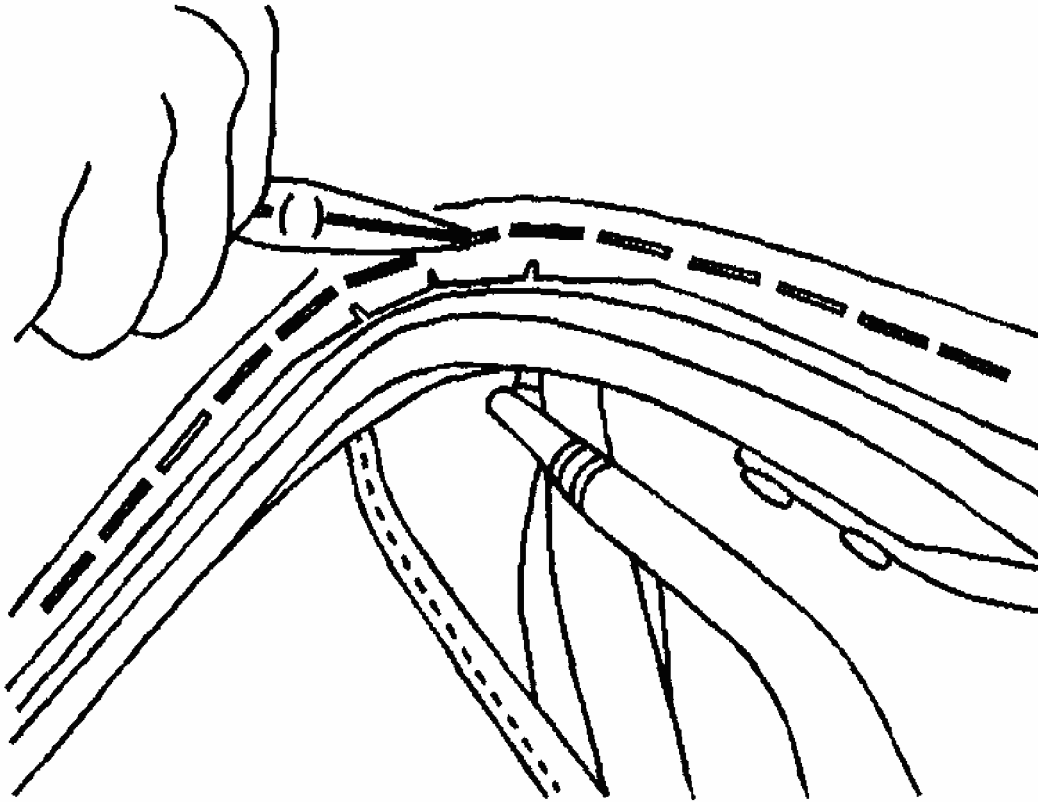
Fig. 90: Tension Cable Screw
Courtesy of GENERAL MOTORS CORP.

9. Using a pair of needle-nosed pliers remove the staples which secure the top cover to the bow.

CAUTION: Refer to SAFETY GLASSES CAUTION in Cautions and Notices.

10. Drill out the rivets attaching the top material to the bottom of the rear side rails.
11. Remove the top material from the #5 bow.
12. Pull the top material from the rear side rail and from the front of the #5 bow.

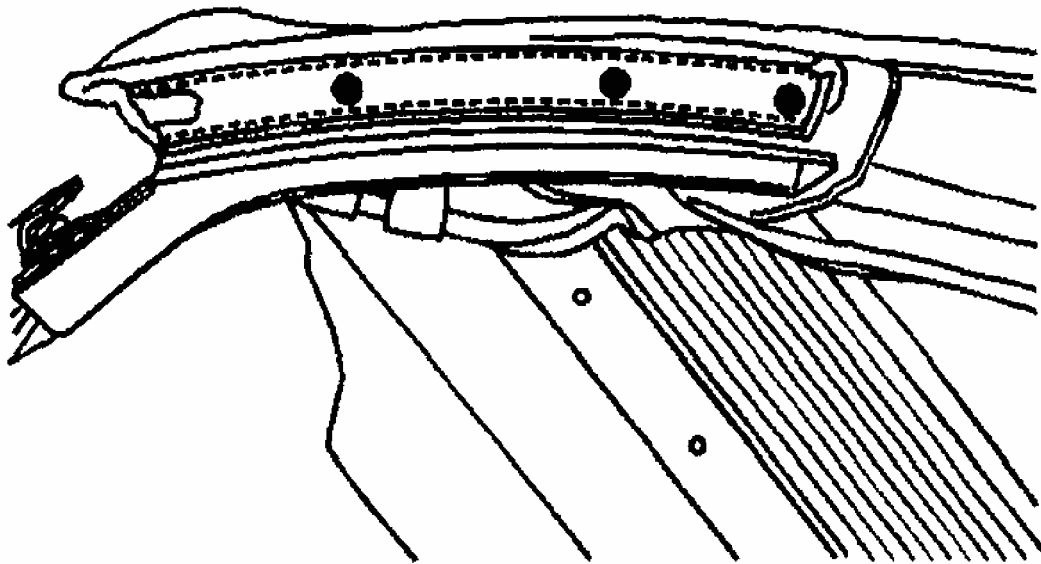
13. Remove the rear side rail weatherstrip and retainer. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** .



G01451404

Fig. 91: Staples Which Secure Top Cover To Bow
Courtesy of GENERAL MOTORS CORP.

14. Drill out the rivets that secure the top cover flaps to the rear side rail.
15. Drill out the rivets that secure the tension cable flag to the rear side rail.

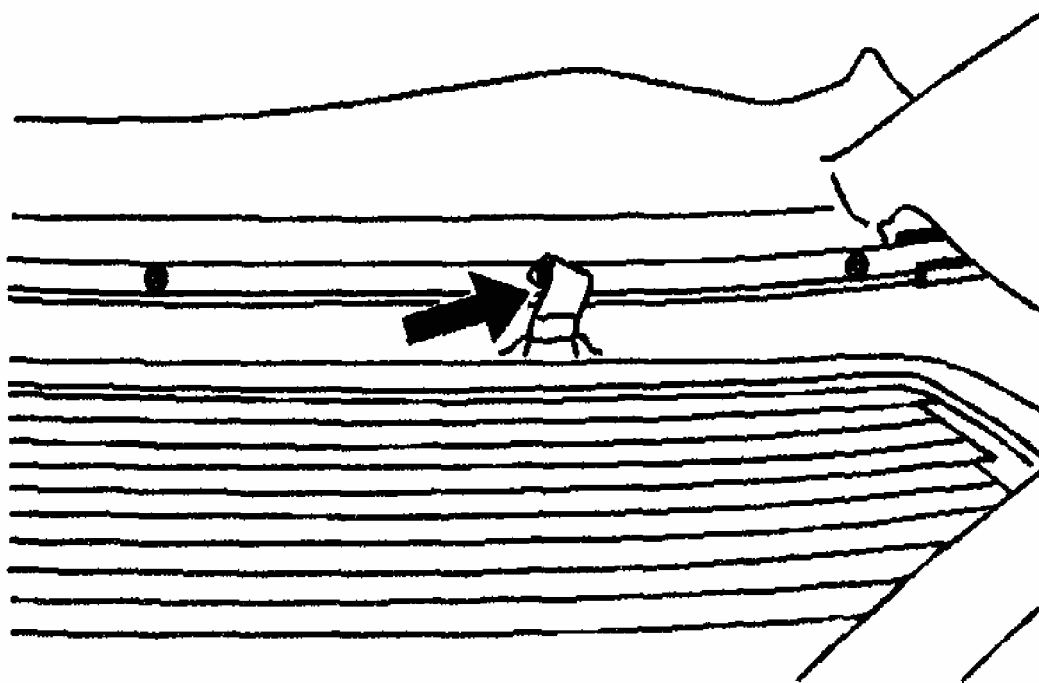


G01451405

Fig. 92: Rivets That Secure Top Cover Flaps & Tension Cable Flag To Rear Side Rail

Courtesy of GENERAL MOTORS CORP.

16. Remove the screws attaching the rear window support straps to the #4 bow.
17. Remove the top material.



G01451406

Fig. 93: Screws Attaching Rear Window Support Straps To #4 Bow
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

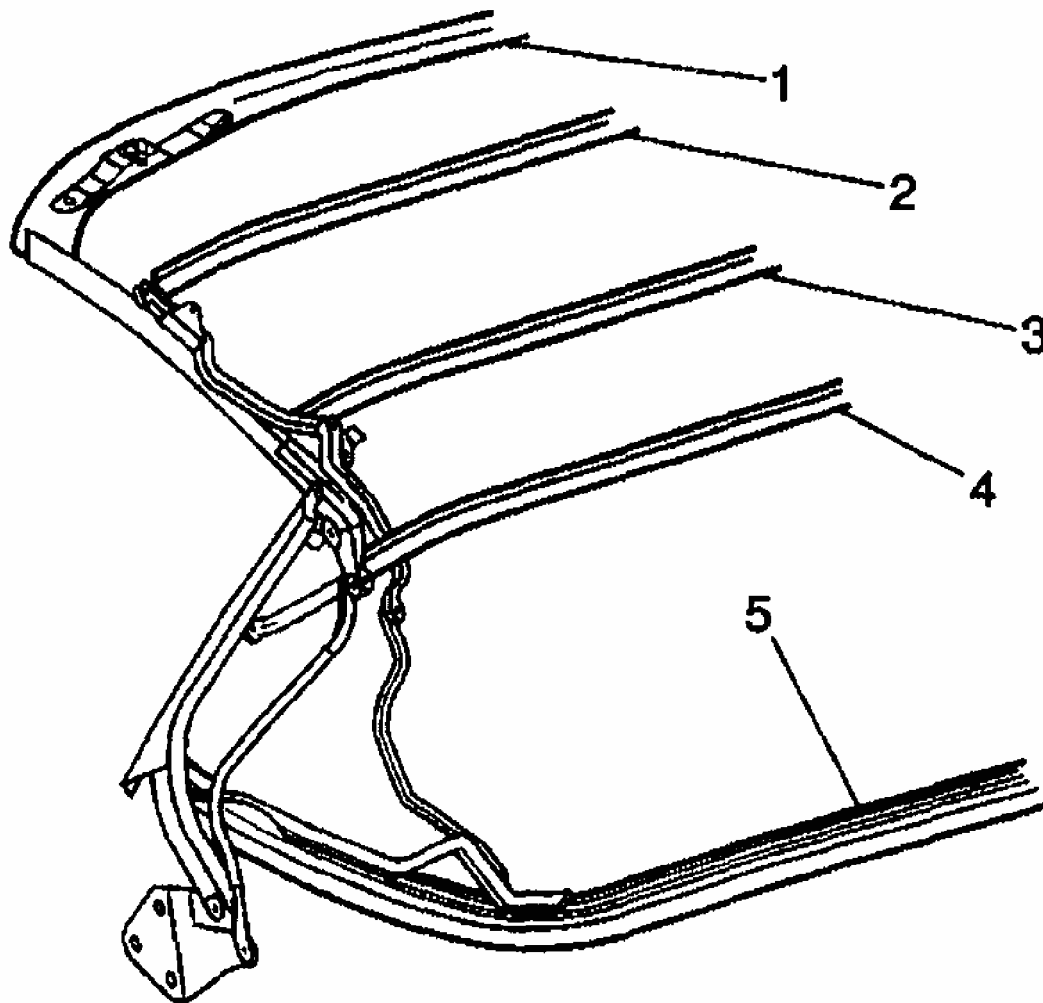
1. Position the top cover over the roof bows.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Attach the top cover to the #2 bow with screws.

Tighten

Tighten the screws to 2 N.m (18 lb in).



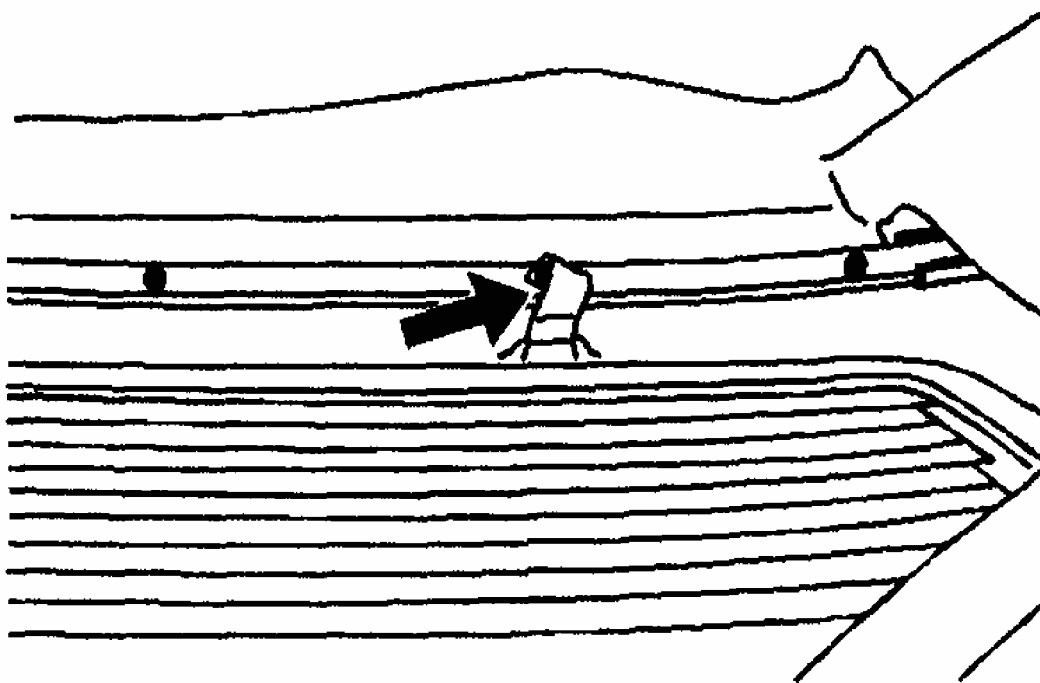
G01451407

Fig. 94: Top Cover Over Roof Bows
Courtesy of GENERAL MOTORS CORP.

3. Attach the rear window support straps to the #4 bow.

Tighten

Tighten the screws to 2 N.m (18 lb in).



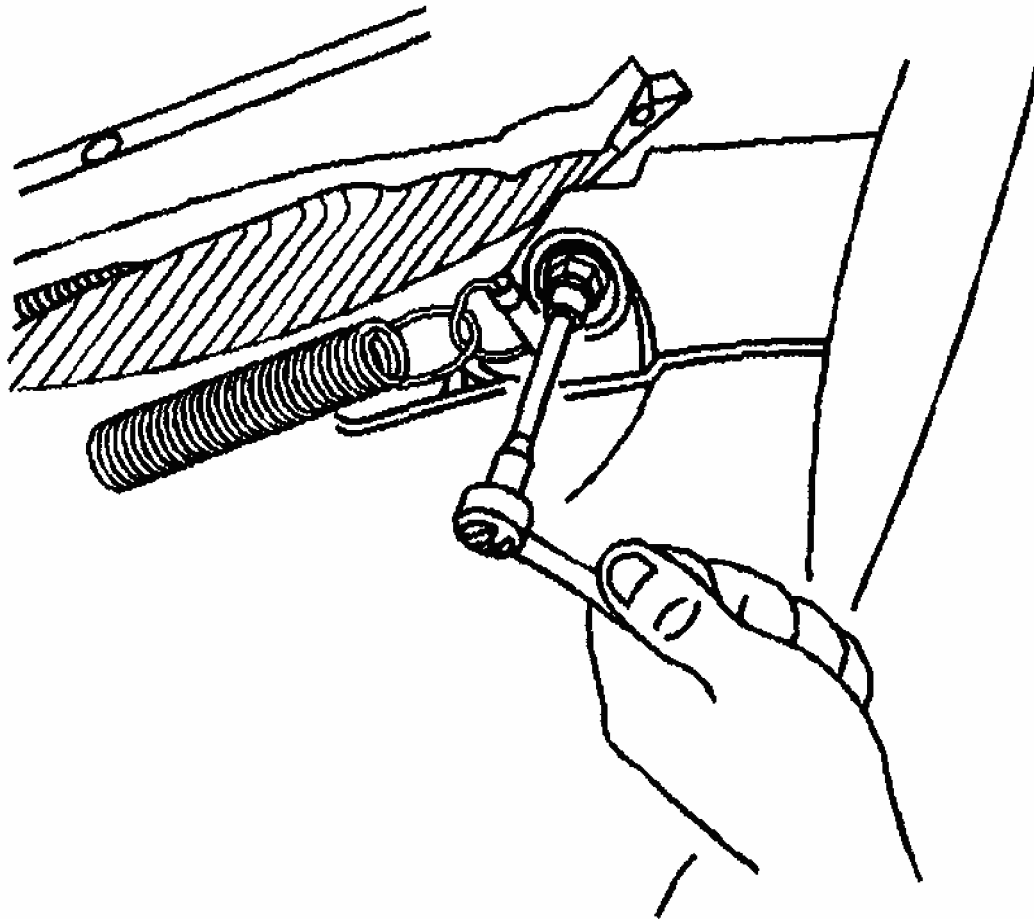
G01451408

Fig. 95: Rear Window Support Straps To #4 Bow
Courtesy of GENERAL MOTORS CORP.

4. Rivet the flag end of the tension cable to the back side of the rear side rail.
5. Route the tension cables and install the cables to the #1 bow.

Tighten

Tighten the screw to 2 N.m (18 lb in).

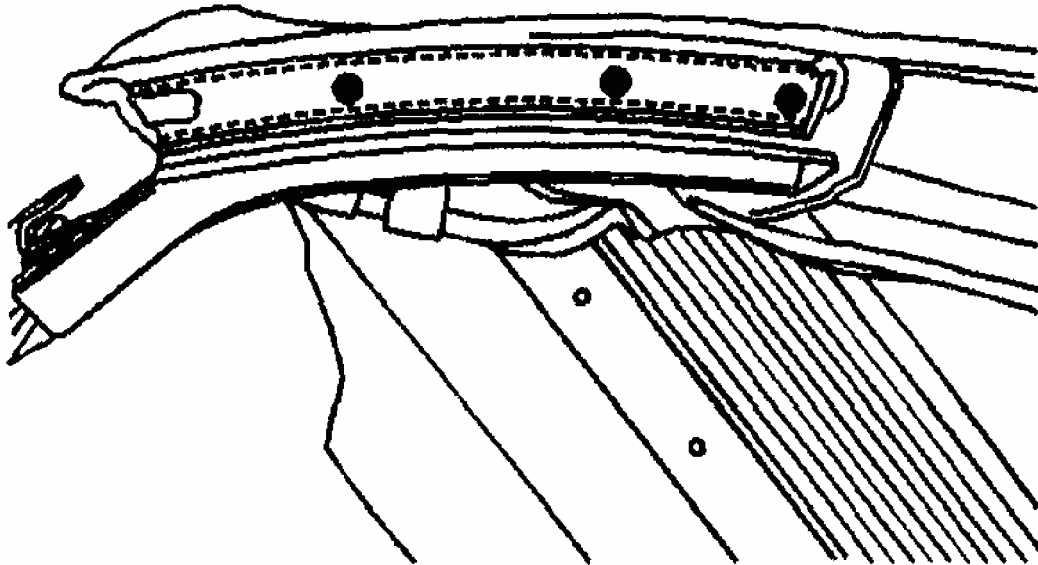


G01451409

Fig. 96: Tension Cables To #1 Bow
Courtesy of GENERAL MOTORS CORP.

6. Rivet the top cover flags to the side rails.
7. Rivet the top cover to the bottom of the rear side rail.
8. Assure that both sides of the rivet are flat so the rivet will not cut the top material or interfere with the seating of the retainer to the rear side rail weatherstrip. Before stapling the top cover to the #5 bow, Refer to [FOLDING TOP COVER TENSION ADJUSTMENT - REAR](#) .
9. Before stapling the top cover to the #1 bow, refer to [FOLDING TOP COVER TENSION ADJUSTMENT - FRONT](#) .
10. Install the weatherstrips and the weatherstrip retainers to the rear side rails. Refer to [WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP \(FRONT AND CENTER SIDE RAIL\)](#) or [WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP \(REAR SIDE RAIL\)](#) .

11. Install the folding top. Refer to **FOLDING TOP REPLACEMENT**
12. Position the folding top to the original position.



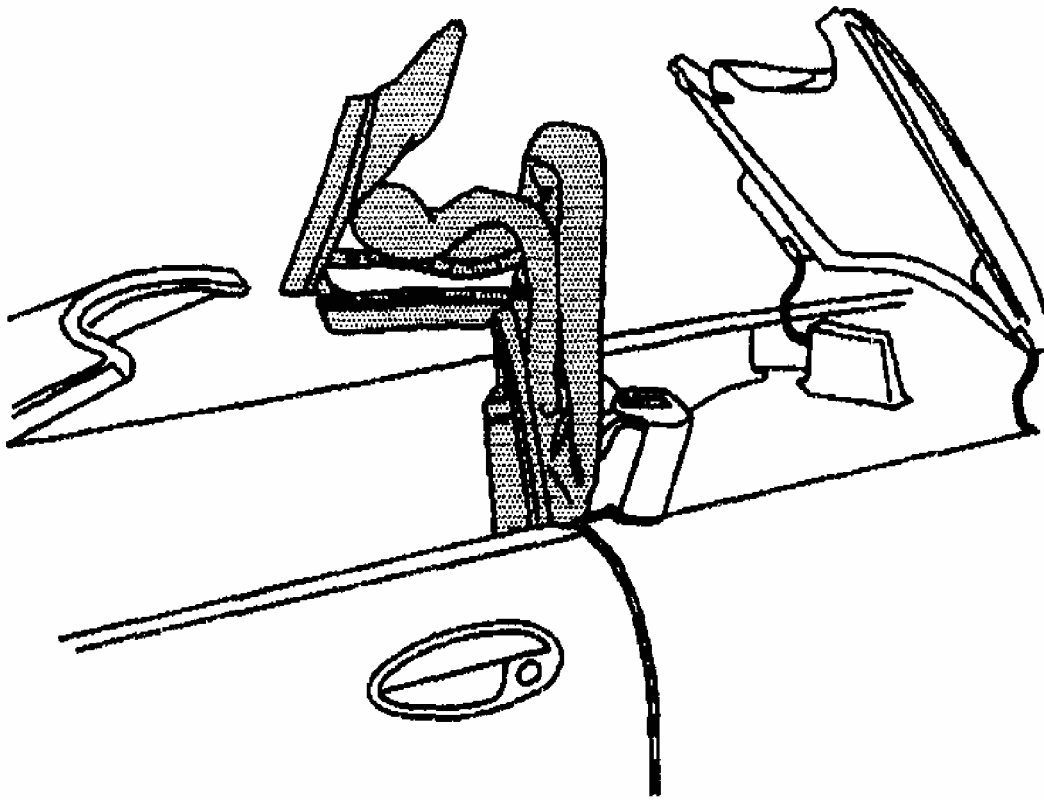
G01451410

Fig. 97: Rivets That Secure Top Cover Flags To Rear Side Rail
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 1 BOW)

Removal Procedure

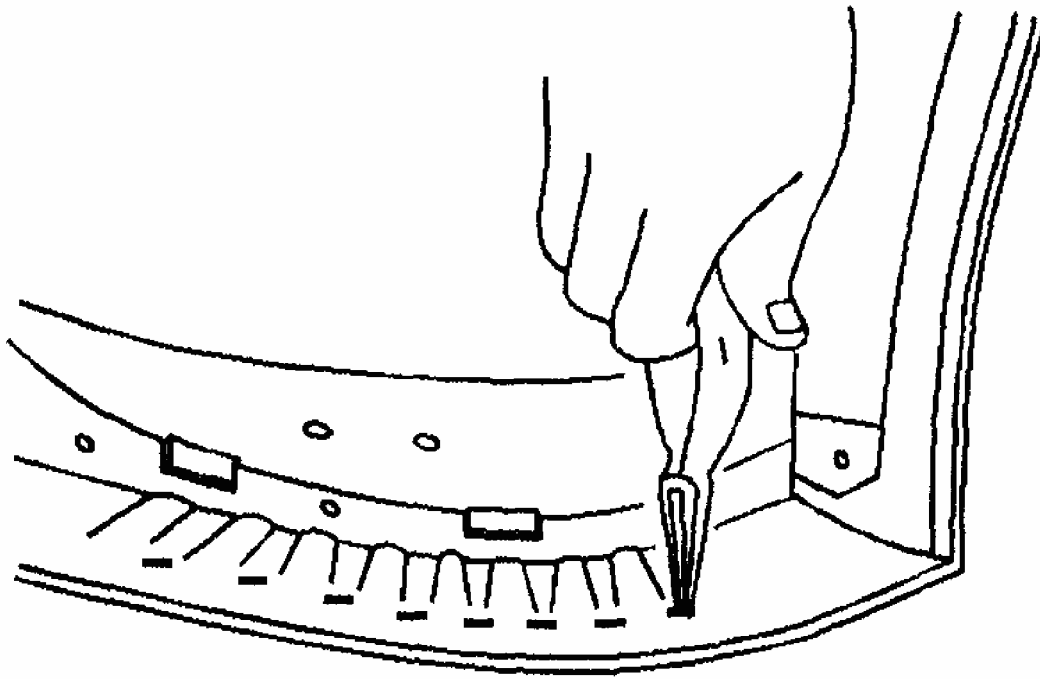
1. Position the top with the #1 bow up.
2. Remove the seal compression panel. Refer to **FOLDING TOP SEAL COMPRESSION PANEL REPLACEMENT** .
3. Using a grease pencil mark the location of the top material where it wraps over the #1 bow to aid in installation.



G01451411

Fig. 98: Positioning Folding Top With #1 Bow Up
Courtesy of GENERAL MOTORS CORP.

4. Using a pair of needle nose pliers remove the top cover staples from the #1 bow.

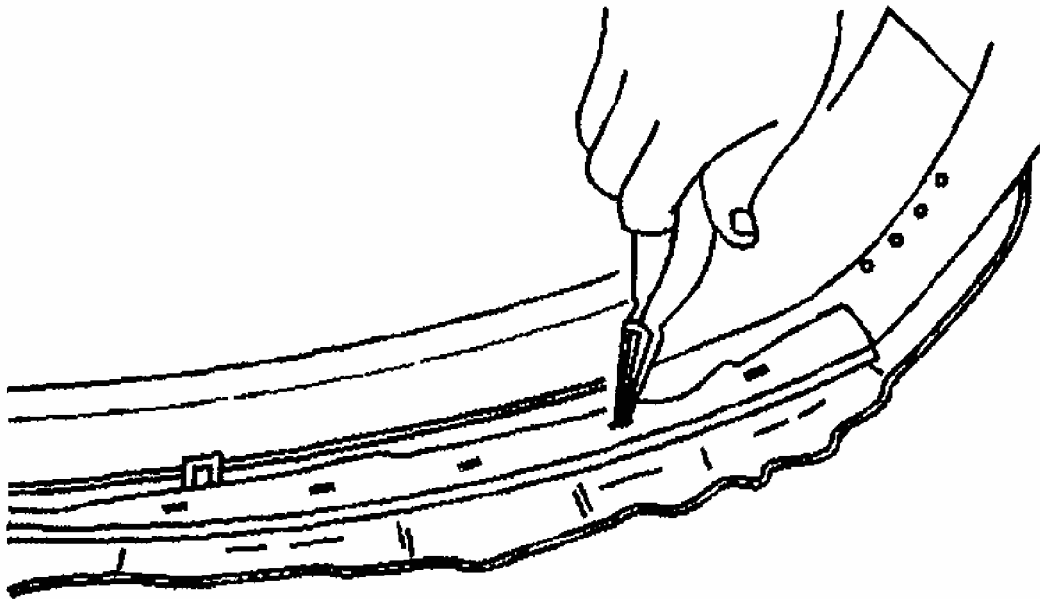


G01451412

Fig. 99: Using Pair Of Needle Nose Pliers To Remove Top Cover Staples From #1 Bow

Courtesy of GENERAL MOTORS CORP.

5. Remove the headliner staples from the #1 bow.

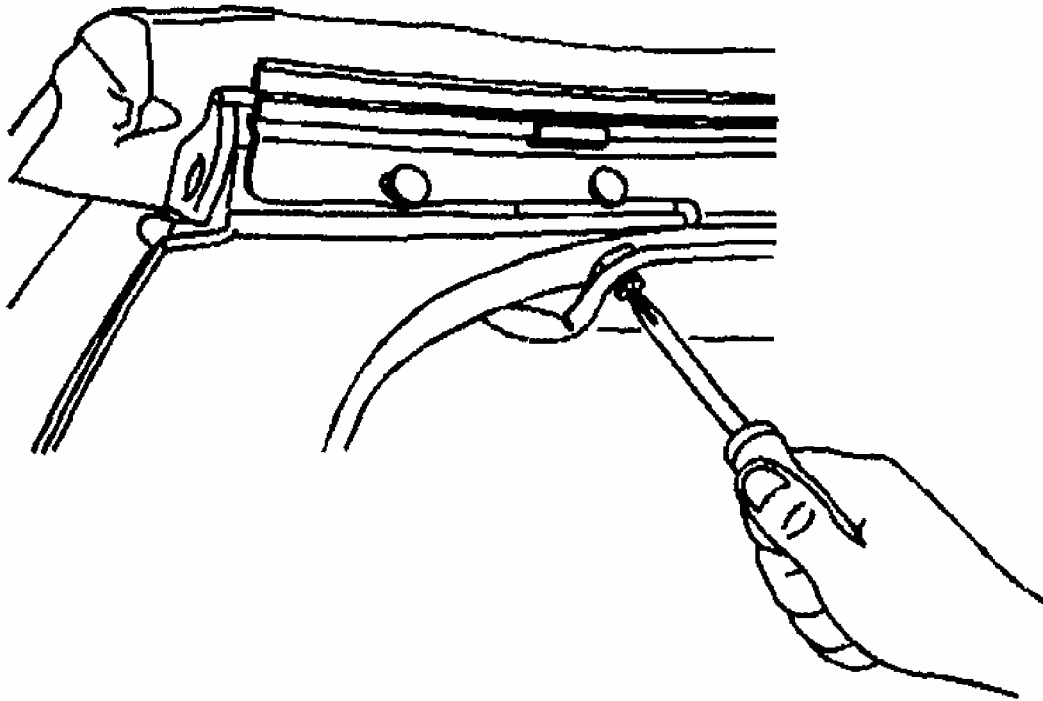


G01451413

Fig. 100: Headliner Staples From #1 Bow
Courtesy of GENERAL MOTORS CORP.

CAUTION: Refer to SAFETY GLASSES CAUTION in Cautions and Notices.

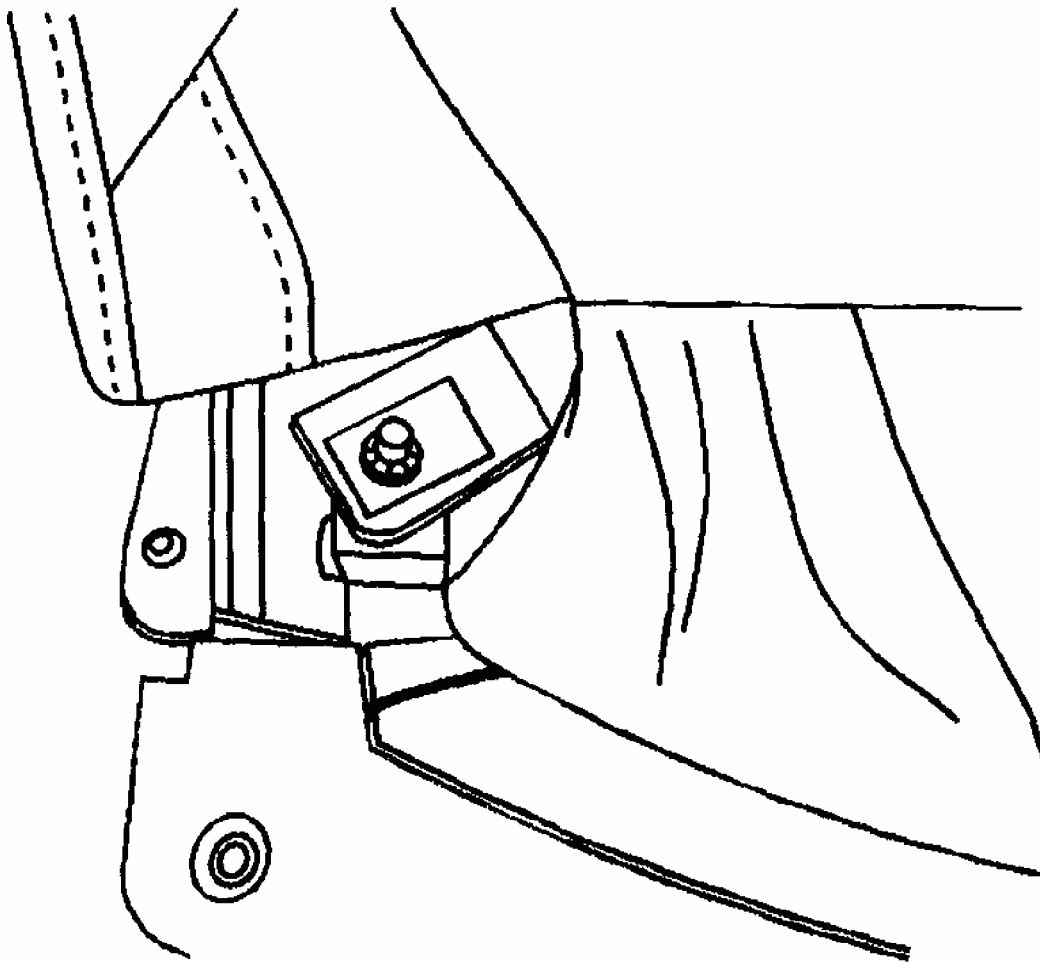
6. Drill out the stay pad rivets from the #1 bow.
7. Remove the headliner screws from the #1 bow.



G01451414

Fig. 101: Headliner Screws From #1 Bow
Courtesy of GENERAL MOTORS CORP.

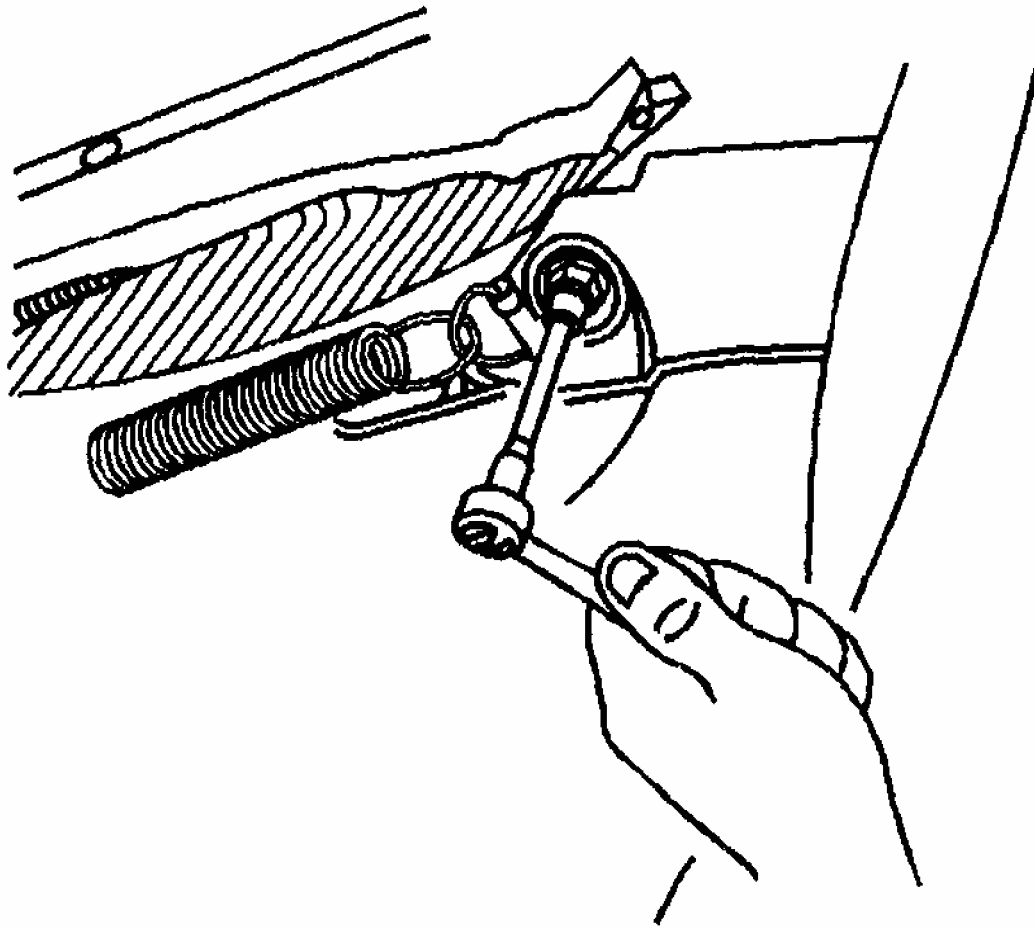
8. Remove the headliner push-on retainers from the #1 bow.



G01451415

Fig. 102: Headliner Push-On Retainers From #1 Bow
Courtesy of GENERAL MOTORS CORP.

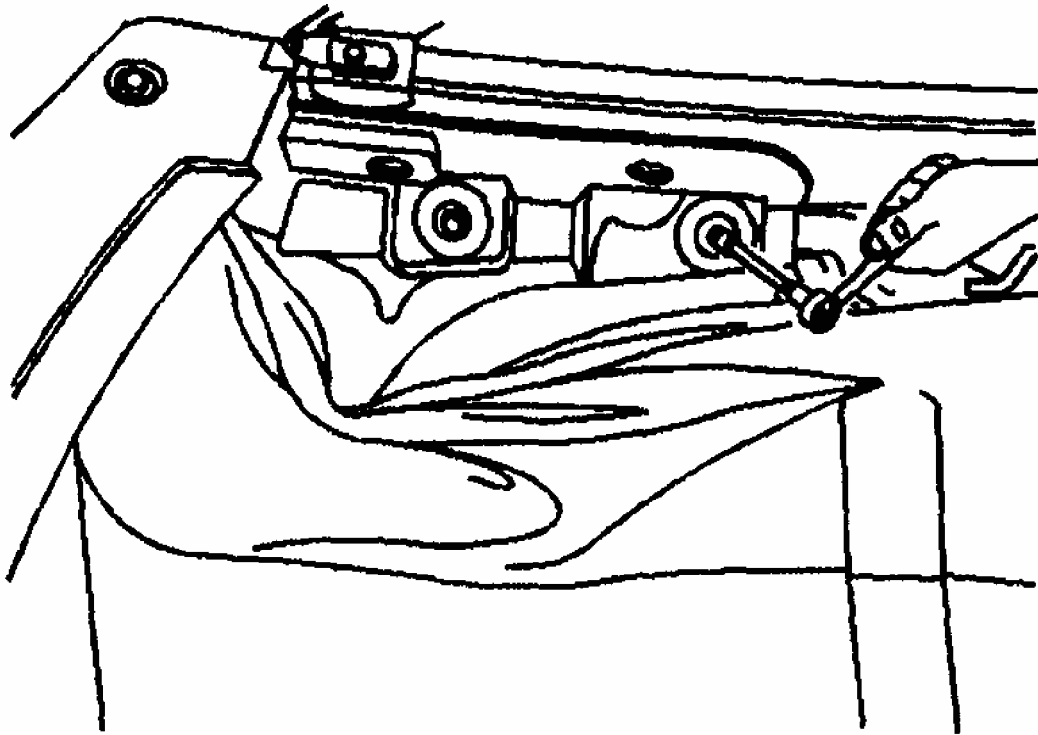
9. Remove the tension cables screws from the #1 bow.
10. Using a grease pencil mark the location of the #1 bow to the front side rails.



G01451416

Fig. 103: Tension Cables Screws From #1 Bow
Courtesy of GENERAL MOTORS CORP.

11. Remove the #1 bow nuts from the front side rails.
12. Remove the #1 bow.



G01451417

Fig. 104: #1 Bow Nuts From Front Side Rails
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Position the #1 bow to the marks on the front side rails with the tension cables through the corner slots.

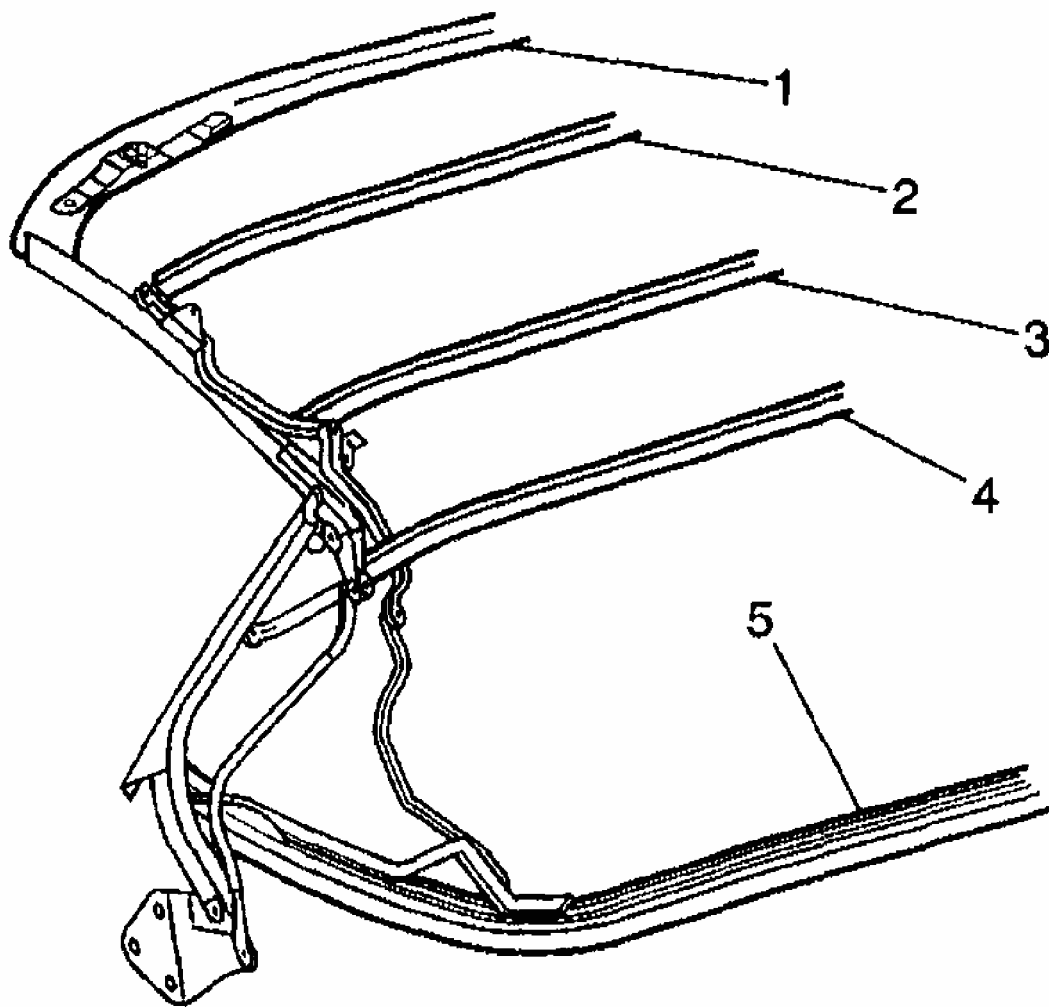
NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

2. Install the #1 bow (1) nuts to the front side rails.

Tighten

Tighten the nuts to 14 N.m (10 lb ft).

3. Rivet the stay pad to the #1 bow.



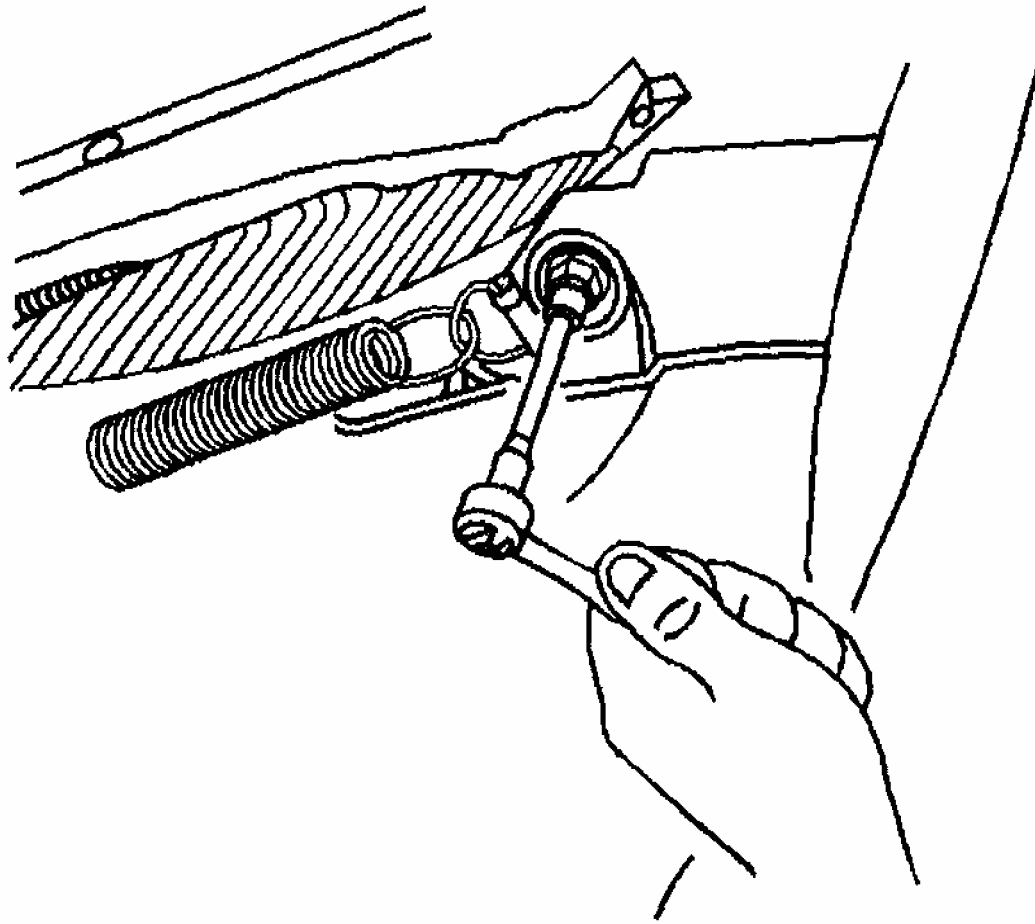
G01451418

Fig. 105: #1 Bow Nuts To Front Side Rails
Courtesy of GENERAL MOTORS CORP.

4. Install the tension cable screws.

Tighten

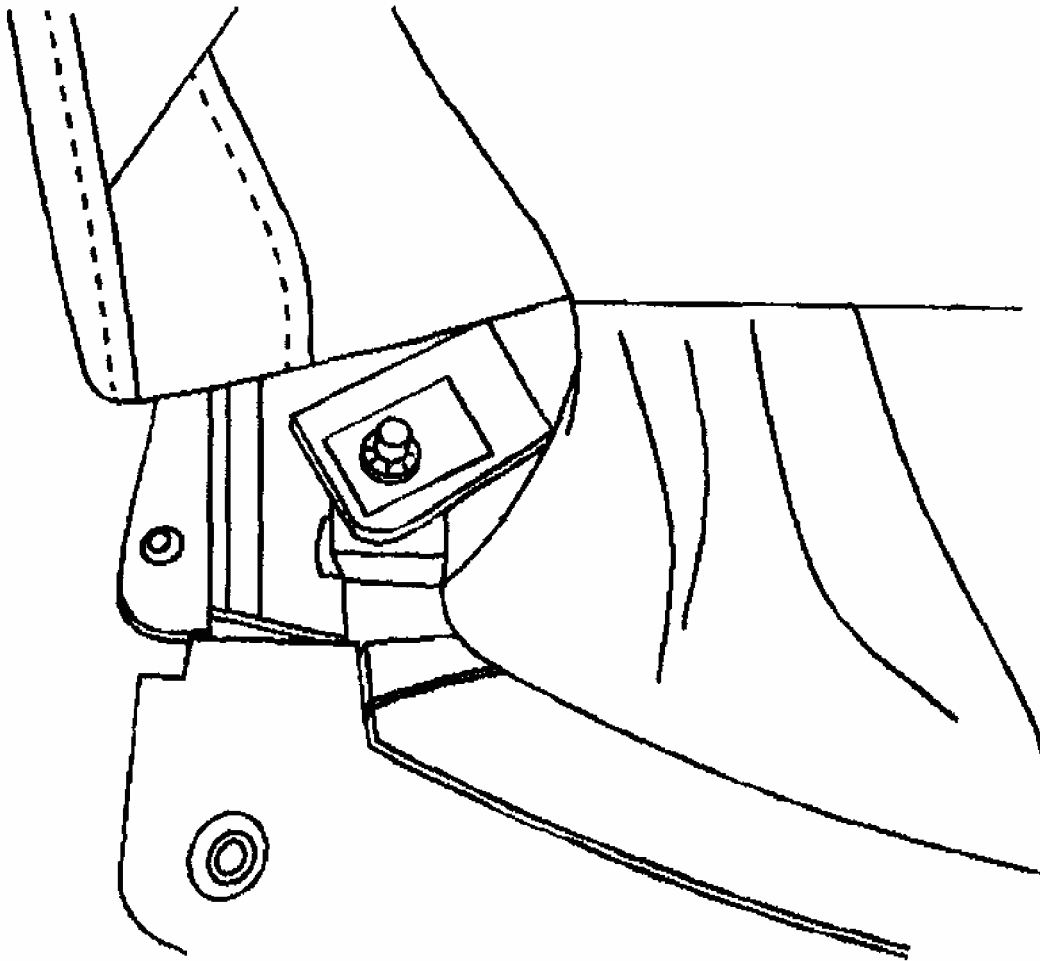
Tighten the screws to 2 N.m (18 lb in).



G01451419

Fig. 106: Tension Cable Screws
Courtesy of GENERAL MOTORS CORP.

5. Attach the headliner push-on retainers to the #1 bow.



G01451420

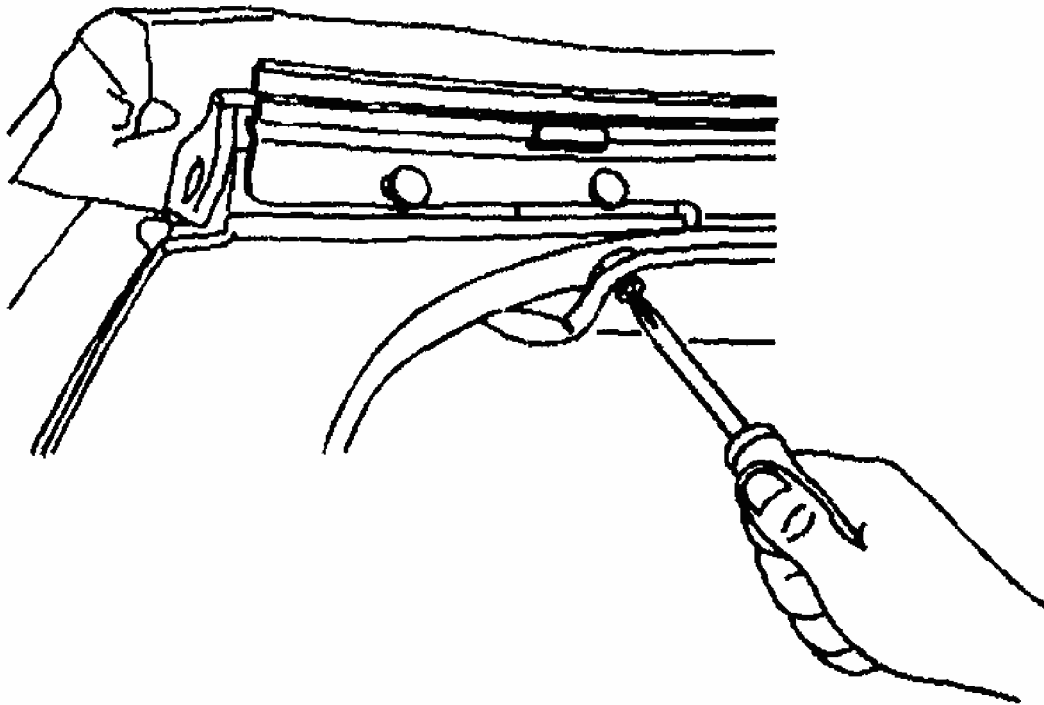
Fig. 107: Headliner Push-On Retainers To #1 Bow
Courtesy of GENERAL MOTORS CORP.

6. Install the headliner screws to the bow.

Tighten

Tighten headliner attaching screws to 2 N.m (18 lb in).

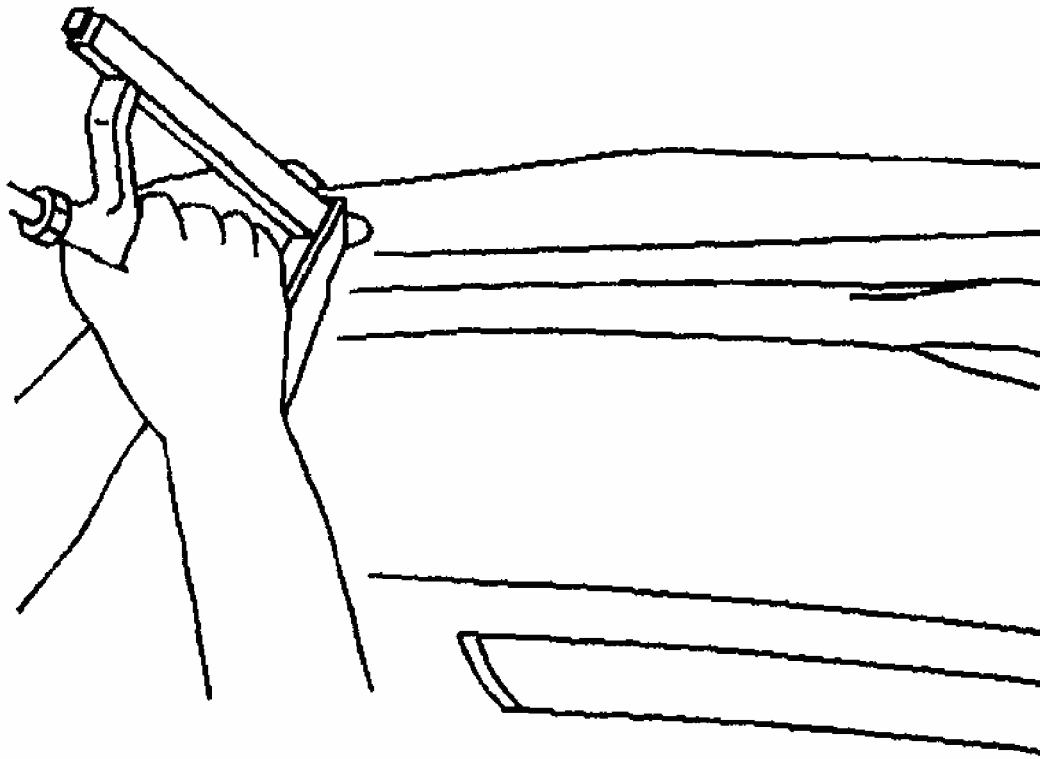
7. Rivet the stay pads to the bow.



G01451421

Fig. 108: Headliner Screws To Bow
Courtesy of GENERAL MOTORS CORP.

8. Pull the headliner over the #1 bow and staple the headliner to the bow.
9. Before stapling the top cover, Refer to **FOLDING TOP COVER TENSION ADJUSTMENT - FRONT**.
10. Reposition the folding top to the original position.



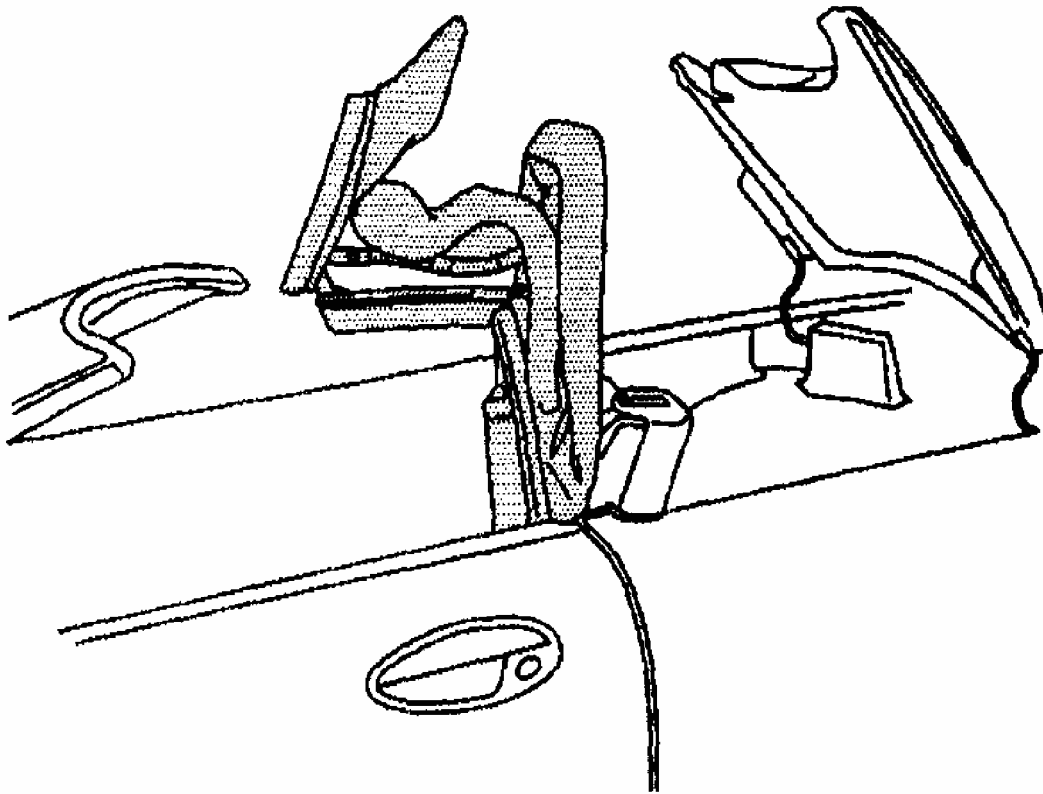
G01451422

Fig. 109: Stapling Headliner To Bow
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 2 BOW)

Removal Procedure

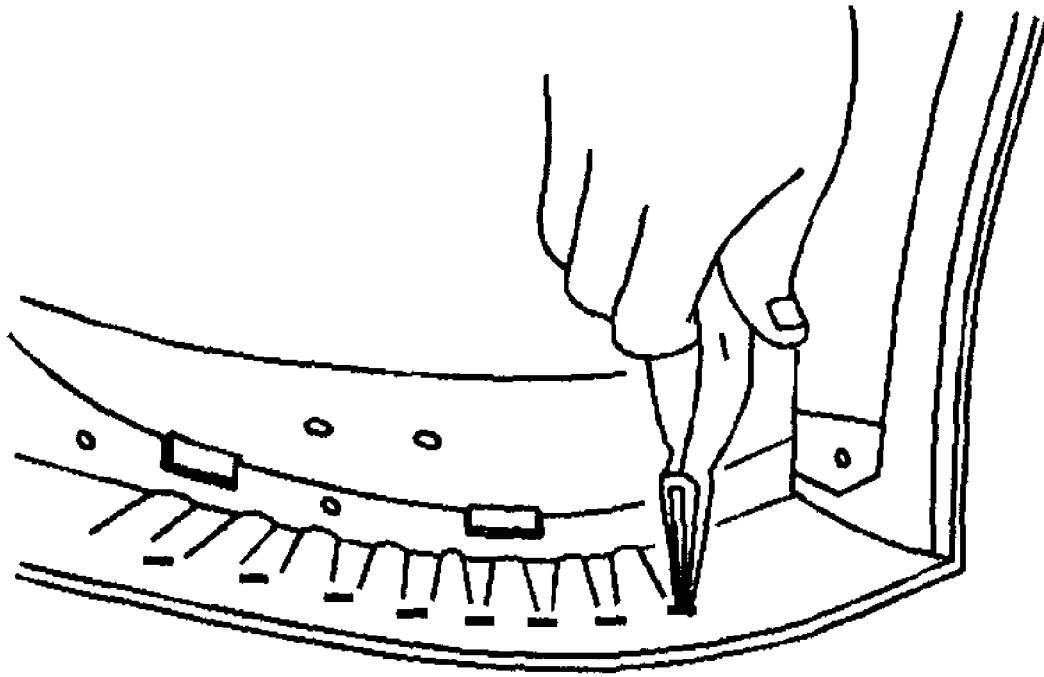
1. Position the top with the #1 bow up.
2. Remove the seal compression panel. Refer To **FOLDING TOP SEAL COMPRESSION PANEL REPLACEMENT** .
3. Using a grease pencil mark the location of the top cover where it wraps over the #1 bow to aid in installation.



G01451423

Fig. 110: Positioning Top With #1 Bow Up
Courtesy of GENERAL MOTORS CORP.

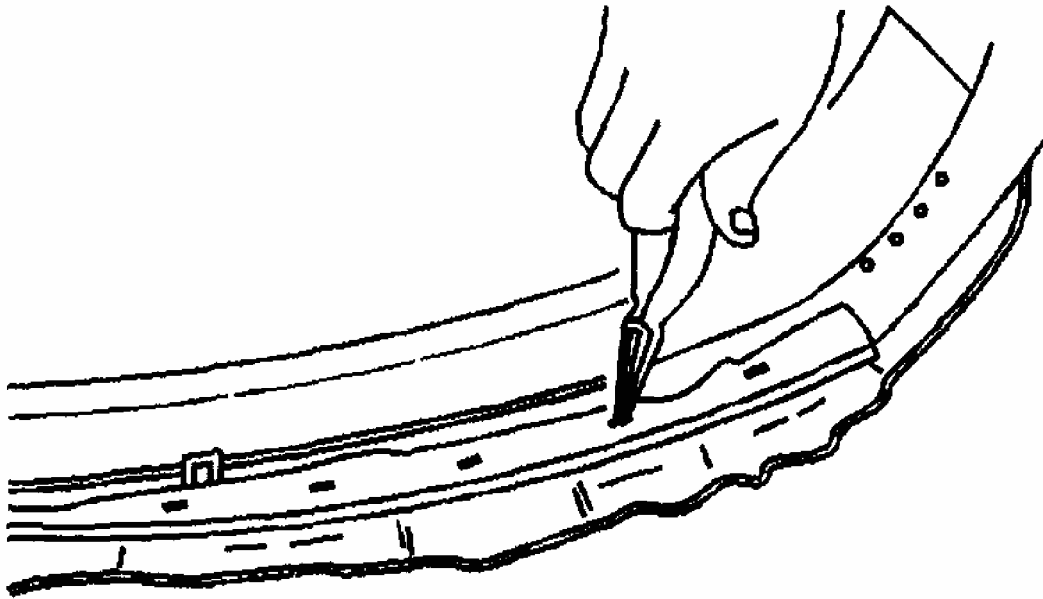
4. Using a pair of needle nose pliers remove the top cover staples from the #1 bow.



G01451424

Fig. 111: Top Cover Staples From #1 Bow
Courtesy of GENERAL MOTORS CORP.

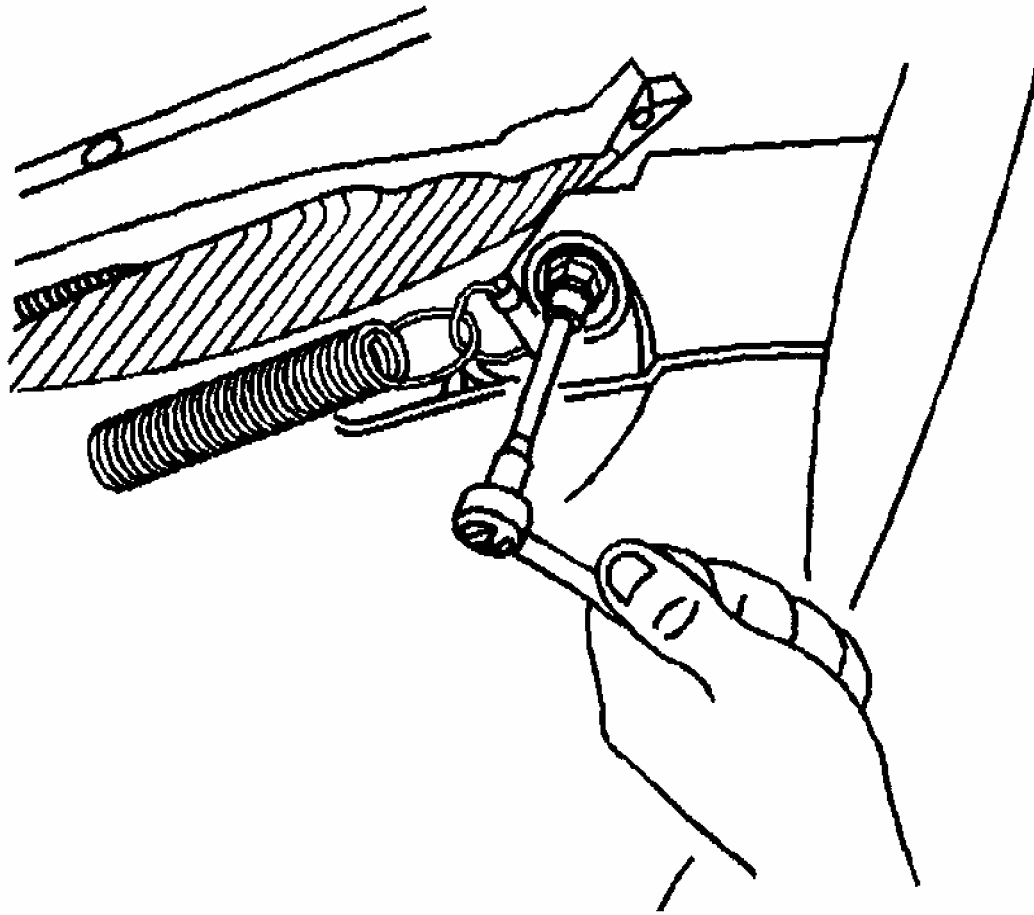
5. Using a pair of needle nose pliers remove the headliner staples from the #1 bow



G01451425

Fig. 112: Headliner Staples From #1 Bow
Courtesy of GENERAL MOTORS CORP.

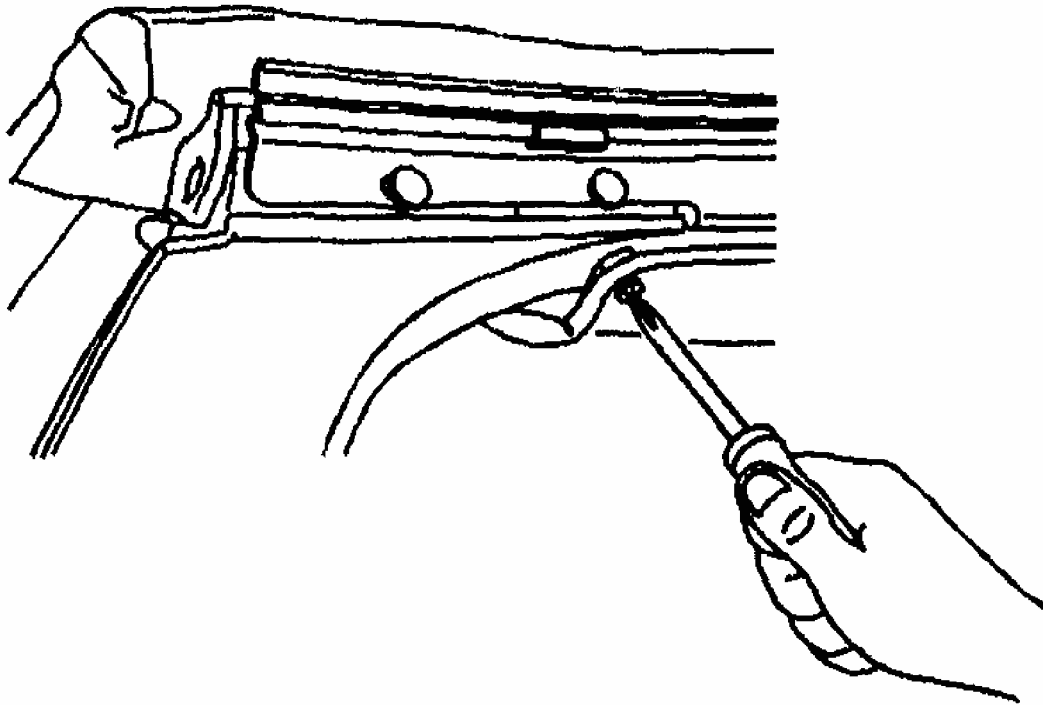
6. Remove the tension cables screws from the #1 bow.



G01451426

Fig. 113: Tension Cables Screws From #1 Bow
Courtesy of GENERAL MOTORS CORP.

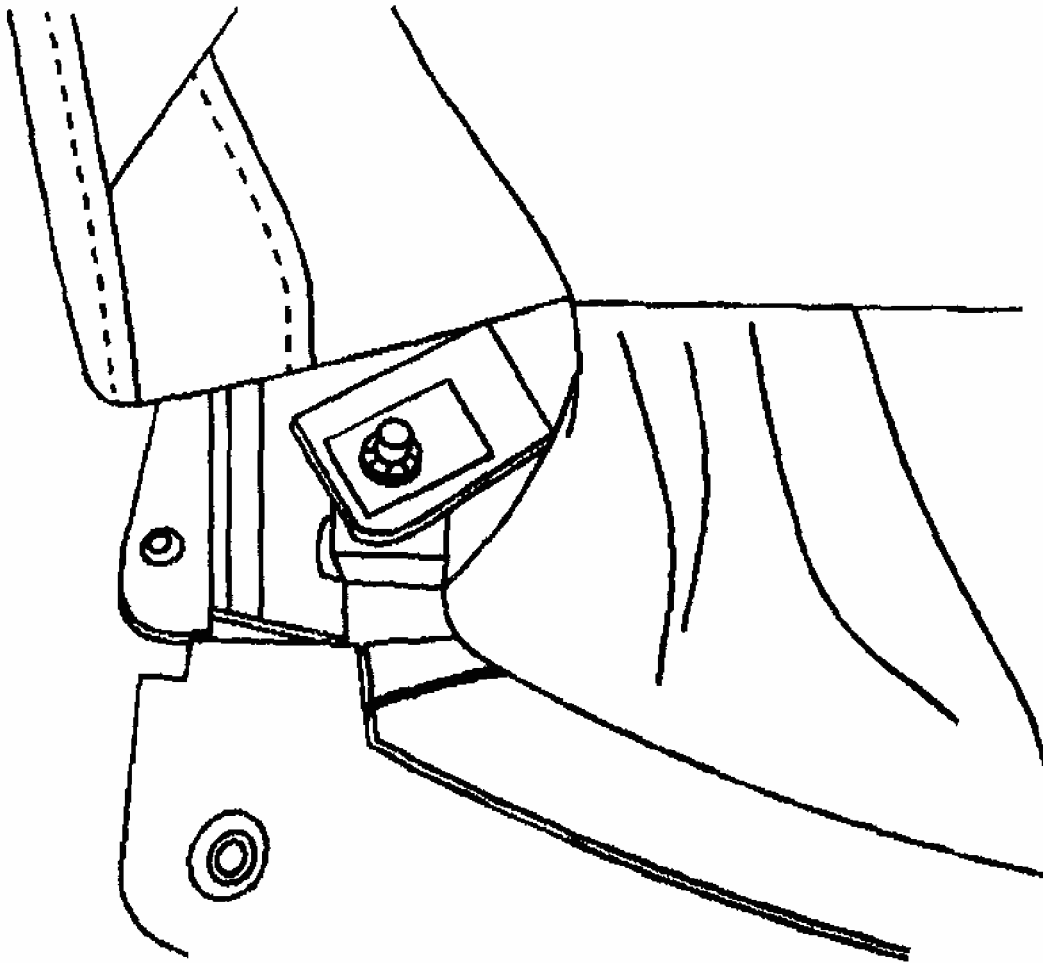
7. Remove the headliner screws from the #1 bow.



G01451427

Fig. 114: Headliner Screws From #1 Bow
Courtesy of GENERAL MOTORS CORP.

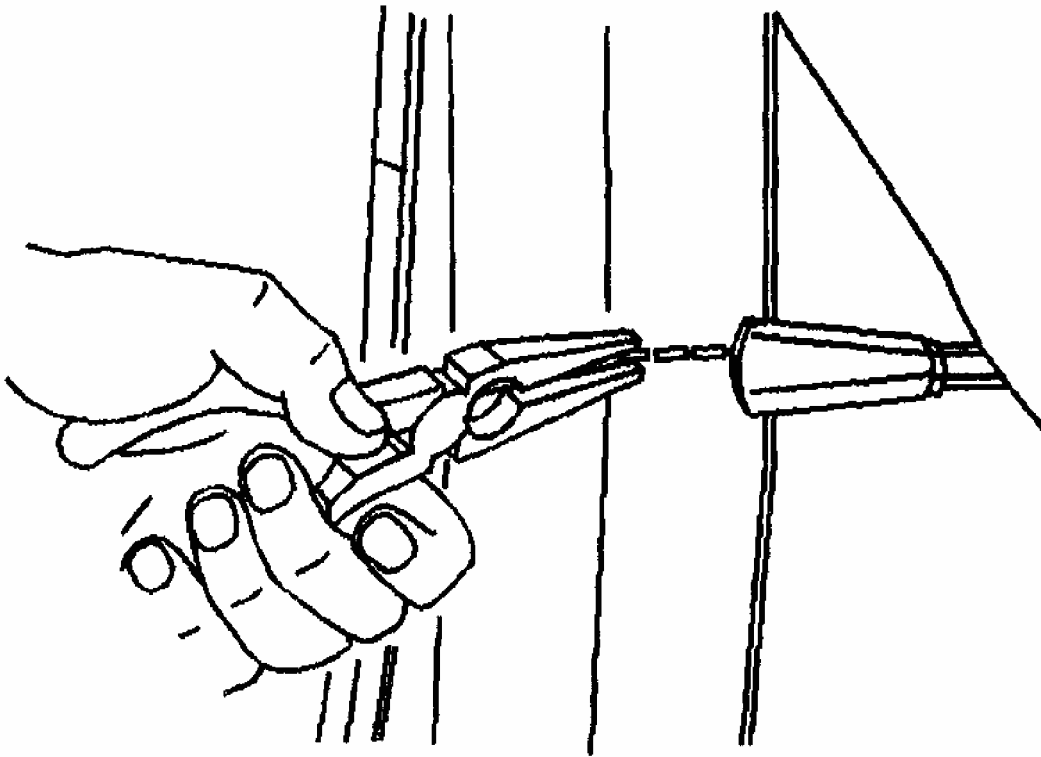
8. Remove the headliner push on retainers from the #1 bow.
9. Fold the top cover back over the #2 bow.



G01451428

Fig. 115: Headliner Push On Retainers From #1 Bow
Courtesy of GENERAL MOTORS CORP.

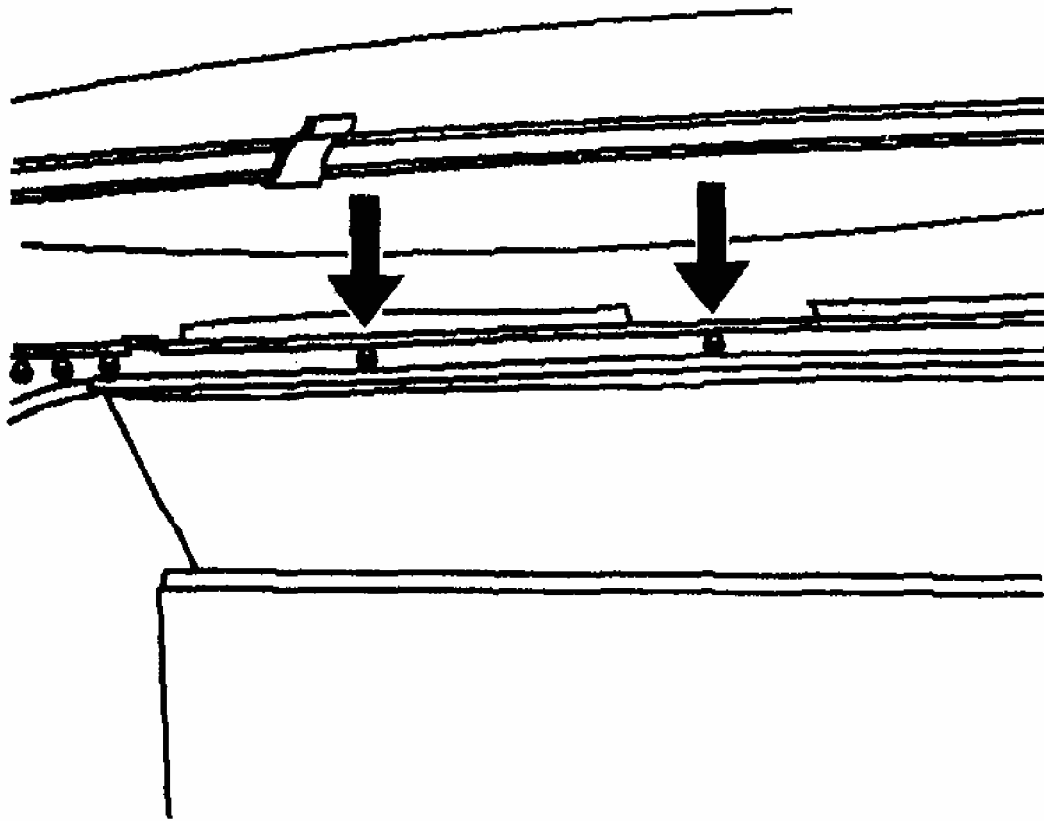
10. Using a pair of needle nose pliers remove the stay pad staples from the #2 bow.



G01451429

Fig. 116: Stay Pad Staples From #2 Bow
Courtesy of GENERAL MOTORS CORP.

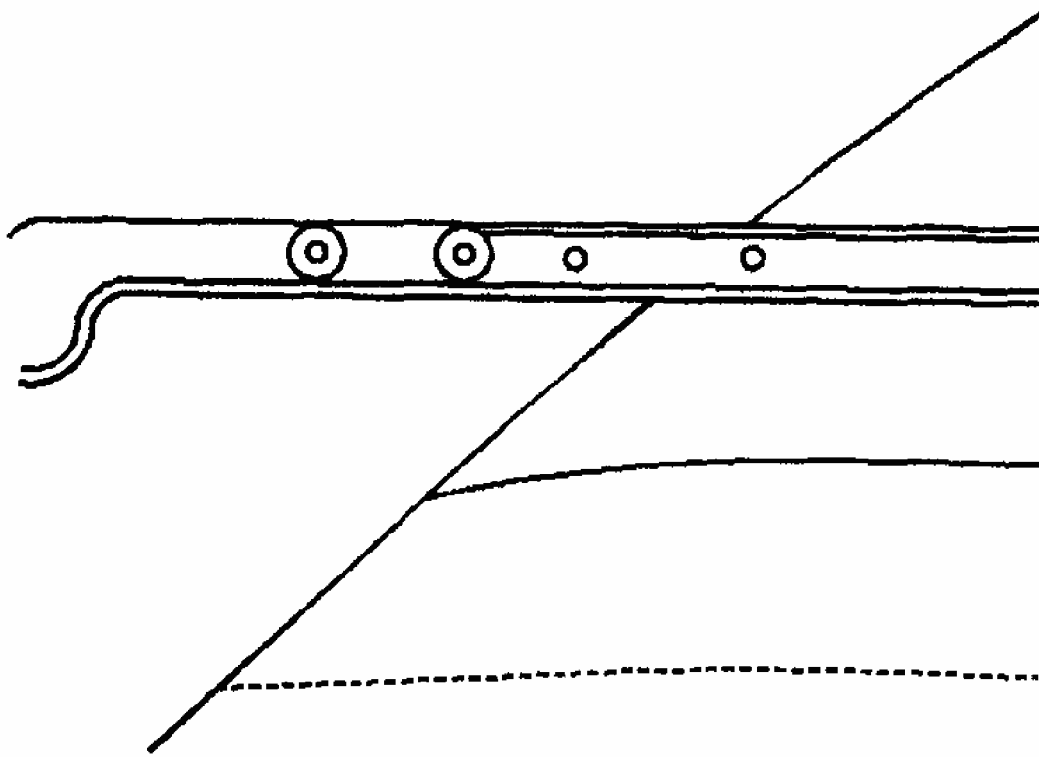
11. Remove the headliner screws from the #2 bow.



G01451430

Fig. 117: Headliner Screws From #2 Bow
Courtesy of GENERAL MOTORS CORP.

12. Remove the #2 bow screws from the main control link bracket.
13. Remove the #2 bow.



G01451431

Fig. 118: #2 Bow Screws From Main Control Link Bracket
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

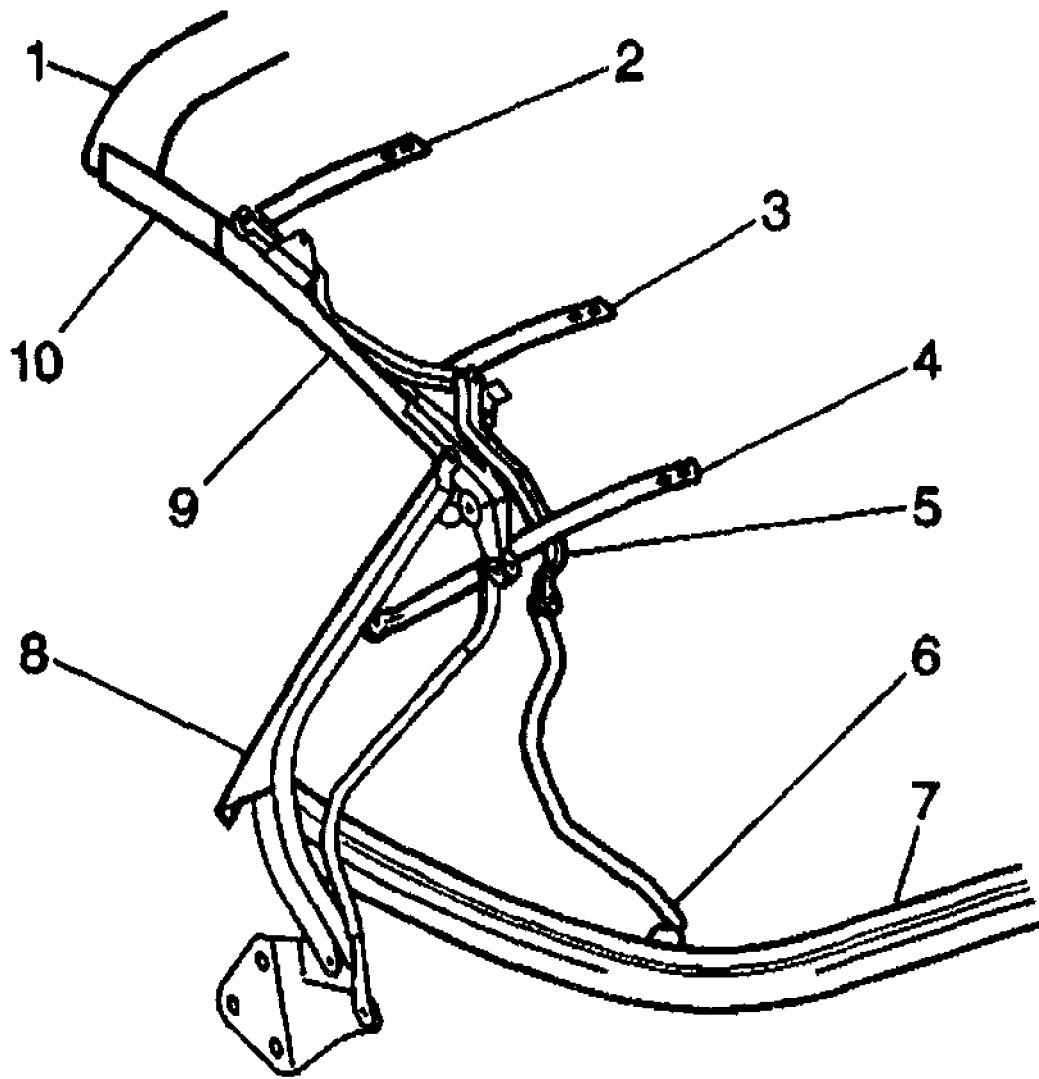
1. Install the #2 bow to the main control link bracket.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Install the #2 bow screws to the main control link bracket (2).

Tighten

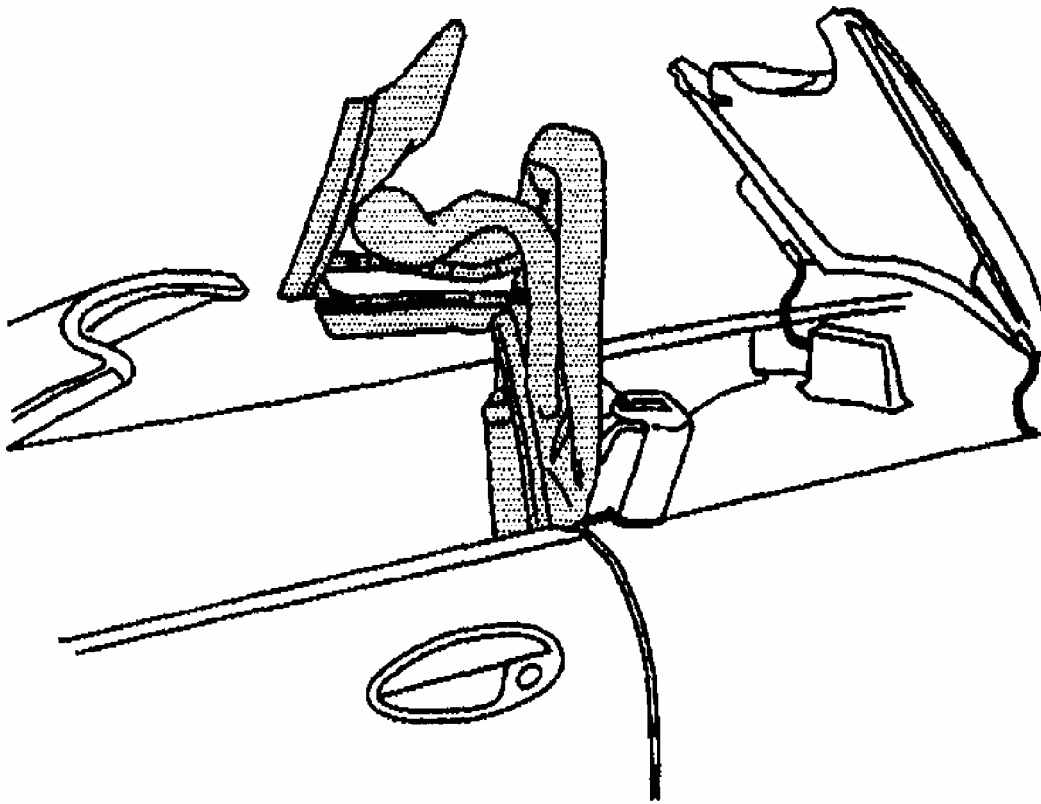
Tighten the screws to 13 N.m (10 lb in).



G01451432

Fig. 119: #2 Bow To Main Control Link Bracket
Courtesy of GENERAL MOTORS CORP.

3. Close and latch the convertible top.
4. Staple the stay pad to the #2 bow.
5. Open the convertible top and position the #1 and #5 bows up.



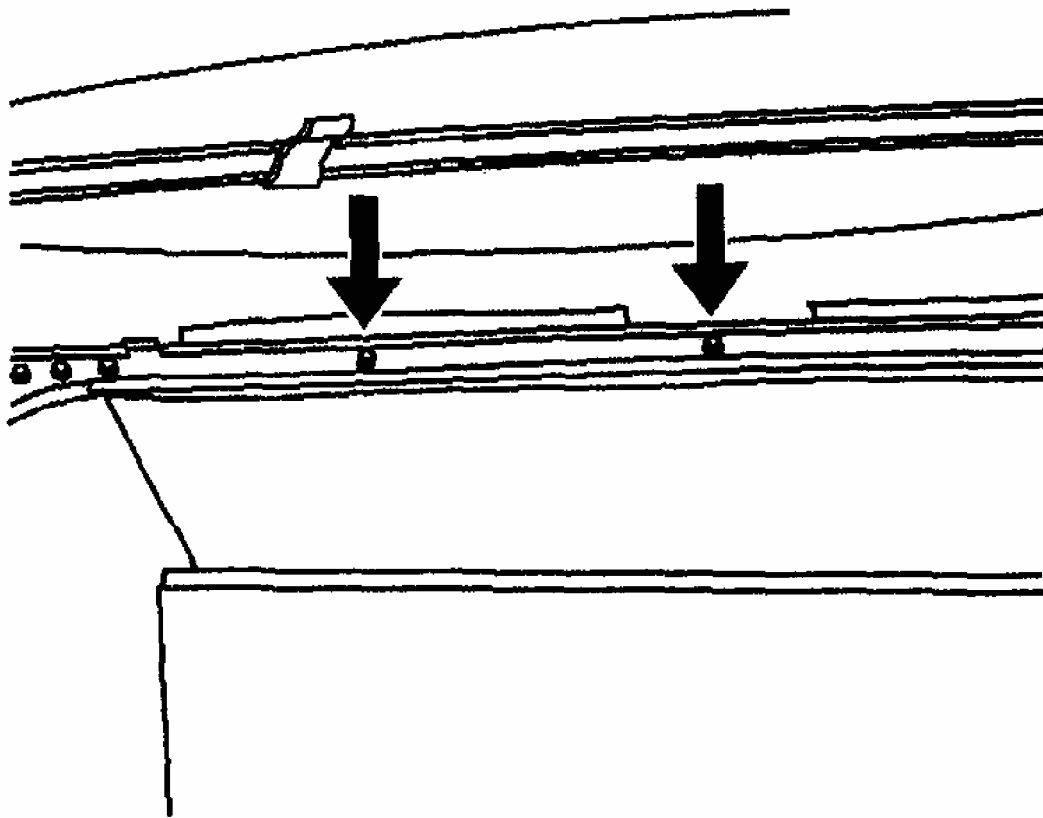
G01451433

Fig. 120: Opening Convertible Top & Position #1 And #5 Bows Up
Courtesy of GENERAL MOTORS CORP.

6. Install the headliner screws to the #2 bow.

Tighten

Tighten the screws to 2 N.m (18 lb in).



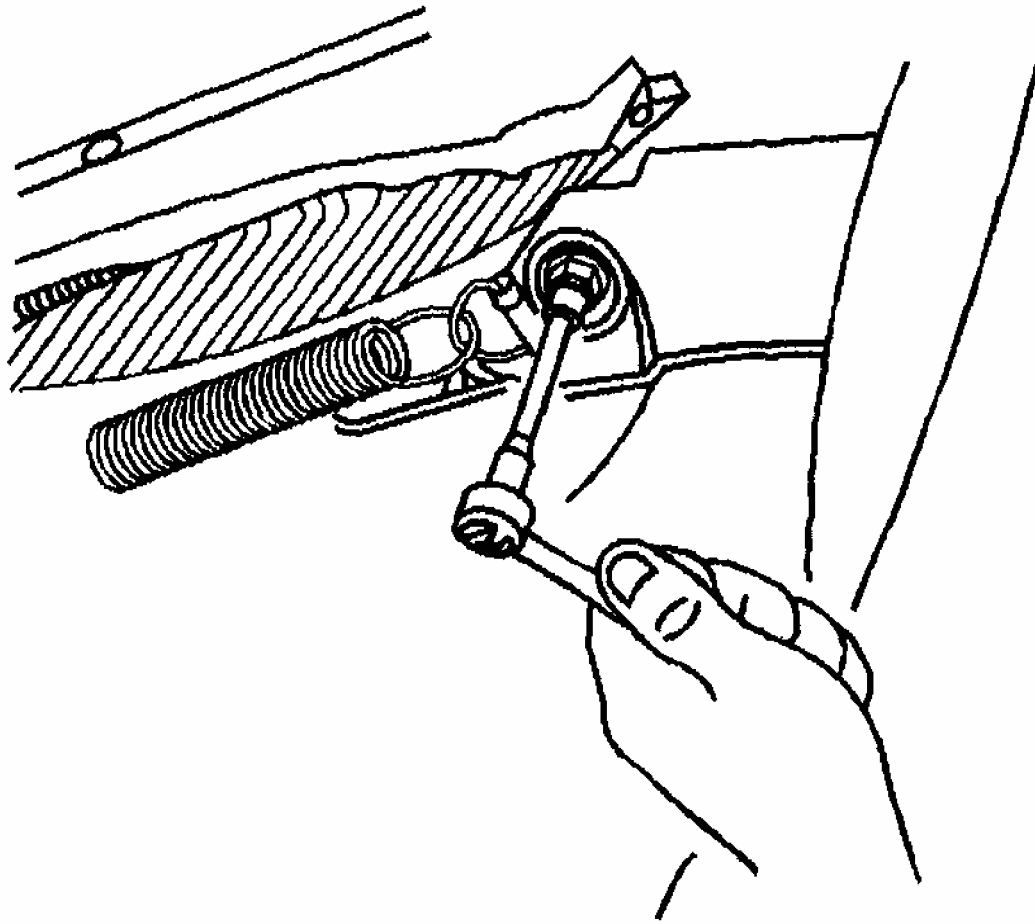
G01451434

Fig. 121: Headliner Screws To #2 Bow
Courtesy of GENERAL MOTORS CORP.

7. Install the tension cable screws to the #1 bow.

Tighten

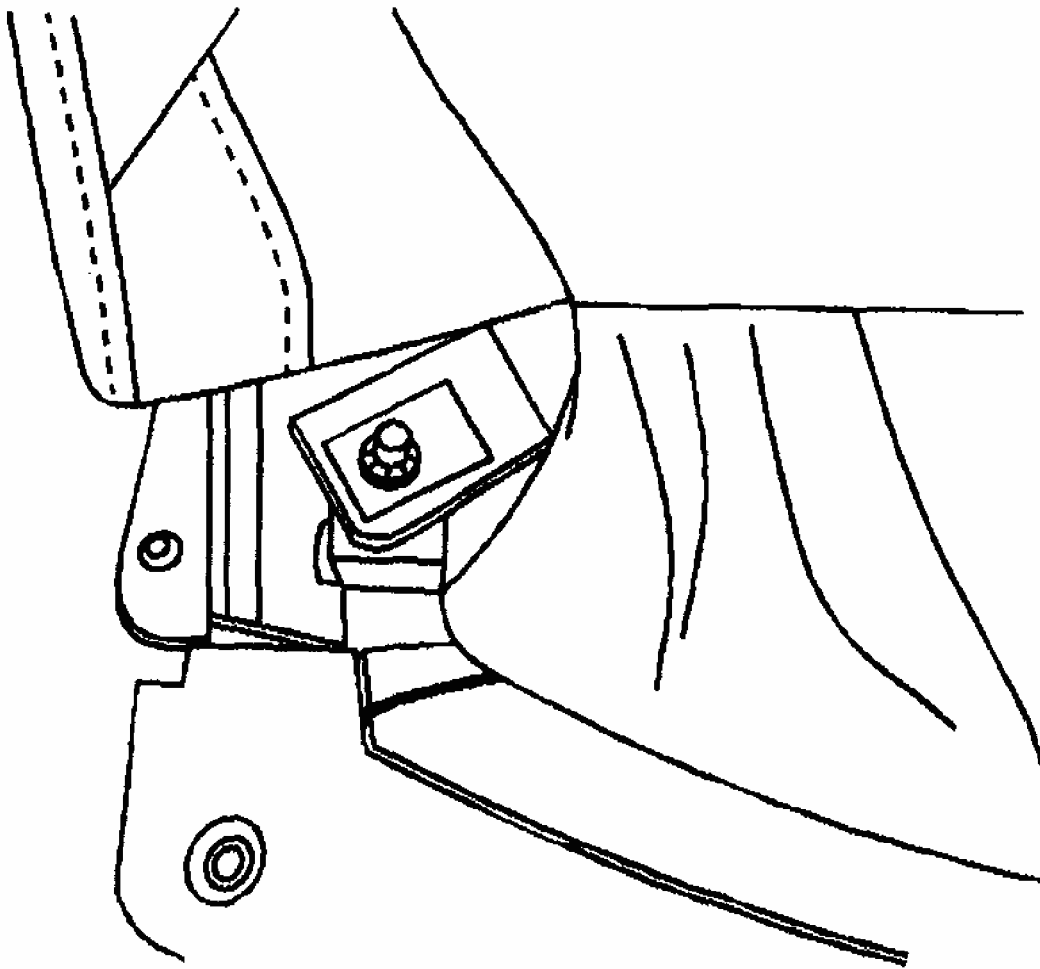
Tighten the screws to 2 N.m (18 lb in).



G01451435

Fig. 122: Tension Cable Screws To #1 Bow
Courtesy of GENERAL MOTORS CORP.

8. Attach the headliner push-on retainers to the #1 bow.



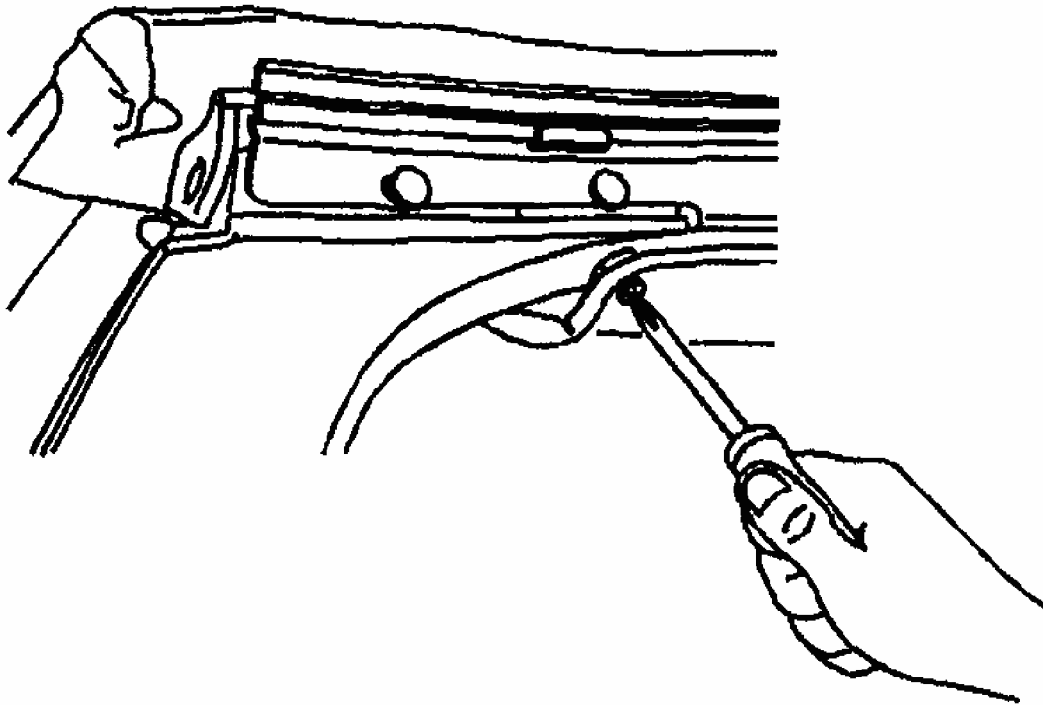
G01451436

Fig. 123: Headliner Push-On Retainers To #1 Bow
Courtesy of GENERAL MOTORS CORP.

9. Install the headliner screws to the #1 bow.

Tighten

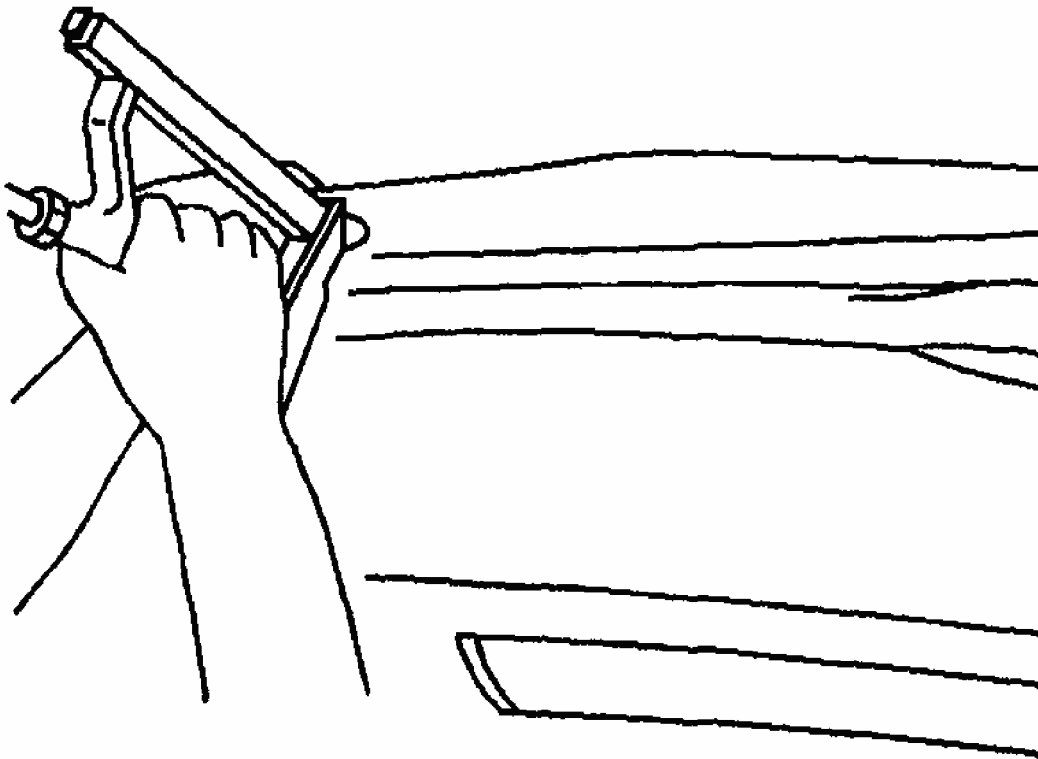
Tighten the screws to 2 N.m (18 lb in).



G01451437

Fig. 124: Headliner Screws To #1 Bow
Courtesy of GENERAL MOTORS CORP.

10. Fold the top cover over the #1 bow and staple into place.
11. Refer to ***FOLDING TOP COVER TENSION ADJUSTMENT - FRONT***.
12. Reposition the folding top to the original position.



G01451438

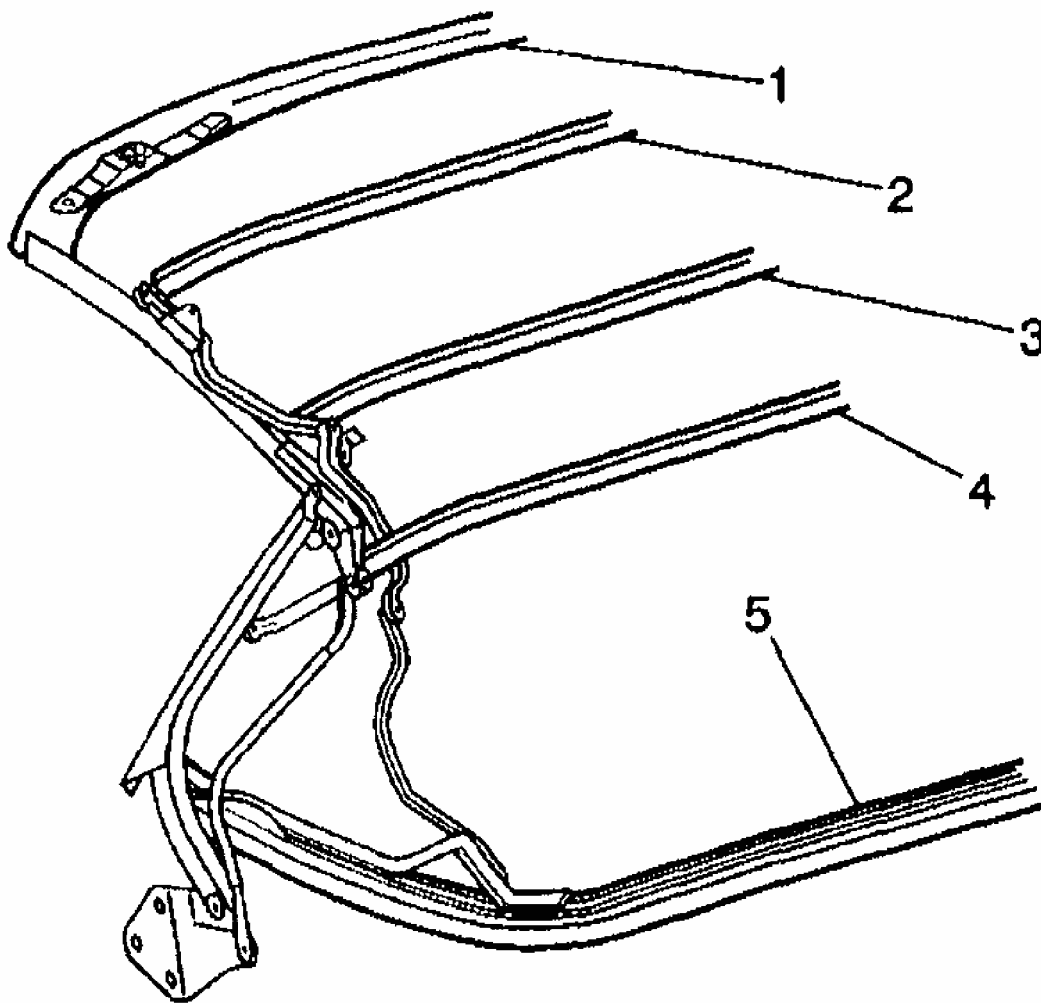
Fig. 125: Folding Top Cover Over #1 Bow & Staple Into Place
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 3 BOW)

Removal Procedure

Start at the front of the folding top and work your way rearward.

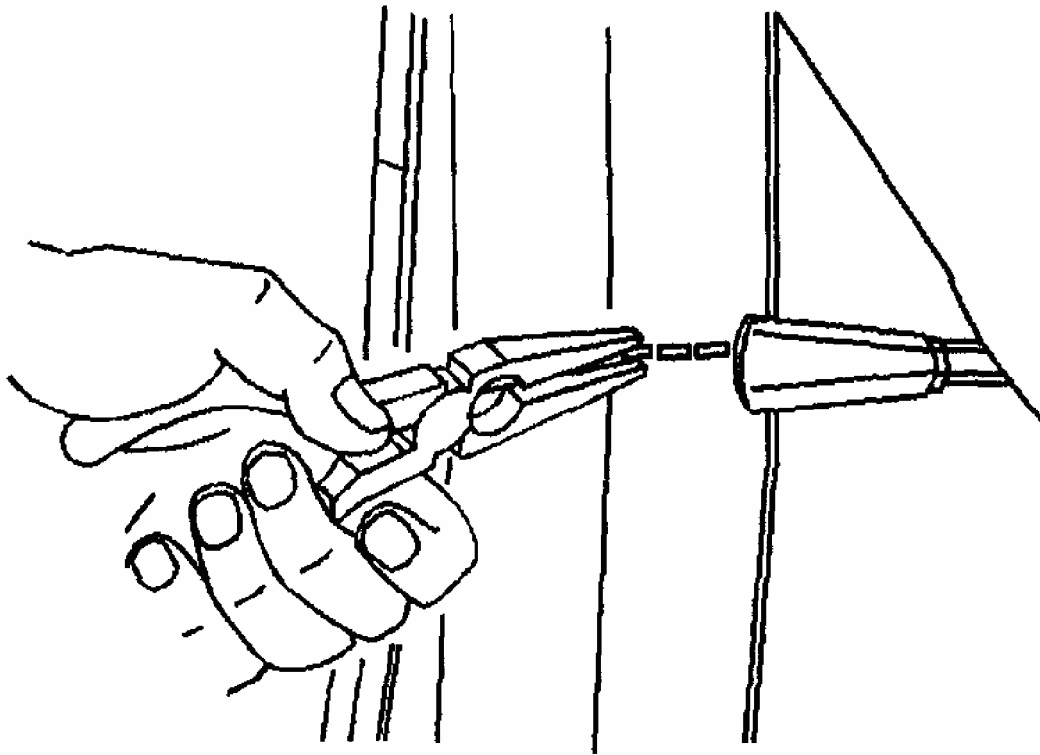
1. Perform all steps necessary to remove the #2 bow. Refer to **FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 1 BOW)** or **FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 2 BOW)** or **FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 3 BOW)** or **FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 4 BOW)** or **FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 5 BOW)** .
2. Remove the headliner screws from the #3 bow.



G01451439

Fig. 126: Headliner Screws From #3 Bow
Courtesy of GENERAL MOTORS CORP.

3. Using a pair of needle nose pliers remove the stay pad staples from the #3 bow.



G01451440

Fig. 127: Stay Pad Staples From #3 Bow
Courtesy of GENERAL MOTORS CORP.

4. Remove the #3 bow screws from the main control link bracket.
5. Remove the headliner screws to the #3 bow.
6. Remove the #3 bow.

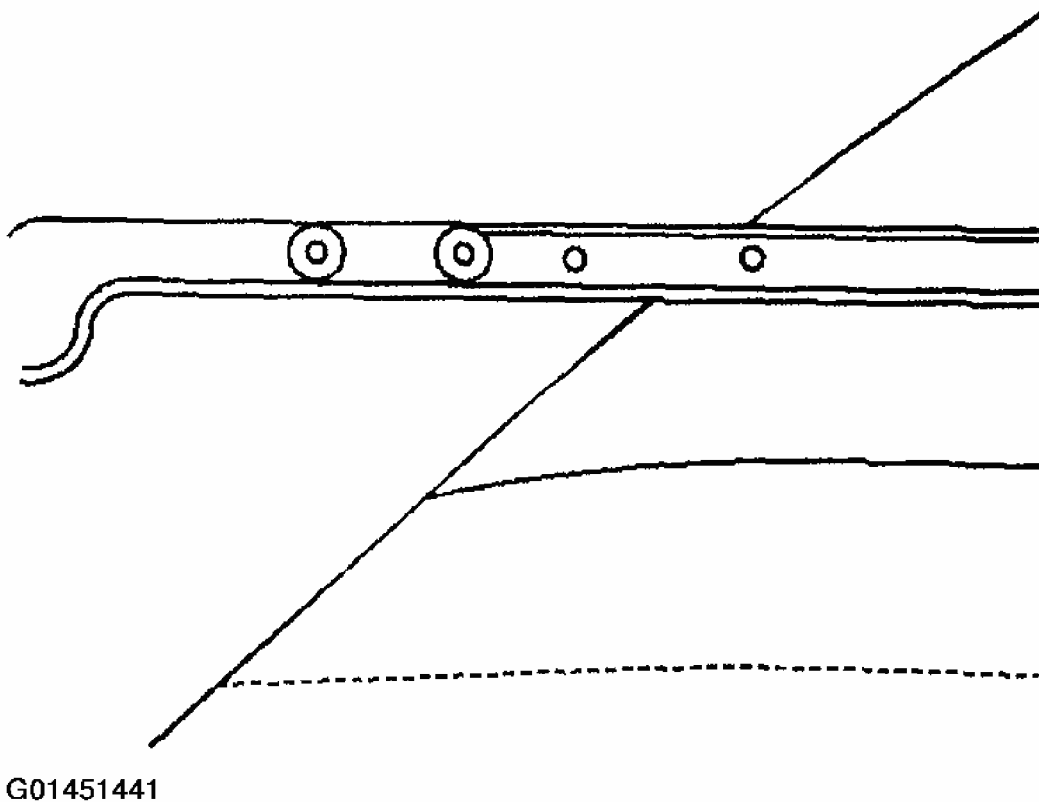


Fig. 128: #3 Bow Screws From Main Control Link Bracket
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

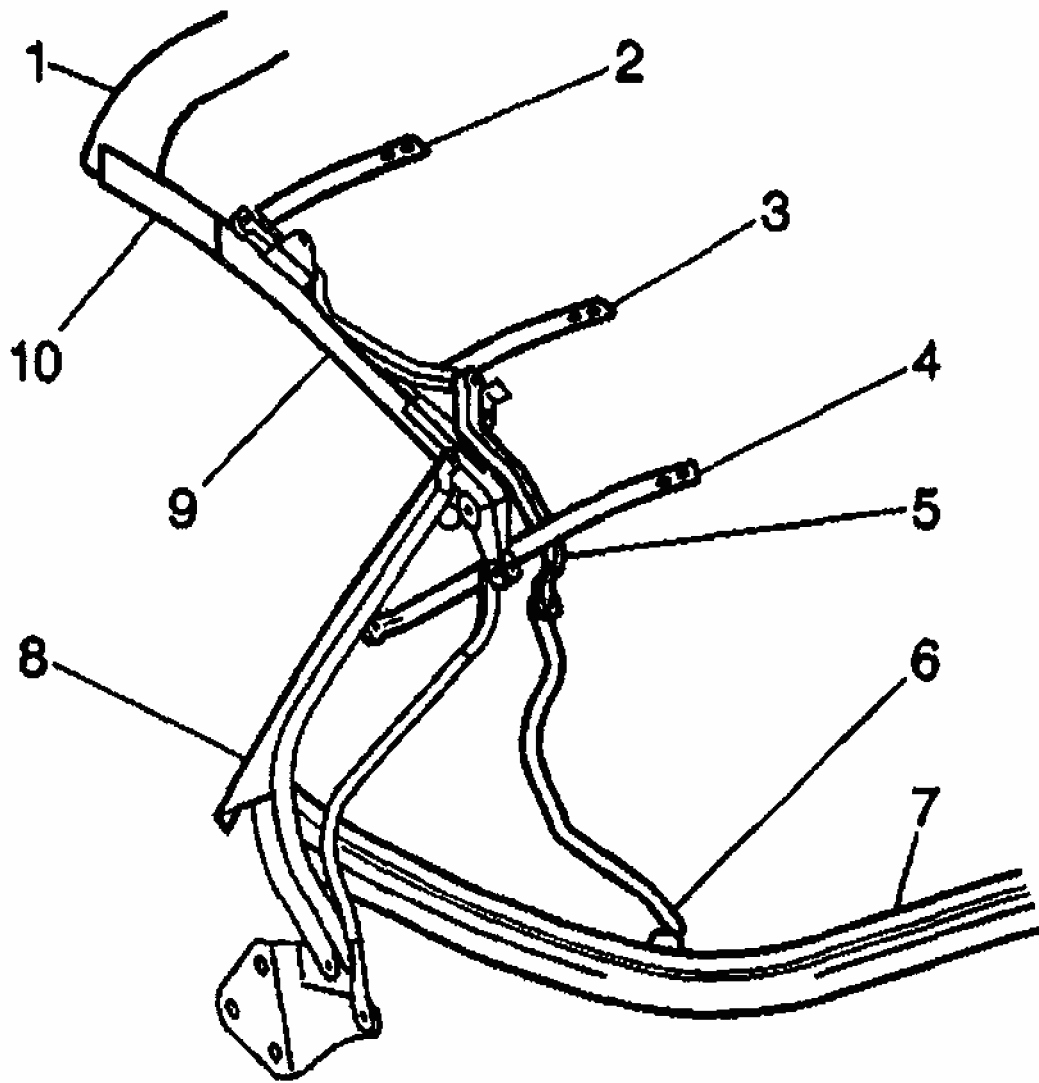
1. Install the #3 bow to the main control link bracket.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

2. Install the #3 bow screws to the main control link bracket (3).

Tighten

Tighten roof bow to the main control link bracket screws to 13 N.m (10 lb ft).



G01451442

Fig. 129: #3 Bow To Main Control Link Bracket
Courtesy of GENERAL MOTORS CORP.

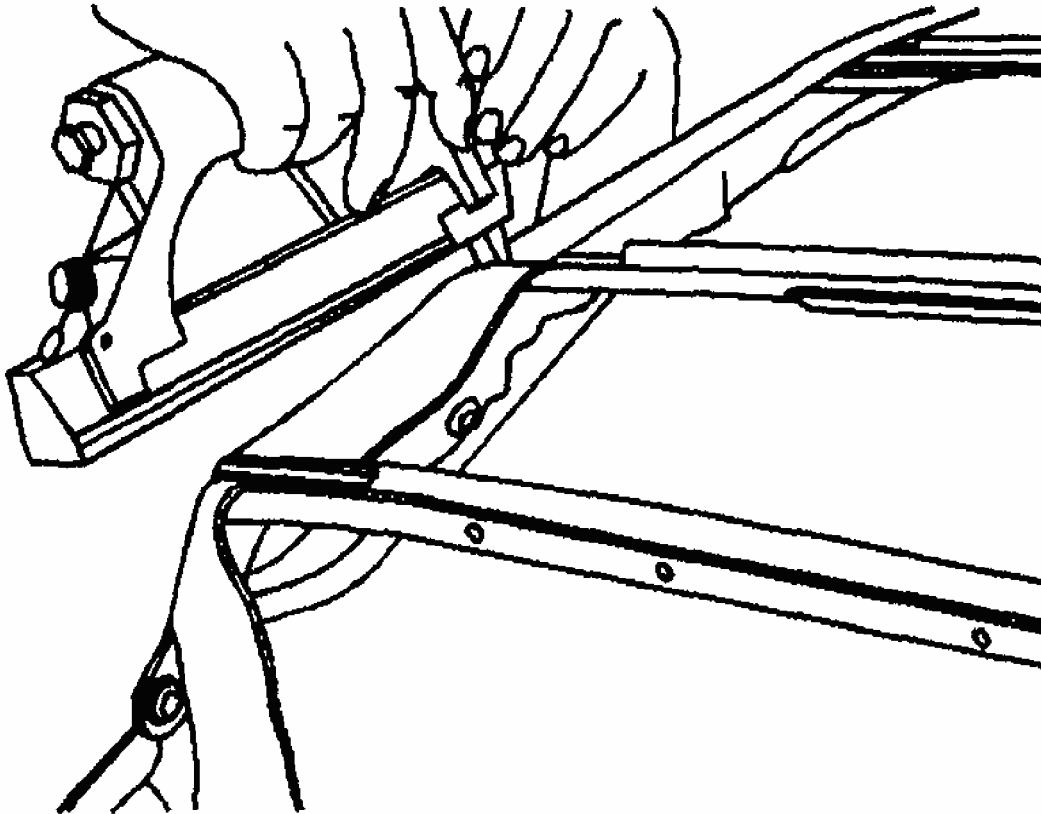
3. Staple the stay pad to the #3 bow (3).
4. Install the headliner screws to the #3 bow.

Tighten

Tighten the headliner screws to 2 N.m (18 lb in).

5. Refer to **FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 1 BOW)** or **FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 2 BOW)** or

**FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 3 BOW) or
FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 4 BOW) or
FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 5 BOW) .**



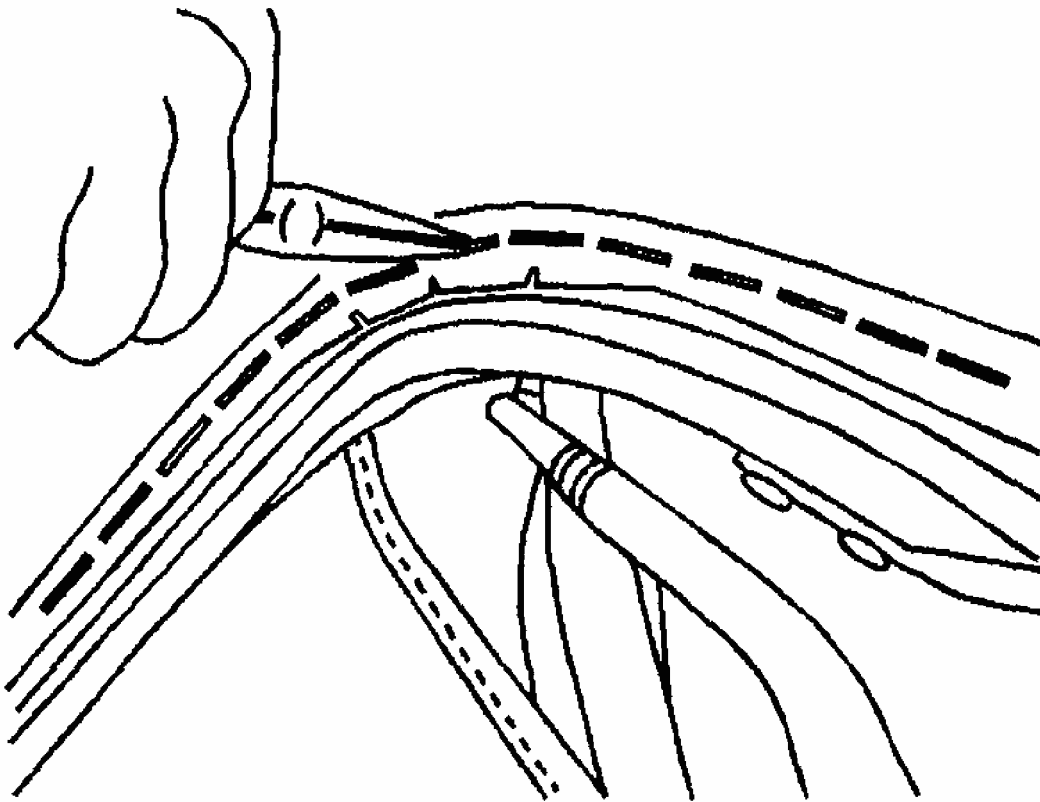
G01451443

Fig. 130: Stapling Stay Pad To #3 Bow
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 4 BOW)

Removal Procedure

1. Remove the folding top and place the top on a clean flat surface. Refer to **FOLDING TOP REPLACEMENT**
2. Remove the #5 bow weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .

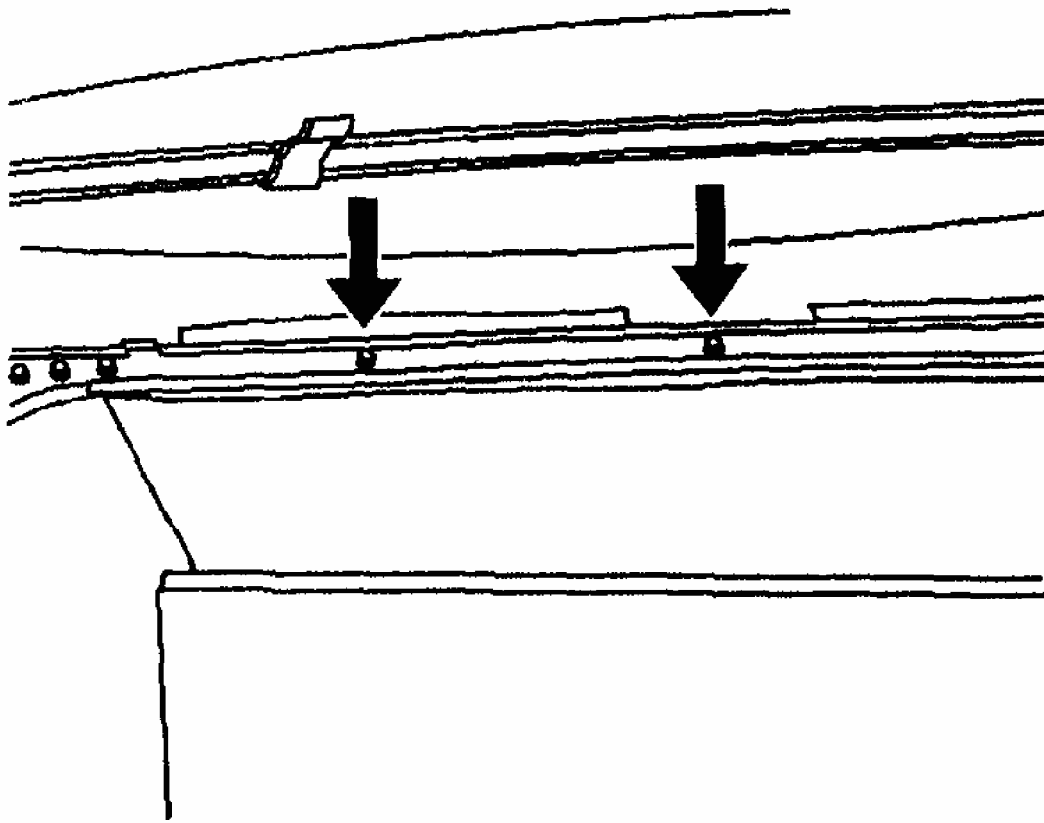


G01451444

Fig. 131: Staples Which Secure Top Cover To Bow
Courtesy of GENERAL MOTORS CORP.

CAUTION: Refer to SAFETY GLASSES CAUTION in Cautions and Notices.

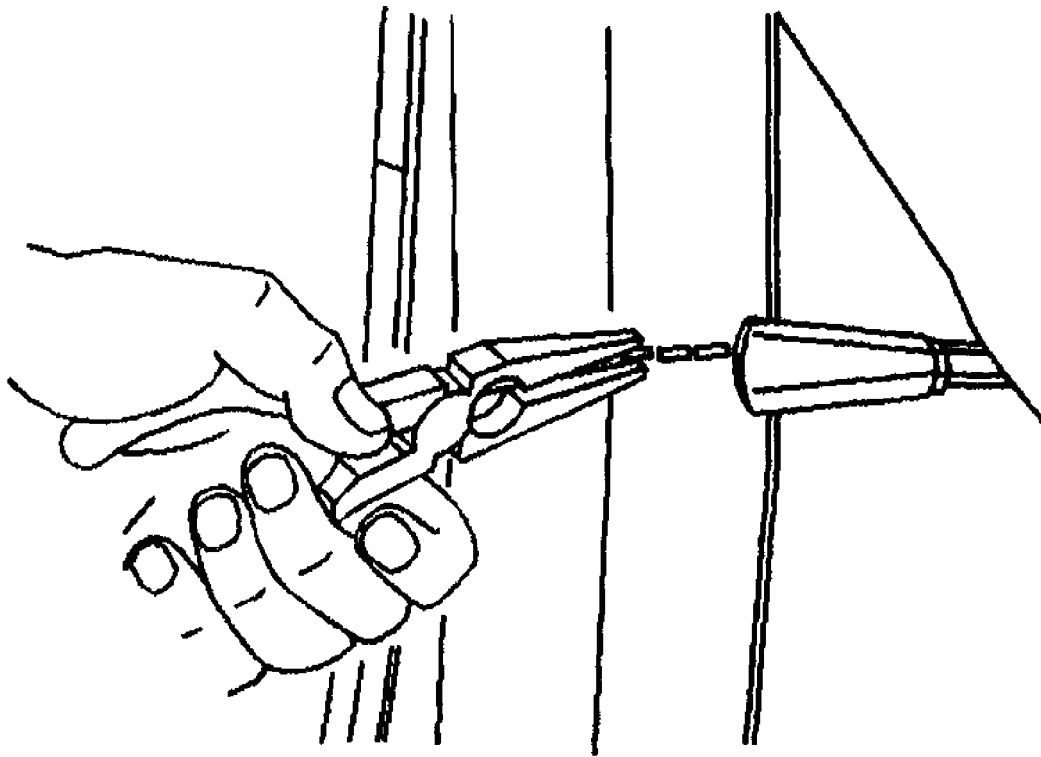
3. Drill out the top cover rivets to the bottom of the right and the left rear side rails.
4. Pull the top cover from the bottom of the rear side rails and from the ends of the #5 bow.
5. Using a grease pencil mark the position of the top cover along the edge where it wraps over the #5 bow to aid in installation.
6. Using a pair of needle nose pliers remove the top cover staples from the #5 bow.
7. Fold the top cover forward over the #3 bow.
8. Remove the headliner screws from the #4 bow.



G01451445

Fig. 132: Headliner Screws From #4 Bow
Courtesy of GENERAL MOTORS CORP.

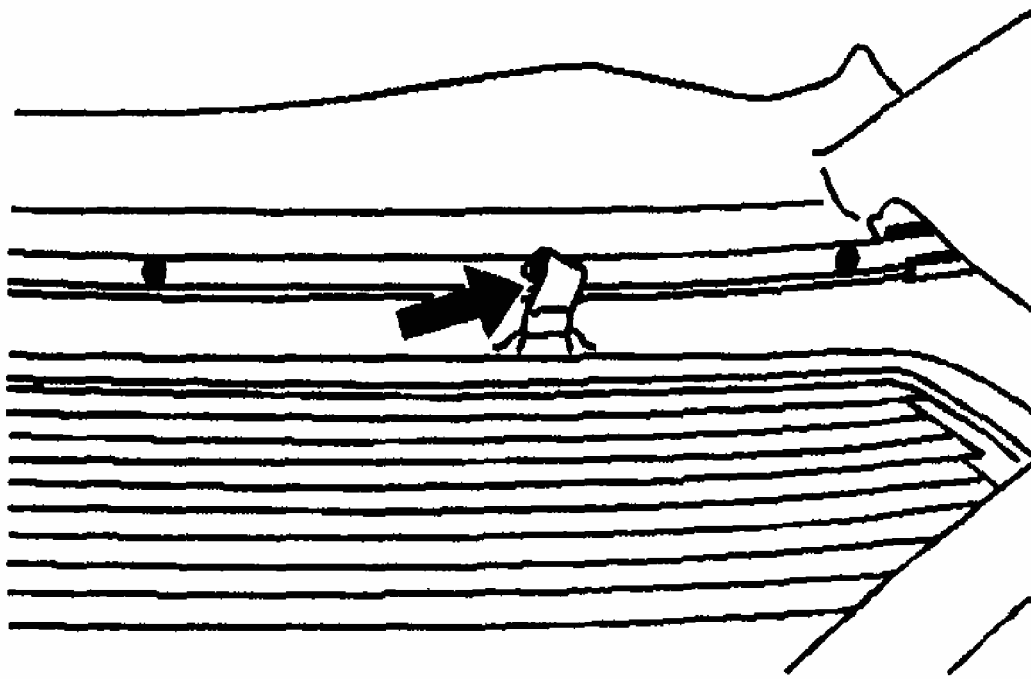
9. Using a pair of needle nose pliers remove the stay pad staples from the #4 bow.



G01451446

Fig. 133: Stay Pad Staples From #4 Bow
Courtesy of GENERAL MOTORS CORP.

10. Turn the top over.
11. Remove the glare cover elastic straps screws from the #5 bow.
12. Remove the headliner elastic straps screws from the #5 bow.
13. Remove the headliner elastic straps screws from the rear side rails.
14. Remove the headliner screws from the rear side rails.
15. Remove the rear window support elastic strap screws from the #4 bow.



G01451447

**Fig. 134: Rear Window Support Elastic Strap Screws From #4 Bow
Courtesy of GENERAL MOTORS CORP.**

16. Remove the #4 bow screws from the main control link bracket.
17. Remove the #4 bow.

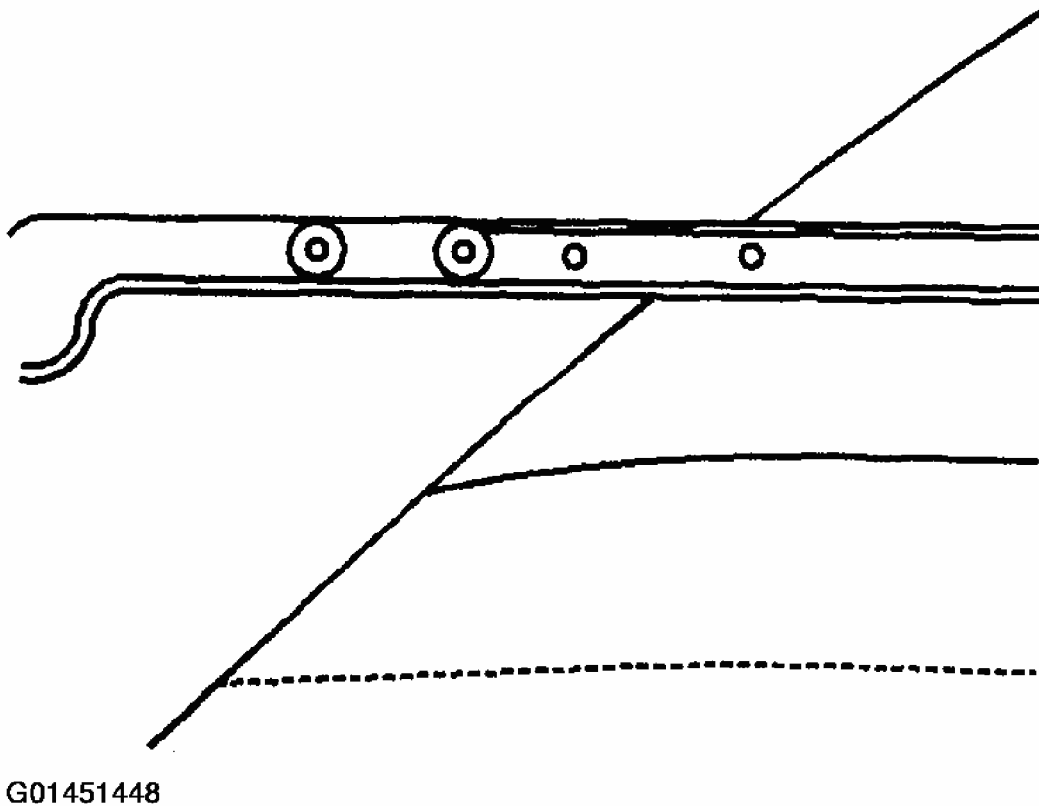


Fig. 135: #4 Bow Screws From Main Control Link Bracket
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Install the #4 bow to the main control link bracket.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Install the #4 bow screws to the main control link bracket.

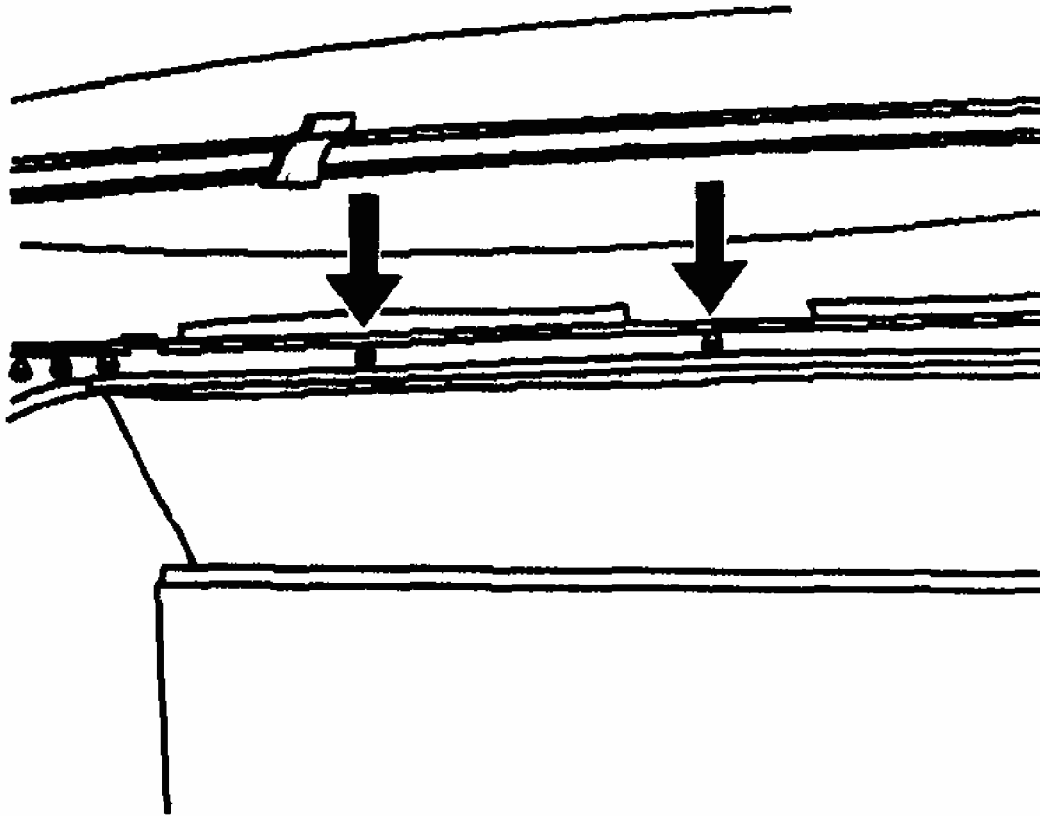
Tighten

Tighten the screws to 13 N.m (10 lb ft).

3. Position the top right side up and in a fully raised position.
4. Staple the stay pad to the #4 bow.
5. Install the headliner screws to the #4 bow.

Tighten

Tighten the screws to 2 N.m (18 lb in).



G01451449

Fig. 136: #4 Bow To Main Control Link Bracket
Courtesy of GENERAL MOTORS CORP.

6. Turn the top over.
7. Install the rear window support elastic strap screws to the #4 bow.

Tighten

Tighten the screws to 2 N.m 18 lb in).

8. Install the headliner elastic strap screws to the #5 bow

Tighten

Tighten the screws to 2 N.m (18 lb in).

9. Install the headliner screws to the rear side rails.

Tighten

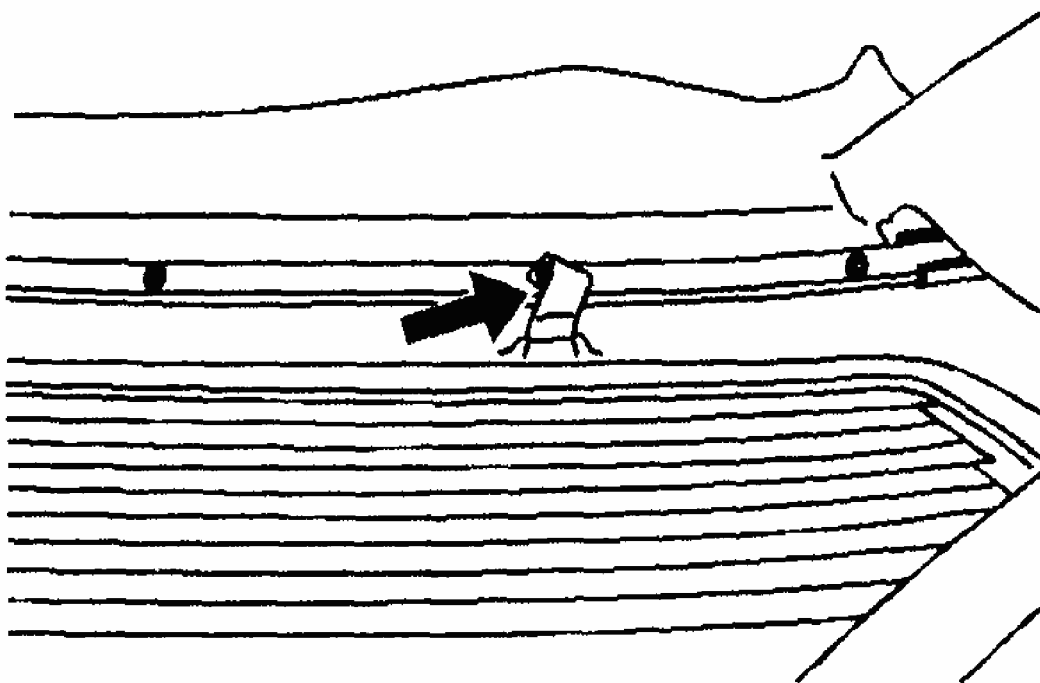
Tighten the screws to 2 N.m (18 lb in).

10. Install the glare cover end screws to the #5 bow.

Tighten

Tighten the screws to 2 N.m (18 lb in).

11. Before stapling the top cover to the #5 bow, Refer to **FOLDING TOP COVER TENSION ADJUSTMENT - REAR** .
12. Install the folding top. Refer to **FOLDING TOP REPLACEMENT** .
13. Reposition the folding top to the original position.



G01451450

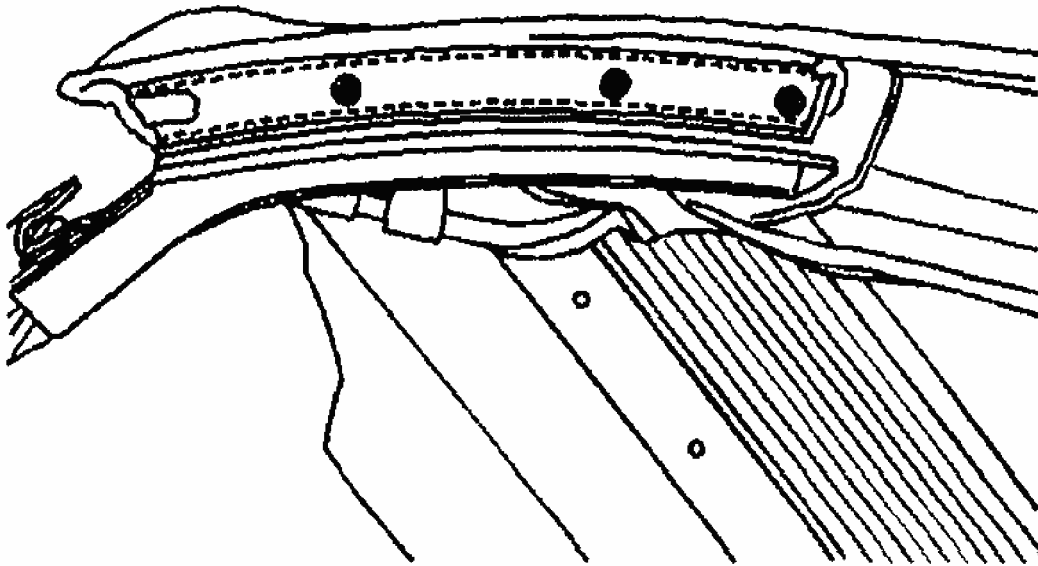
Fig. 137: Rear Window Support Elastic Strap Screws To #4 Bow
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP ROOF BOW REPLACEMENT (NUMBER 5 BOW)**Removal Procedure**

1. Remove the folding top and place the top on a clean flat surface. Refer to **FOLDING**

TOP REPLACEMENT .

2. Remove the #5 bow weatherstrip. Refer to **WEATHERSTRIP REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAILS)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** or **WEATHERSTRIP REPLACEMENT - FOLDING TOP (NUMBER FIVE BOW)** .
3. Remove the rear side rail seal and retainer. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** .



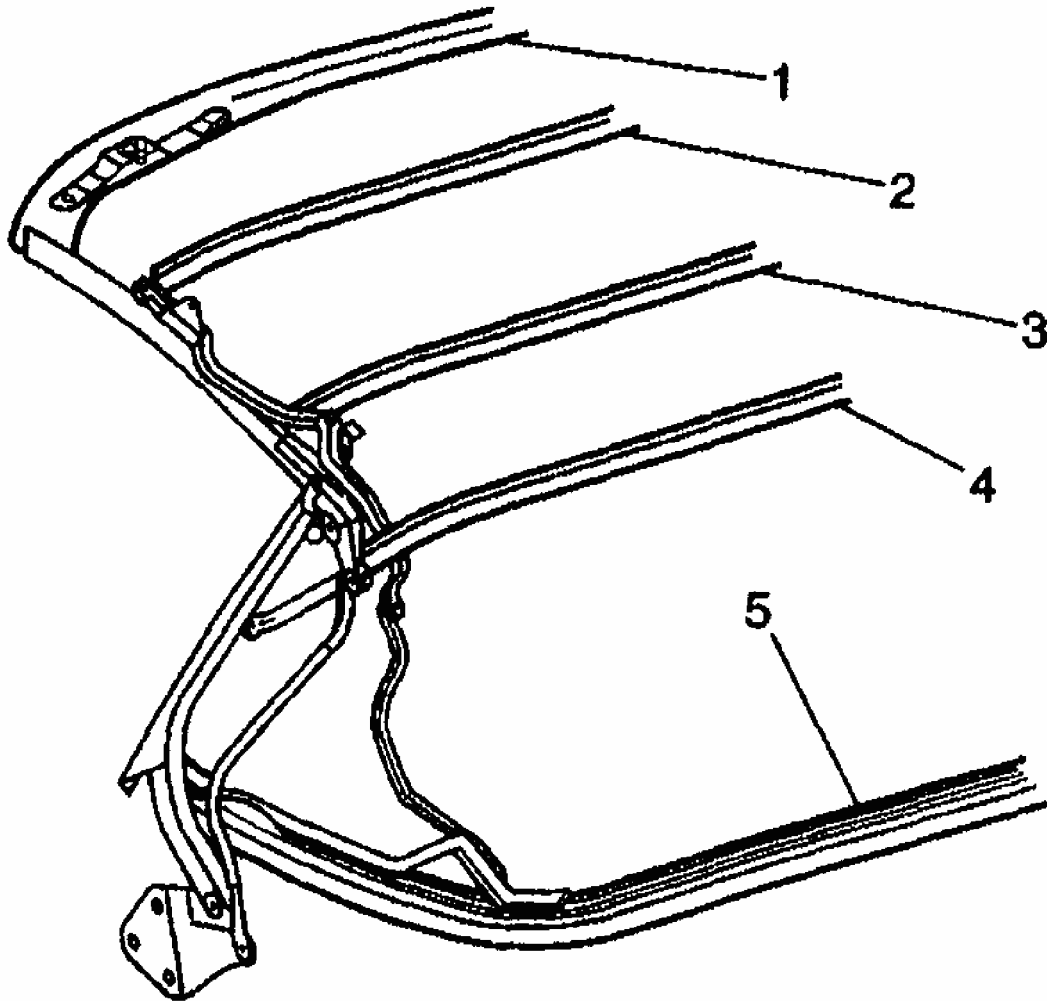
G01451451

Fig. 138: Top Cover Flap Rivets From Rear Side Rails
 Courtesy of GENERAL MOTORS CORP.

CAUTION: Refer to SAFETY GLASSES CAUTION in Cautions and Notices.

4. Drill out the top cover flap rivets from the rear side rails.
5. Pull the top material from the rear side rails.
6. Drill out the elastic strap rivets from the #5 bow.
7. Drill out the top cover rivets from the bottom of the rear side rails.
8. Pull the top cover from the bottom of the rear side rail and from the front of the #5 bow (5).
9. Using a grease pencil mark the position of the top cover along the edge where it wraps

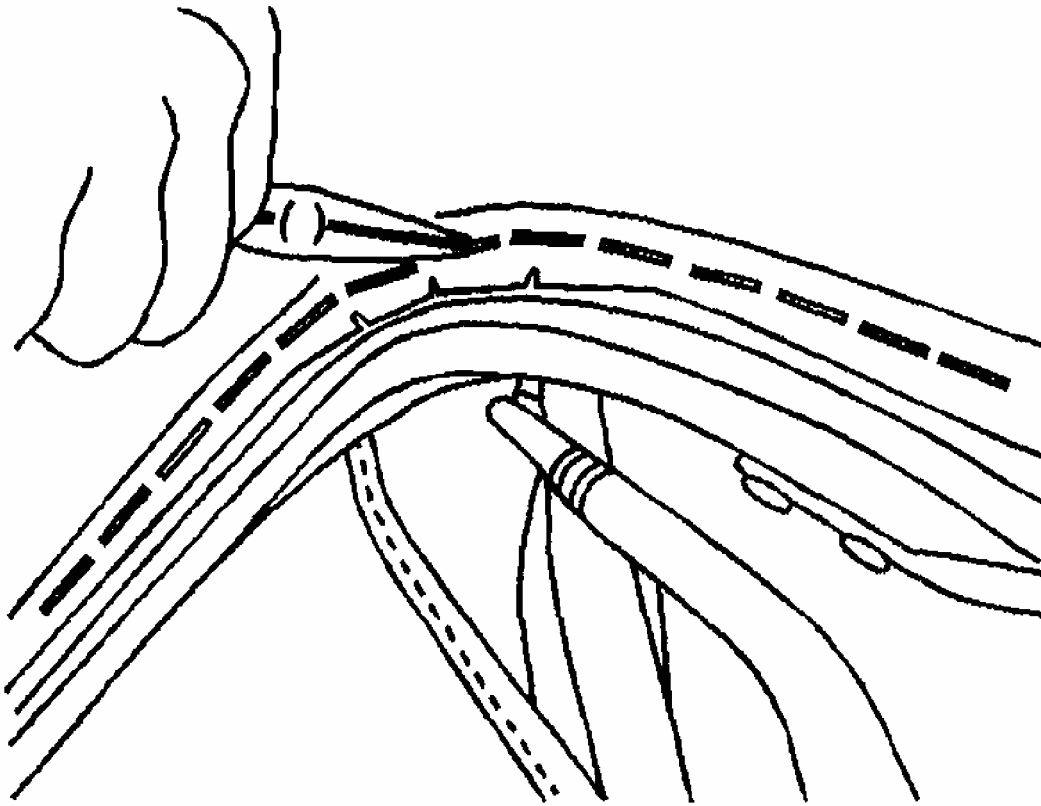
over the #5 bow to aid in installation.



G01451452

**Fig. 139: Top Cover From Bottom Of Rear Side Rail & From Front Of #5 Bow
Courtesy of GENERAL MOTORS CORP.**

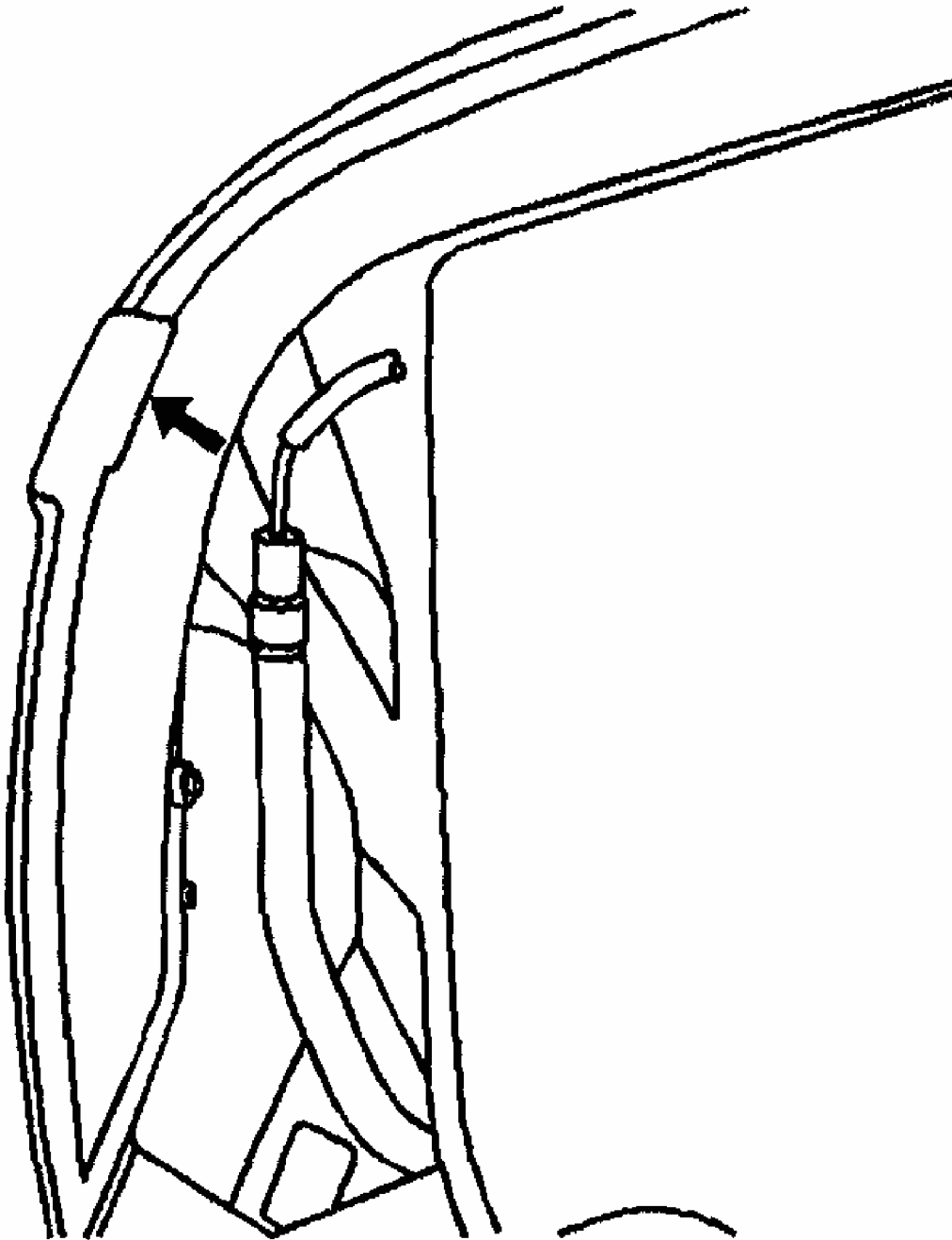
10. Using a pair of needle nose pliers remove the top cover staples from the #5 bow.
11. Mark the edge of the stay pad where it wraps over the #5 bow to aid in installation.



G01451453

Fig. 140: Top Cover Staples From #5 Bow
Courtesy of GENERAL MOTORS CORP.

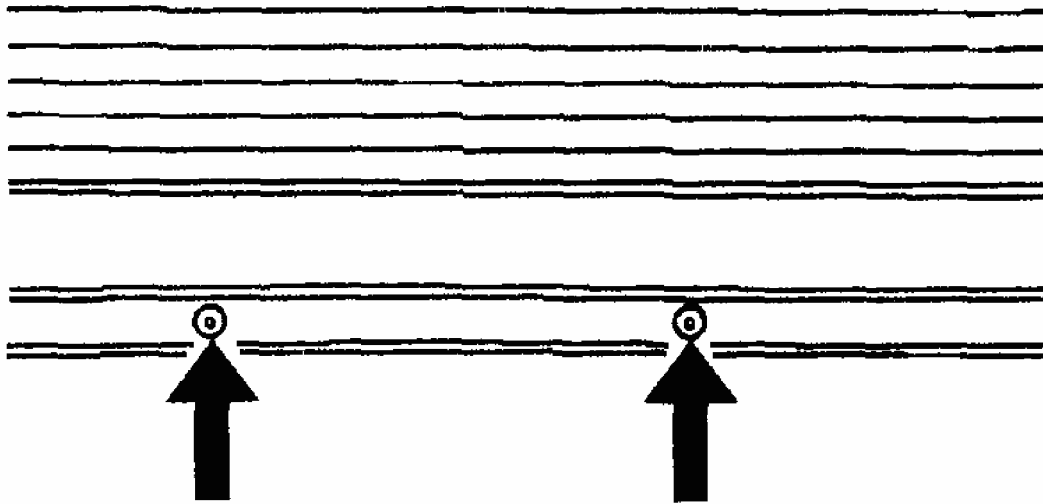
12. Using a pair of needle nose pliers remove the stay pad staples from the #5 bow.



G01451454

Fig. 141: Stay Pad Staples From #5 Bow
Courtesy of GENERAL MOTORS CORP.

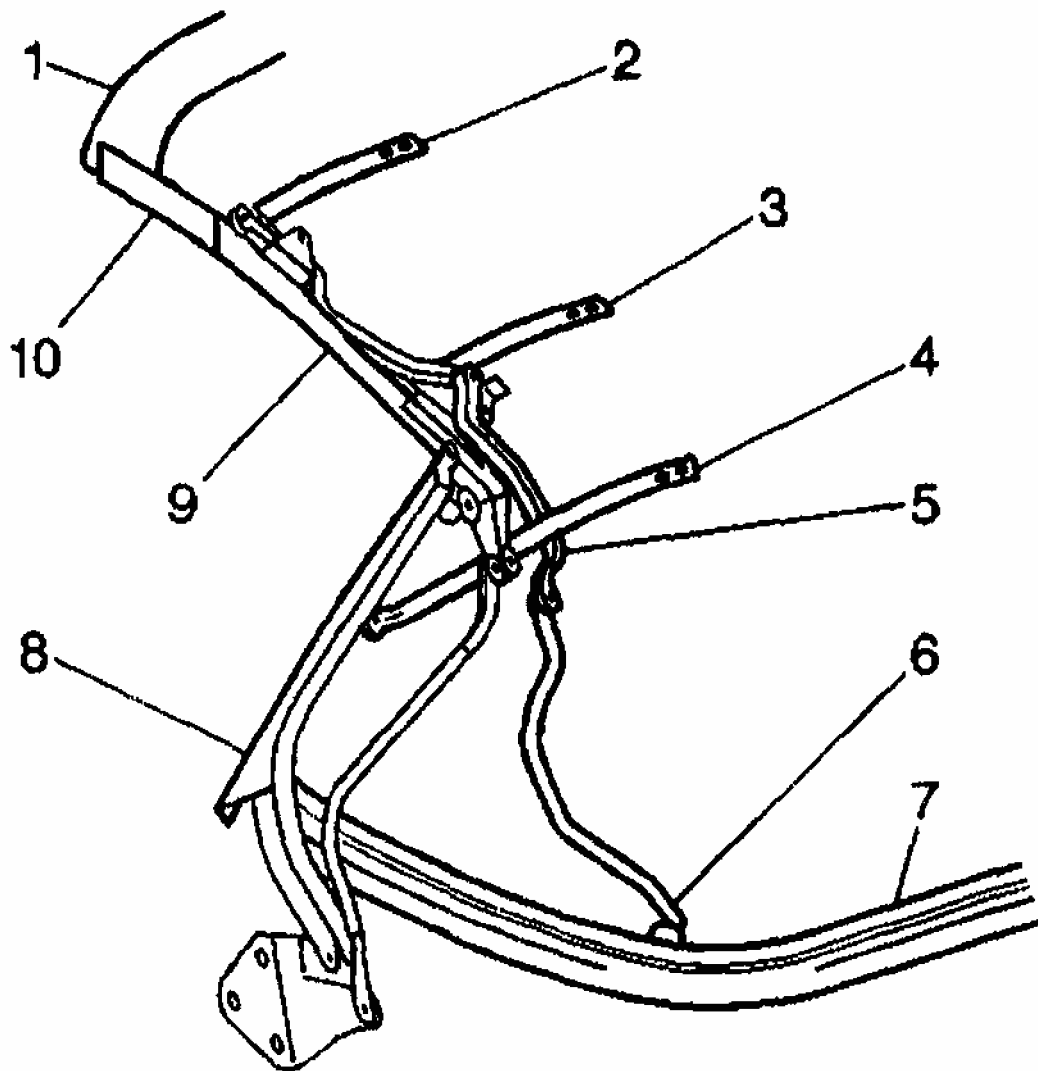
13. Remove the glare cover screws from the #5 bow.
14. Drill out the glare cover rivets to the 5 bow.



G01451455

Fig. 142: Glare Cover Rivets To 5 Bow
Courtesy of GENERAL MOTORS CORP.

15. Remove the right and left main control link rod end screws (6) from the # 5 bow (7).
16. Remove the protector from the right and left outer ends of the #5 bow and the bottom of the rear side rails to expose the rivet.
17. Drill out the right and the left rear side rail extension brackets rivets from the 5 bow.
18. Remove the rear side rail extension bracket screws from the 5 bow.
19. Remove the 5 bow.



G01451456

Fig. 143: Right & Left Main Control Link Rod End Screws From #5 Bow
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Install the # 5 bow.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Install the screws attaching the rear side rail (8) extension brackets to the #5 bow (7).

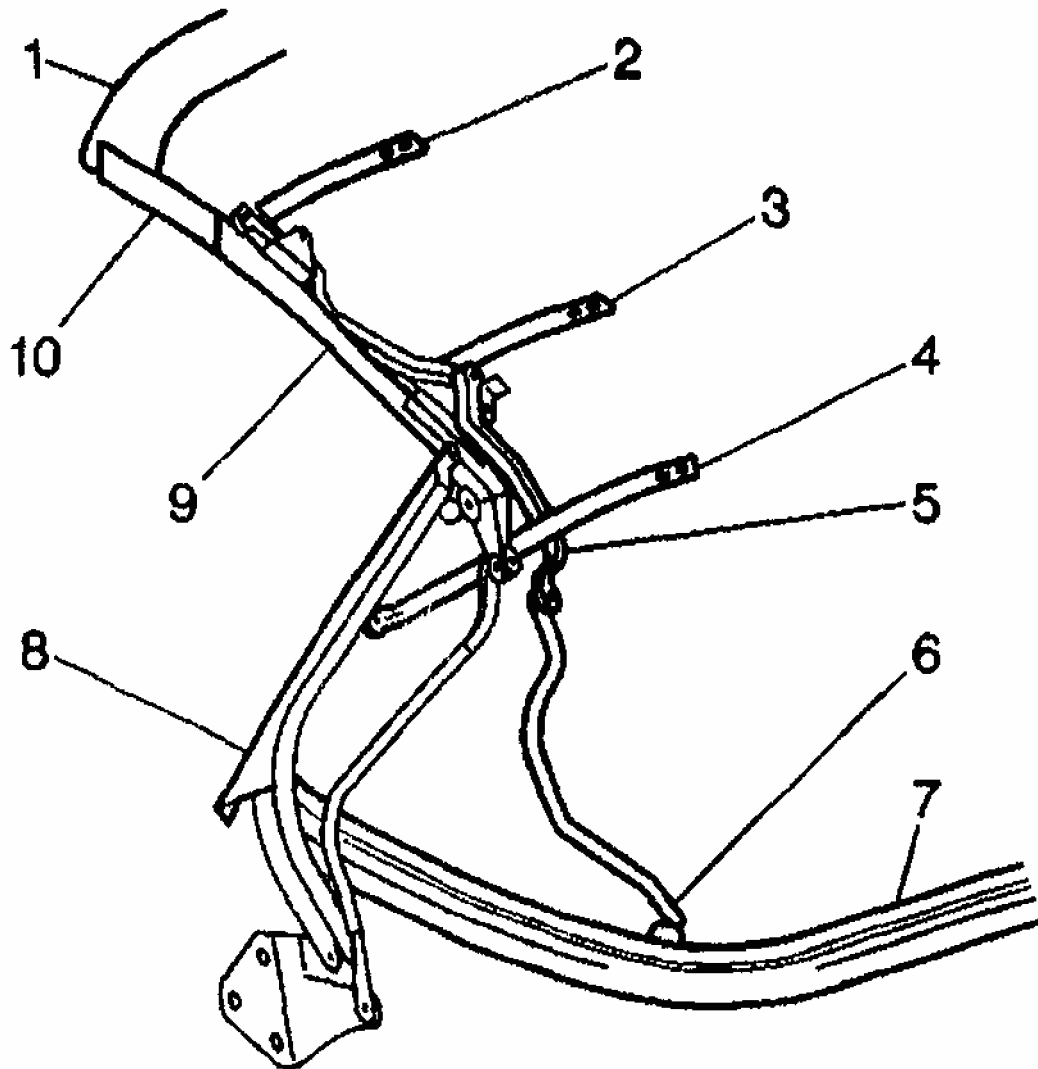
Tighten

Tighten the rear side rail to the # 5 bow bracket screws to 4 N.m (35 lb in).

3. Install the right and left main control link rod end screws (6) to the #5 bow (7).

Tighten

Tighten the main control link rod end screws to #5 bow to 15 N.m (11 lb ft).

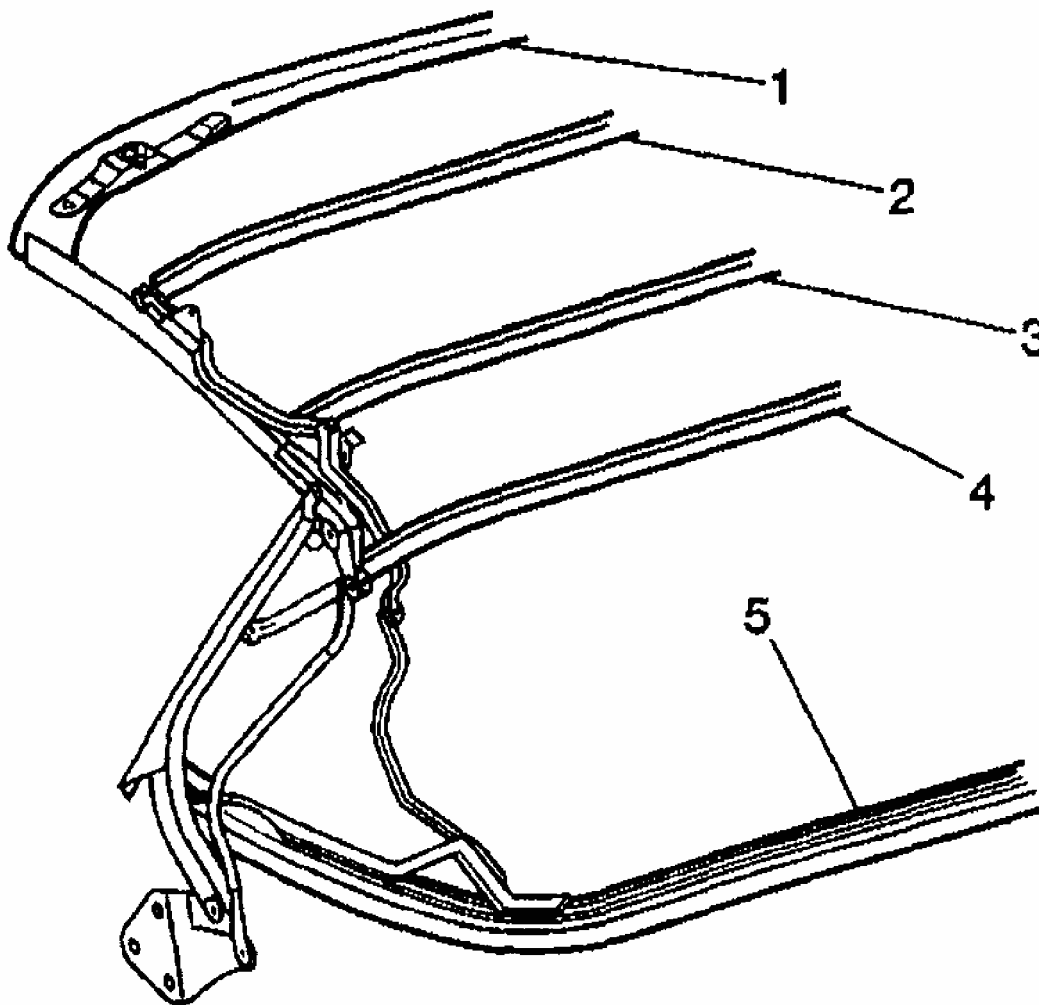


G01451457

Fig. 144: Right & Left Main Control Link Rod End Screws To #5 Bow
Courtesy of GENERAL MOTORS CORP.

4. Install the rear side rail bracket rivets to the 5 bow (5).

5. Make sure both sides of the rivet are flat.



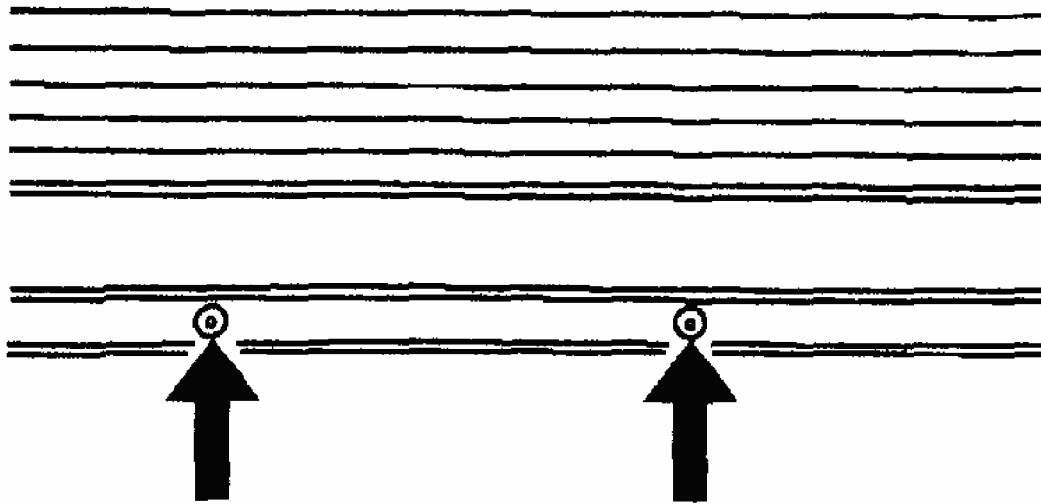
G01451458

Fig. 145: Rear Side Rail Bracket Rivets To 5 Bow
Courtesy of GENERAL MOTORS CORP.

6. Install the glare cover rivets to the #5 bow.
7. Install the glare cover screws to the # 5 bow.

Tighten

Tighten the screws to 2 N.m (18 lb in).



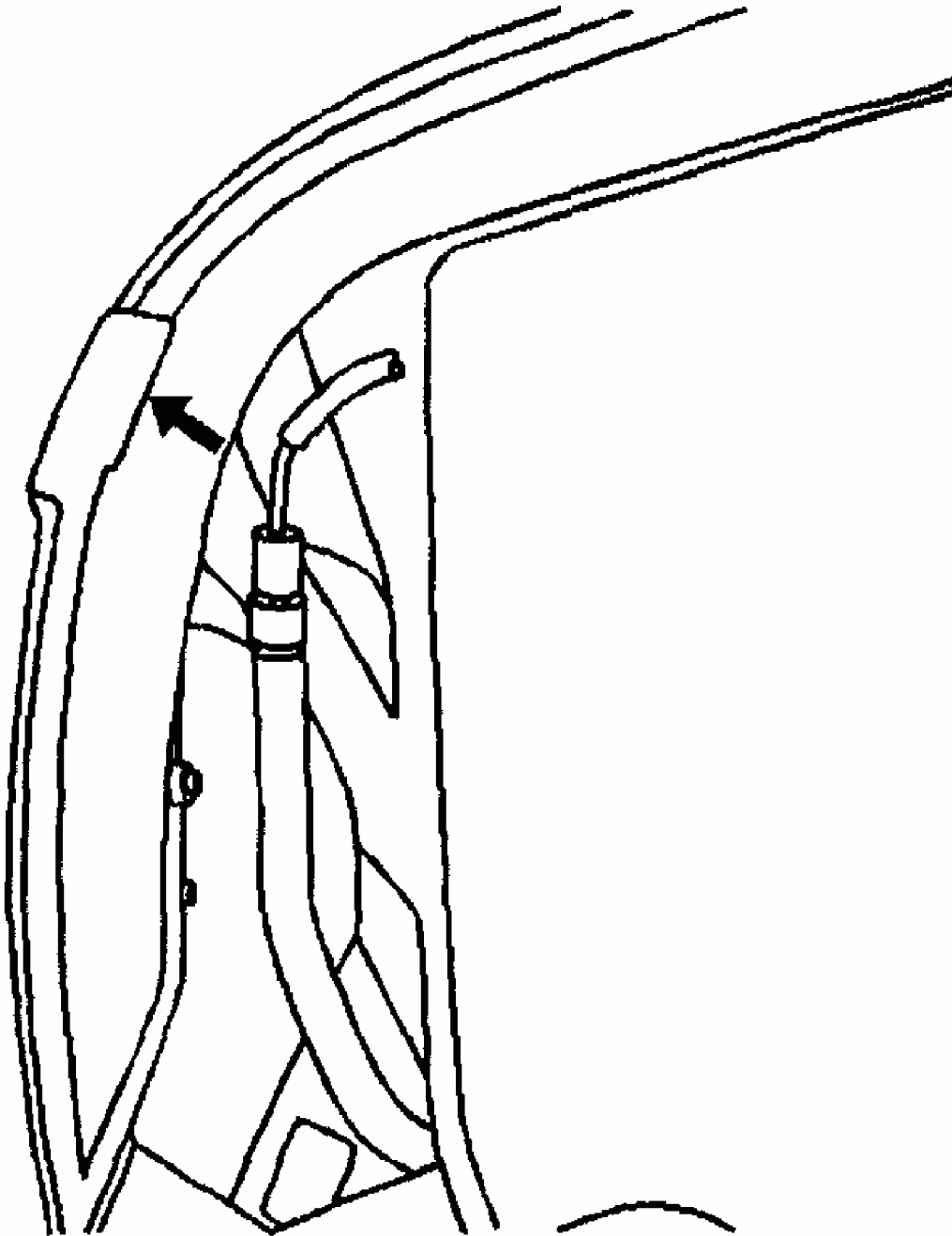
G01451459

Fig. 146: Glare Cover Rivets To #5 Bow
Courtesy of GENERAL MOTORS CORP.

8. Staple the stay pad to the #5 bow.
9. Install the top cover rivets to the bottom of the rear side rail.
10. Install the #5 bow protector elastic strap rivets to the rear side rails.

Make sure both sides of the rivets are flat.

11. Fold the top flap over the rear side rail and rivet the top flap to the rail.
12. Install the rear side rail seal retainer and the seal. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** .
13. Install the folding top. Refer to **FOLDING TOP REPLACEMENT** .
14. Reposition the folding top to the original position.



G01451460

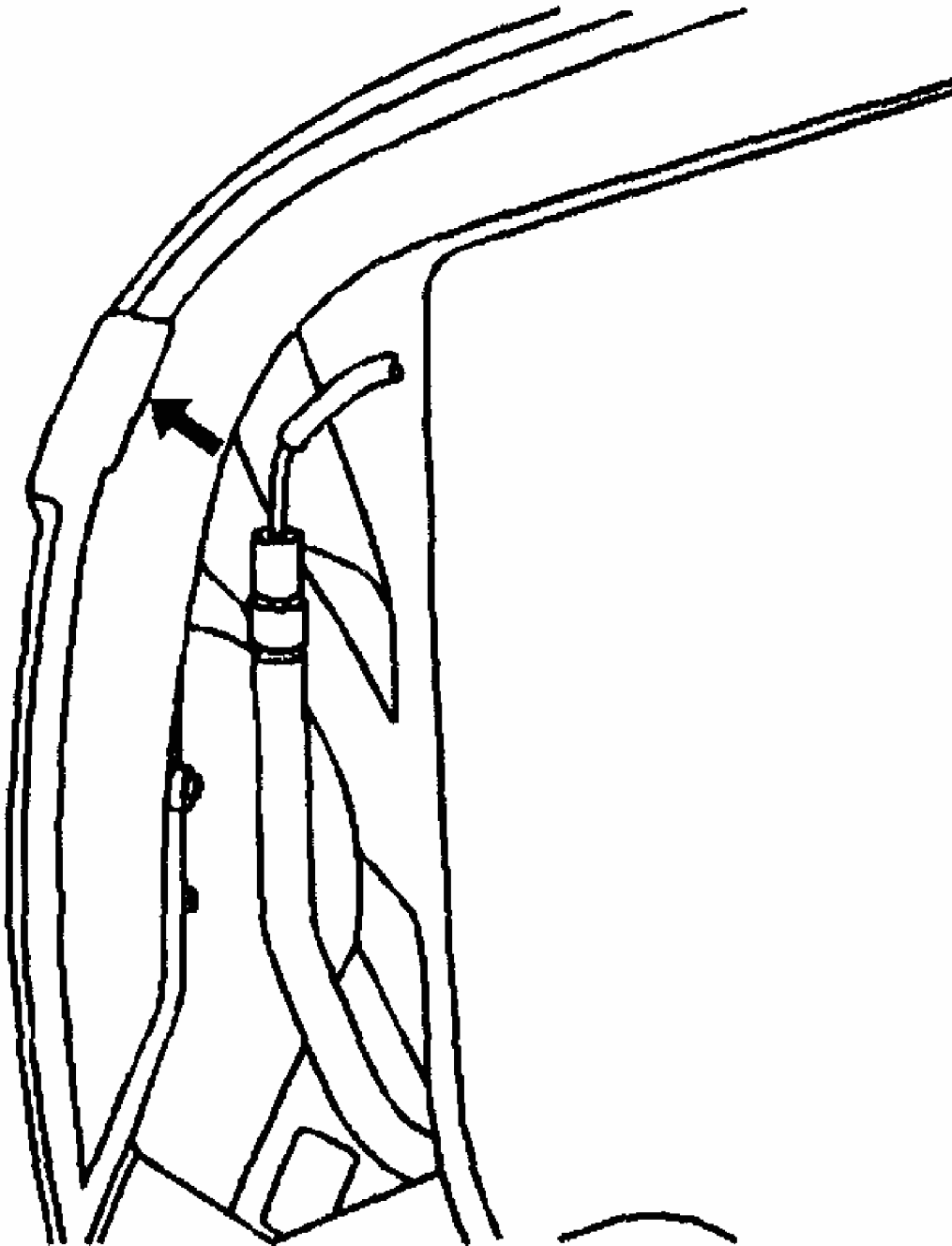
Fig. 147: Stay Pad To #5 Bow
Courtesy of GENERAL MOTORS CORP.

2003 Chevrolet Corvette

2003 ACCESSORIES & EQUIPMENT Roof - Corvette

Removal Procedure

1. Remove the folding top cover. Refer to **FOLDING TOP COVER REPLACEMENT**.
2. Using a pair of needle-nosed pliers, remove the stay pad staples from the #5 bow.
3. Cover the stowage compartment lid to protect the lid from damage.
4. Latch the top.

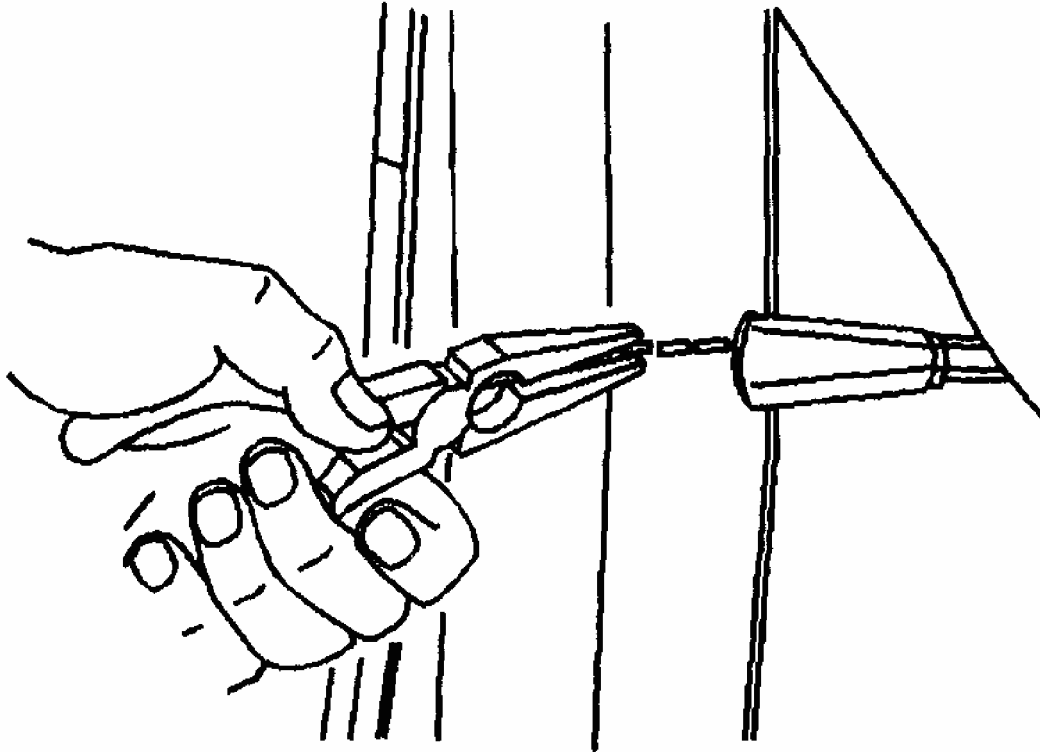


G01451461

Fig. 148: Stay Pad Staples From #5 Bow
Courtesy of GENERAL MOTORS CORP.

5. Using a pair of needle-nosed pliers, remove the stay pad staples to the #4, 3, and 2 bows.

6. Drill out the stay pad rivets to the #1 bow.
7. Remove the stay pad.

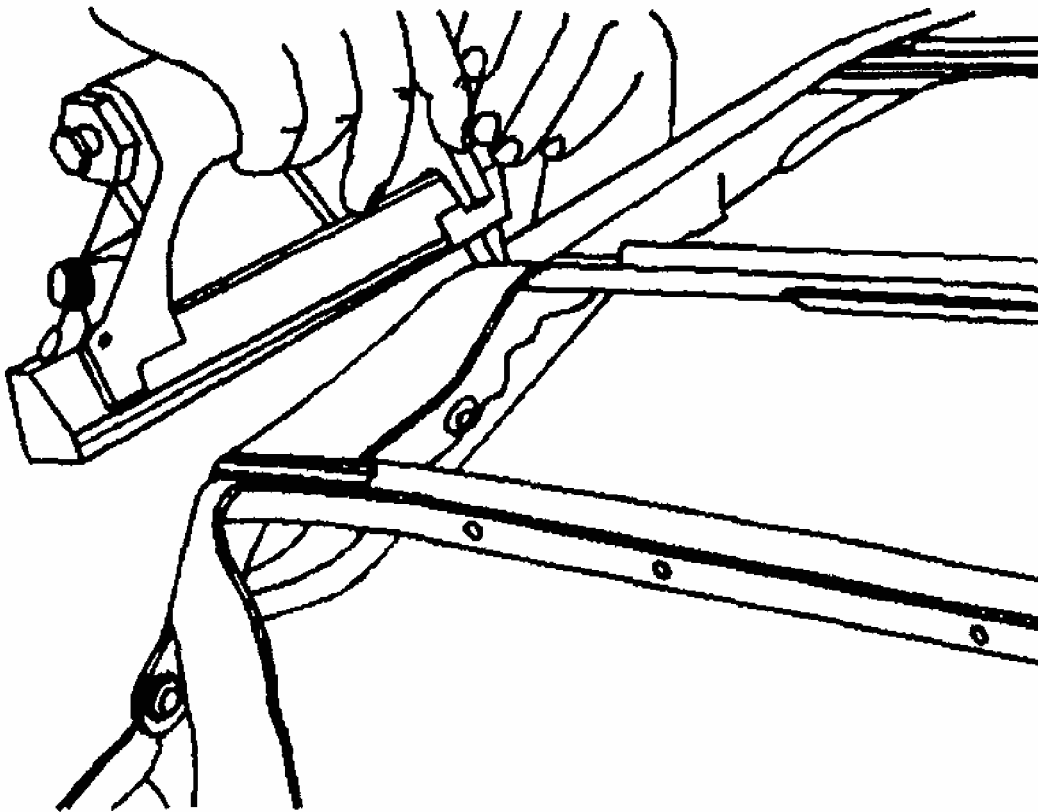


G01451462

Fig. 149: Stay Pad Staples To #4, 3 & 2 Bows
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

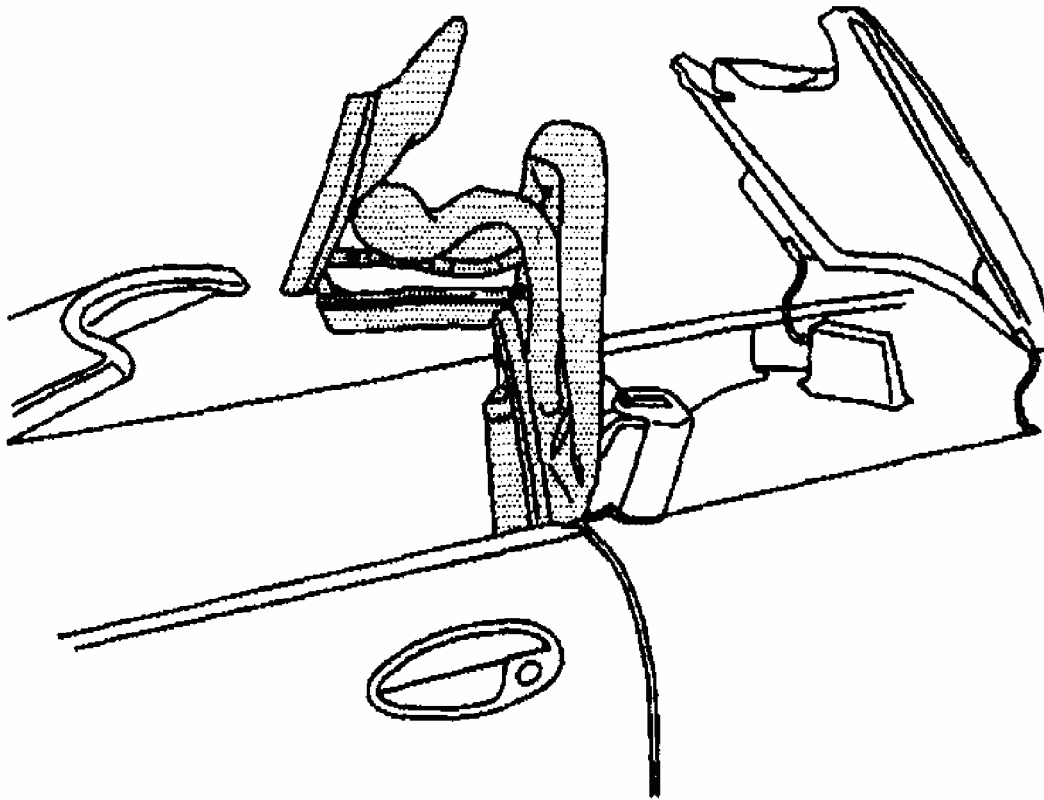
1. Rivet the stay pad to the #1 bow.
2. Staple the stay pad to the #4 bow.
3. Staple the stay pad to the #2 and 3 bows.



G01451463

Fig. 150: Stapling Stay Pad
Courtesy of GENERAL MOTORS CORP.

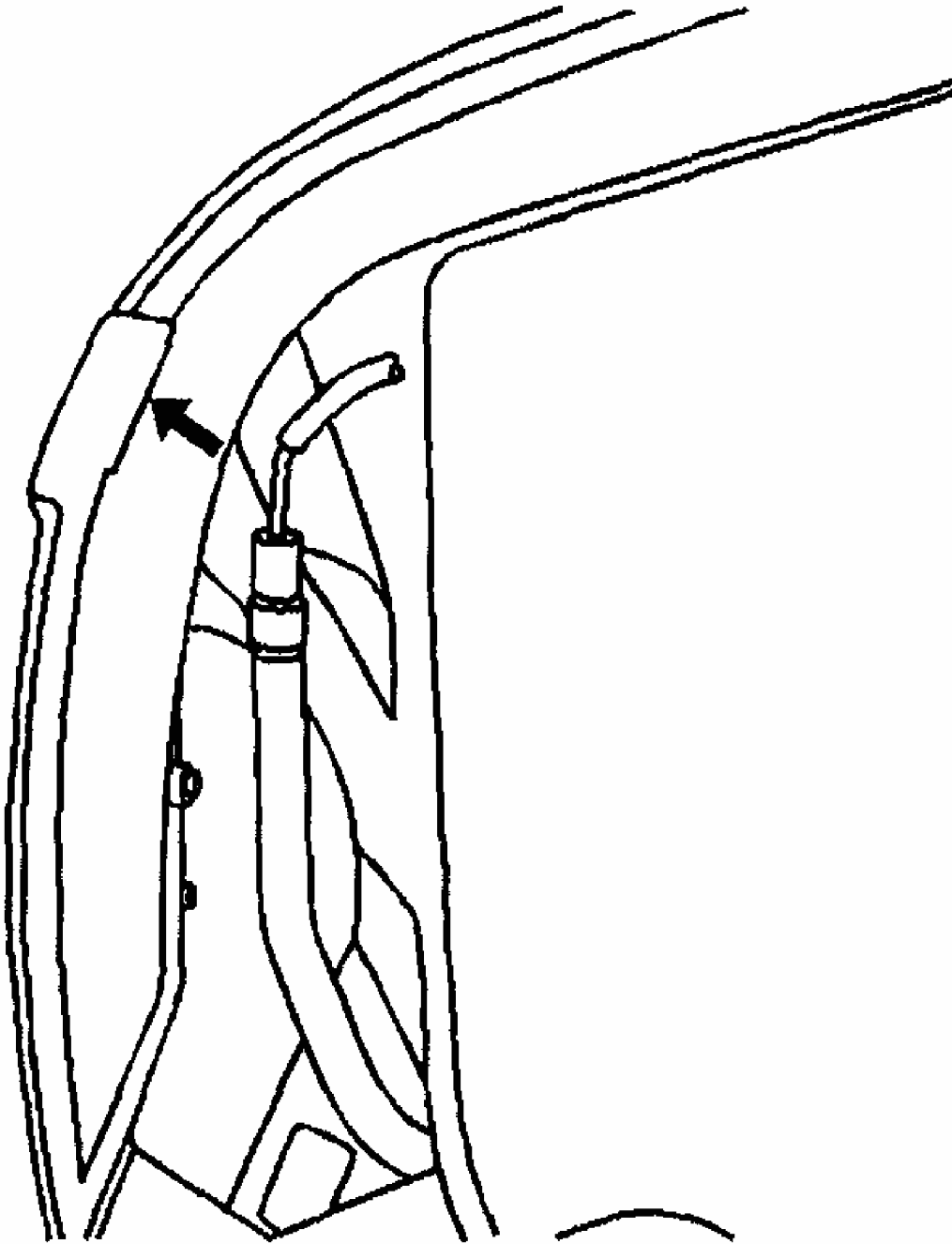
4. Position the #5 bow in the up position.



G01451464

Fig. 151: Positioning #5 Bow In Up Position
Courtesy of GENERAL MOTORS CORP.

5. Staple the stay pad to the #5 bow.
6. Install the folding top cover. Refer to ***FOLDING TOP COVER REPLACEMENT***.
7. Remove the protective cover from the stowage compartment lid.

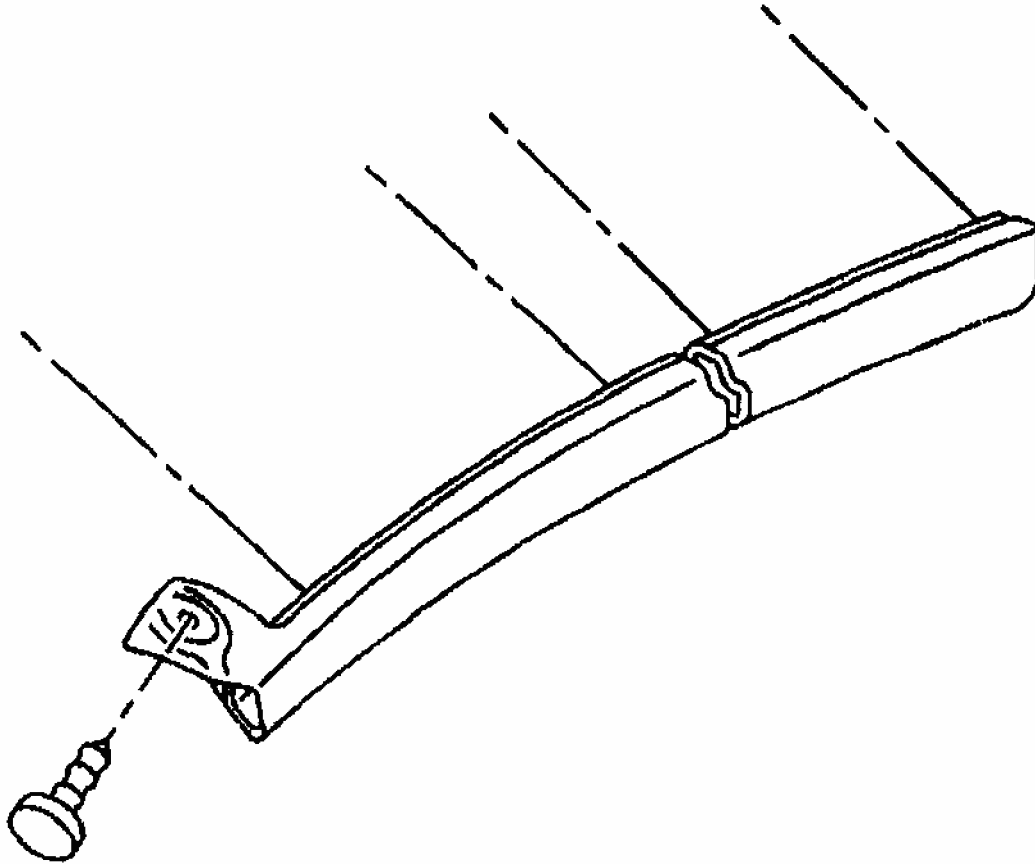


G01451465

Fig. 152: Stapling Stay Pad To #5 Bow
Courtesy of GENERAL MOTORS CORP.

Removal Procedure

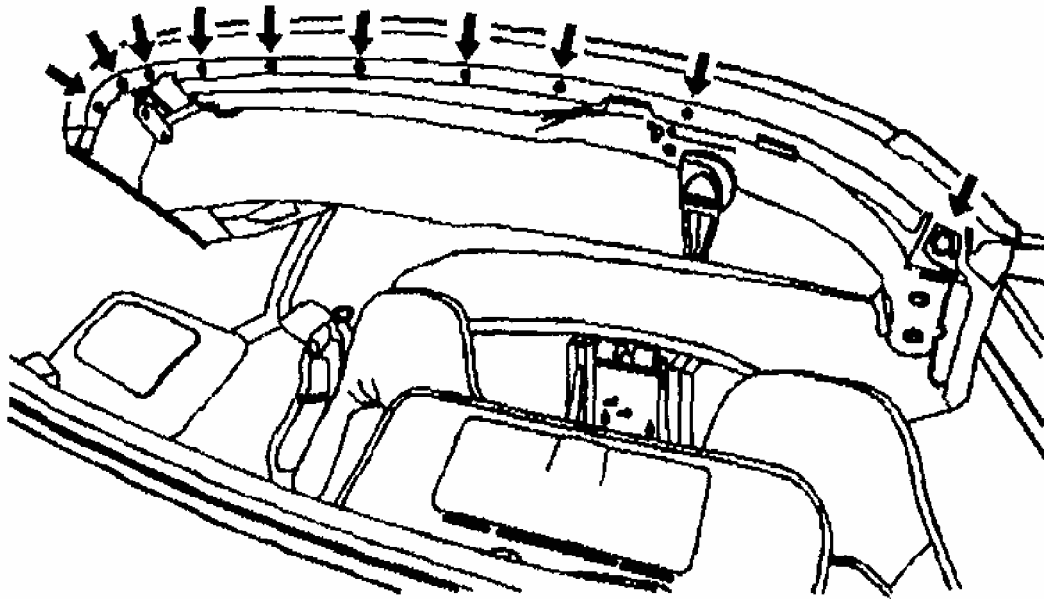
1. Remove the screws from the front side rail seal on the #1 bow.



G01451466

Fig. 153: Screws From Front Side Rail Seal On #1 Bow
Courtesy of GENERAL MOTORS CORP.

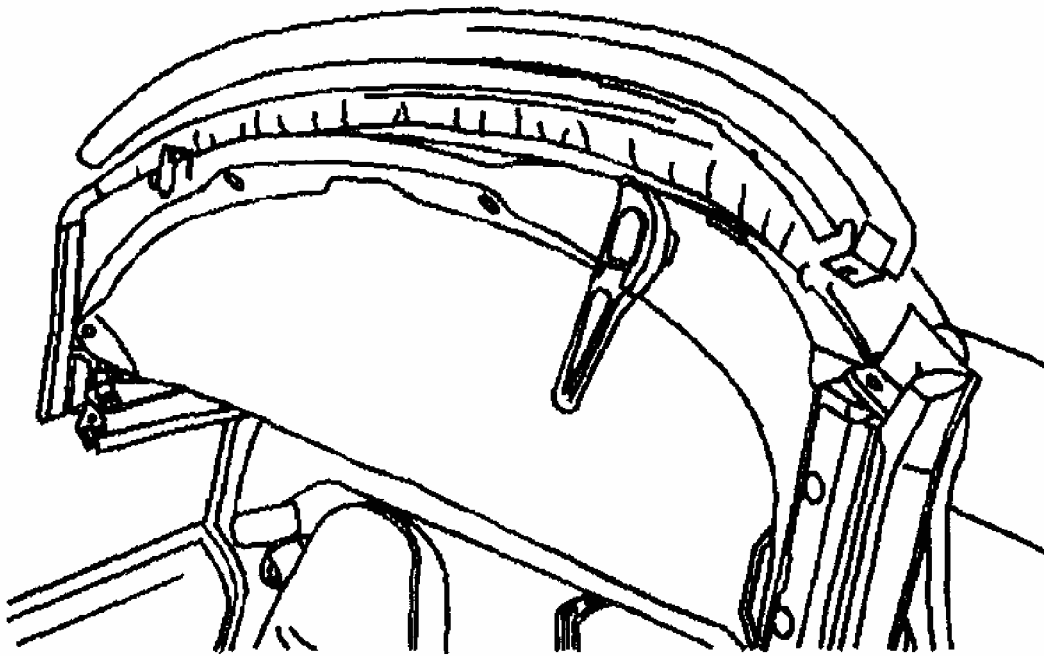
2. Remove the screws from the seal compression panel on the #1 bow.



G01451467

Fig. 154: Screws From Seal Compression Panel On #1 Bow
Courtesy of GENERAL MOTORS CORP.

3. Remove the panel.

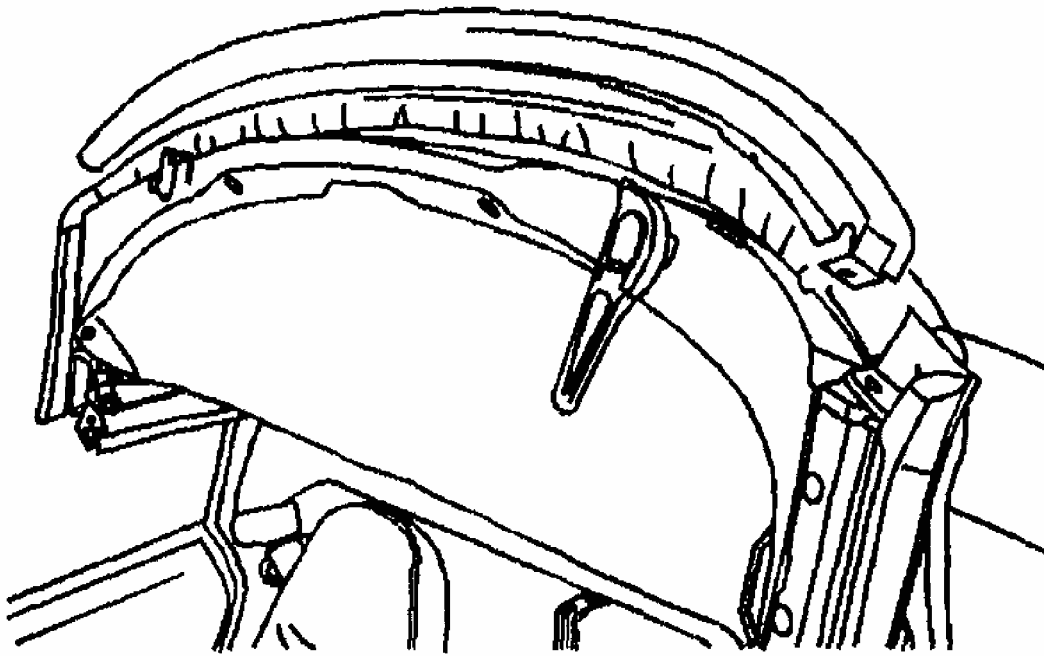


G01451468

Fig. 155: Panel
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Position the seal compression panel to the #1 bow.



G01451469

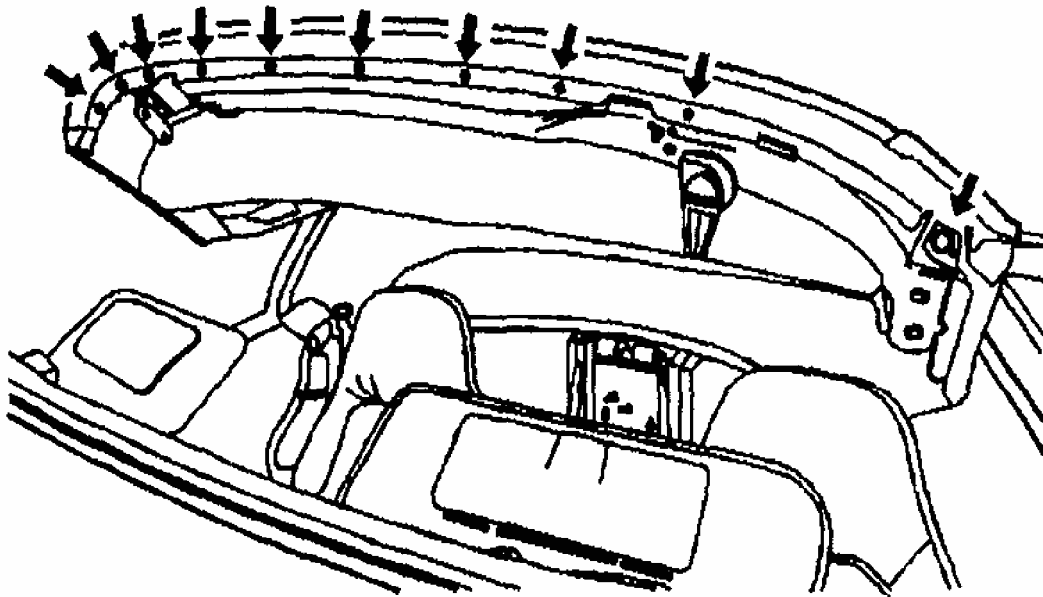
Fig. 156: Positioning Seal Compression Panel To #1 Bow
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to FASTENER NOTICE in Cautions and Notices.

2. Install the screws to the seal compression panel on the #1 bow.

Tighten

Tighten the screws to 3 N.m (26 lb in).



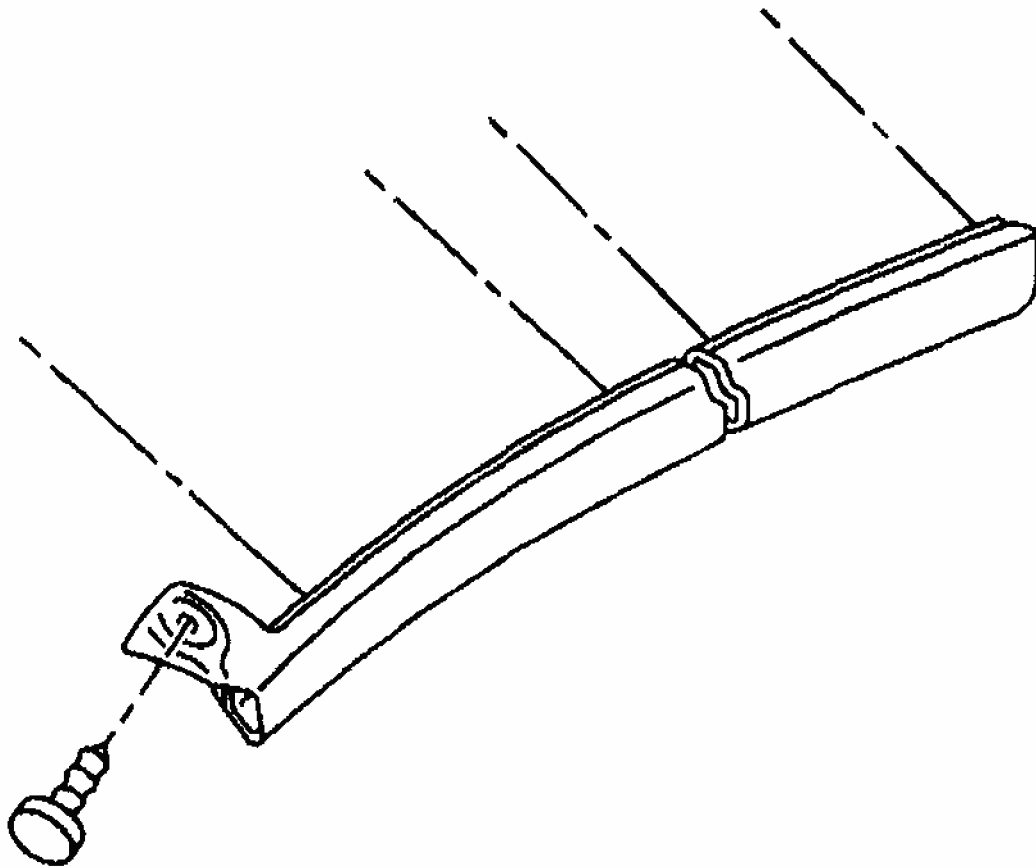
G01451470

Fig. 157: Screws To Seal Compression Panel On #1 Bow
Courtesy of GENERAL MOTORS CORP.

3. Install the screw to the front side rail seal on the #1 bow.

Tighten

Tighten the screw to 2 N.m (18 lb in).



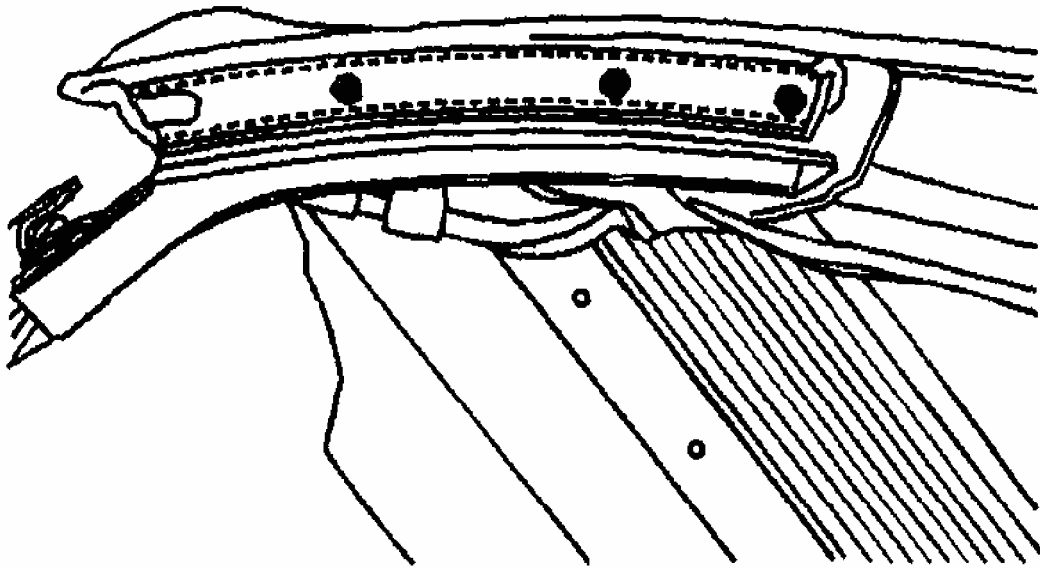
G01451471

Fig. 158: Screw To Front Side Rail Seal On #1 Bow
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP TENSION CABLE REPLACEMENT

Removal Procedure

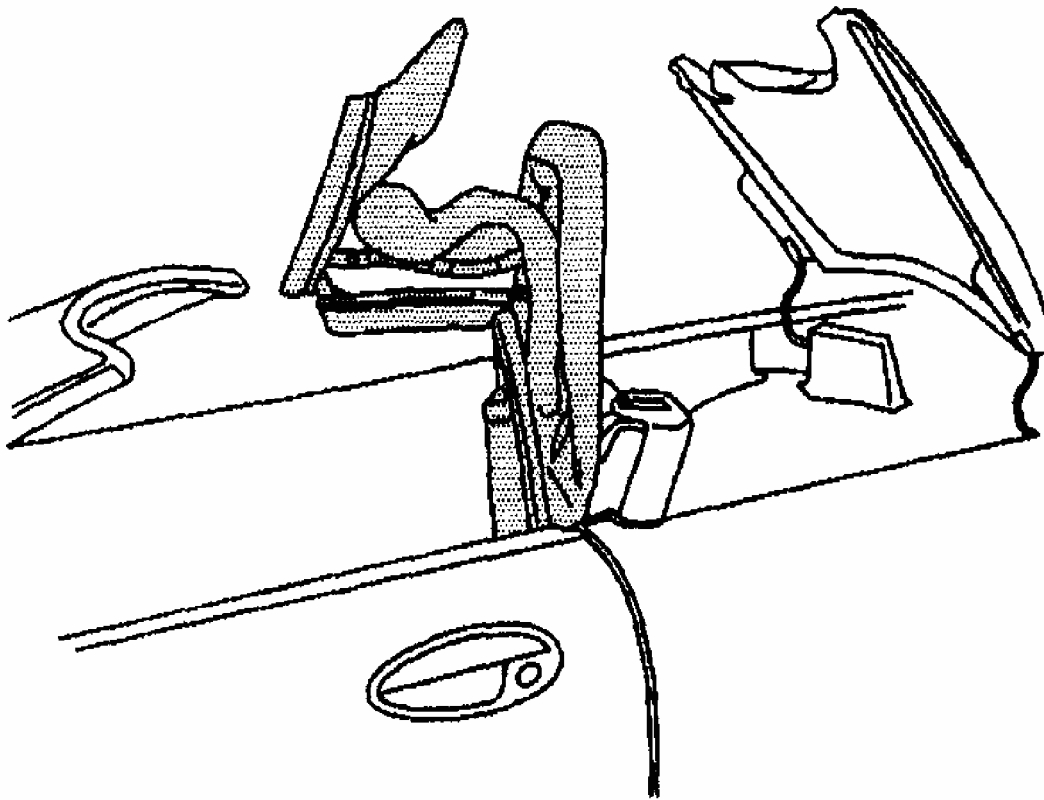
1. Remove the folding top from the vehicle. Refer to **FOLDING TOP REPLACEMENT** .
2. Remove the weatherstrip and the retainer from the rear side rail. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** .
3. Drill out the top cover flap rivets from the rear side rail.
4. Raise the top cover flap and drill out the tension cable rivet from the rear side rail.



G01451472

Fig. 159: Top Cover Flap Rivets From Rear Side Rail
Courtesy of GENERAL MOTORS CORP.

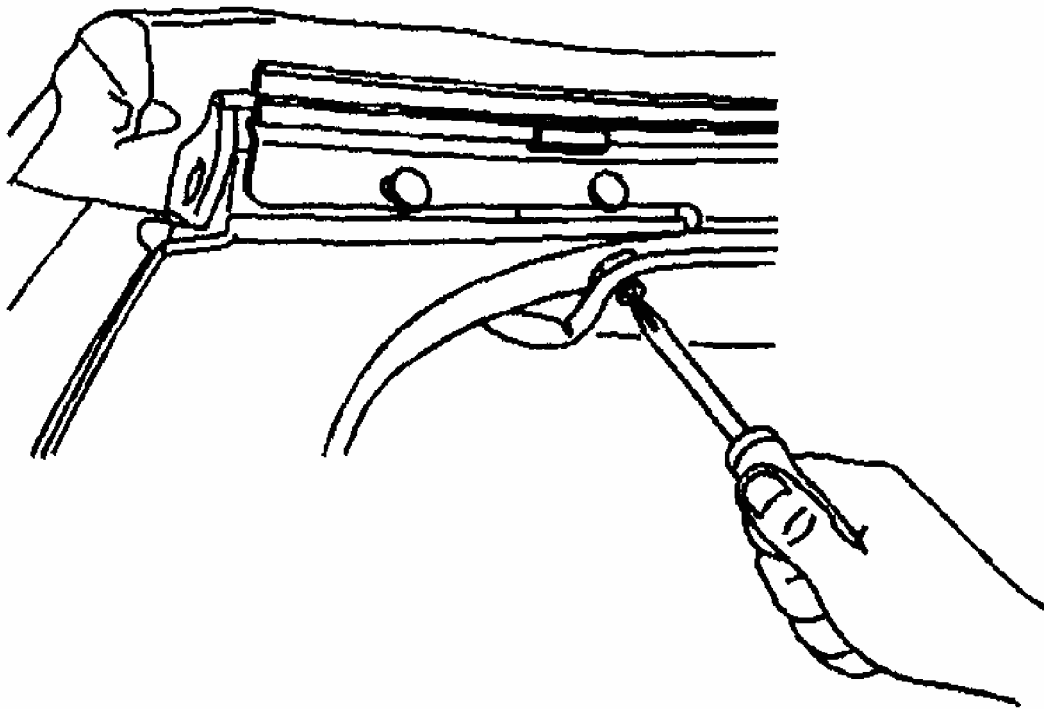
5. Position the top with the #1 bow and the #5 bow up.



G01451473

Fig. 160: Positioning Top With #1 Bow & #5 Bow Up
Courtesy of GENERAL MOTORS CORP.

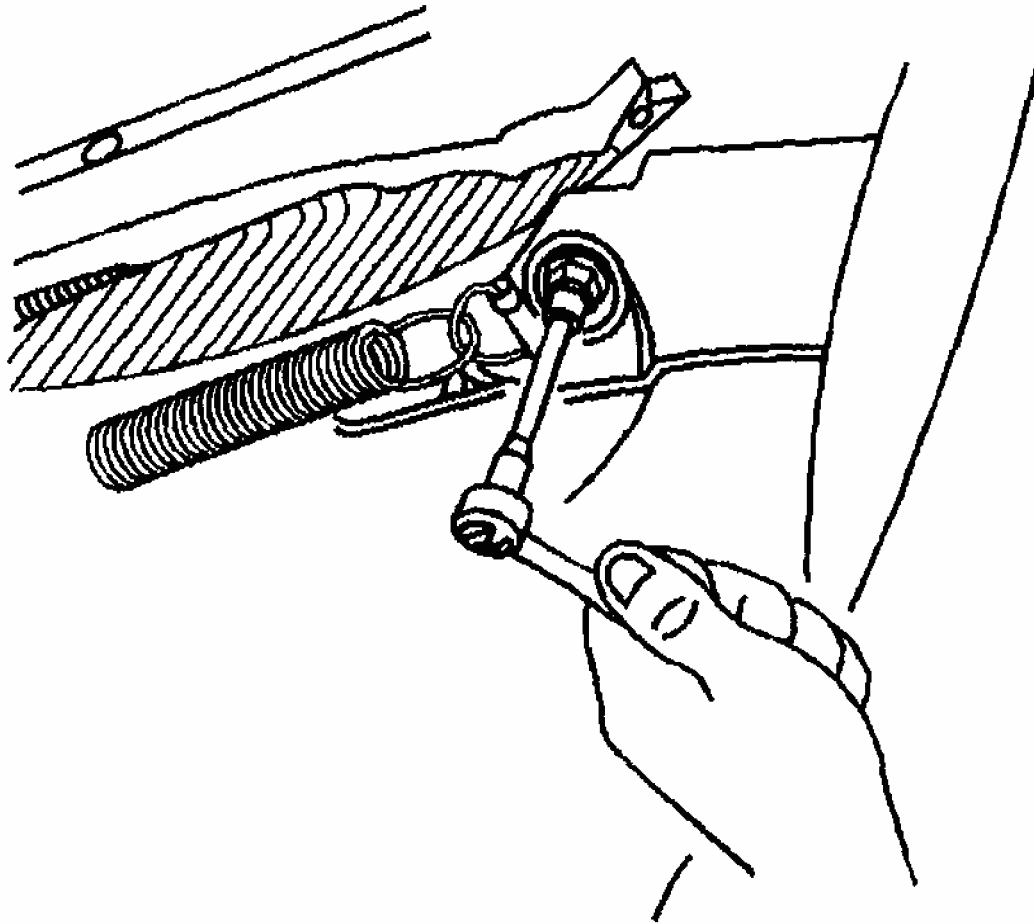
6. Remove the headliner screw from the #1 bow.



G01451474

Fig. 161: Headliner Screw From #1 Bow
Courtesy of GENERAL MOTORS CORP.

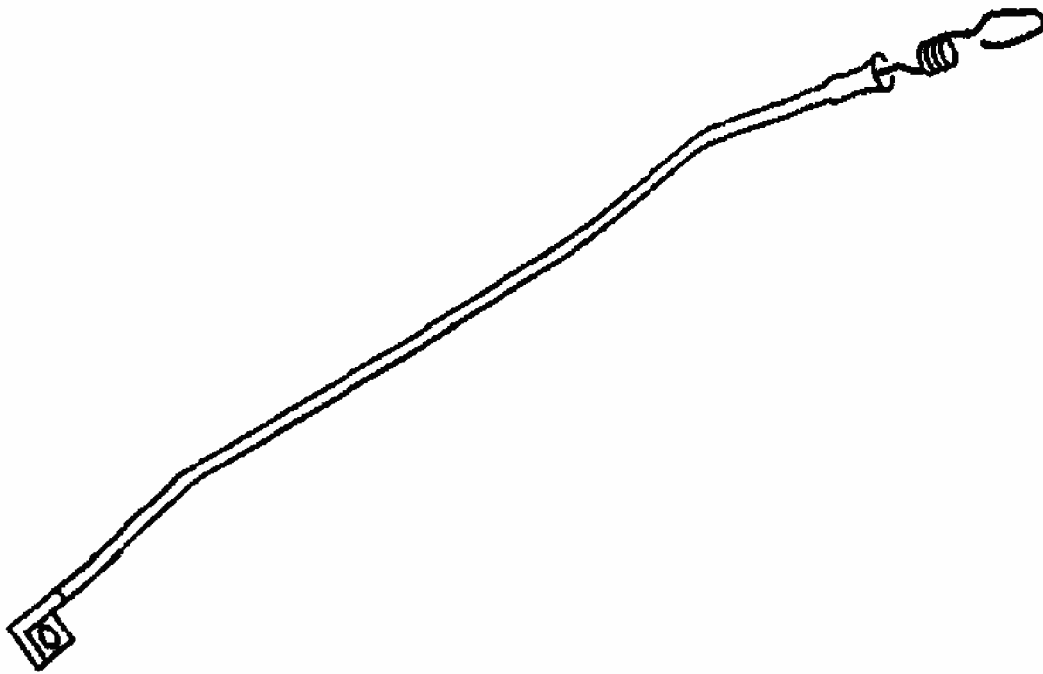
7. Remove the screw from the tension cable spring end on the #1 bow.



G01451475

Fig. 162: Screw From Tension Cable Spring End On #1 Bow
Courtesy of GENERAL MOTORS CORP.

8. Remove the spring from the end of the tension cable and attach approximately five feet of 16 gauge wire to aid in the installation.
9. From the rear of the top remove the tension cable, leaving the wire in the top pocket.
10. Disconnect the tension cable from the wire.

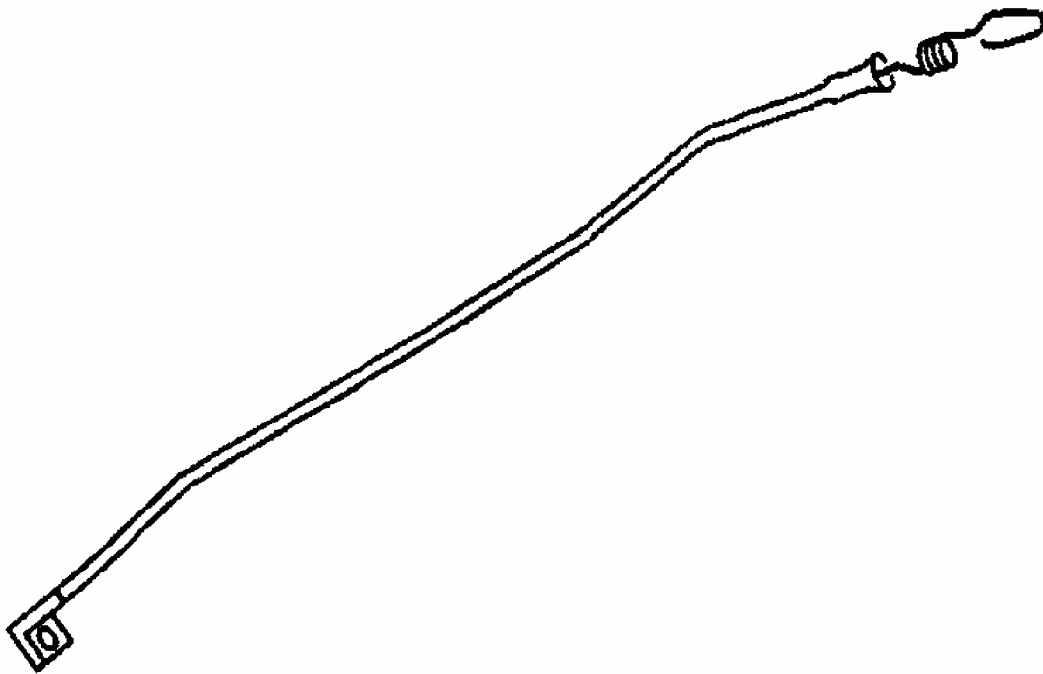


G01451476

Fig. 163: Disconnecting Tension Cable From Wire
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Remove the spring, attaching the rear of the wire to the spring end of the cable.
2. Pull the wire forward until the cable is in the proper position. Remove the wire and reinstall the spring.



G01451477

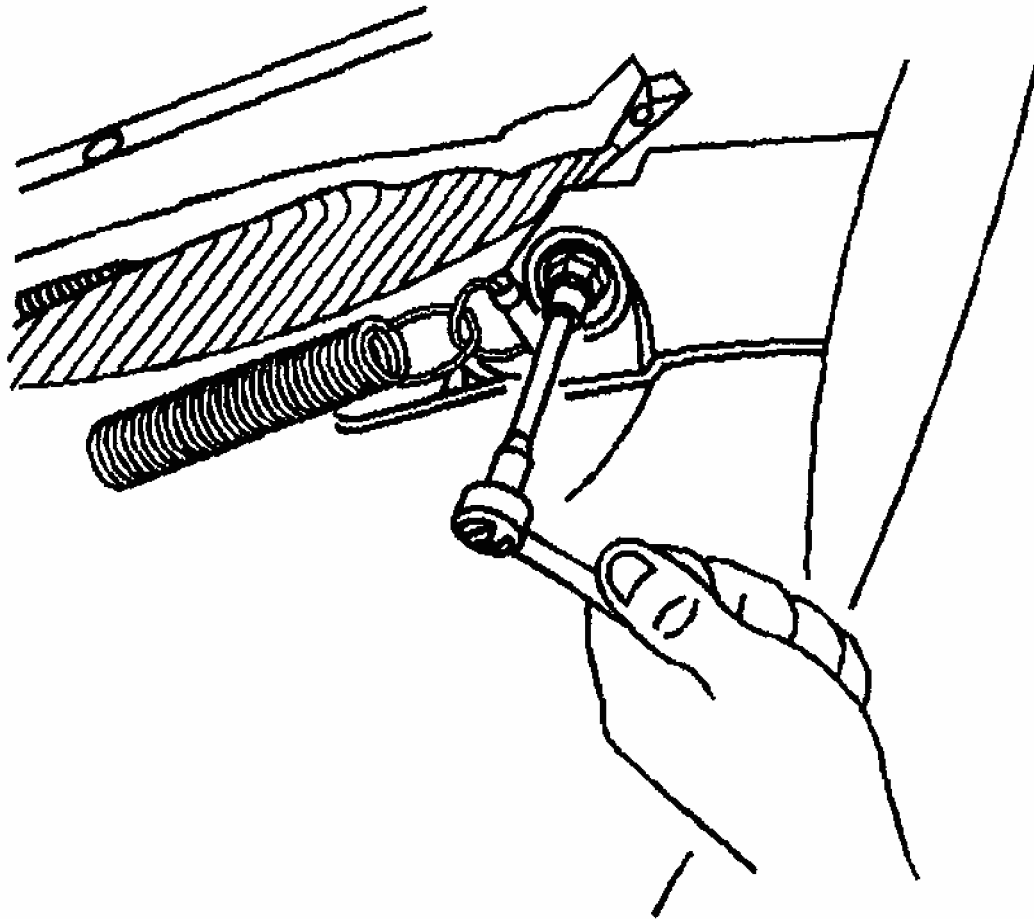
Fig. 164: Connecting Tension Cable To Wire
Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to FASTENER NOTICE in Cautions and Notices.

3. Install the screw to the tension cable spring end on the #1 bow.

Tighten

Tighten the screw to 2 N.m (18 lb in).



G01451478

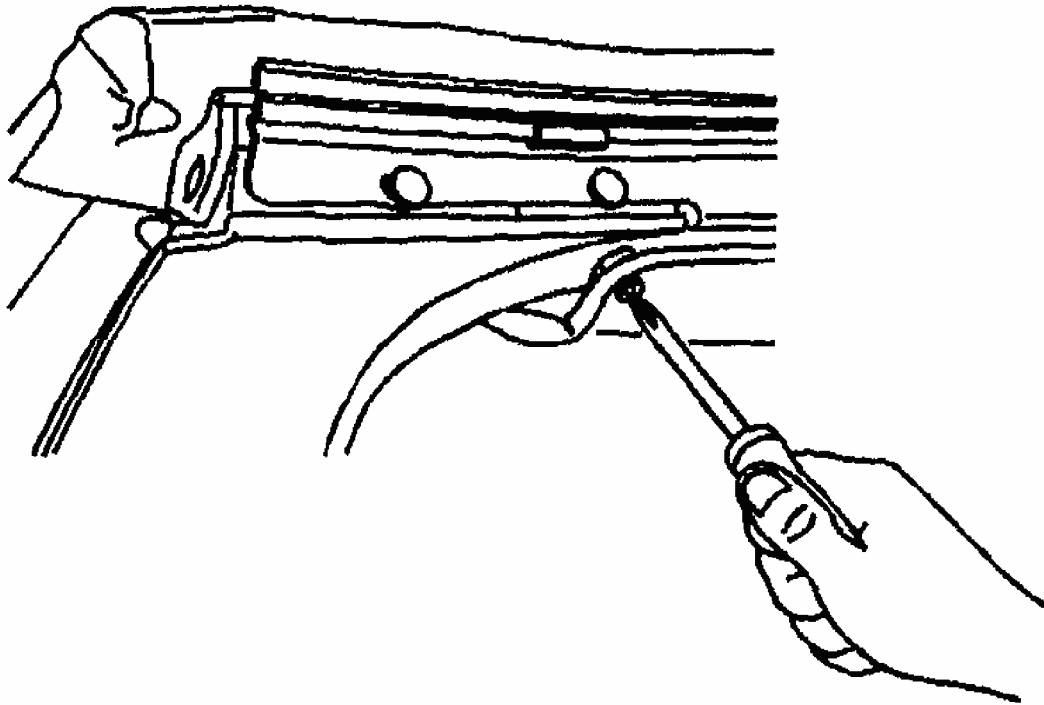
Fig. 165: Screw To Tension Cable Spring End On #1 Bow
Courtesy of GENERAL MOTORS CORP.

4. Install the headliner screw to the #1 bow

Tighten

Tighten the screw to 2 N.m (18 lb in).

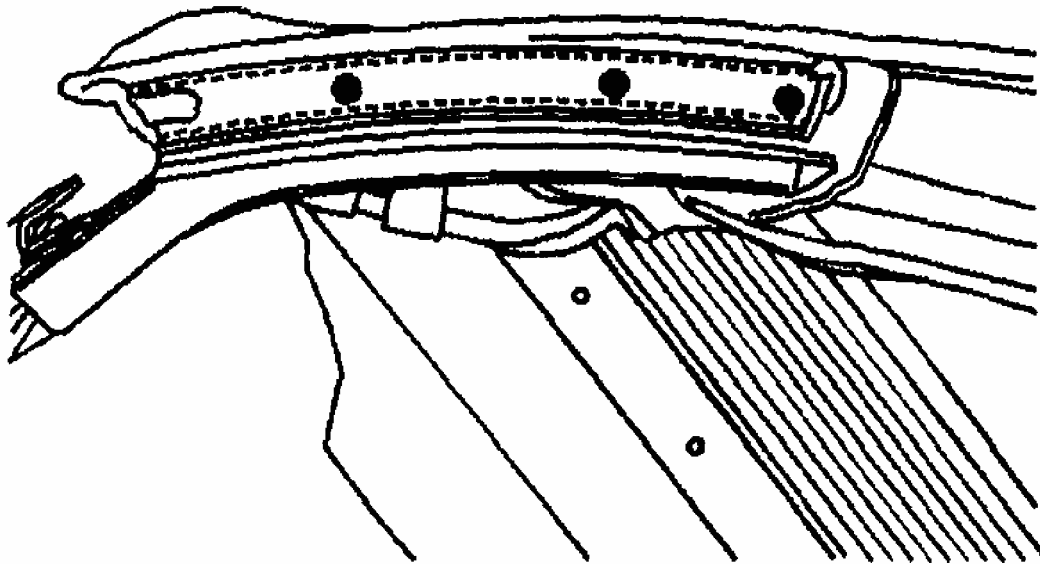
5. Rivet the flag end of the tension cable to the back side of the rear side rail.
 1. Position the flag roll forward.
 2. Use a C rivet or a stainless steel pop rivet.
 3. With a ball peen hammer, tap the rivet head flush with the retainer.



G01451479

Fig. 166: Headliner Screw To #1 Bow
Courtesy of GENERAL MOTORS CORP.

6. Fold the top cover flap over the rear side rail and rivet place.
7. Install the rear side weatherstrip retainer and the weatherstrip to the rear side rail. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** .
8. Install the folding top to the vehicle. Refer to **FOLDING TOP REPLACEMENT** .



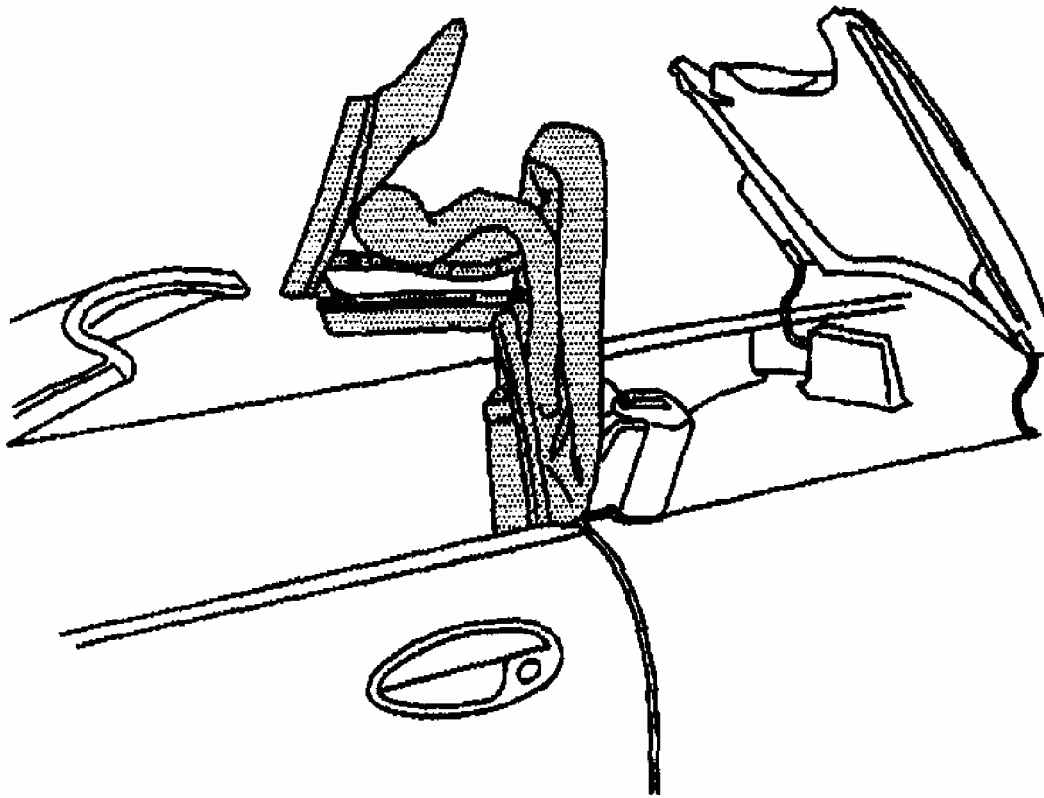
G01451480

Fig. 167: Top Cover Flap Rivets To Rear Side Rail
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP CLOCK SPRING REPLACEMENT

Removal Procedure

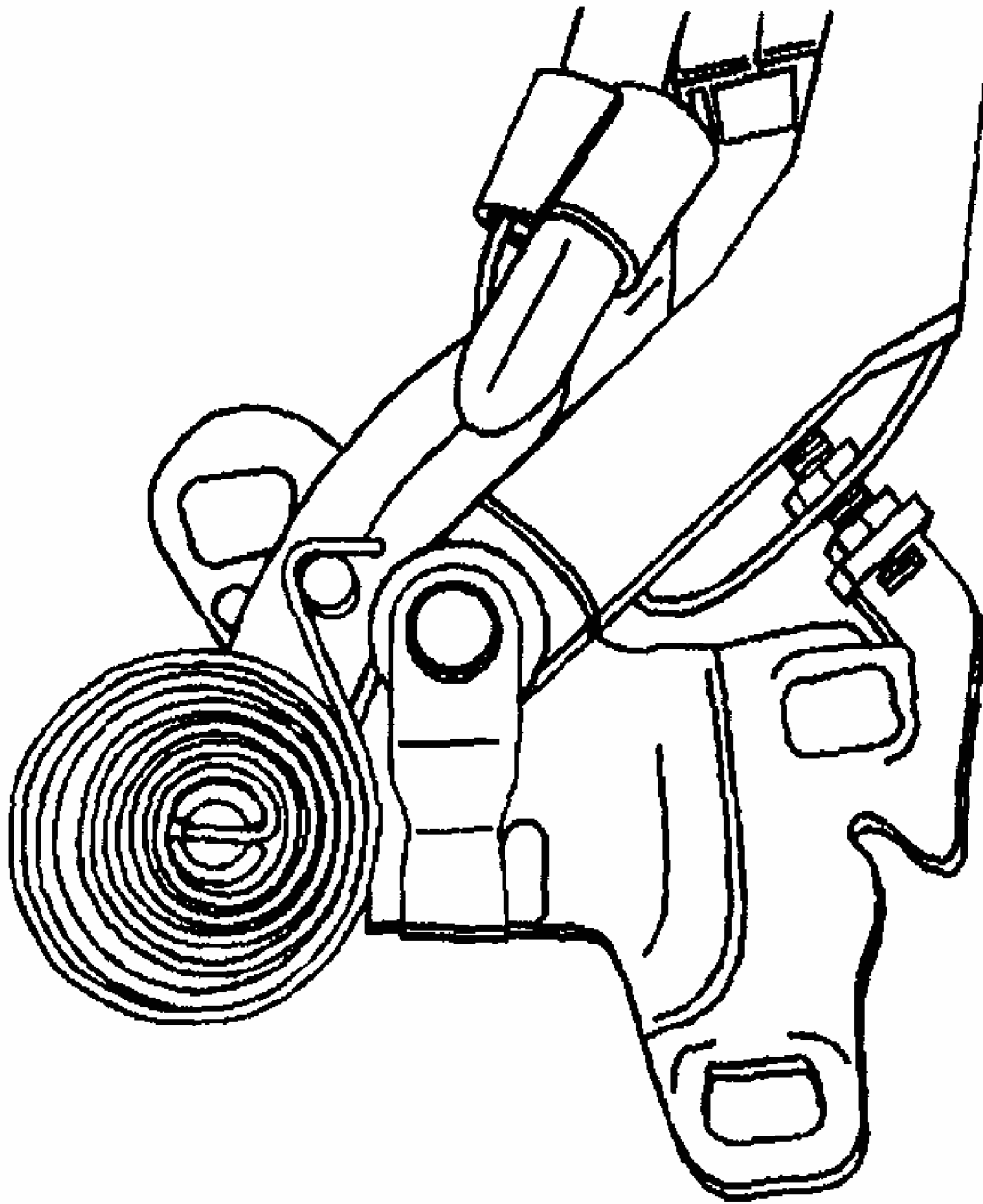
1. Position the top with the #1 bow and the #5 bow up, and open the stowage compartment.



G01451481

Fig. 168: Positioning Folding Top With #1 Bow And #5 Bow Up
Courtesy of GENERAL MOTORS CORP.

2. Grasp the clock spring with vice grips or pliers, and remove the spring end from the roof link pin.
3. Remove the nut.
4. Remove the clock spring and the pin.



G01451482

Fig. 169: Clock Spring & Pin
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Install the flat washer, the bushing, and the gripper washer to the clock spring pin.
2. Install the clock spring with pin to the arm.

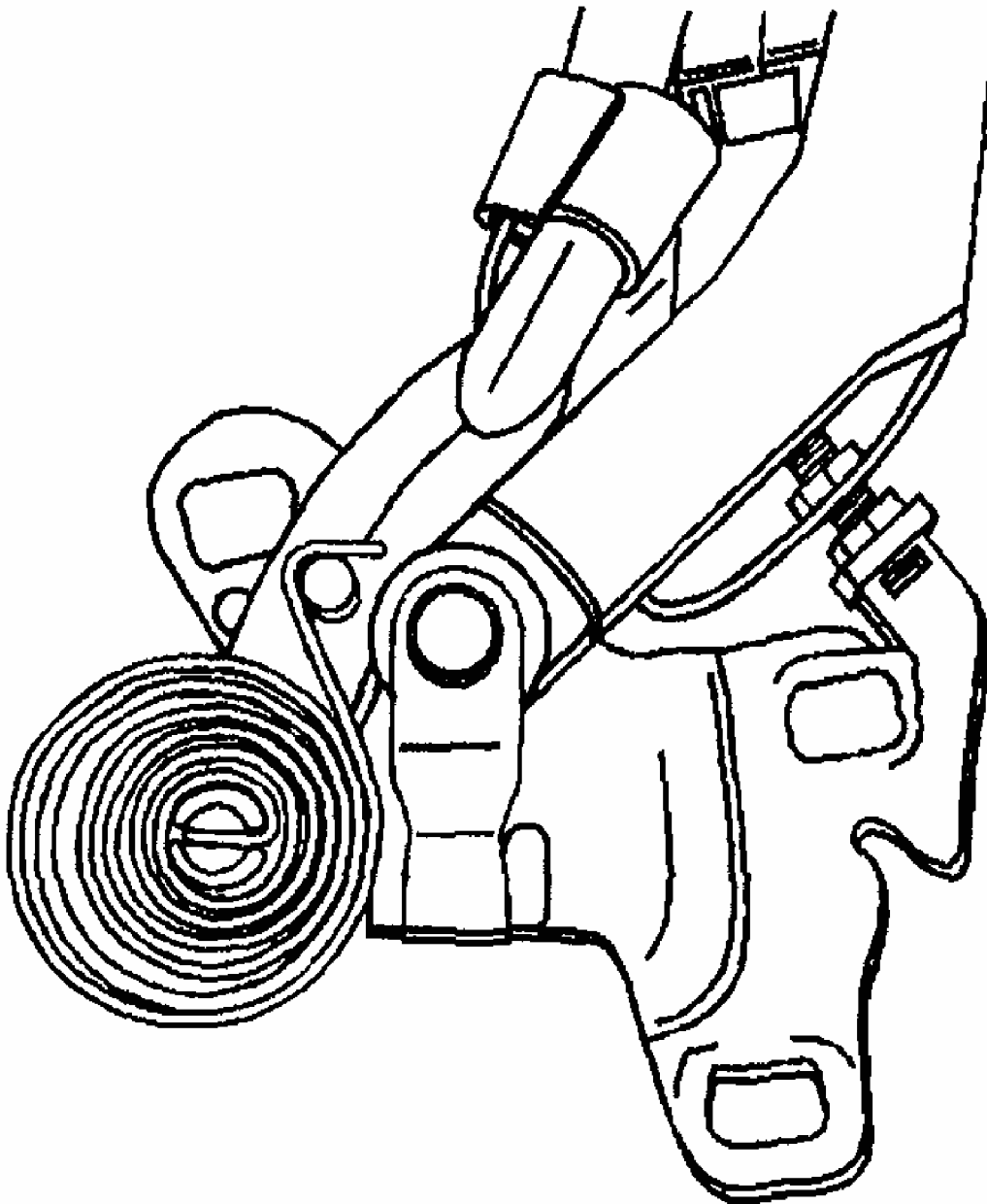
NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices.**

3. Install the clock spring nut.

Tighten

Tighten the nut to 4 N.m (35 lb in).

4. Grasp the end of the clock spring with vice grips or pliers.
5. Wind the clock spring and insert the end of the spring into the roof link pin.
6. Reposition the folding top to the original position.



G01451483

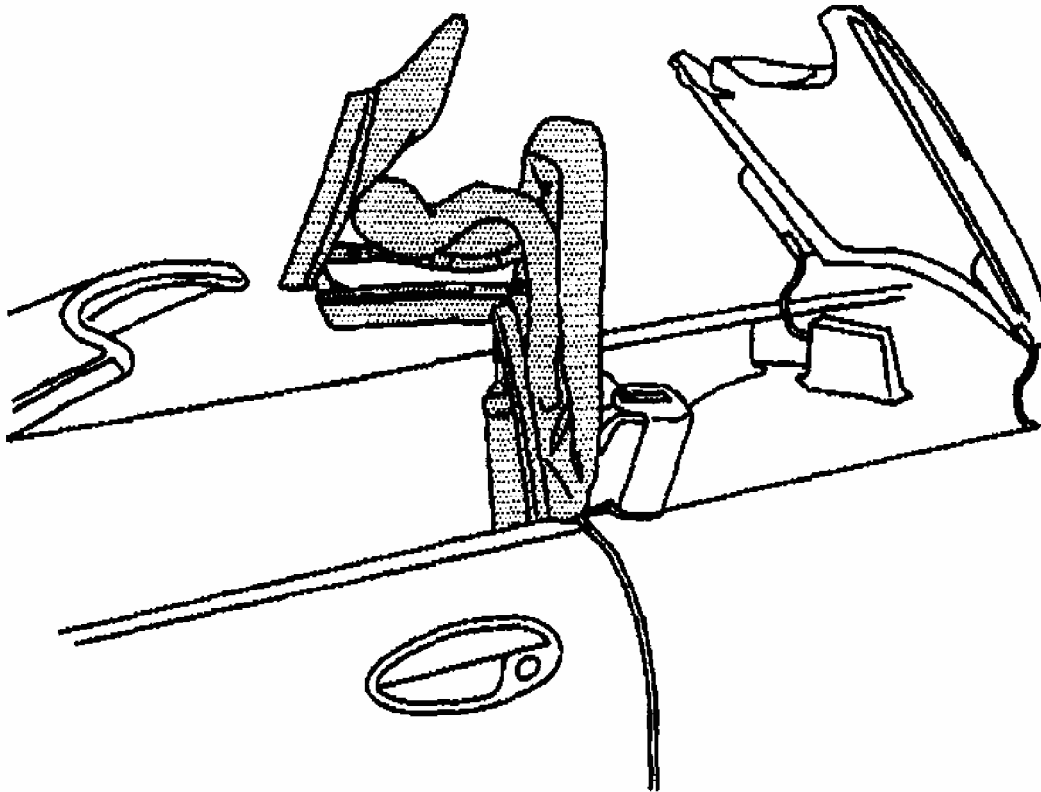
Fig. 170: Clock Spring With Pin To Arm
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP GLARE COVER REPLACEMENT

Removal Procedure

1. Position the folding top with the #1 bow and the #5 bow up, and open the stowage

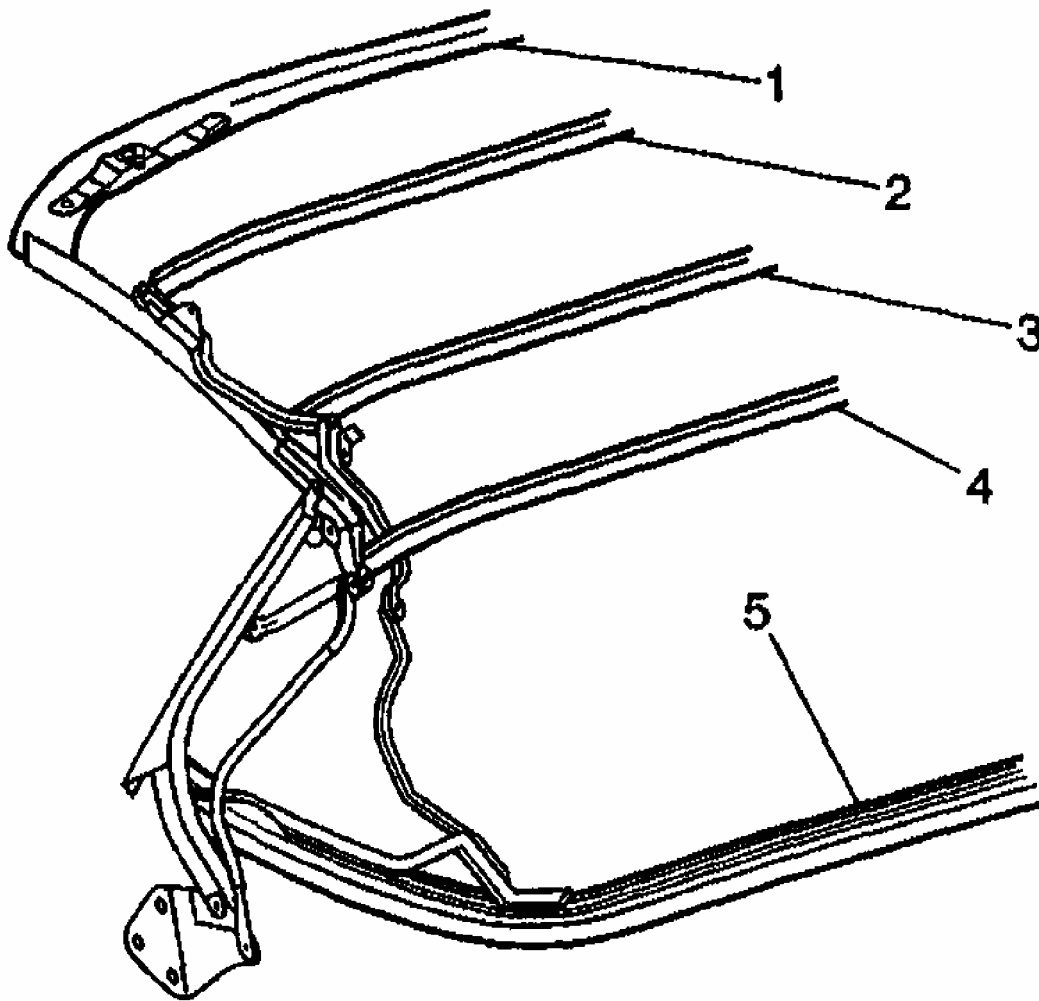
compartment.



G01451484

Fig. 171: Positioning Folding Top With #1 Bow & #5 Bow Up
Courtesy of GENERAL MOTORS CORP.

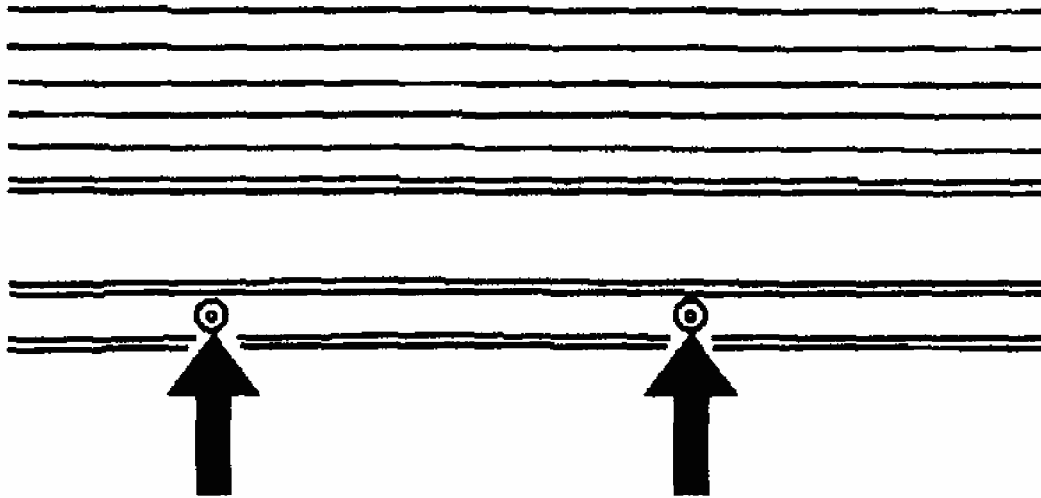
2. Remove the glare cover screws at each end of the #5 bow (5).



G01451485

Fig. 172: Glare Cover Screws At Each End Of #5 Bow
Courtesy of GENERAL MOTORS CORP.

3. Remove the elastic strap screws from the #5 bow.
4. Drill out the glare cover rivets from the #5 bow.



G01451486

Fig. 173: Glare Cover Rivets From #5 Bow
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Rivet the glare cover to the #5 bow.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Install the glare cover screws to the #5 bow.

Tighten

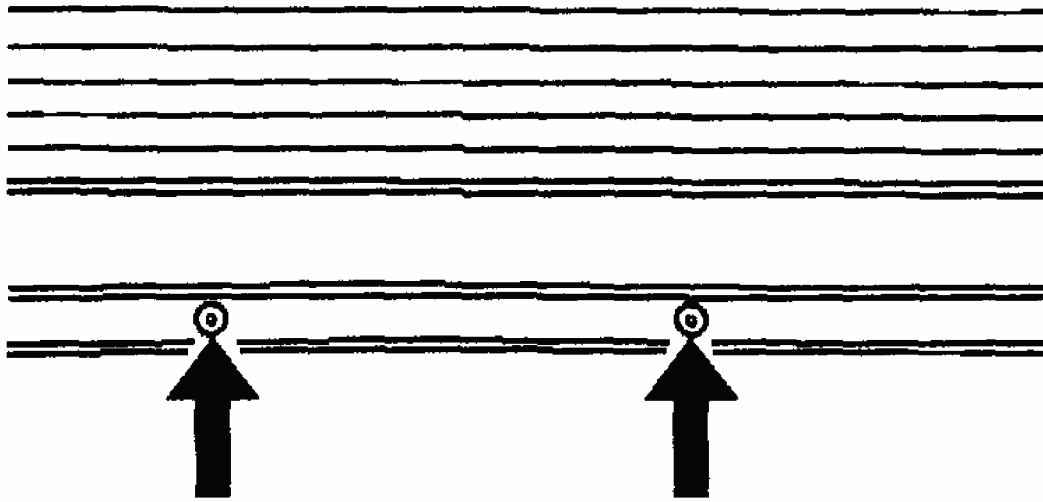
Tighten the screws to 2 N.m (18 lb in).

3. Install the screws attaching the elastic straps to the #5 bow.

Tighten

Tighten the screws to 2 N.m (18 lb in).

4. Close the stowage lid and latch the top.



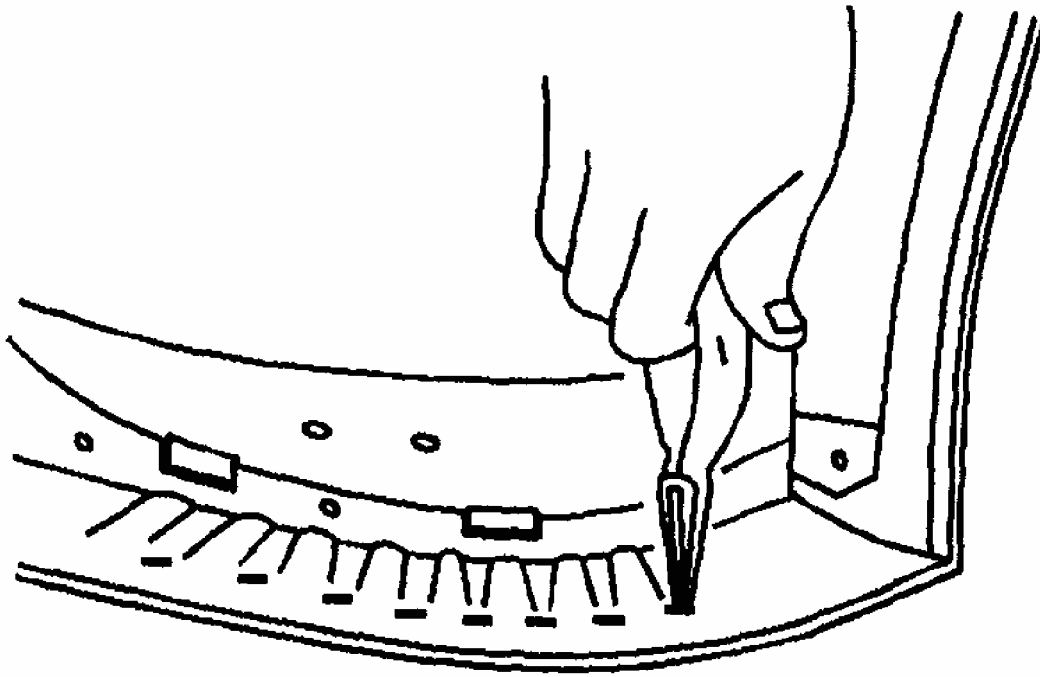
G01451487

Fig. 174: Glare Cover To #5 Bow
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP FRONT AND CENTER RAIL REPLACEMENT

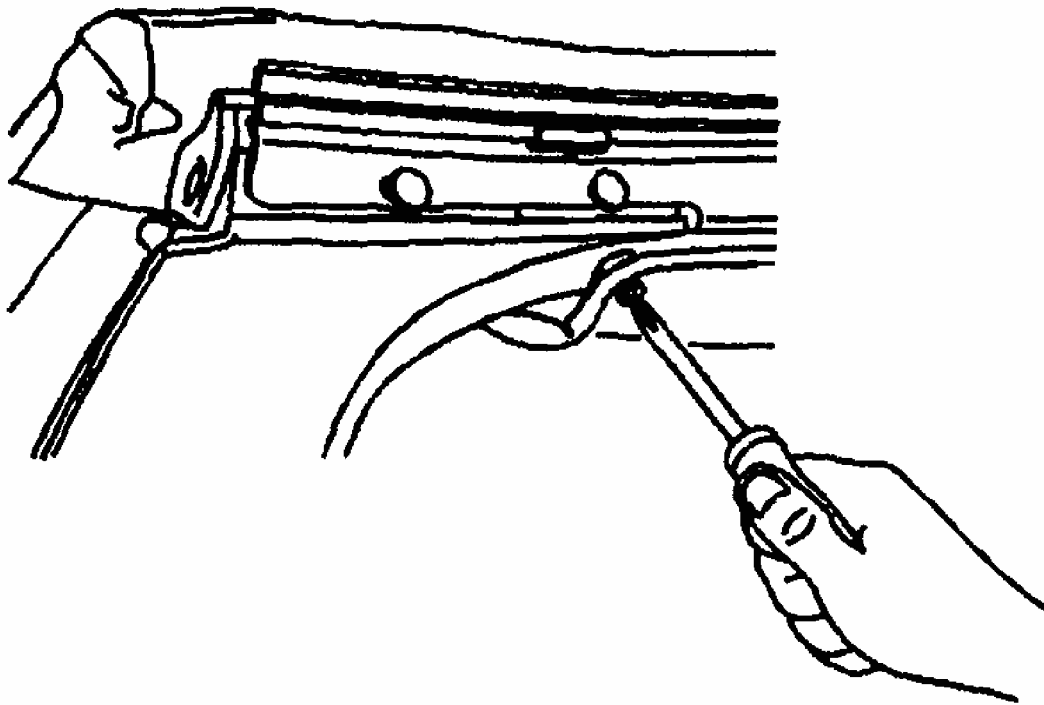
Removal Procedure

1. Remove the folding top and place the top upside down on a clean flat surface. Refer to **FOLDING TOP REPLACEMENT** .
2. Remove the headliner screws from the rear side rail.
3. Remove the folding top front and center side rail retainers. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** .
4. Remove the seal compression panel from the #1 bow. Refer to **FOLDING TOP SEAL COMPRESSION PANEL REPLACEMENT** .
5. Using a pair of needle-nosed pliers, remove the top cover staples from the #1 bow.
6. Peel back the top cover to expose the fabric flap on the tension cable bracket.
7. Remove the headliner screws from the #1 bow.



G01451488

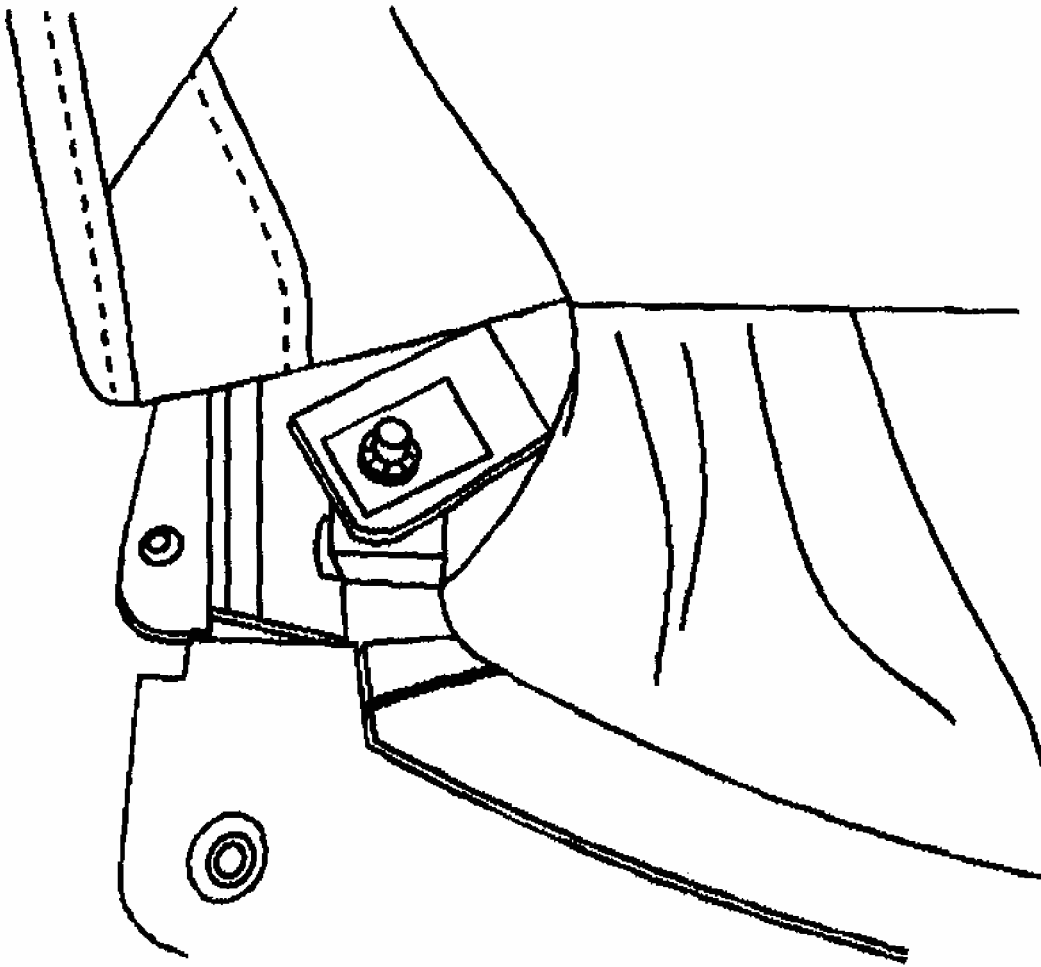
Fig. 175: Top Cover Staples From #1 Bow
Courtesy of GENERAL MOTORS CORP.



G01451489

Fig. 176: Headliner Screws From #1 Bow
Courtesy of GENERAL MOTORS CORP.

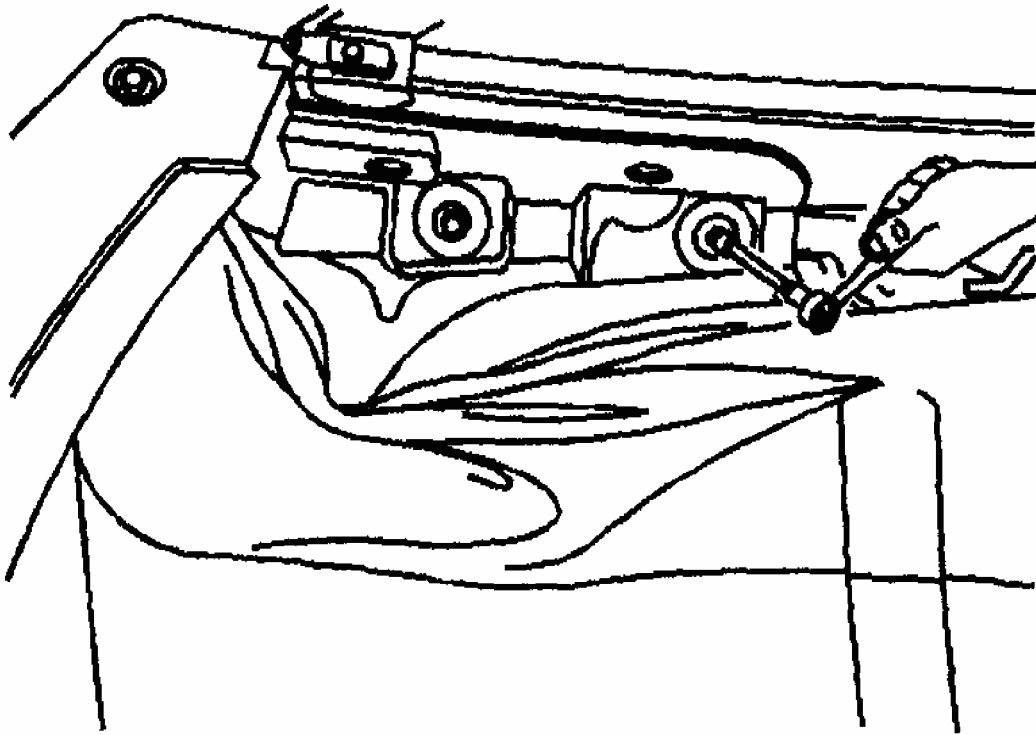
8. Remove the headliner push-on retainer from the #1 bow.



G01451490

Fig. 177: Headliner Push-On Retainer From #1 Bow
Courtesy of GENERAL MOTORS CORP.

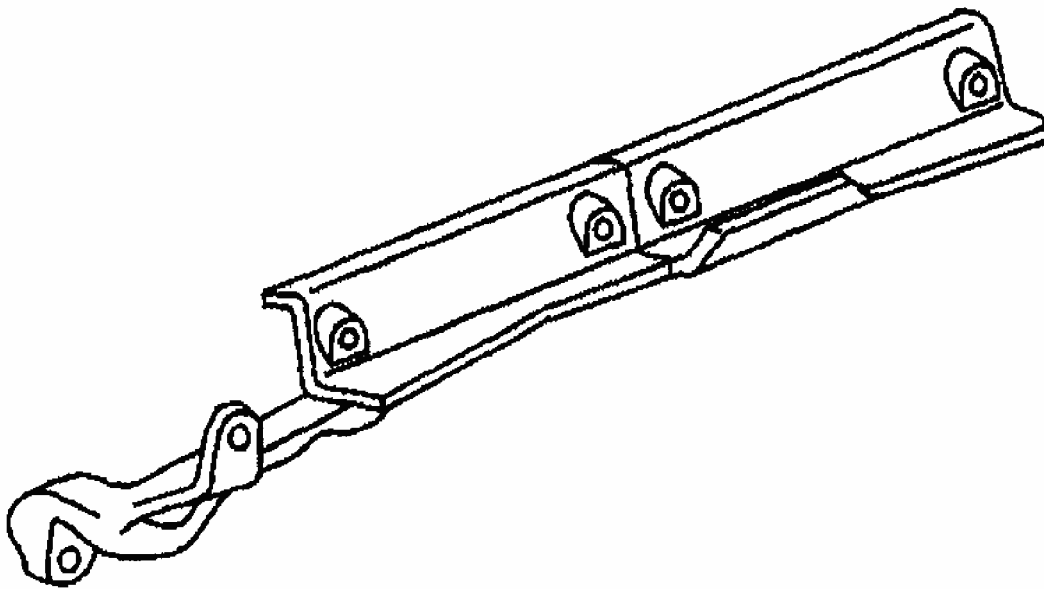
9. Remove the nuts attaching the #1 bow to the front side rail.



G01451491

Fig. 178: Nuts Attaching #1 Bow To Front Side Rail
Courtesy of GENERAL MOTORS CORP.

10. Remove the main control link screw from the front side rail.
11. Remove the main control link screw from the center side rail.
12. Remove the center rail screw from the rear side rail.
13. Remove the center rail screw from the balance link.
14. Remove the front and center rail assembly.



G01451492

Fig. 179: Main Control Link Screw From Center Side Rail
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Install the front and center rail assembly.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Install the spacers and the screw attaching the center rail (9) to the rear side rail (8).

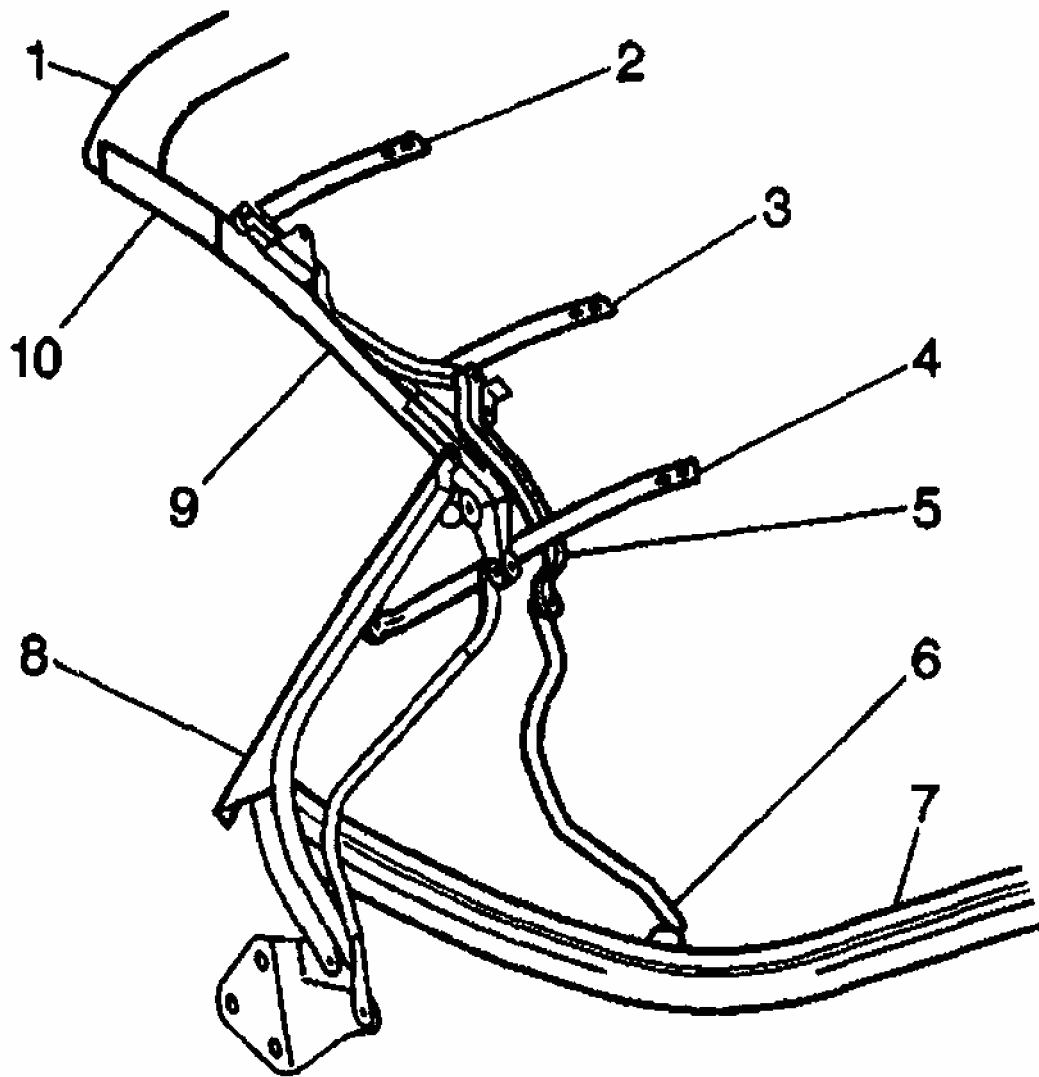
Tighten

Tighten the screw to 19 N.m (14 lb ft).

3. Install the spacers and the screw attaching the center rail (9) to the balance link.

Tighten

Tighten the screw to 23 N.m (17 lb ft).



G01451493

Fig. 180: Front & Center Rail Assembly
Courtesy of GENERAL MOTORS CORP.

4. Install the spacers and the screw attaching the main control link to the front side rail.

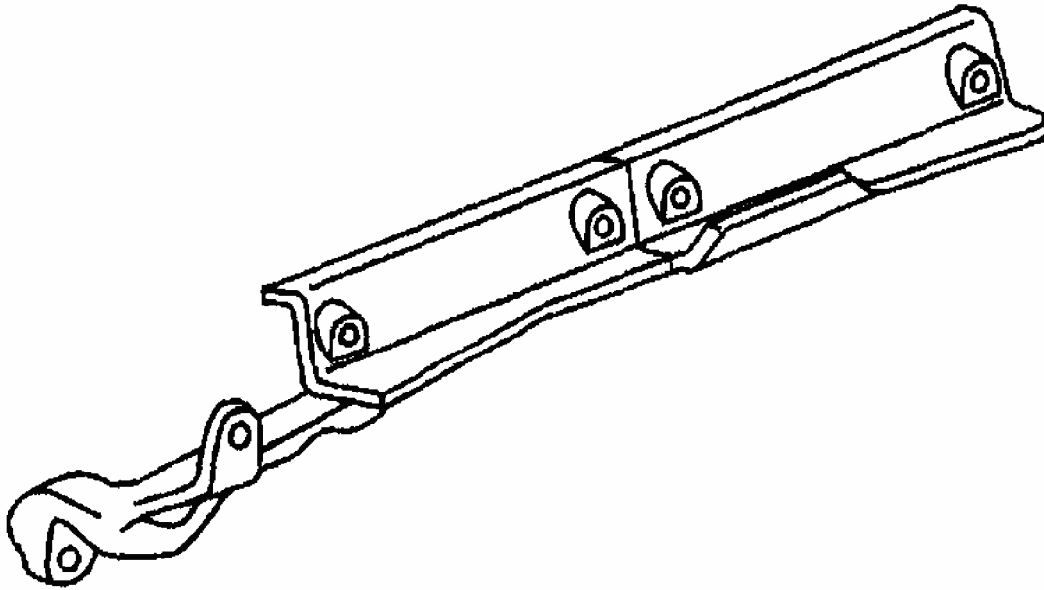
Tighten

Tighten the screw to 20 N.m (15 lb ft).

5. Install the spacers and the screw attaching the main control link to the center side rail.

Tighten

Tighten the screw to 20 N.m (15 lb ft).



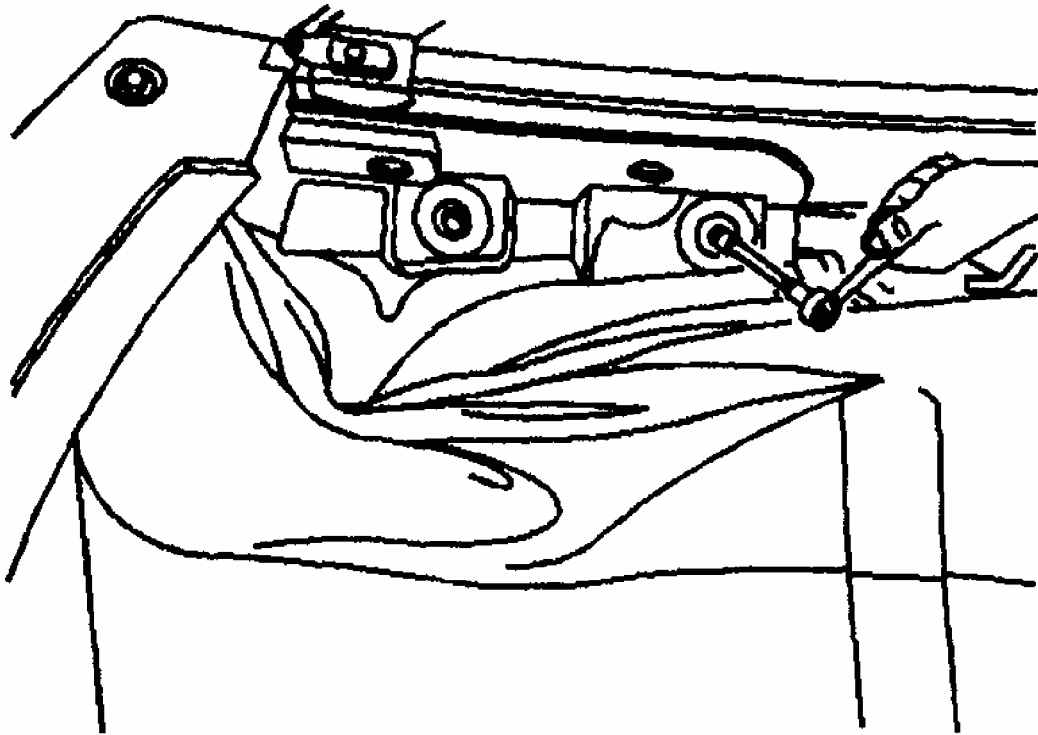
G01451494

Fig. 181: Spacers & Screw Attaching Main Control Link To Center Side Rail
Courtesy of GENERAL MOTORS CORP.

6. Install the nuts attaching the #1 bow (1) to the front side rail.

Tighten

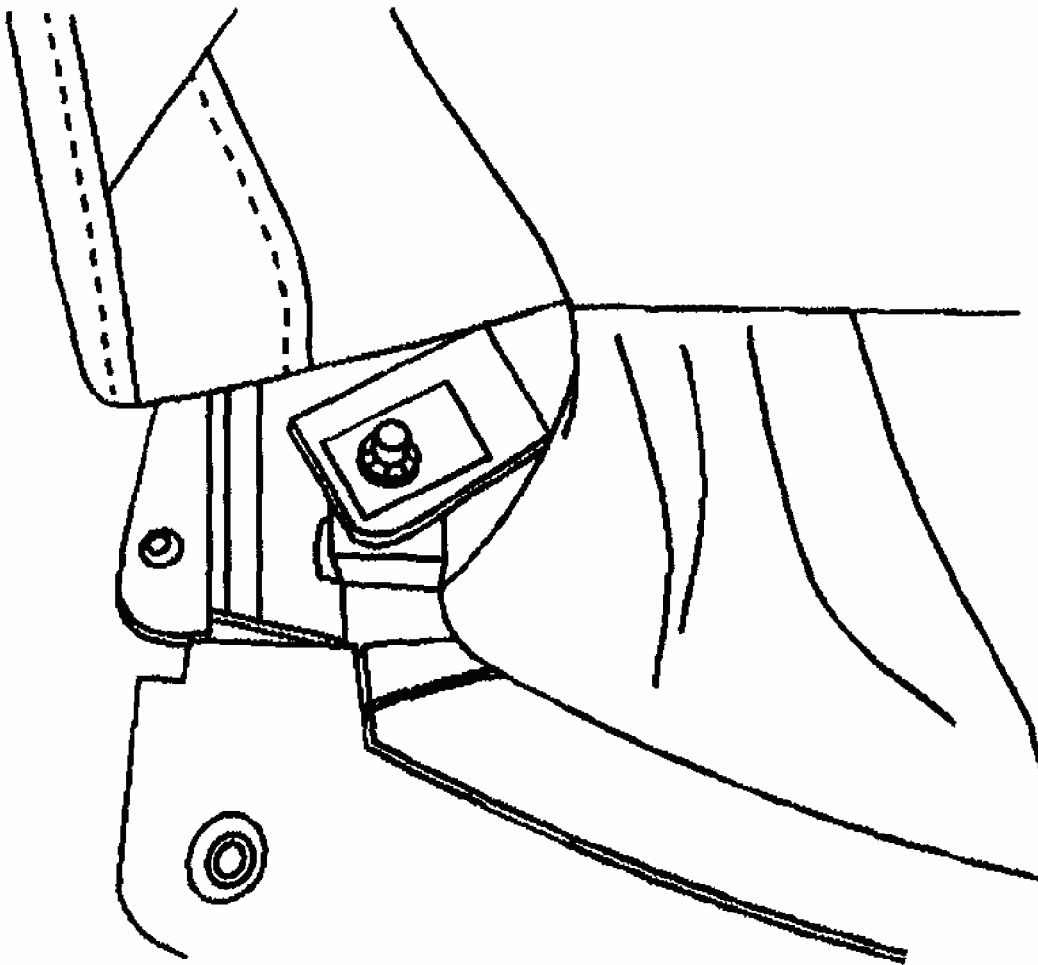
Tighten the nuts to 14 N.m (10 lb ft).



G01451495

Fig. 182: Nuts Attaching #1 Bow To Front Side Rail
Courtesy of GENERAL MOTORS CORP.

7. Install the headliner push-on retainers to the #1 bow.



G01451496

Fig. 183: Headliner Push-On Retainers To #1 Bow
Courtesy of GENERAL MOTORS CORP.

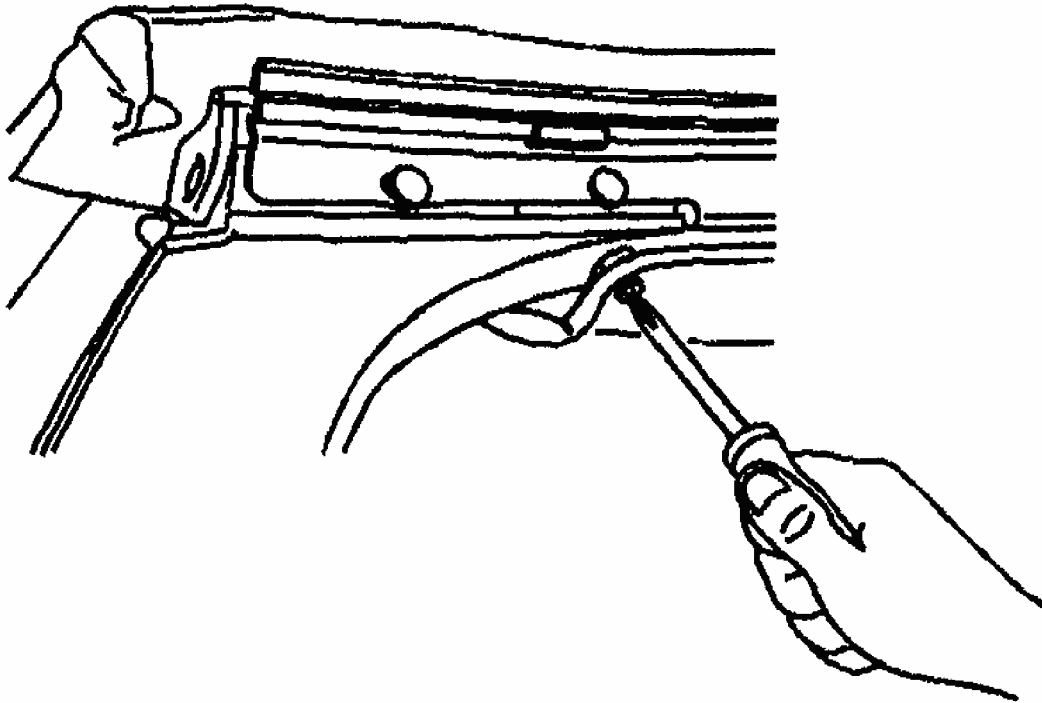
8. Install the headliner screw to the #1 bow.

Tighten

Tighten the headliner screw to 2 N.m (18 lb in).

9. With an assistant install the folding top to the vehicle. Refer to **FOLDING TOP REPLACEMENT** .
10. Install the front and center side rail weatherstrip retainers. Refer to **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (FRONT AND CENTER SIDE RAIL)** or **WEATHERSTRIP RETAINER REPLACEMENT - FOLDING TOP (REAR SIDE RAIL)** . Front and center side rail.

11. Before stapling the top cover to the #1 bow, refer to **FOLDING TOP COVER TENSION ADJUSTMENT - FRONT**.
12. Reposition the folding top to the original position.



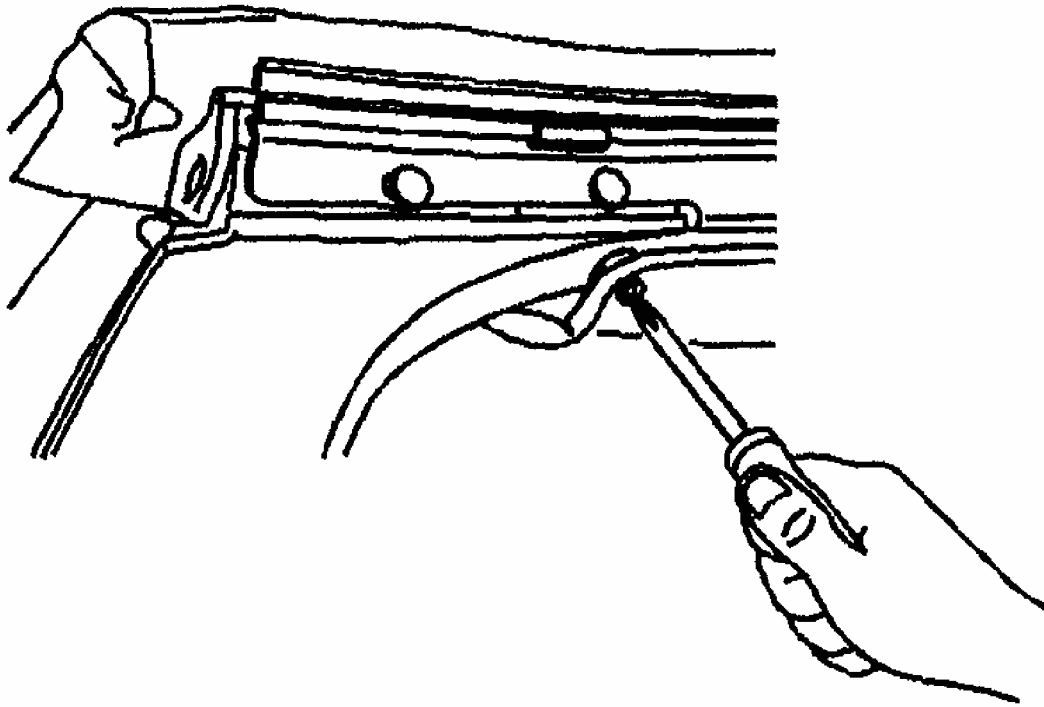
G01451497

Fig. 184: Headliner Screw To #1 Bow
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP MAIN CONTROL LINK REPLACEMENT

Removal Procedure

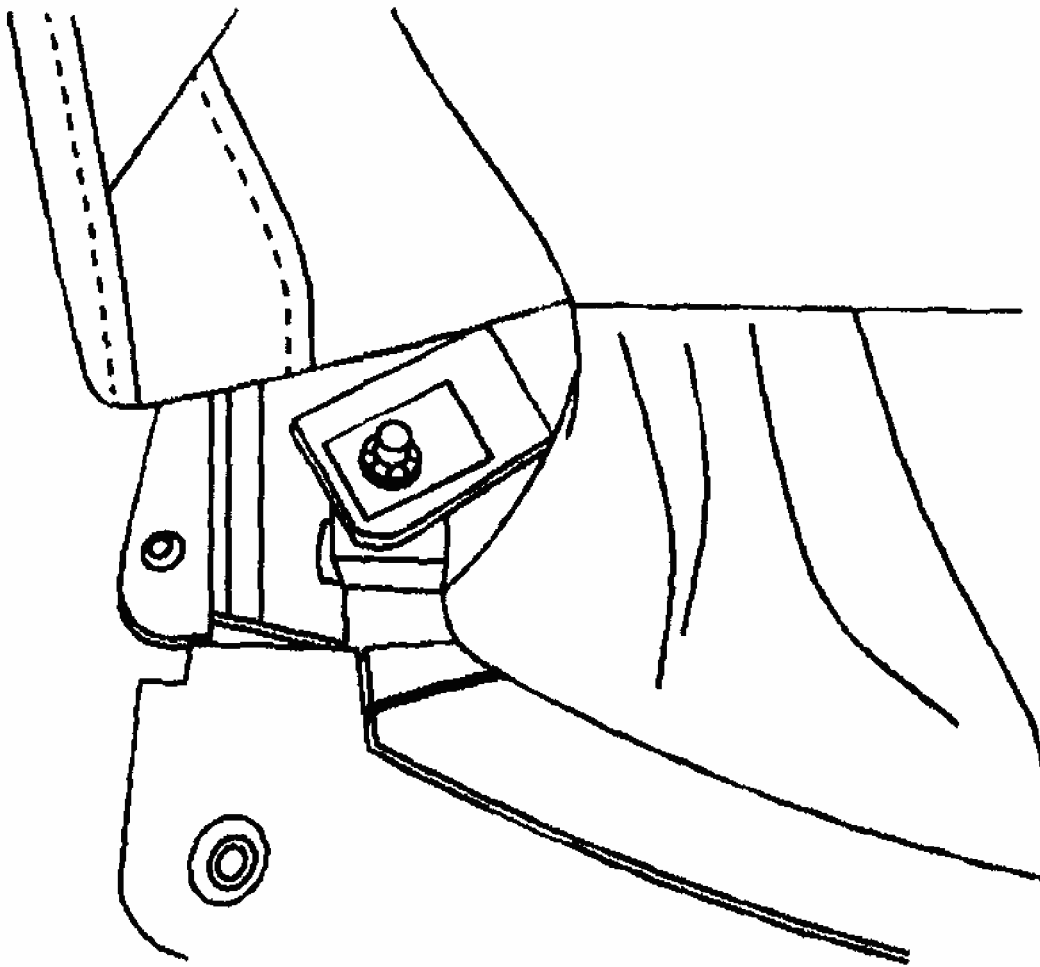
1. Remove the folding top and place the top upside down on a clean flat surface. Refer to **FOLDING TOP REPLACEMENT**.
2. Remove the following components from the rear side rail.
 1. The headliner screws
 2. The glare cover elastic strap screws
 3. The headliner elastic strap screws
3. Remove the headliner screw from the #1 bow.



G01451498

Fig. 185: Headliner Screw From #1 Bow
Courtesy of GENERAL MOTORS CORP.

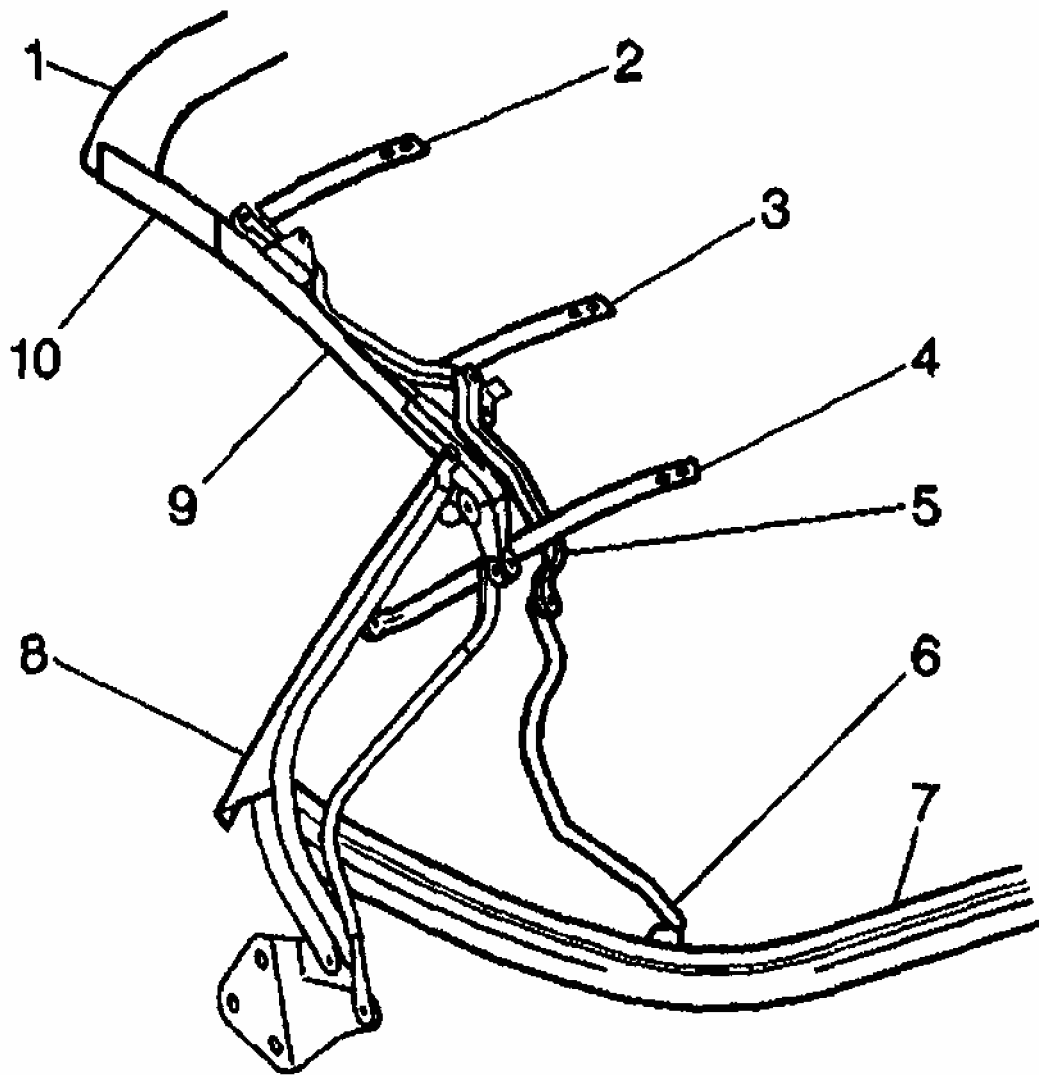
4. Remove the headlining push-on retainers from the #1 bow.



G01451499

Fig. 186: Headlining Push-On Retainers From #1 Bow
Courtesy of GENERAL MOTORS CORP.

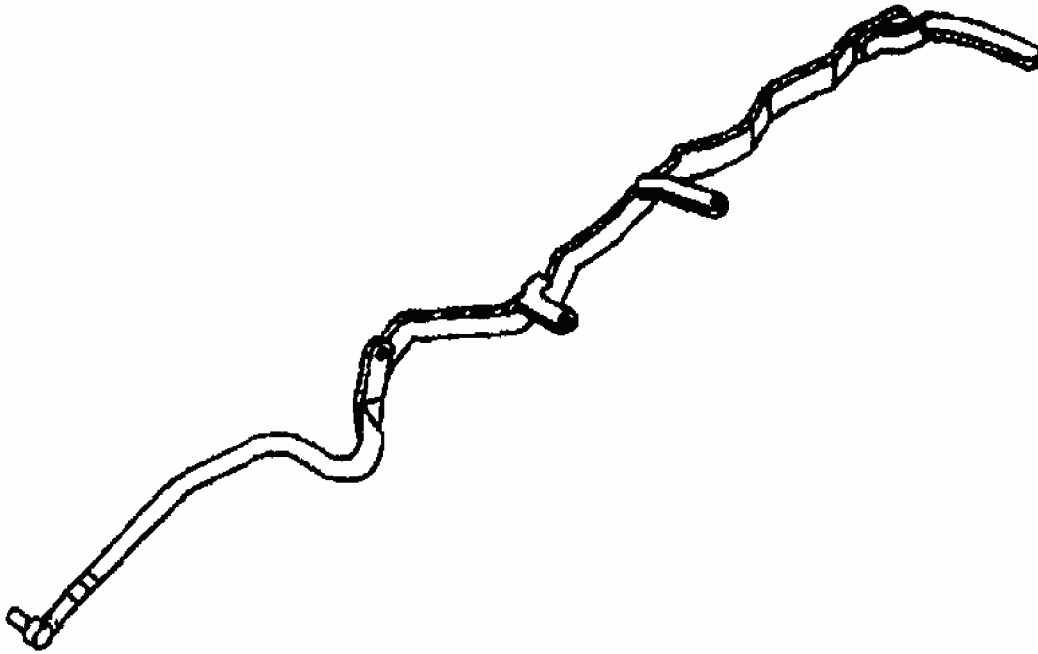
5. Remove the main control link bracket screws from the #2 bow (2).
6. Remove the main control link bracket screws from the #3 bow (3).
7. Remove the main control link bracket screws from the #4 bow (4).
8. Using a grease pencil mark the end position of the adjustable link rod as an aid in assembling a new part.
9. Remove the screw (6) from the end of the main control link rod on the #5 bow (7).
10. Remove the screw from the main control link on the center side rail.
11. Remove the screw from the main control link on the front side rail.



G01451500

**Fig. 187: Screw From Main Control Link On Front & Center Side Rail
Courtesy of GENERAL MOTORS CORP.**

12. Remove the main control link.



G01451501

Fig. 188: Main Control Link
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Position the main control link to the top.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

2. Install the spacers and the screw attaching the main control link to the front side rail.

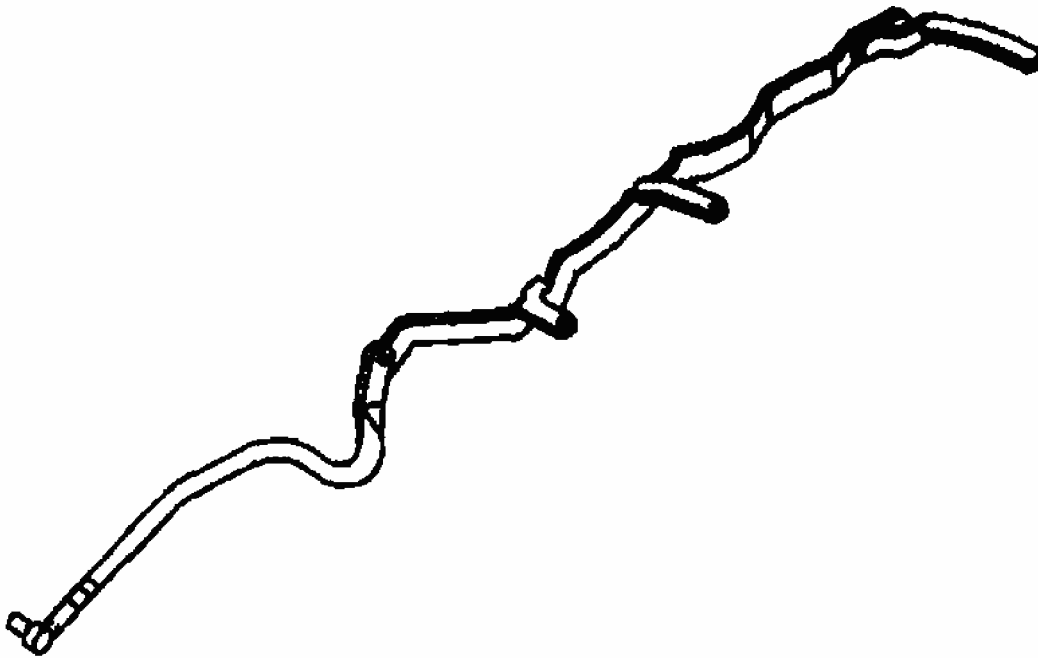
Tighten

Tighten the screw to 20 N.m (15 lb ft).

3. Install the spacers and the screw attaching the main control link to the center side rail.

Tighten

Tighten the screw to 20 N.m (15 lb ft).



G01451502

Fig. 189: Main Control Link To Top
Courtesy of GENERAL MOTORS CORP.

4. Adjust the end of the link adjuster (6) rod to match the marked position.
5. Install the end screw to the main control link rod on the #5 bow (7).

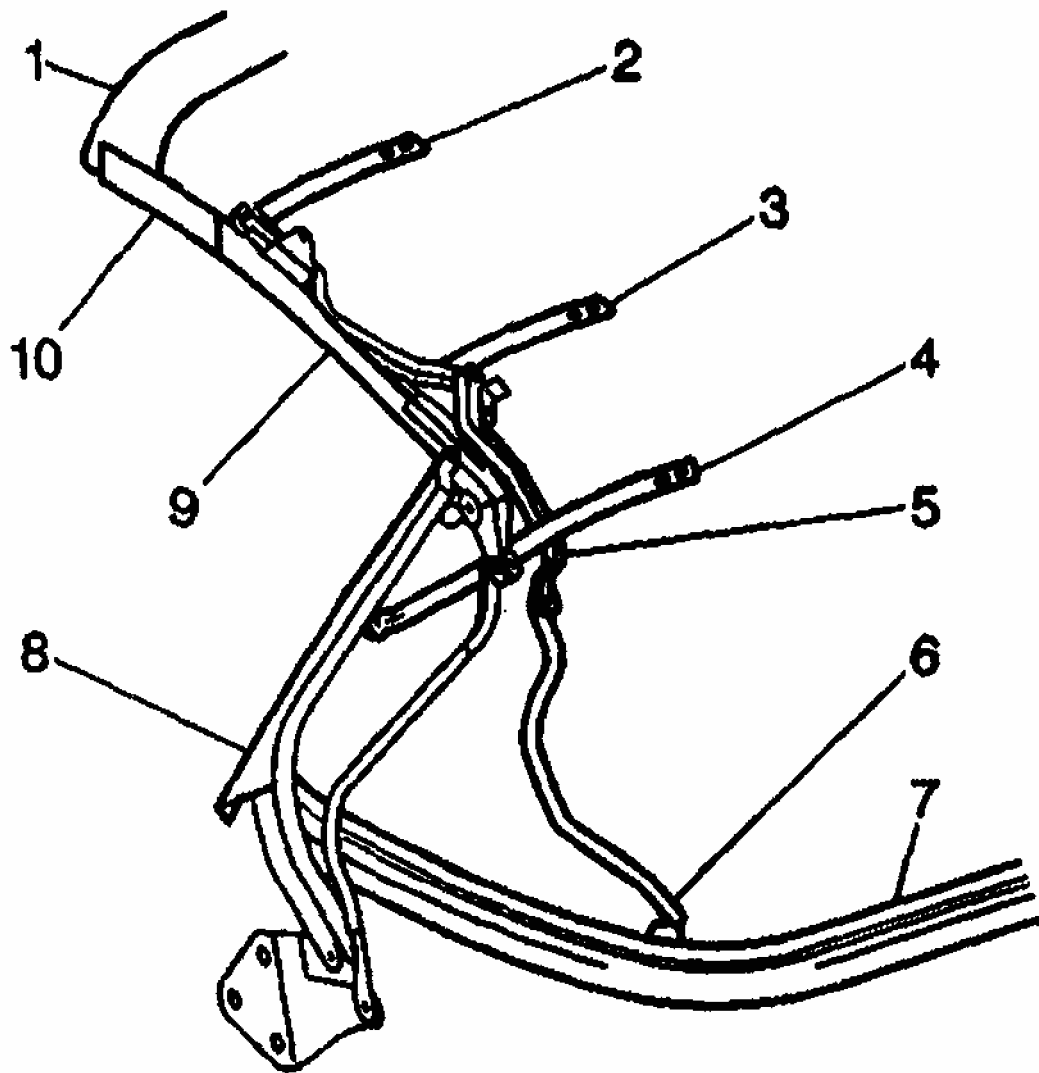
Tighten

Tighten the screw to 15 N.m (11 lb ft).

6. Install the screws to the control link brackets on the #2, 3, and 4 roof bows.

Tighten

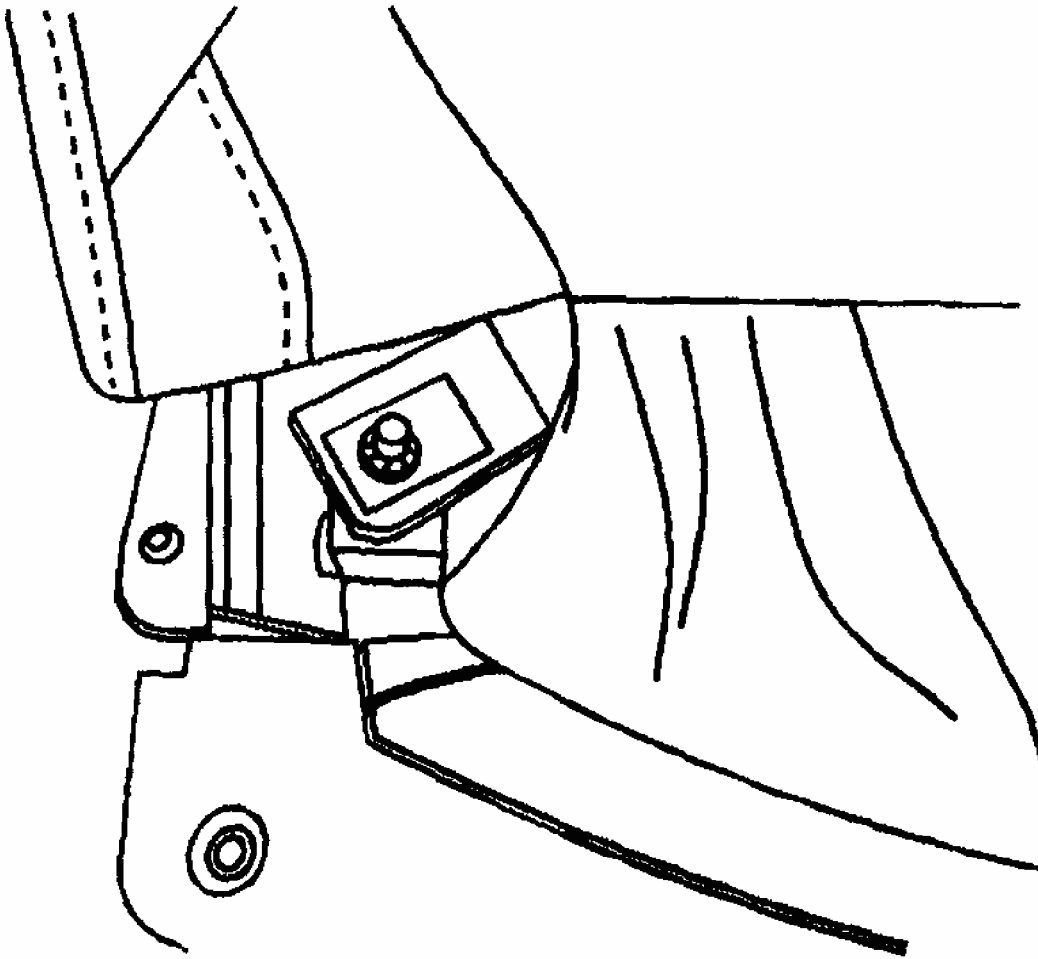
Tighten the screws to 13 N.m (9 lb ft).



G01451503

Fig. 190: End Screw To Main Control Link Rod On #5 Bow
Courtesy of GENERAL MOTORS CORP.

7. Install the headliner push-on retainers to the #1 bow.



G01451504

Fig. 191: Headliner Push-On Retainers To #1 Bow
Courtesy of GENERAL MOTORS CORP.

8. Install the attaching the headliner screws to the #1 bow.

Tighten

Tighten the screws to 2 N.m (18 lb in).

9. Install the glare cover to the #5 bow.

Tighten

Tighten the screw to 2 N.m (18 lb in).

10. Install the headliner screw to the rear side rail.

Tighten

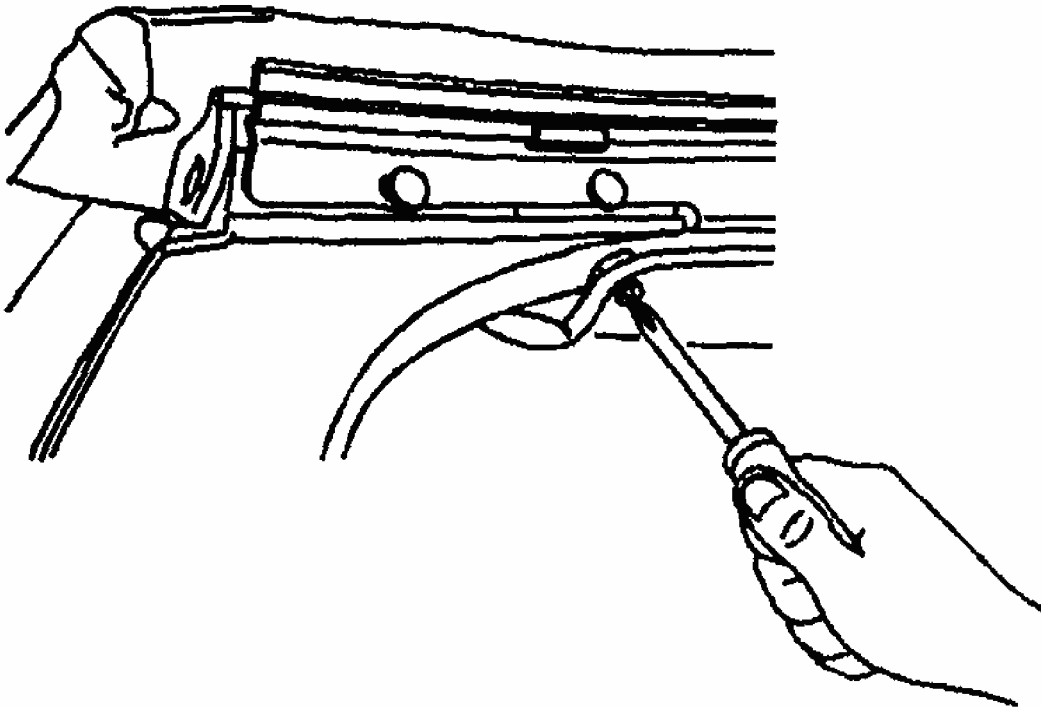
Tighten the screw to 2 N.m (18 lb in).

11. Install the headliner elastic strap screw to the rear side rail.

Tighten

Tighten the screw to 2 N.m (18 lb in).

12. Install the folding top. Refer to **FOLDING TOP REPLACEMENT**.
13. Reposition the folding top to the original position.



G01451505

Fig. 192: Attaching Headliner Screws To #1 Bow
Courtesy of GENERAL MOTORS CORP.

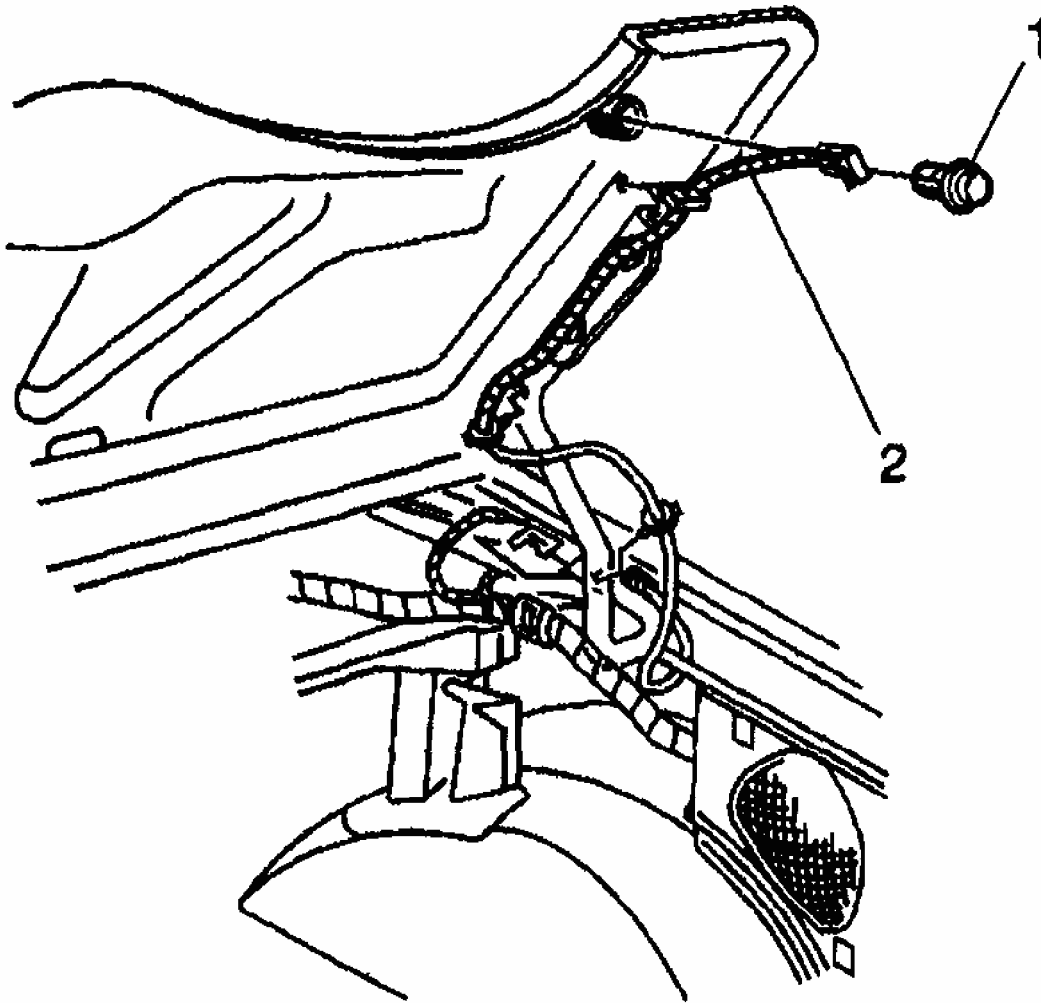
FOLDING TOP STOWAGE COMPARTMENT LID REPLACEMENT

Removal Procedure

1. Open and support the folding top stowage lid.
2. Remove the lid release switch (1) from the lid. Pry the switch loose with a flat bladed

screwdriver.

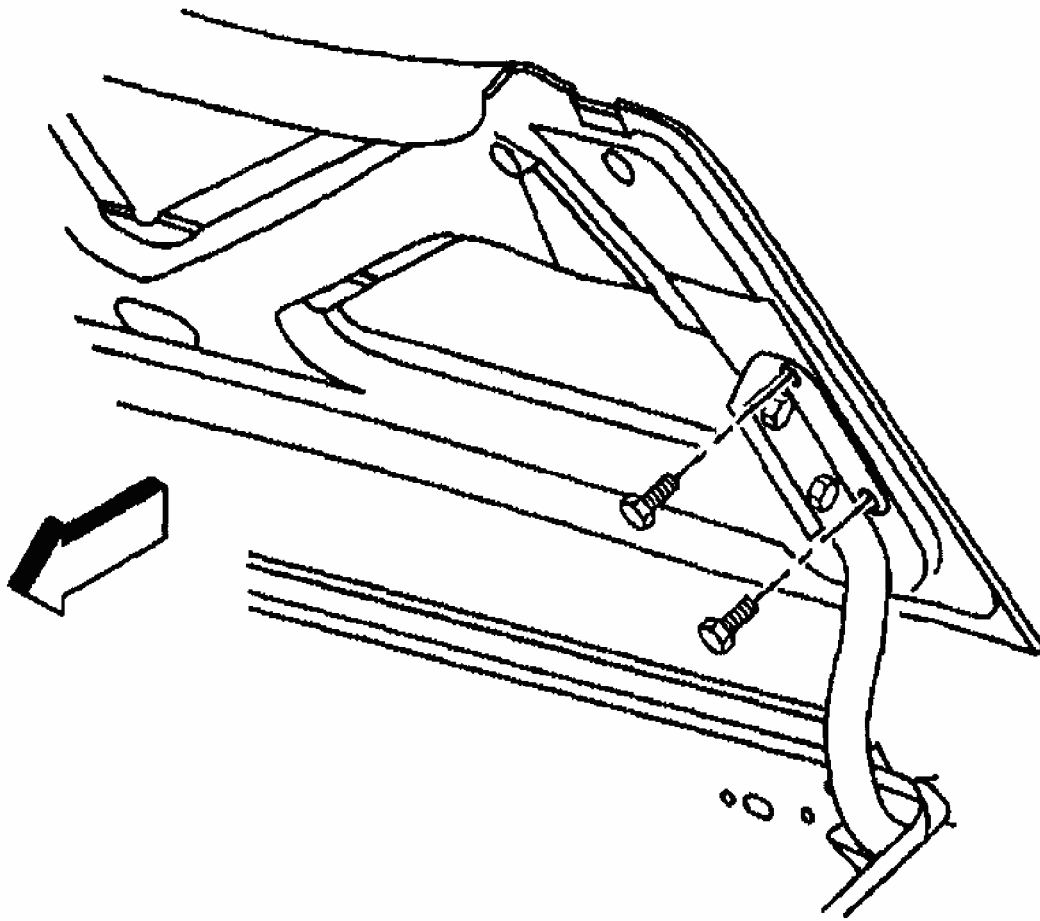
3. Disconnect the harness (2) from the switch.
4. Remove the harness from the lid.



G01451506

Fig. 193: Lid Release Switch From Lid
Courtesy of GENERAL MOTORS CORP.

5. Using a grease pencil mark the location of the hinges on the lid to aid in installation.
6. Place a protective cover between the stowage lid and the rear compartment lid, and over the top of the quarter panels.
7. With the aid of an assistant remove the hinge bolts from the stowage compartment lid.
8. With the aid of an assistant remove the stowage compartment lid.

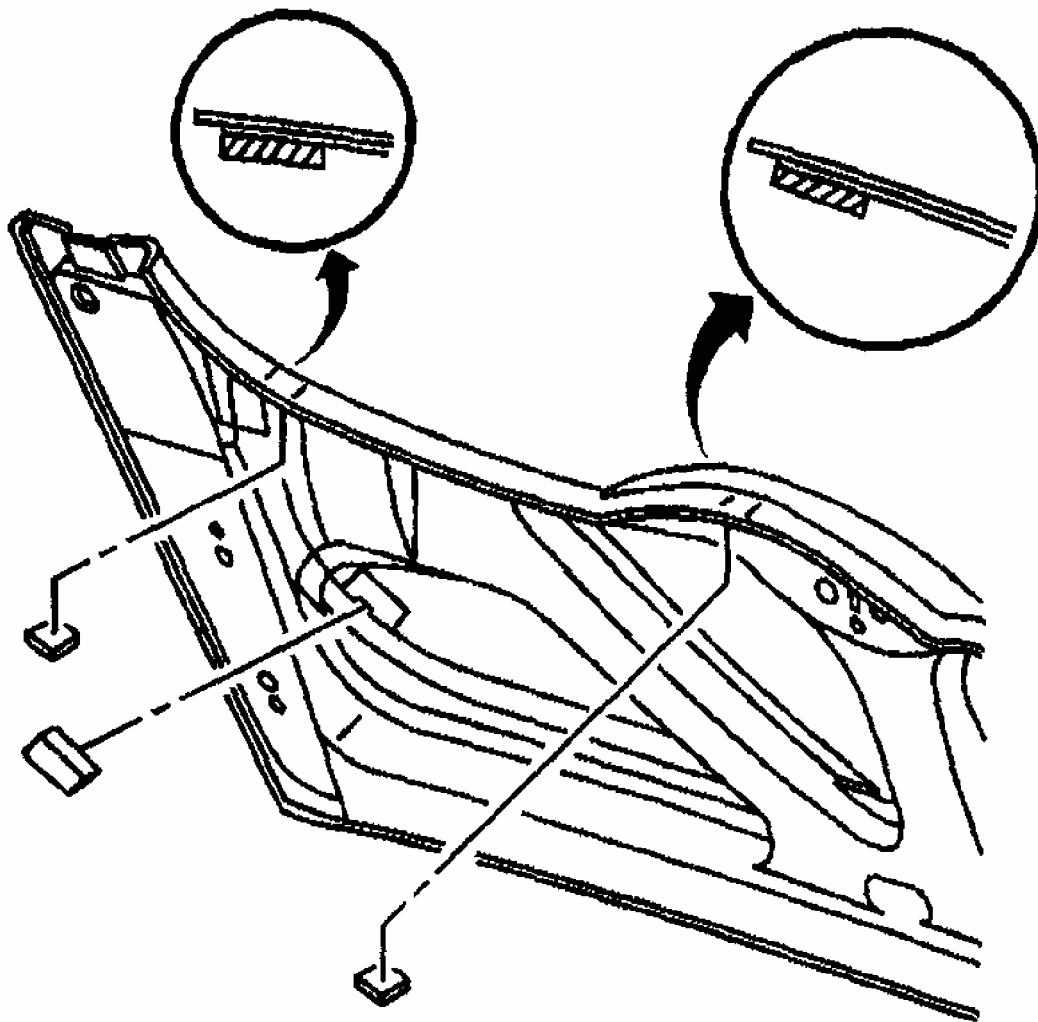


G01451507

Fig. 194: Hinge Bolts From Stowage Compartment Lid
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. If required install the anti rattle insulators to a new lid as shown.
 - Install a 6 mm thick X 31 mm square (0.25 inch thick X 1.25 square) insulator to the inside of the flange at the center line of the lid to prevent the closed lid from contacting the extension panel.
 - Install a 12 mm thick X 44 mm square (0.5 inch thick X 1.75 square) insulator to the right and left underside of the lid 38 mm (1.5 inches) in from the raised area of the lid to prevent the closed lid from contacting the roof rail.
 - Install a 12 mm thick X 31 mm square (0.5 inch thick) X (1.25 square) insulator to the right and left undersides of the flange 127 mm (5 inches) in from the edge of the lid to prevent the closed lid from contacting the roof rail.



G01451508

Fig. 195: Anti Rattle Insulators To A New Lid
Courtesy of GENERAL MOTORS CORP.

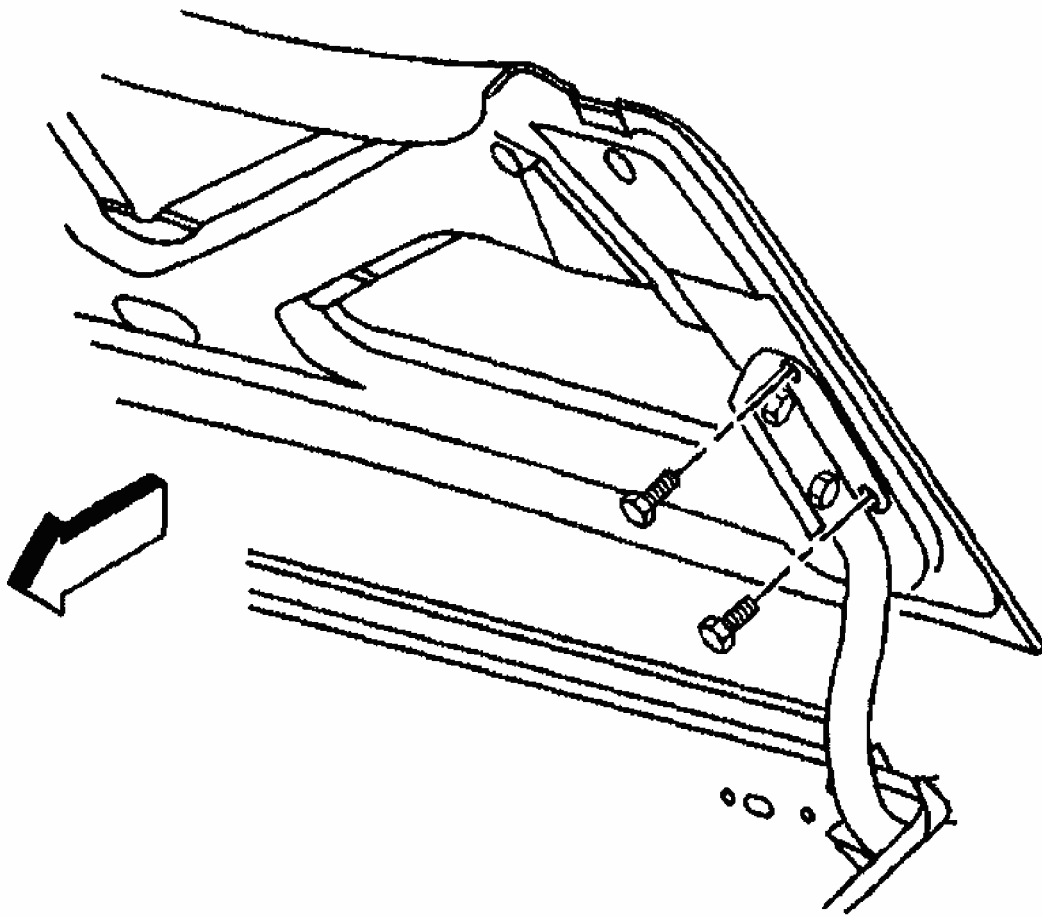
2. With an assistant position the lid to the hinges, using the grease pencil marks as a reference.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

3. With an assistant install the bolts attaching the hinges to the stowage lid.

Tighten

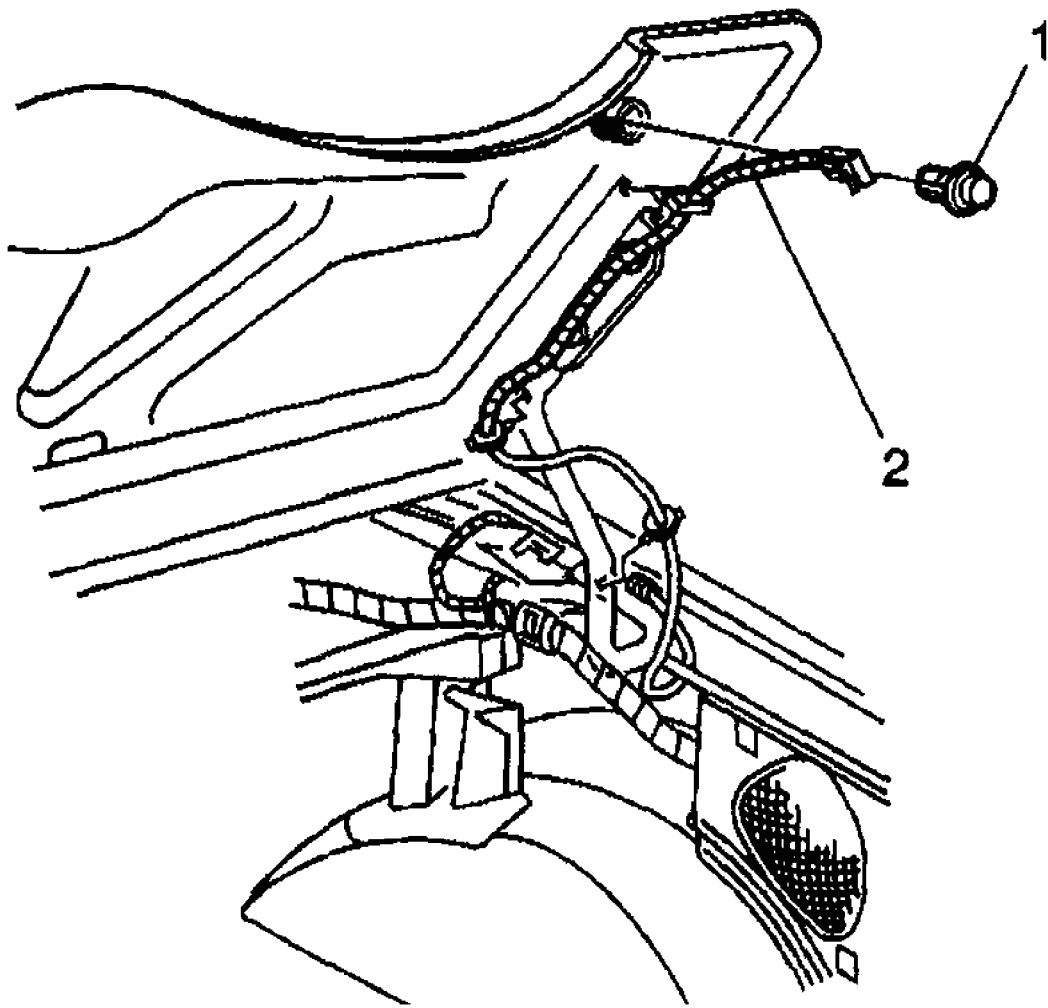
Tighten the bolts to 25 N.m (18 lb ft).



G01451509

Fig. 196: Bolts Attaching Hinges To Stowage Lid
Courtesy of GENERAL MOTORS CORP.

4. Route the switch release harness through the lid and out through the switch opening boss, (left side).
5. Connect the harness (2) to the lid release switch (1).
6. Install the switch to the lid.
7. Align the harness to the slot in the lid boss and push in firmly on the switch until fully seated.
8. Install the wiring harness to the lid.
9. Remove the support and the protective cover.
10. Inspect the operation of the lid and adjust the rear center bumper to flush the stowage lid to the rear compartment lid.



G01451510

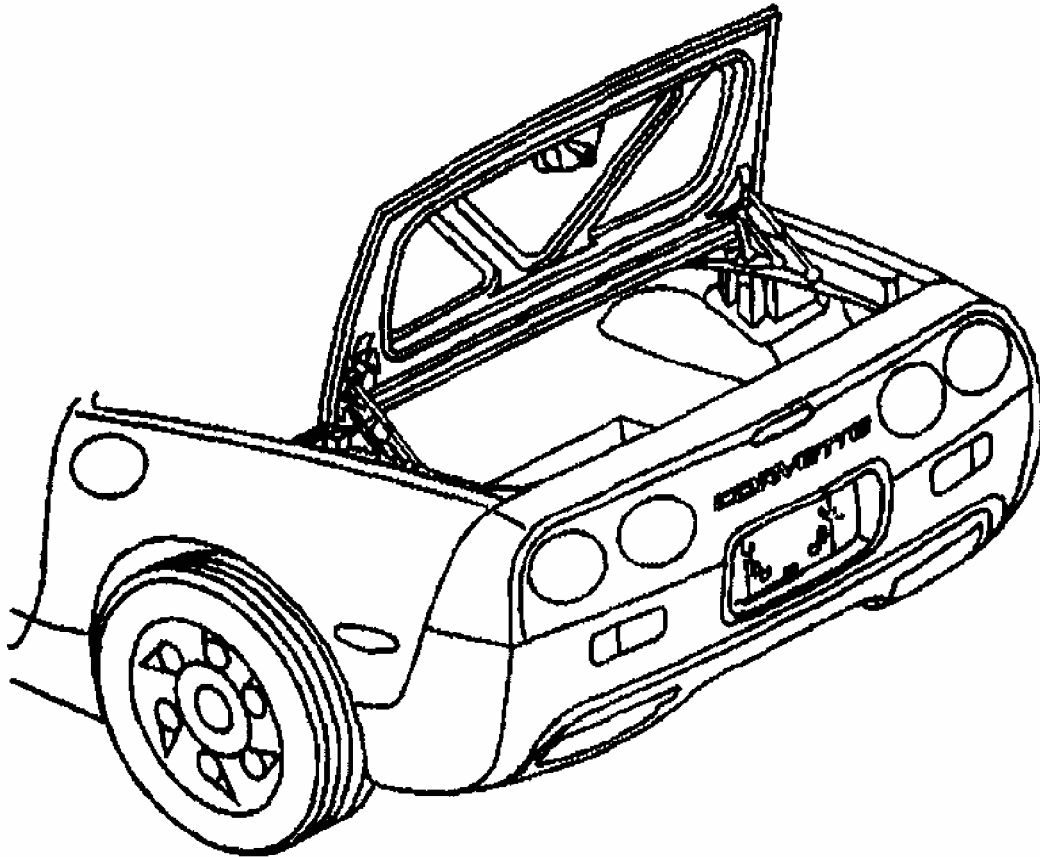
Fig. 197: Connecting Harness To Lid Release Switch
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP STOWAGE COMPARTMENT LID HINGE REPLACE

Removal Procedure

Important: The stowage lid and the rear compartment lid will contact if they are opened at the same time. Be sure that one lid is latched at all times.

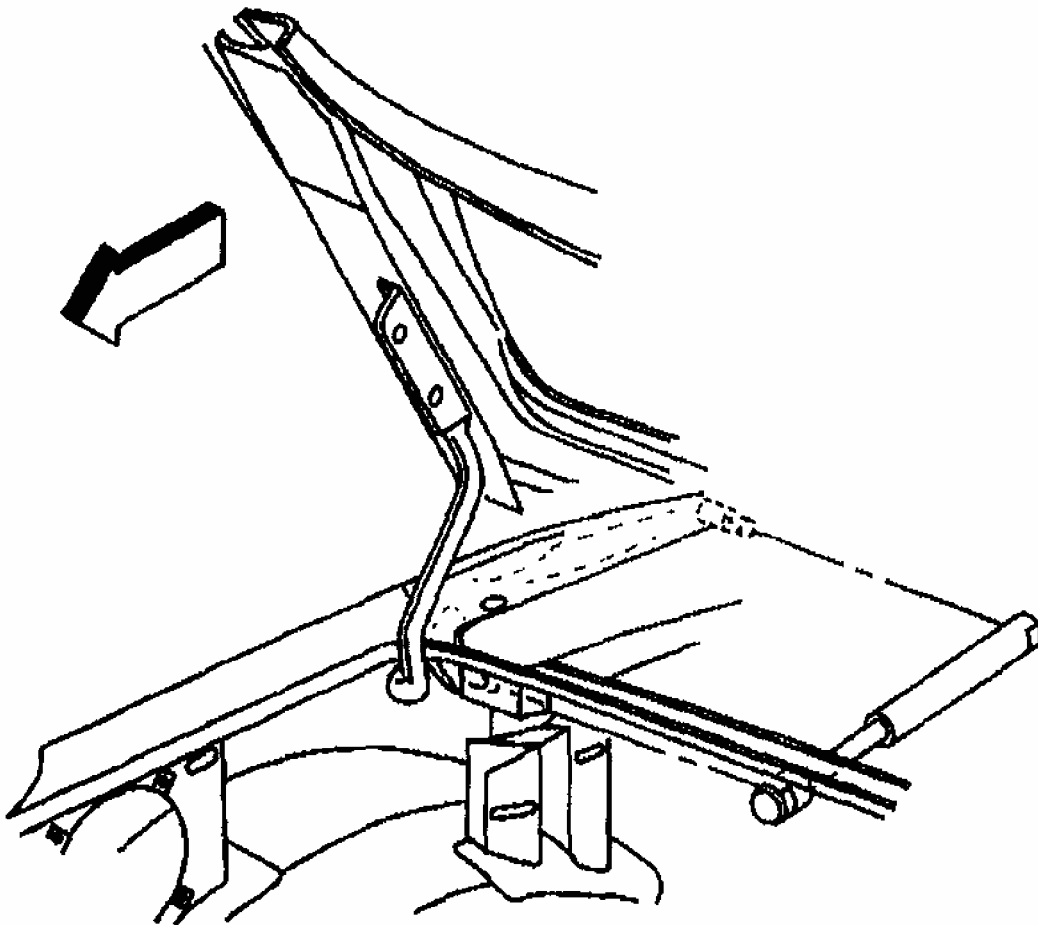
1. Open the rear compartment.
2. Remove the rear nut attaching the folding top stowage lid hinge.
3. Disconnect the right and left folding top stowage lid struts from the rear of the hinges.
4. Close the rear compartment.



G01451511

Fig. 198: Opening Rear Compartment
Courtesy of GENERAL MOTORS CORP.

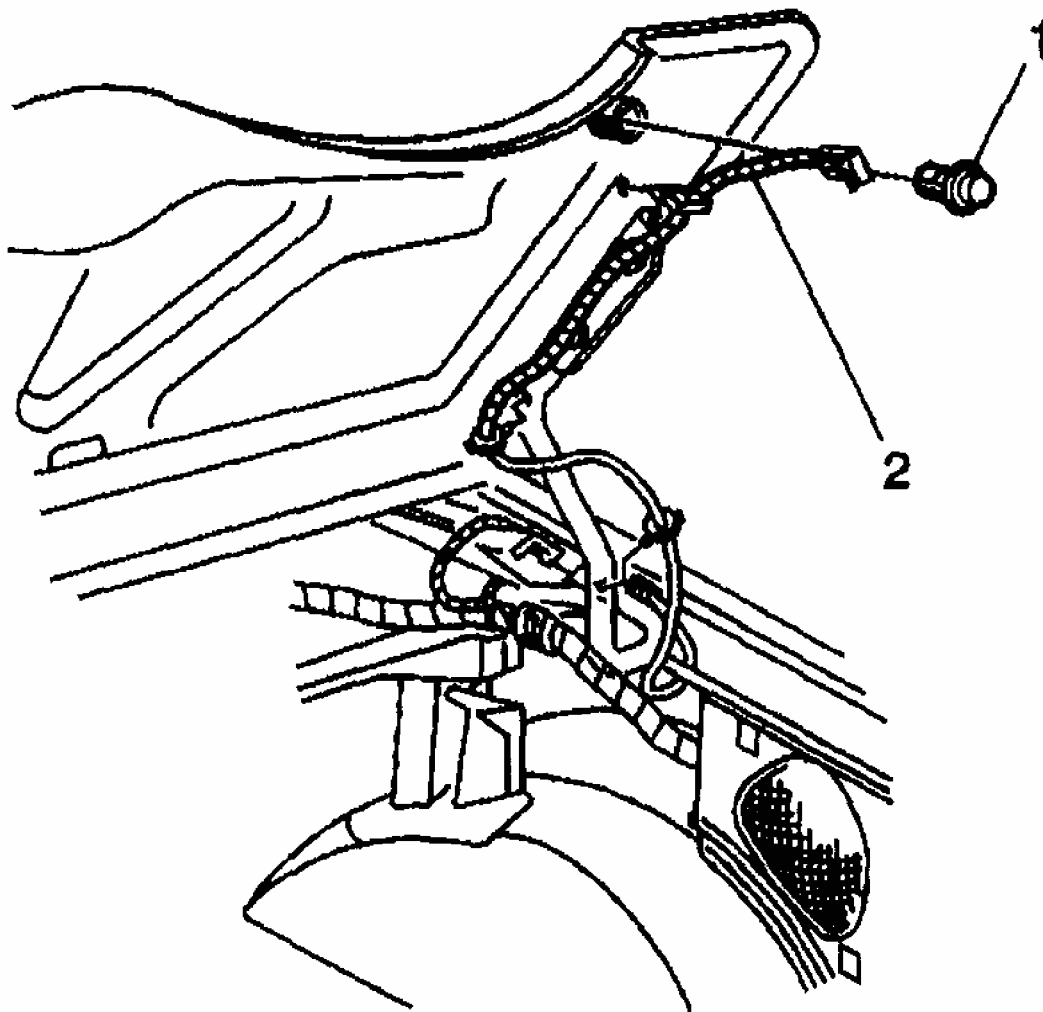
5. Open the folding top stowage lid and support the lid.
6. Place a protective cover between the stowage lid and the rear compartment lid, and over the top of the quarter panels.
7. Using a grease pencil mark the location of the hinge on the lid to aid in installation.



G01451512

Fig. 199: Opening Folding Top Stowage Lid & Support Lid
Courtesy of GENERAL MOTORS CORP.

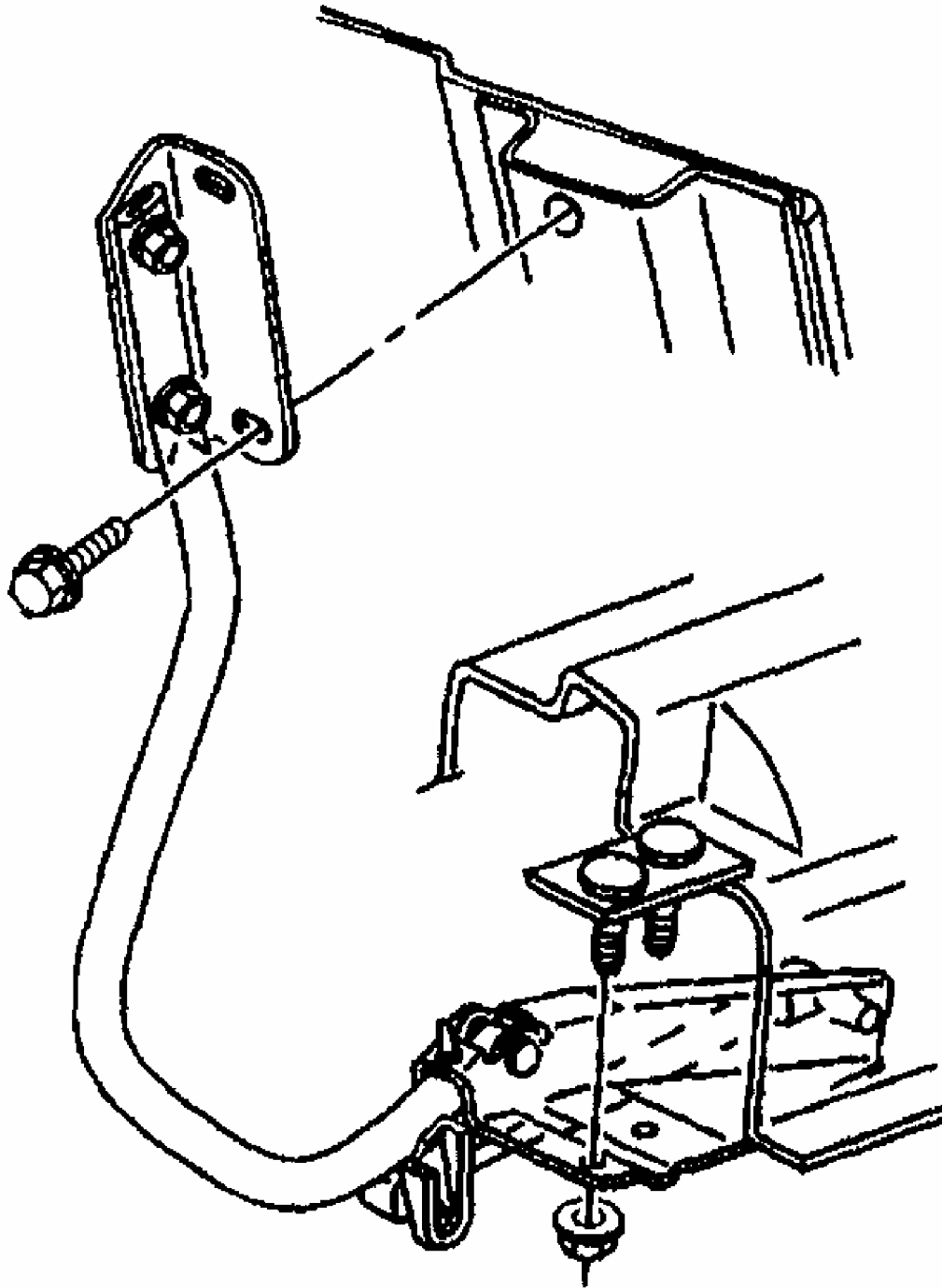
8. Remove the lid release switch harness (2) from the hinge, (drivers side hinge removal).



G01451513

Fig. 200: Lid Release Switch Harness From Hinge
Courtesy of GENERAL MOTORS CORP.

9. Remove the nuts attaching the front of the hinge to the body.
10. Remove the hinge bolts from the lid.
11. Remove the hinge.



G01451514

Fig. 201: Hinge Bolts From Lid
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

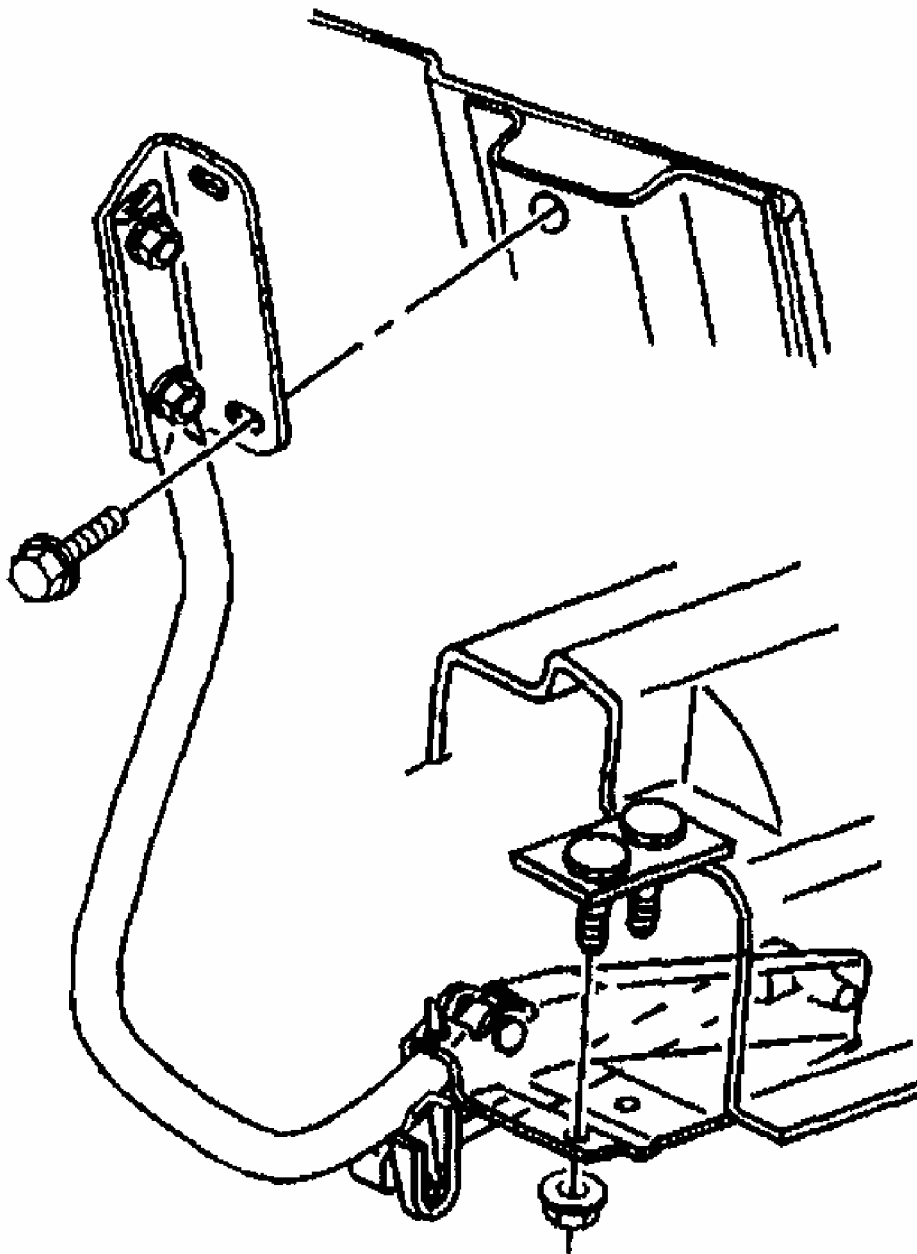
1. Position the hinge to the stud plate on the body.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices.**

2. Install the nut attaching the hinge to the front of the body stud plate.

Tighten

Tighten the folding top stowage lid hinge to body nut to 32 N.m (23 lb ft).



G01451515

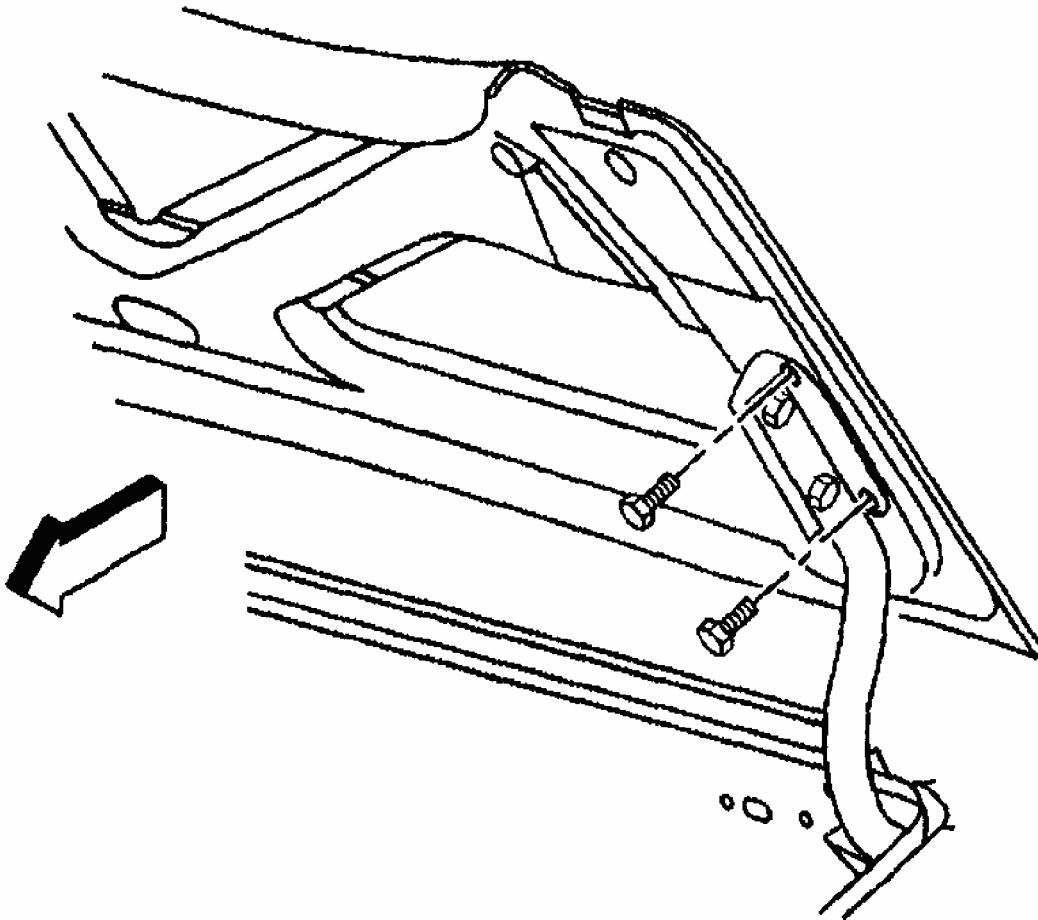
**Fig. 202: Nut Attaching Hinge To Front Of Body Stud Plate
Courtesy of GENERAL MOTORS CORP.**

3. Install the hinge bolts to the lid.

Tighten

Tighten the folding top stowage lid hinge to lid bolts to 25 N.m (18 lb ft).

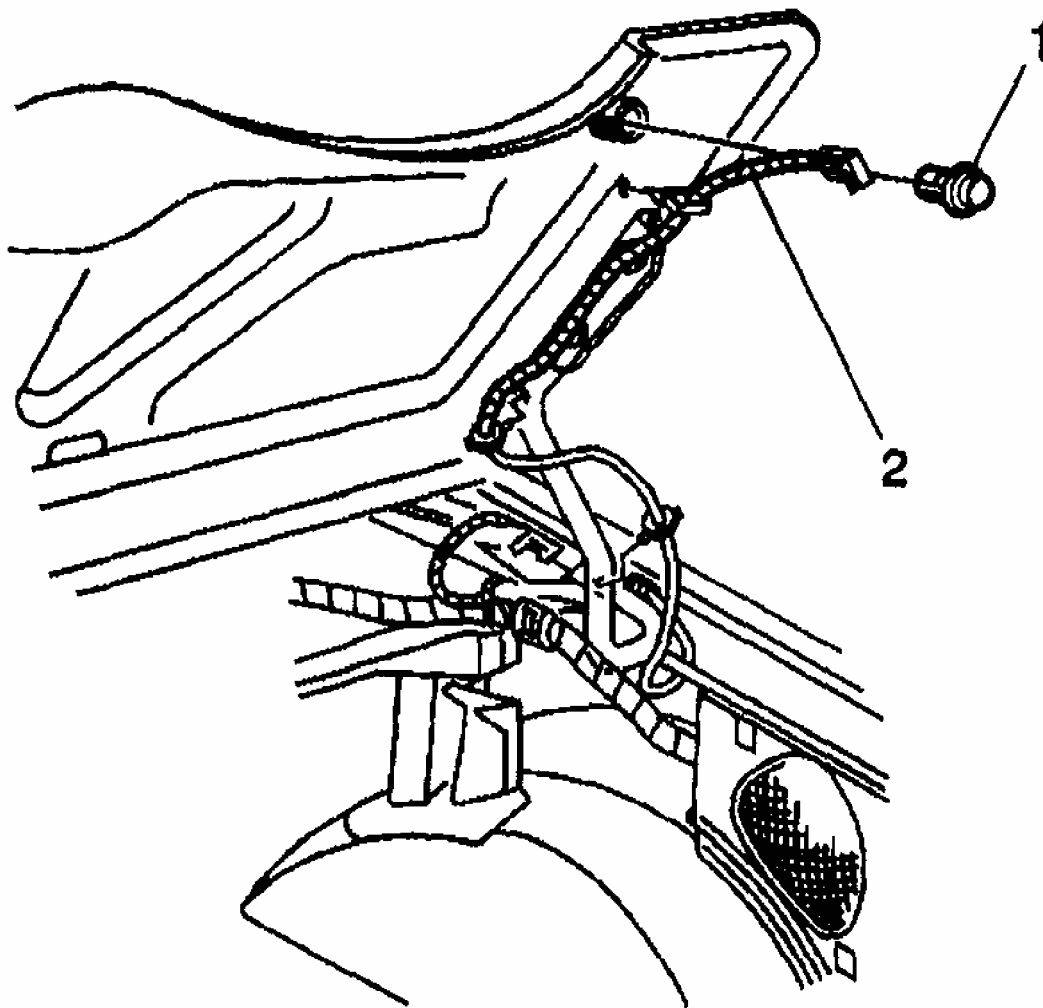
4. Install the strut to the front ball stud on the hinge.
5. Remove the protective covering and the temporary support.



G01451516

Fig. 203: Hinge Bolts To Lid
Courtesy of GENERAL MOTORS CORP.

6. Install the harness (2) to the hinge, (drivers side).
7. Lower and latch the folding top stowage lid.



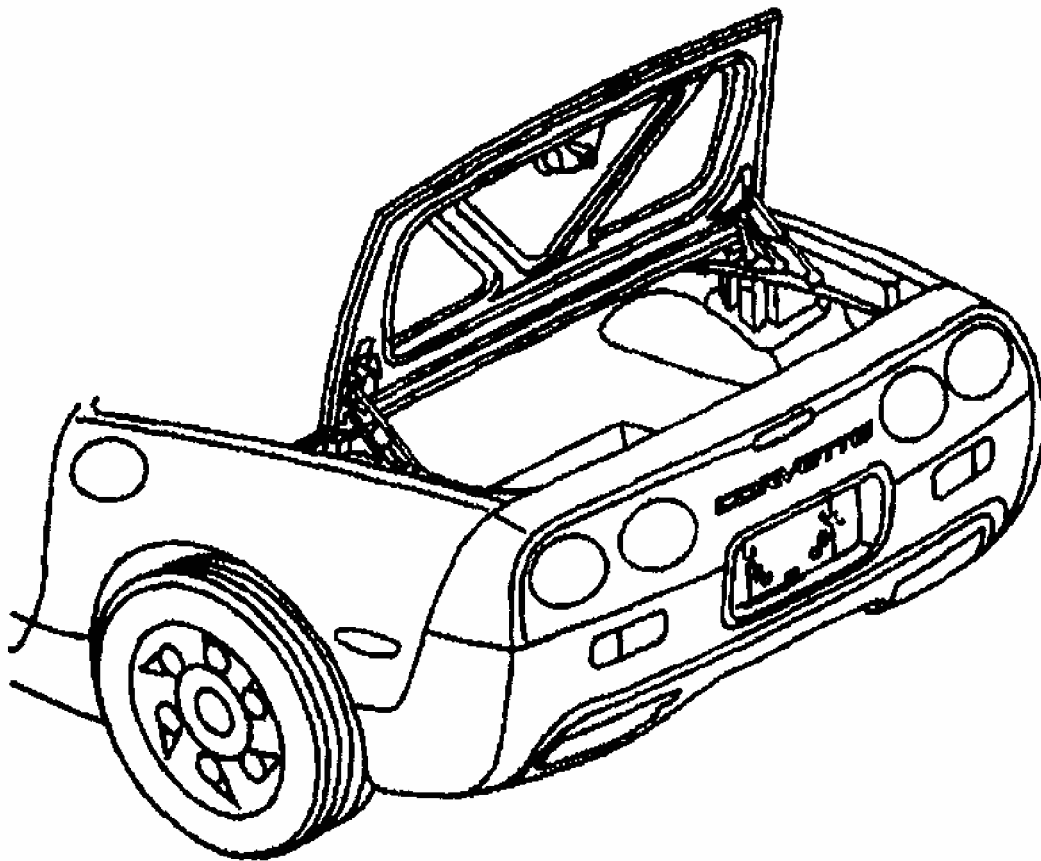
G01451517

Fig. 204: Harness To Hinge
Courtesy of GENERAL MOTORS CORP.

8. Open the rear compartment.
9. Install the nut attaching the hinge to the rear of the body stud plate.

Tighten

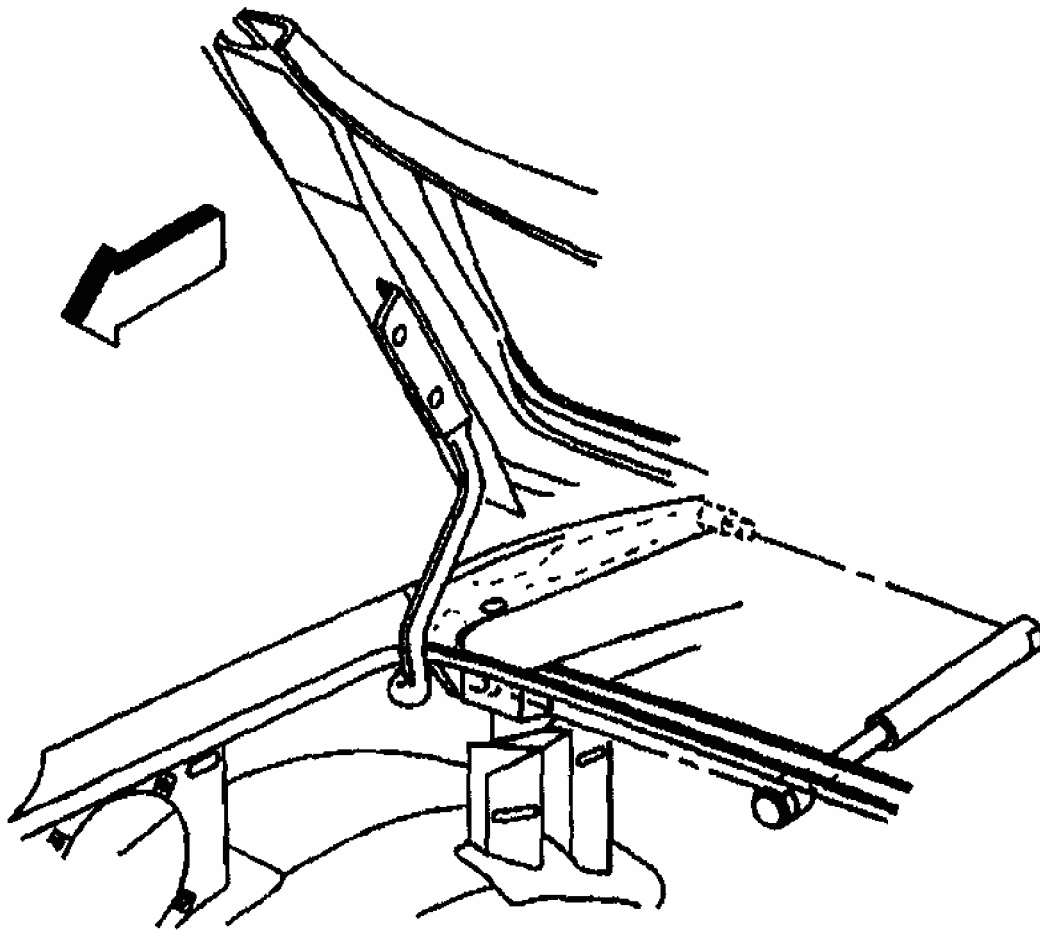
Tighten the folding top stowage lid hinge to body nut to 32 N.m (23 lb ft).



G01451518

Fig. 205: Opening Rear Compartment
Courtesy of GENERAL MOTORS CORP.

10. Install the folding top stowage lid struts to the hinges.
11. Inspect the operation of the rear compartment lid.



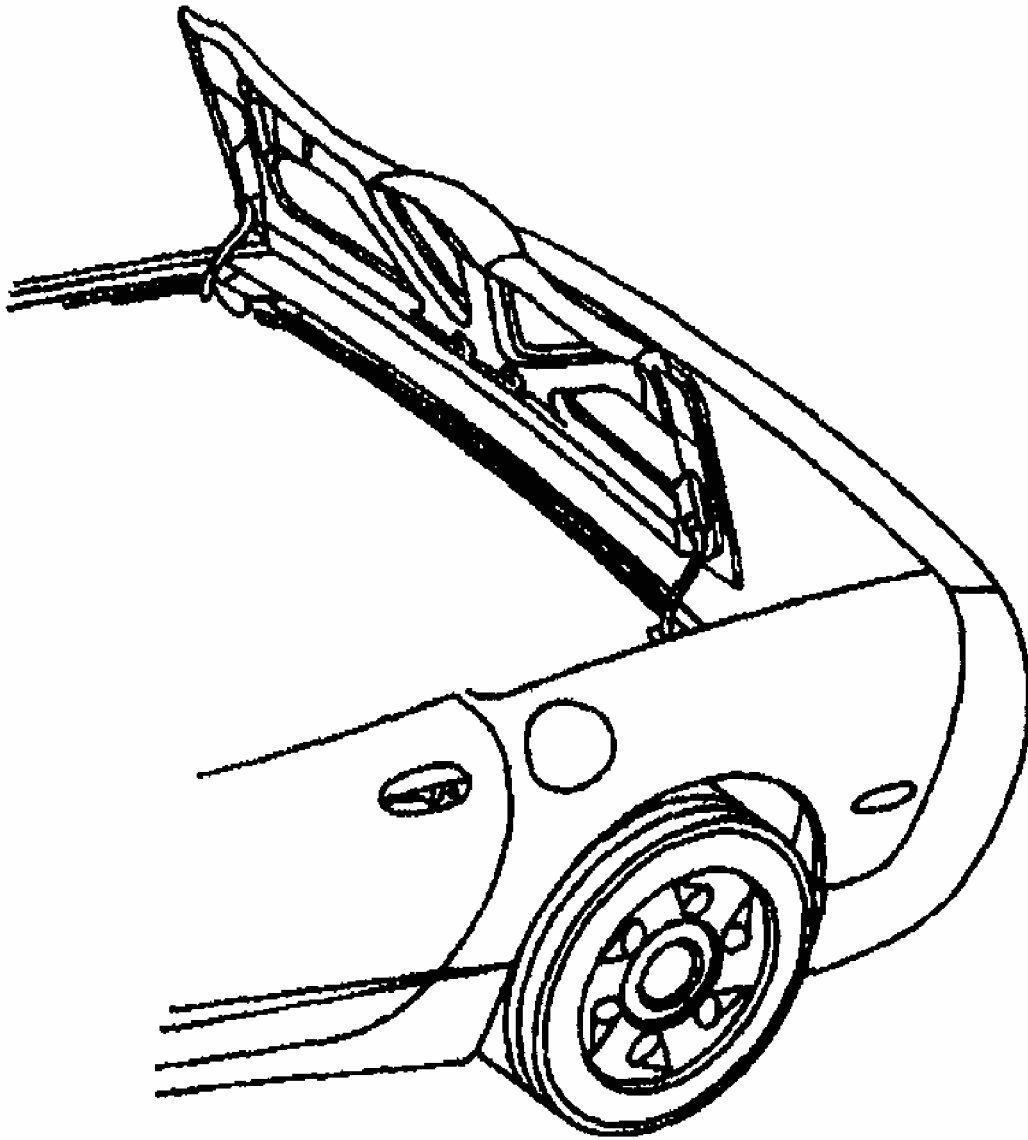
G01451519

Fig. 206: Folding Top Stowage Lid Struts To Hinges
Courtesy of GENERAL MOTORS CORP.

FOLDING TOP STOWAGE COMPARTMENT LID STRUTS REPLACE

Removal Procedure

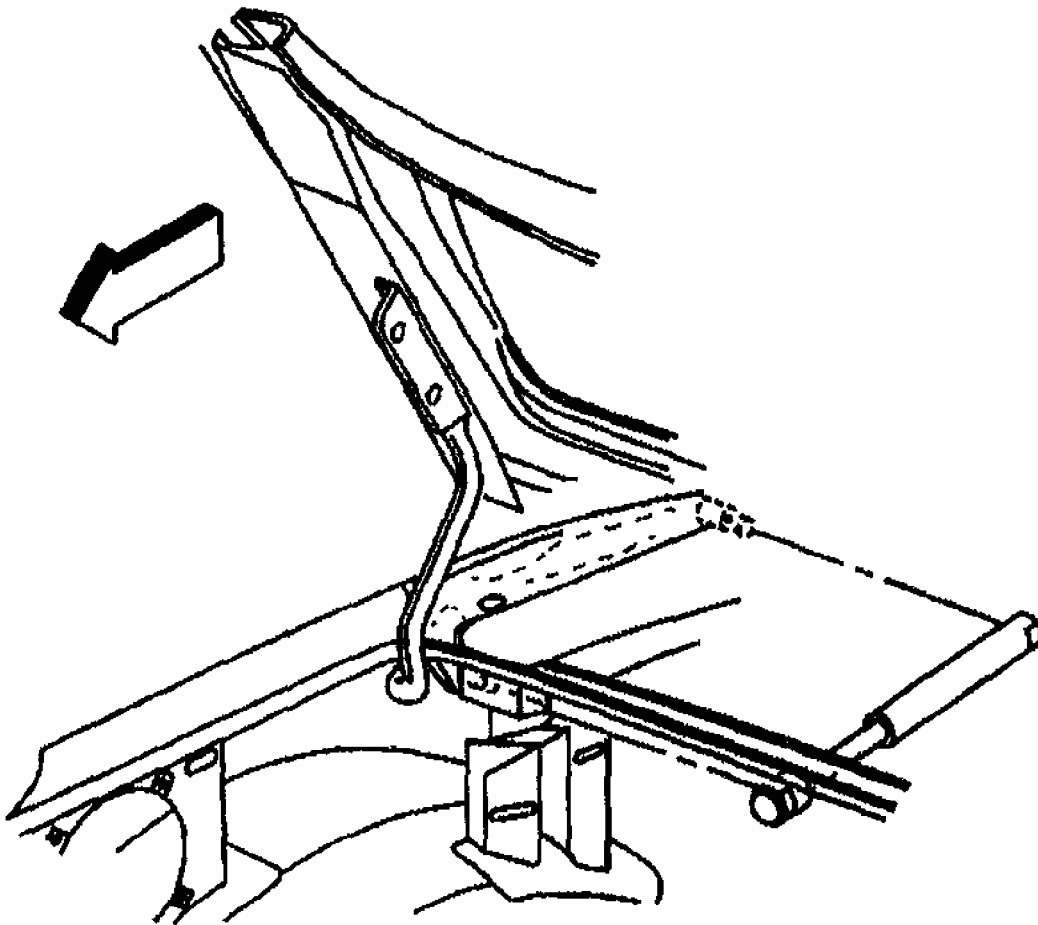
1. Open the folding top stowage compartment.



G01451520

Fig. 207: Opening Folding Top Stowage Compartment
Courtesy of GENERAL MOTORS CORP.

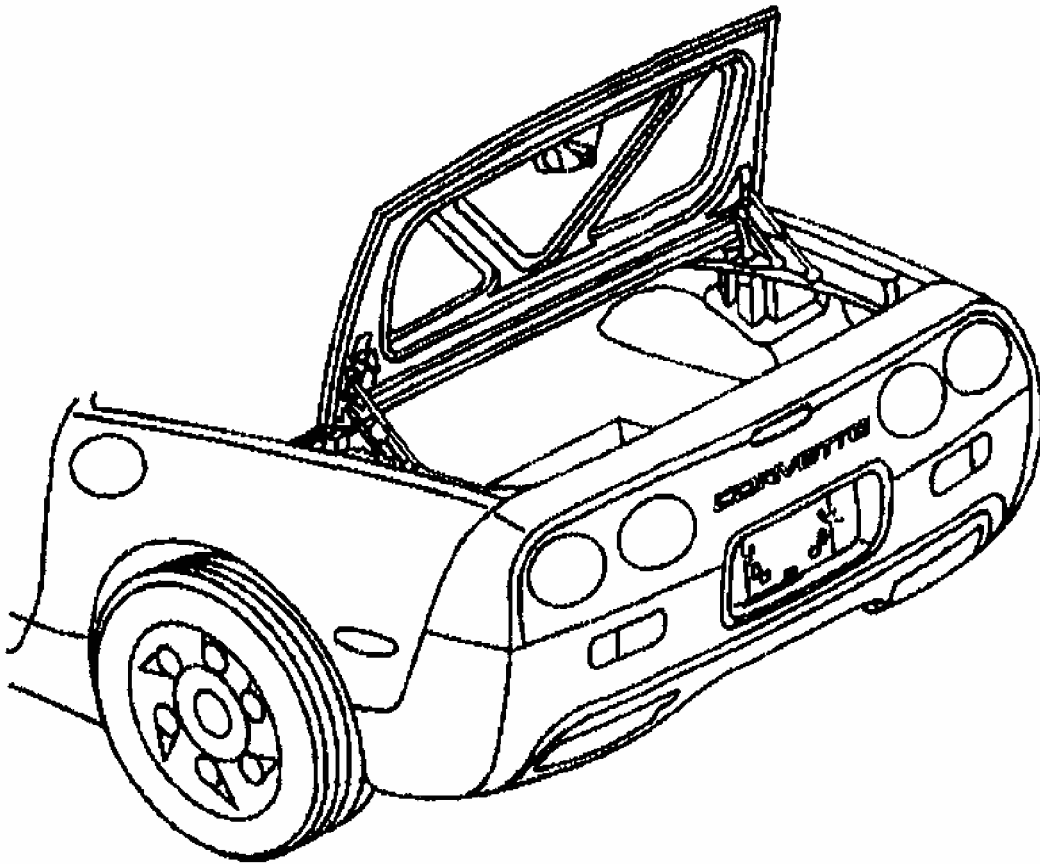
2. Remove the forward end of the strut from the hinge ball stud.
3. Close the folding top stowage compartment lid.



G01451521

Fig. 208: Closing Folding Top Stowage Compartment Lid
Courtesy of GENERAL MOTORS CORP.

4. Open the rear stowage compartment lid.
5. Remove the strut from the rear ball stud.

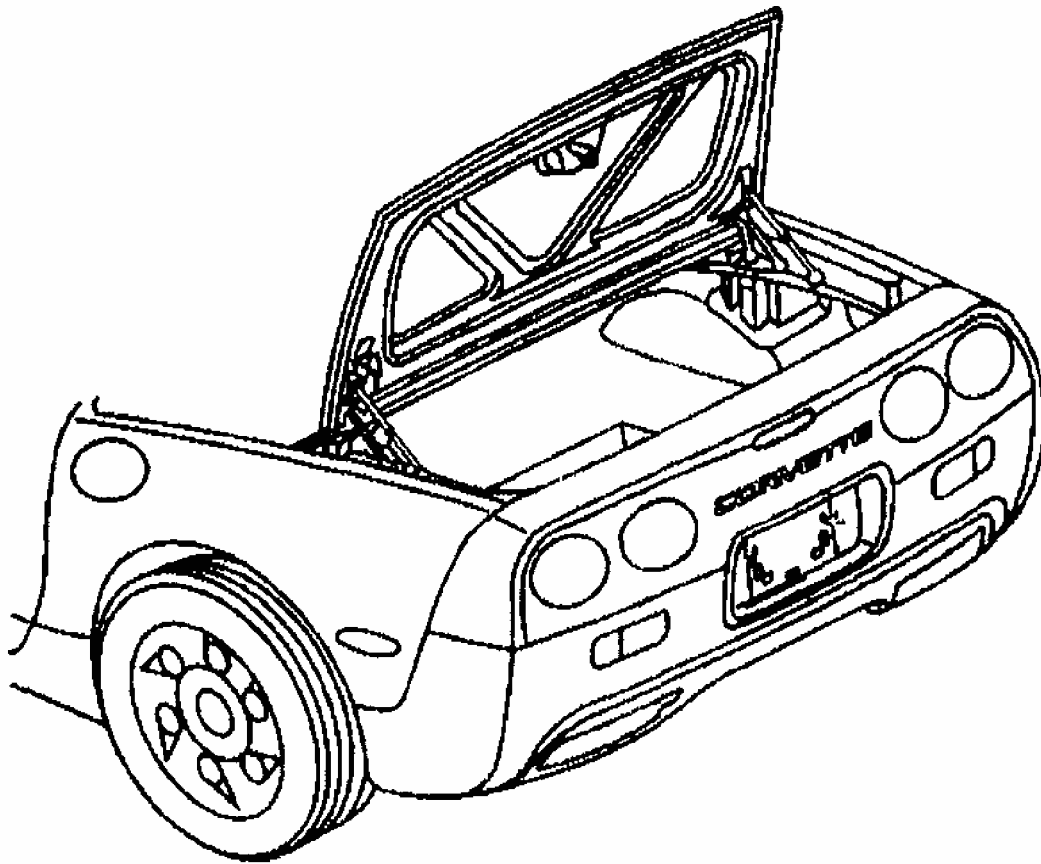


G01451522

Fig. 209: Opening Rear Stowage Compartment Lid
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

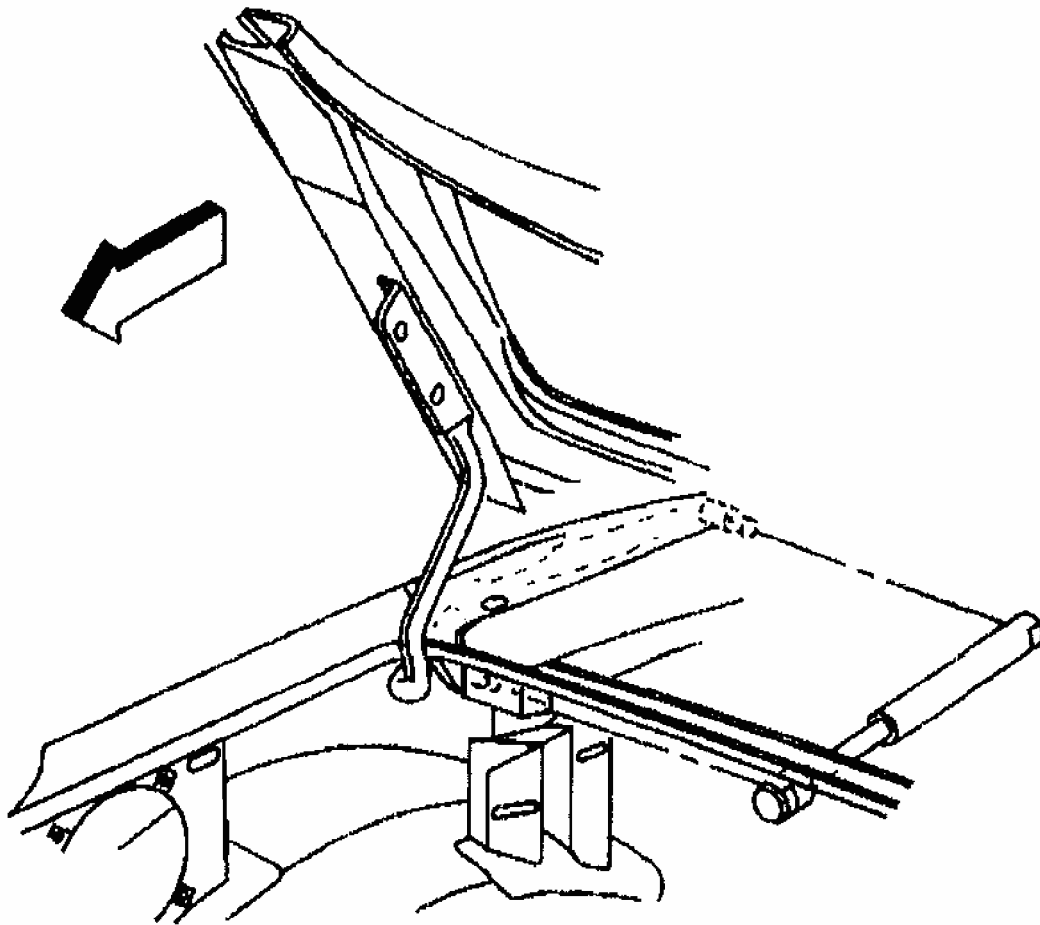
1. Open the rear stowage compartment lid.



G01451523

Fig. 210: Opening Rear Stowage Compartment Lid
Courtesy of GENERAL MOTORS CORP.

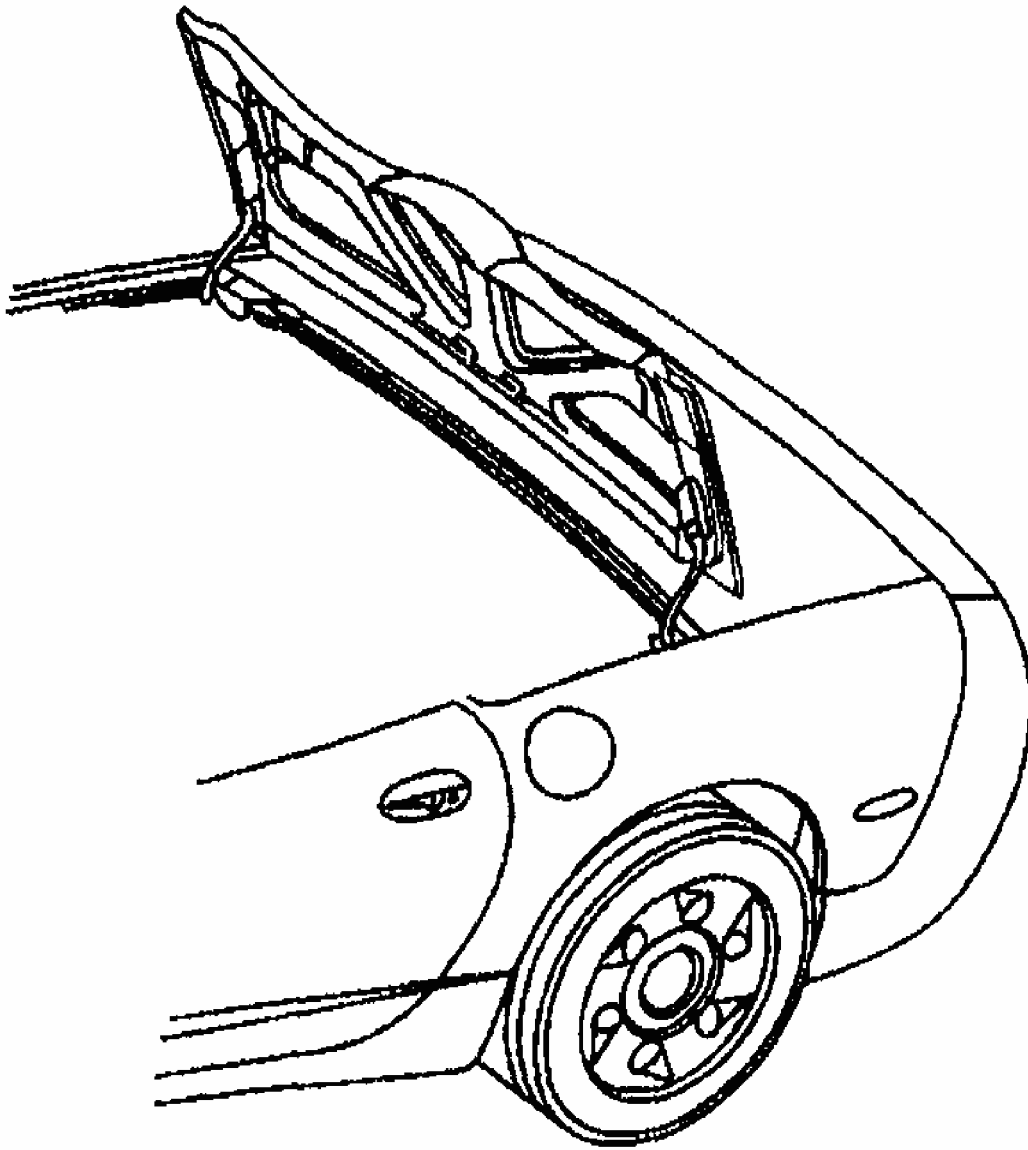
2. Position the rod end of the strut through the access hole between the quarter panel and the support.
3. Install the strut to the rear ball stud.
4. Close the rear stowage compartment.



G01451524

Fig. 211: Closing Rear Stowage Compartment Lid
Courtesy of GENERAL MOTORS CORP.

5. Open the folding top stowage compartment.
6. Install the rod end of the strut to the front of the hinge.
7. Close the folding top stowage compartment.



G01451525

Fig. 212: Closing Folding Top Stowage Compartment Lid
Courtesy of GENERAL MOTORS CORP.

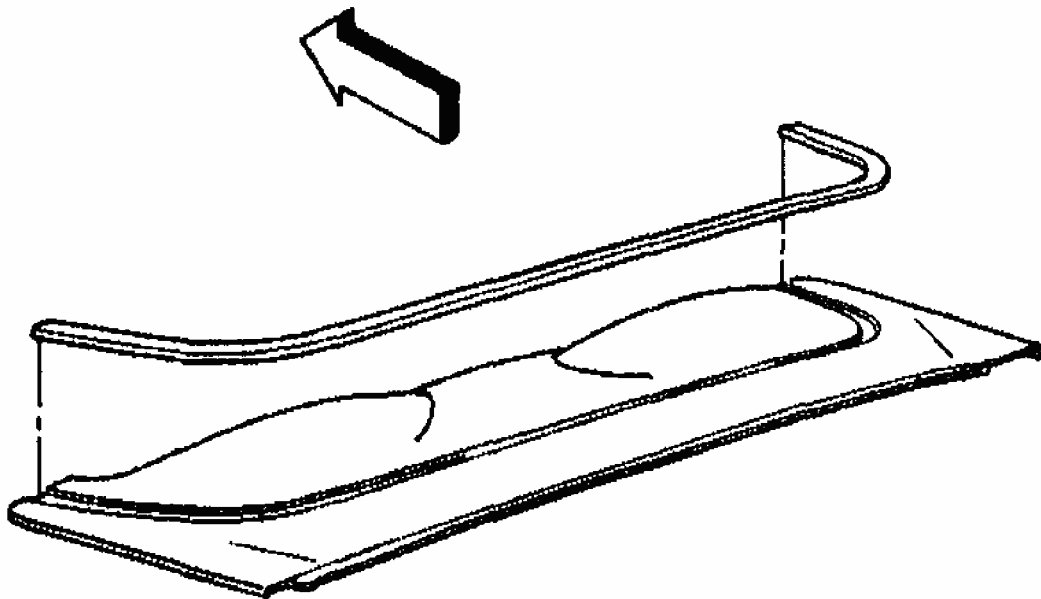
FOLDING TOP STOWAGE COMPARTMENT LID PROTECTOR

Removal Procedure

1. Using a heat gun heat the protector/molding to soften the adhesive.
2. Lift upward to remove the protector.
3. Remove all old adhesive from the lid depression by using 3M(tm) adhesive remover

P/N 8984 or equivalent.

4. Clean the surface with a 50/50 mixture of isopropyl alcohol and water.
5. Dry the surface with a clean cloth.

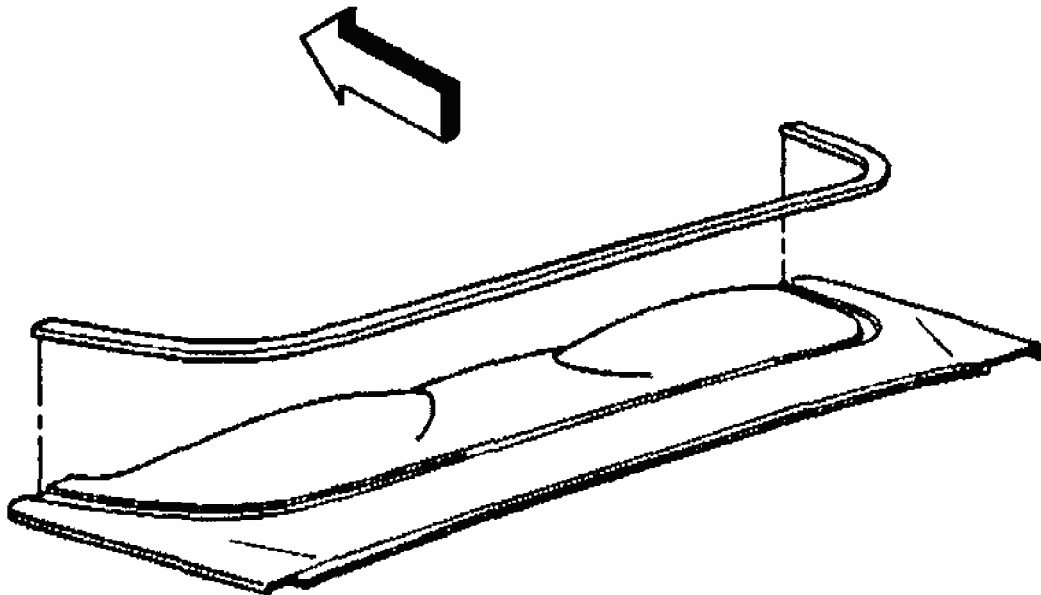


G01451526

Fig. 213: Folding Top Stowage Compartment Lid Protector
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Using a heat gun preheat the adhesive on the new protector.
2. Peel the backing from the protector.
3. Position the protector inside the lid depression with the ends of the protector flush with the forward edge of the lid.
4. Press the protector firmly into the lid depression.



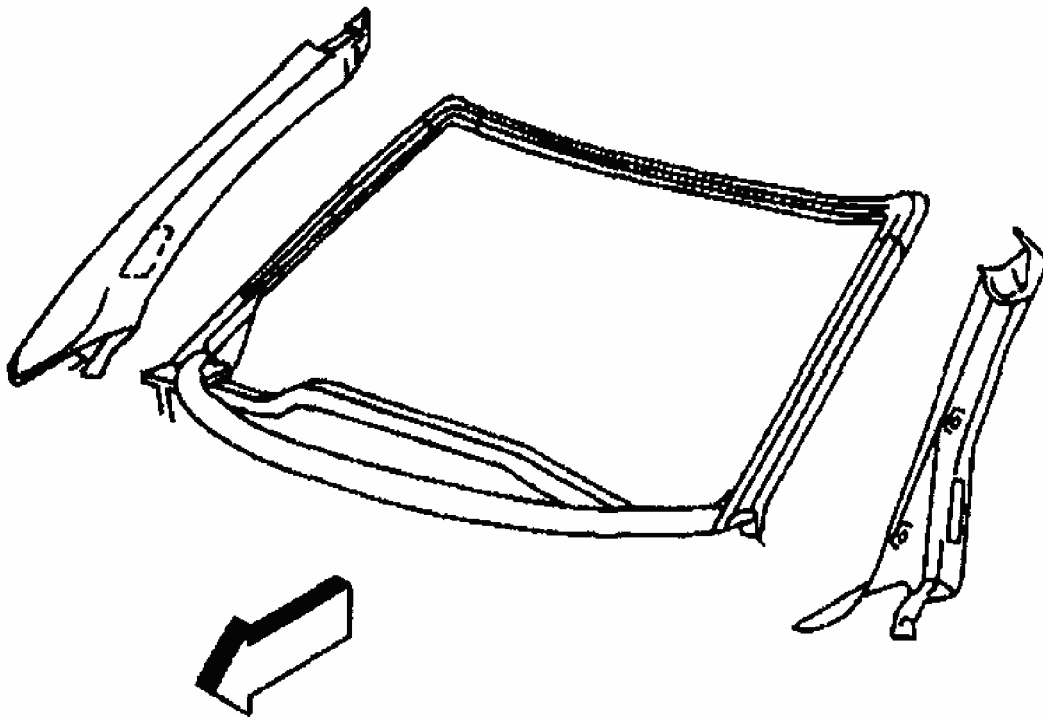
G01451527

Fig. 214: Folding Top Stowage Compartment Lid Protector
Courtesy of GENERAL MOTORS CORP.

HARD TOP REPLACEMENT

Removal Procedure

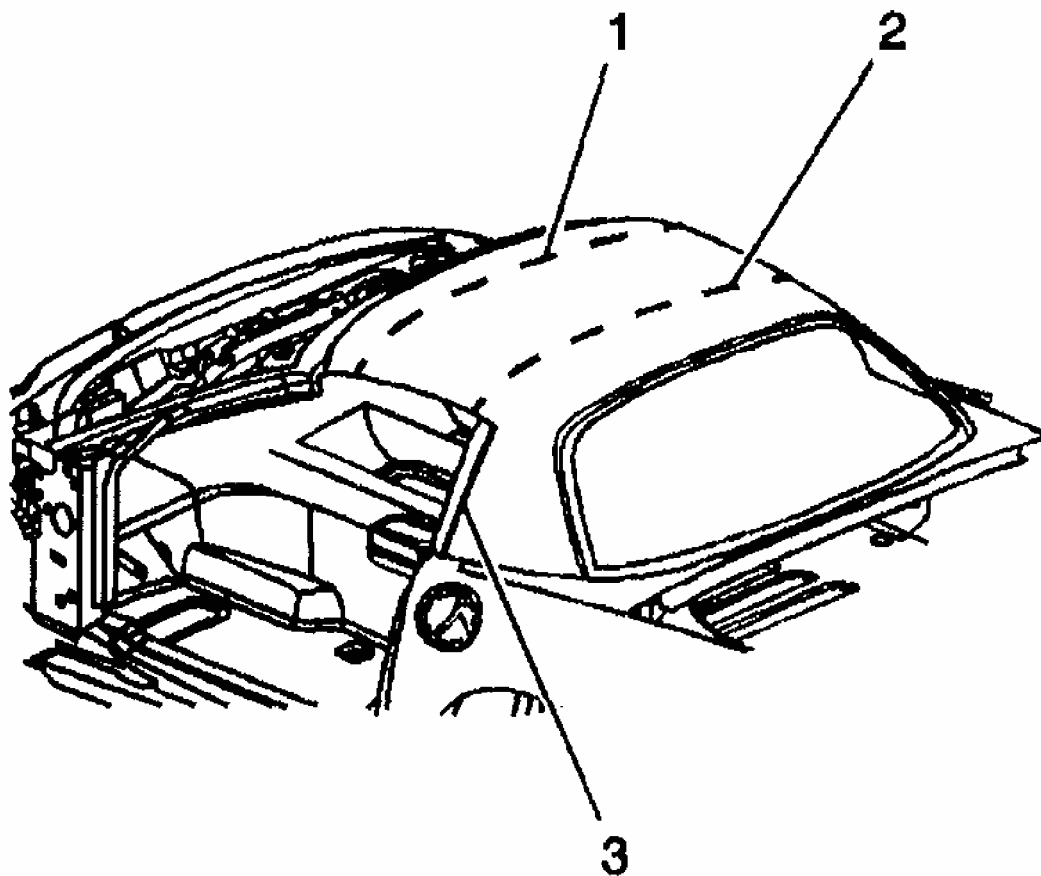
1. Remove the windshield reveal molding. Set the molding aside.
2. Remove the rear window. Refer to **REAR WINDOW REPLACEMENT** in Stationary Windows.
3. Remove the 2 sun visors. Refer to **SUNSHADE REPLACEMENT** in Interior Trim.
4. Remove the windshield side garnish moldings and retainers.
5. Remove 2 bolts and the seat belt guides from the roof bow.
6. Remove 3 headliner fasteners.
7. Remove the headliner. Refer to **HARD TOP HEADLINER REPLACEMENT** in Interior Trim.



G01451528

Fig. 215: Windshield Reveal Molding
 Courtesy of GENERAL MOTORS CORP.

8. Remove the roof weatherstrips and moldings. Refer to **WEATHERSTRIP SIDE RETAINER REPLACEMENT (COUPE AND CONVERTIBLE)** or **WEATHERSTRIP SIDE RETAINER REPLACEMENT (HARDTOP)** in Stationary Windows.
9. Remove the side reveal molding. Refer to **SIDE REVEAL MOLDING REPLACEMENT (COUPE AND CONVERTIBLE)** or **SIDE REVEAL MOLDING REPLACEMENT (HARDTOP)** in Stationary Windows.
10. Protect the interior of the vehicle with plastic sheeting.
11. Make a rough cut the width of the roof, 100 mm (4 in) from the windshield front edge (1) in order to gain access to the bonded areas. Refer to **ROOF DESCRIPTION** .
12. Make a rough cut the width of the roof, 150 mm (6 in) forward of the rear glass (2) in order to gain access to the bonded areas. Do NOT cut into the roof bow (3).

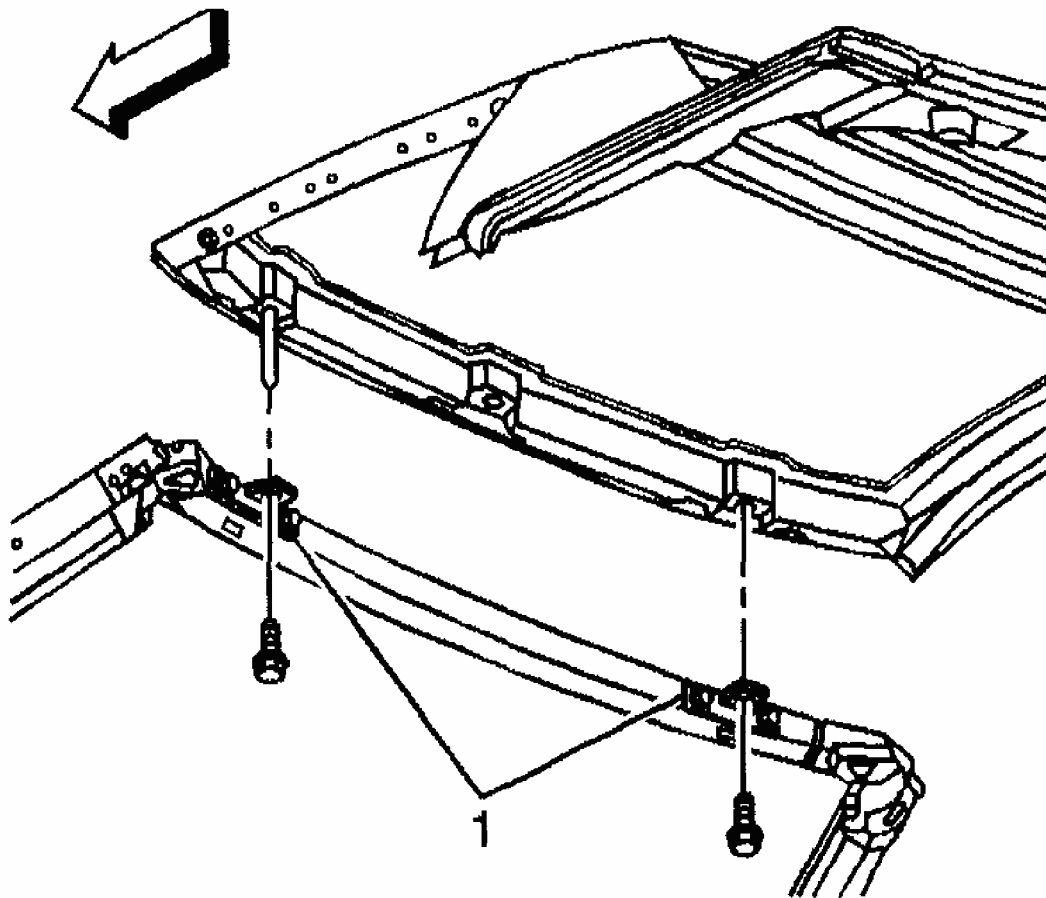


G01451529

Fig. 216: Making A Rough Cut On Forward Of Rear Glass In Order To Gain Access To Bonded Areas

Courtesy of GENERAL MOTORS CORP.

13. Mark the location of 2 brackets (1) on the front edge of the roof bow. Remove the brackets.



G01451530

Fig. 217: Brackets
Courtesy of GENERAL MOTORS CORP.

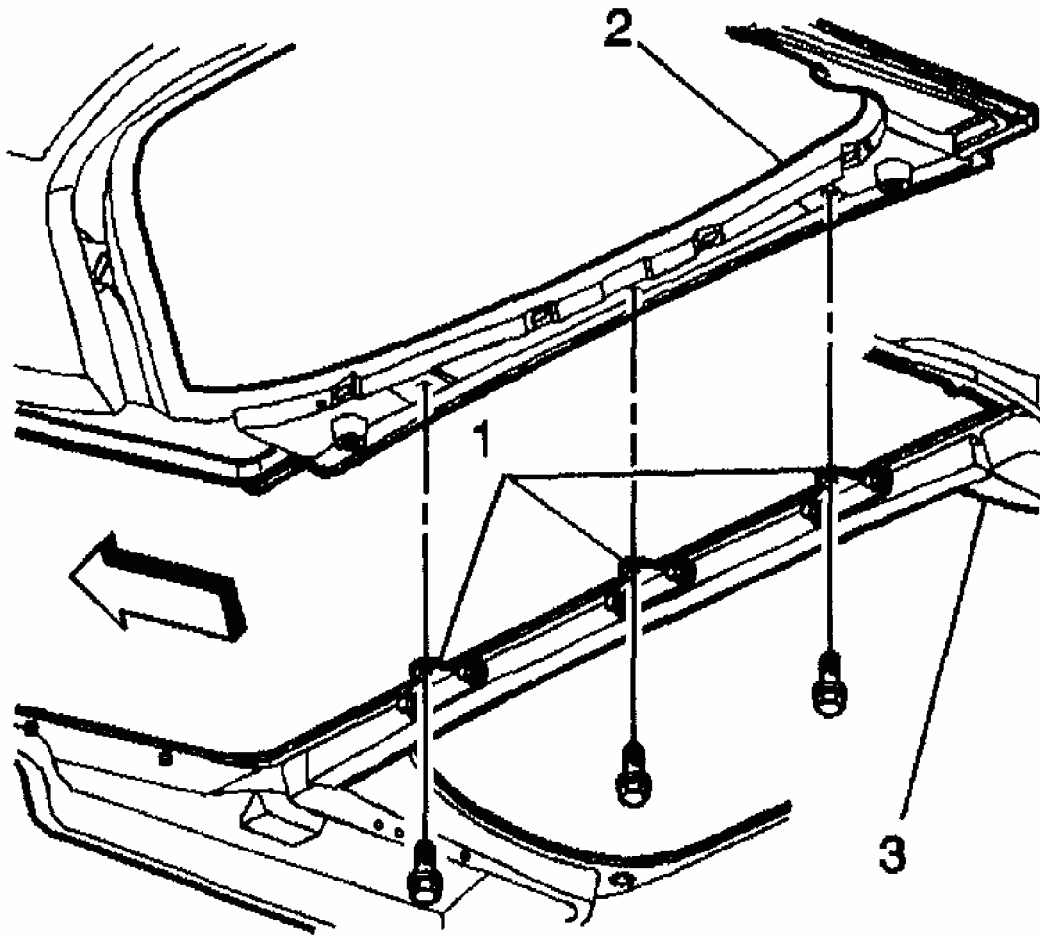
14. Mark the location of 3 brackets (1) at the front edge of the surround panel (3). Remove the brackets.
15. Mark the location of 2 brackets on the opposite sides of the roof bow. Remove the brackets.
16. Use a heat gun to debond the roof panel along all remaining seams. If the outer panel is separating from the inner roof panel, apply more heat.
17. Use a pneumatic knife to cut the front edge of the roof from the windshield header and the rear edge of the roof at the surround panel.

Important: Use caution when prying off the panel to prevent the inner brace from separating.

18. Pry up the roof panel along the roof bow, along the windshield and the front edge of the

deck lid.

19. Note the location of butyl and clean excess urethane from all panels to prepare for installation.

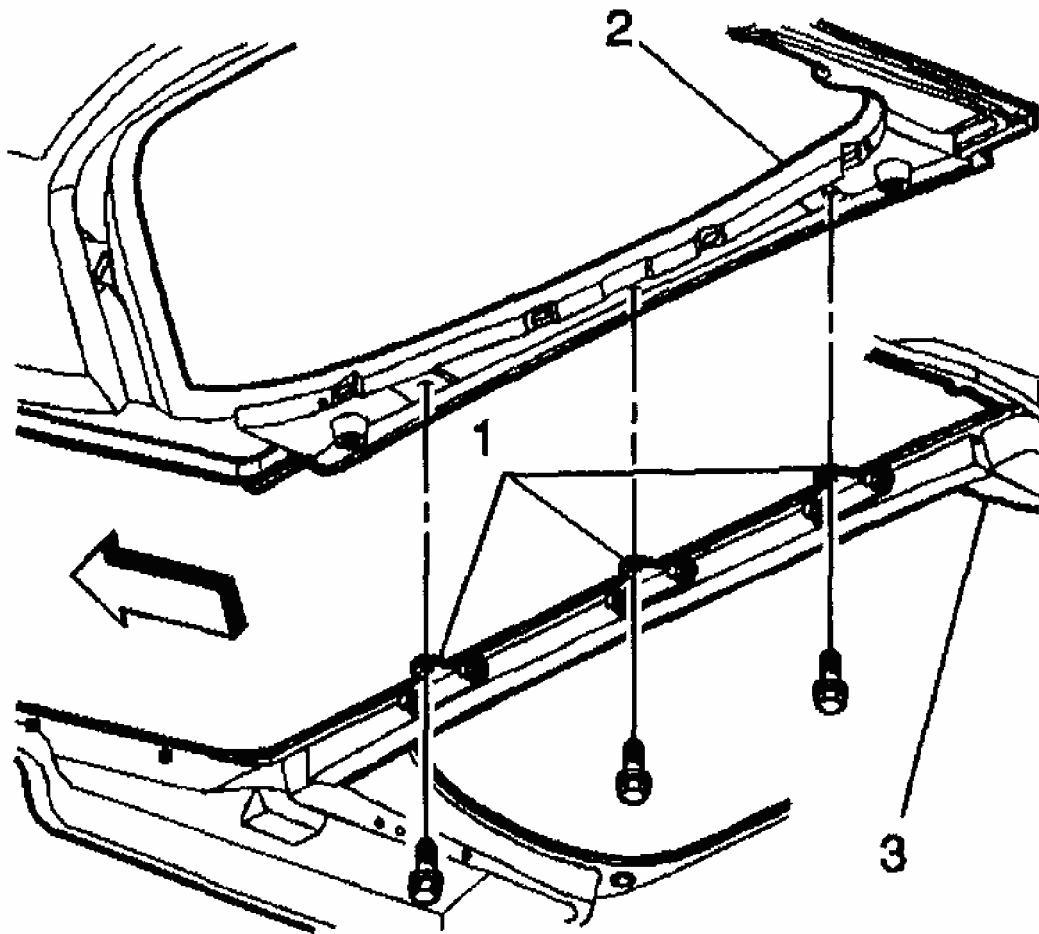


G01451531

Fig. 218: Brackets
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Prepare the mating surfaces.
2. Remove the tape and all tape residue from the service part along all bonded surfaces.
3. Install 3 rear brackets along the rear edge of the roof bow.
4. Prepare the bonding surfaces using a scuff pad. Clean the bond area with a lint-free rag, using a water-based cleaner.

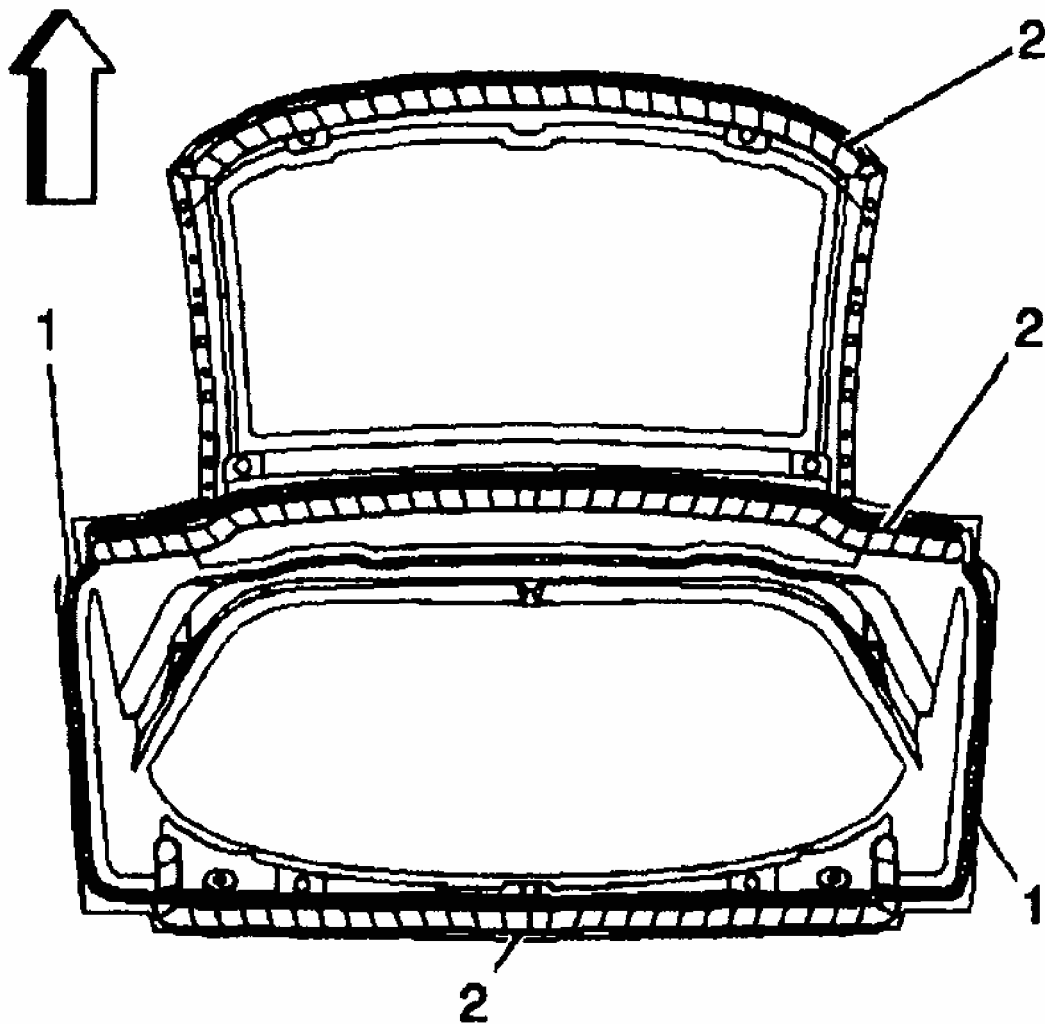


G01451532

Fig. 219: Rear Brackets Along Rear Edge Of Roof Bow
 Courtesy of GENERAL MOTORS CORP.

Important: Prior to refinishing, refer to GM 4901MD-99 Refinish Manual for recommended products. Do NOT combine paint systems. Refer to the paint manufacturer's recommendations.

5. Prime bare metal areas and the SMC bond areas using the urethane adhesive kit, GM P/N 12346284 (Canadian P/N 10952983).
 - Prime the small bare metal areas along the windshield header and the roof bow with the pinch-weld flange primer.
 - For large bare metal areas, larger than 4x4 in, use a 2-part catalyzed primer.
6. Apply a butyl sealer (1) to the service part as indicated.
7. Apply urethane (2) to the vehicle and in recommended locations along the service part.



G01451533

Fig. 220: Applying Butyl Sealer To Service Part & Urethane To Vehicle
Courtesy of GENERAL MOTORS CORP.

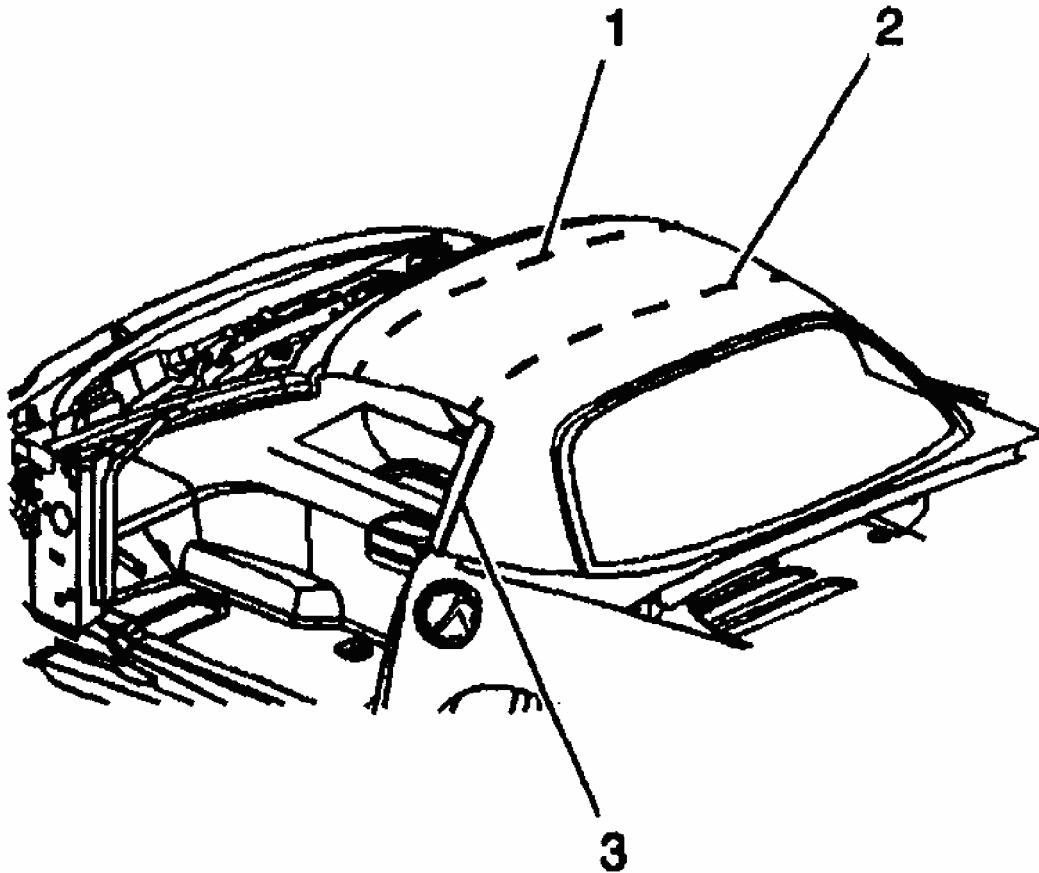
Important: The quarter panels must be in the body position before you insert the roof panel. Place the deck lid in the open position.

8. With the aid of a helper, install the service part roof.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

9. From the outside of the vehicle, push down on the top of the roof to create a flush fit with the surrounding panels. From the inside of the vehicle, tighten the fasteners.

10. Reinstall the hardware along the windows and along the windshield side pillar.
11. Install the side reveal molding. Refer to **SIDE REVEAL MOLDING REPLACEMENT (COUPE AND CONVERTIBLE)** or **SIDE REVEAL MOLDING REPLACEMENT (HARDTOP)** in Stationary Windows.
12. Install new roof weatherstrip side retainers and replace the moldings. Refer to **WEATHERSTRIP SIDE RETAINER REPLACEMENT (COUPE AND CONVERTIBLE)** or **WEATHERSTRIP SIDE RETAINER REPLACEMENT (HARDTOP)** in Stationary Windows.



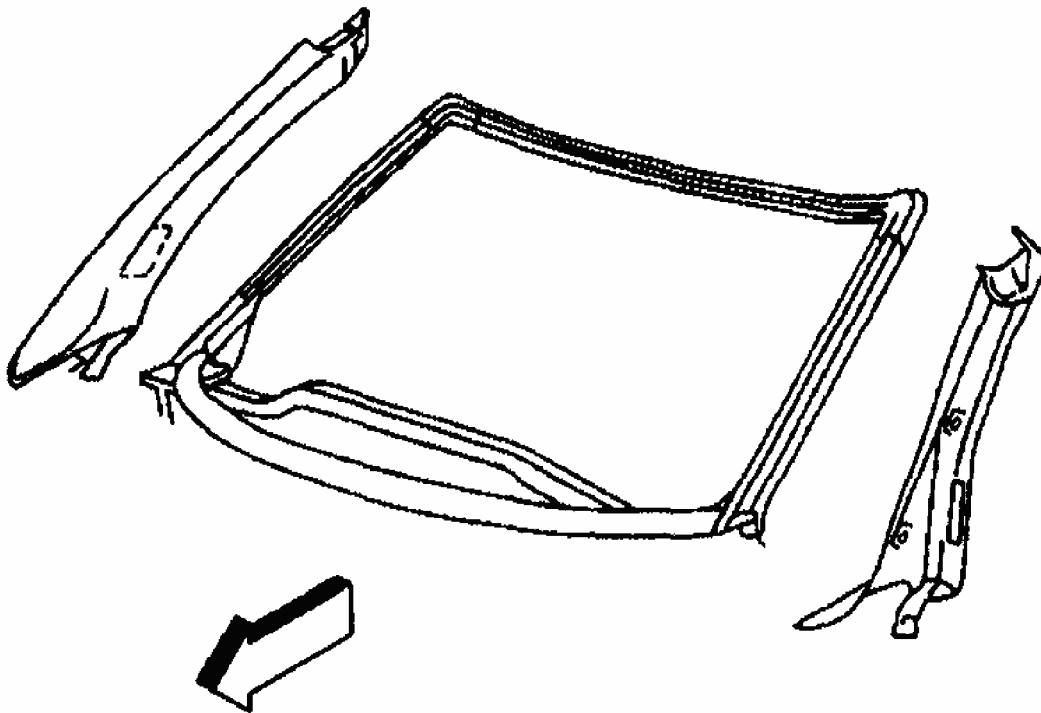
G01451534

Fig. 221: Reinstalling Hardware Along Windows & Along Windshield Side Pillar
 Courtesy of GENERAL MOTORS CORP.

13. Install the headliner through the rear window opening. Fasten the headliner in place. Refer to **HARD TOP HEADLINER REPLACEMENT** in Interior Trim.
14. Install 3 headliner fasteners.
15. Install the seat belt upper guides. Refer to SEAT BELT RETRACTOR

REPLACEMENT - LEFT FRONT (CONVERTIBLE) or SEAT BELT RETRACTOR REPLACEMENT - LEFT FRONT (COUPE, HARDTOP) and to SEAT BELT RETRACTOR REPLACEMENT - RIGHT FRONT (CONVERTIBLE) or SEAT BELT RETRACTOR REPLACEMENT - RIGHT FRONT (COUPE, HARDTOP) in Seat Belts.

16. Install the windshield side garnish moldings and retainers.
17. Install 2 sun visors. Refer to **SUNSHADE REPLACEMENT** in Interior Trim.
18. Install the rear window. Refer to **REAR WINDOW REPLACEMENT** in Stationary Windows.
19. Install the window reveal molding.
20. Test the roof panel for water leaks.



G01451535

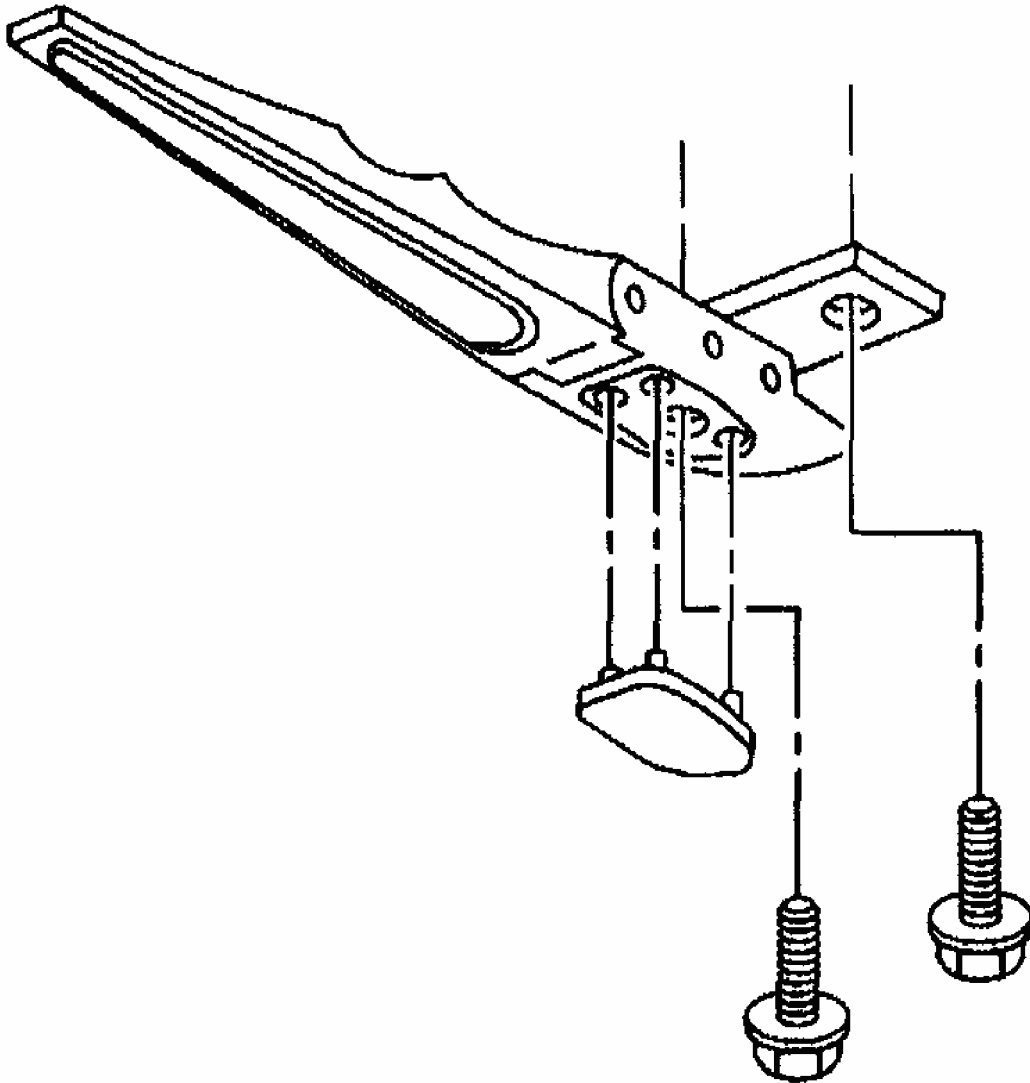
Fig. 222: Window Reveal Molding
Courtesy of GENERAL MOTORS CORP.

ROOF LIFT OFF PANEL FRONT LATCH HANDLE REPLACEMENT

Removal Procedure

1. Mark the location of the latch.
2. Rotate the handle and remove the exposed bolt.

3. Remove the trim cover from the latch.
4. Rotate the handle aligning the hole in the handle with the bolt.
5. Remove the bolt and the latch handle assembly.



G01451536

Fig. 223: Bolt & Latch Handle Assembly
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

Important: When installing a new latch leave the spacing collar on the latch handle to achieve a minimum of 2 mm (0.08 in) clearance to the striker.

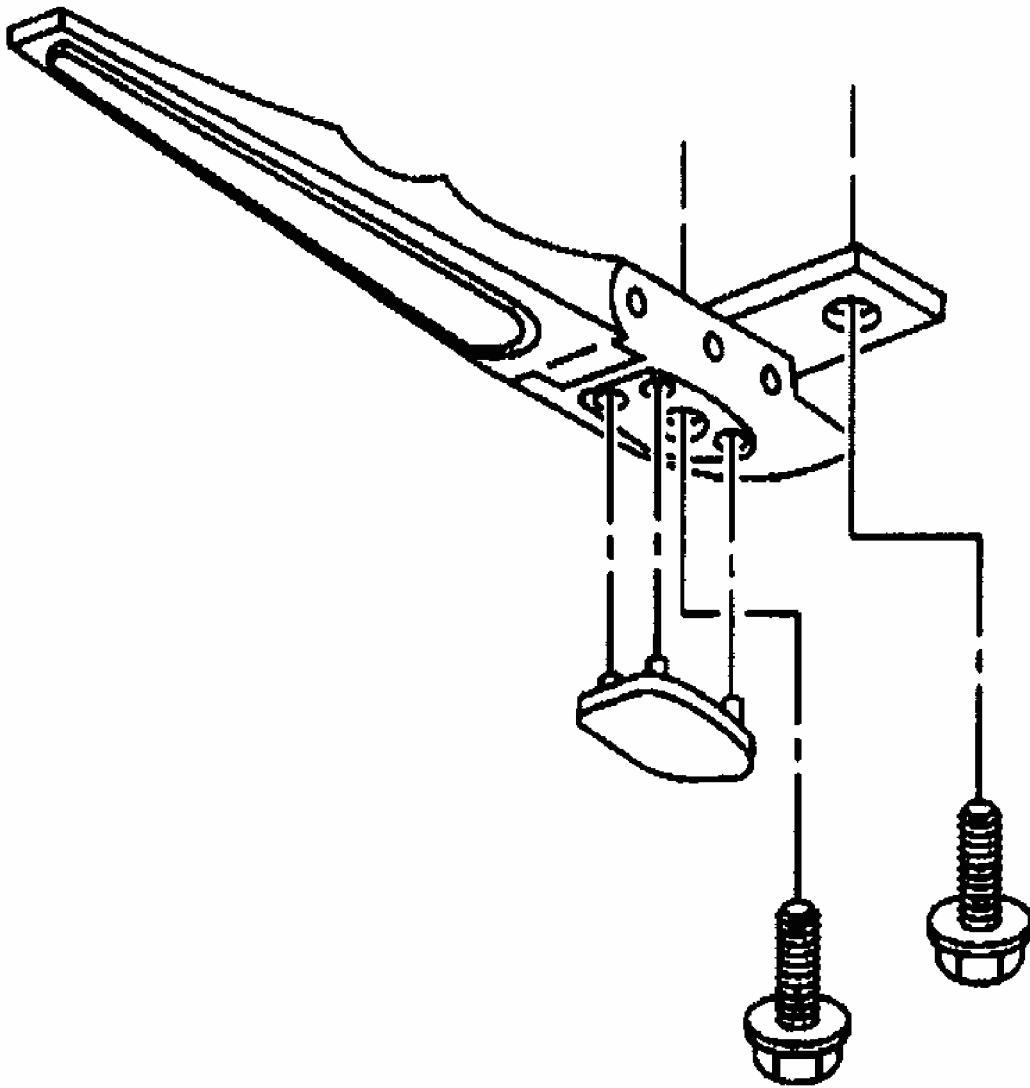
2003 Chevrolet Corvette

2003 ACCESSORIES & EQUIPMENT Roof - Corvette

1. Remove the latch handle trim cover if installed.
2. Apply removable thread locker GM P/N 12345382 Canadian P/N 10953489 to the latch mounting bolts.
3. Align the latch to the marks on the roof made before removing the latch.
4. Loosely install the latch handle to the roof.
5. Rotate the handle to access the inboard mounting bolt.
 - When installing a latch handle with a spacing collar installed apply forward pressure to the handle while tightening the mounting bolts.
 - If the spacing collar is not available, position the latch handle with a minimum of 2 mm (0.08 in) clearance to the latch.

NOTE: Refer to FASTENER NOTICE in Cautions and Notices.

6. Install the inboard bolt.



G01451537

Fig. 224: Installing Latch Handle To Roof
Courtesy of GENERAL MOTORS CORP.

Tighten

Tighten the latch handle inboard bolt to 18 N.m (13 lb ft).

7. Rotate the handle.
8. Install the outboard bolt.

Tighten

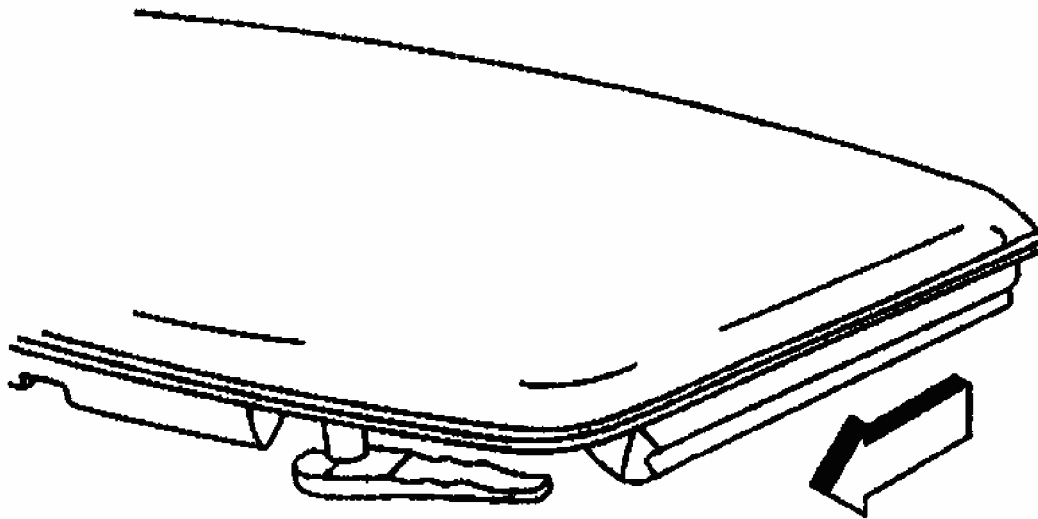
Tighten the latch handle outboard bolt to 18 N.m (13 lb ft).

9. Remove the spacing collar.
10. Completely engage the latch handle.
11. Position the trim cover to the latch handle and press until fully seated.

ROOF LIFT OFF PANEL REAR LATCH REPLACEMENT

Removal Procedure

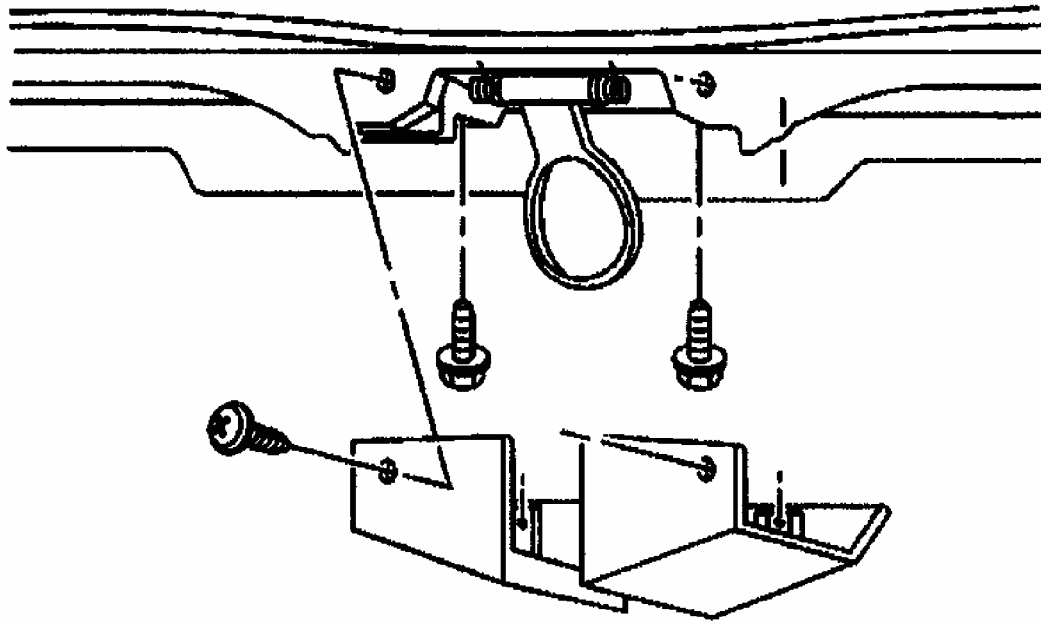
1. Remove the roof lift off panel.



G01451538

Fig. 225: Roof Lift Off Panel
Courtesy of GENERAL MOTORS CORP.

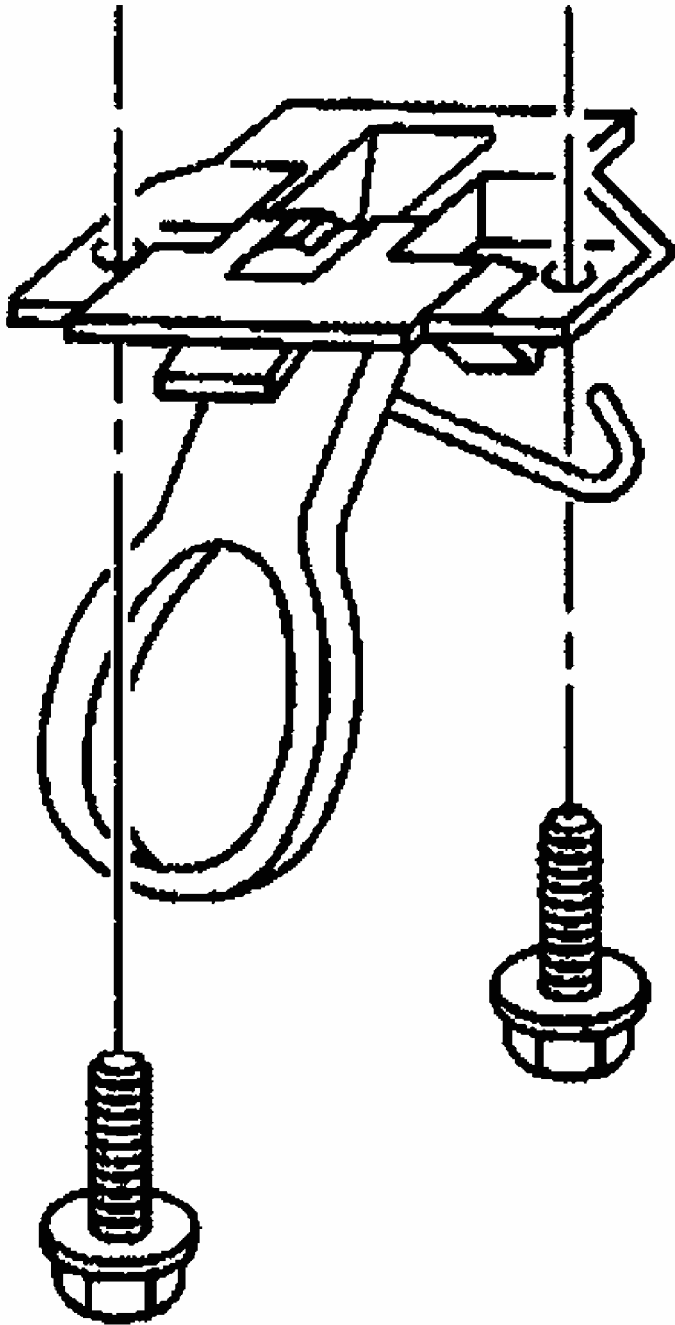
2. Remove the screws attaching the latch cover.
3. Remove the latch cover from the roof panel.



G01451539

Fig. 226: Latch Cover From Roof Panel
Courtesy of GENERAL MOTORS CORP.

4. Remove the bolts from the latch.
5. Remove the latch from the roof panel.



G01451540

Fig. 227: Latch From Roof Panel
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

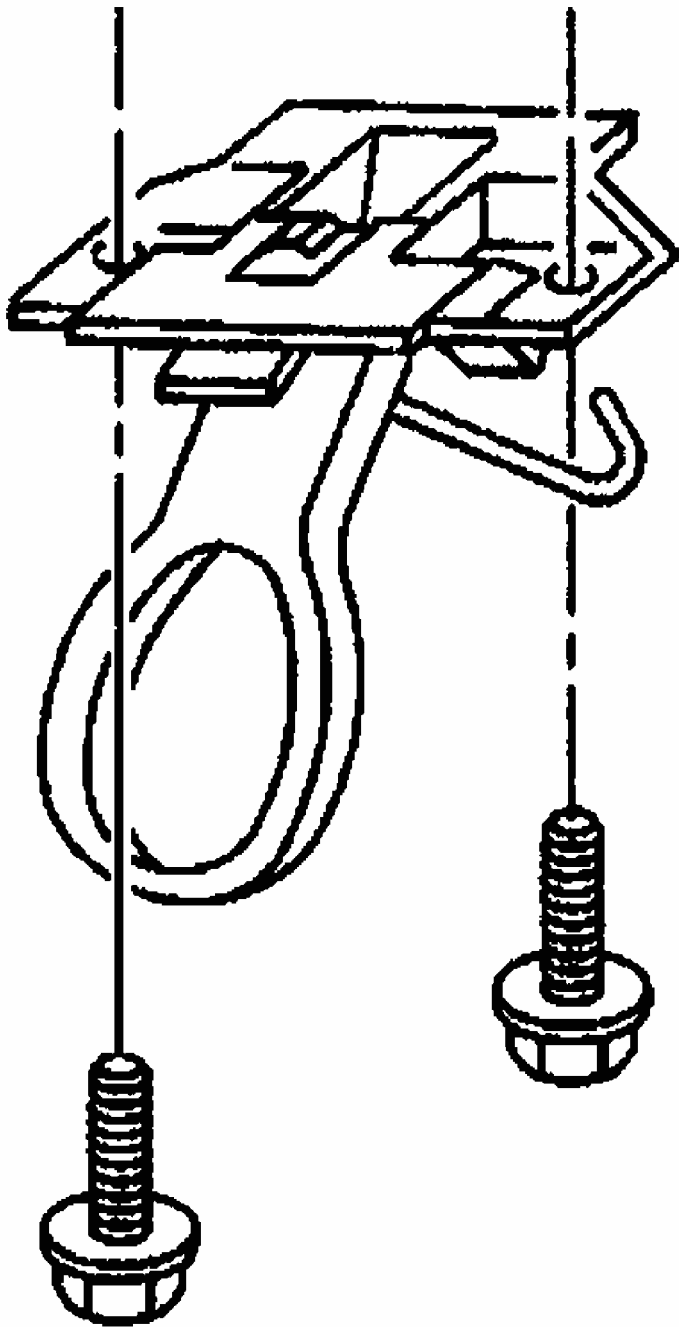
1. Position the latch to the roof panel.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices.**

2. Install the bolts to the latch.

Tighten

Tighten the roof rear latch bolts to 10 N.m (89 lb in).



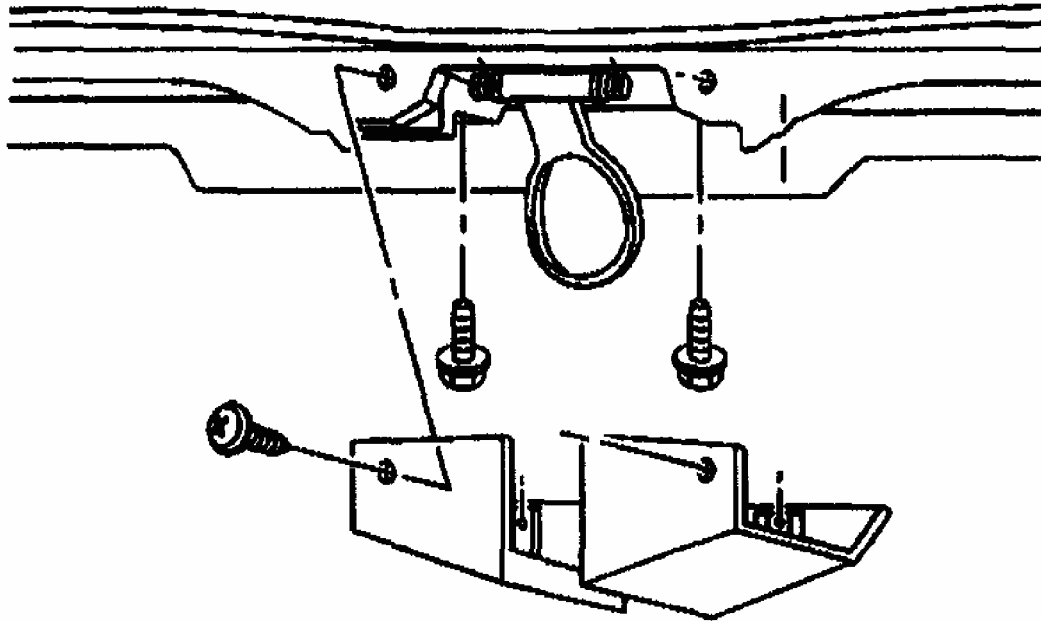
G01451541

Fig. 228: Latch To Roof Panel
Courtesy of GENERAL MOTORS CORP.

3. Install the latch cover and attaching screws.

Tighten

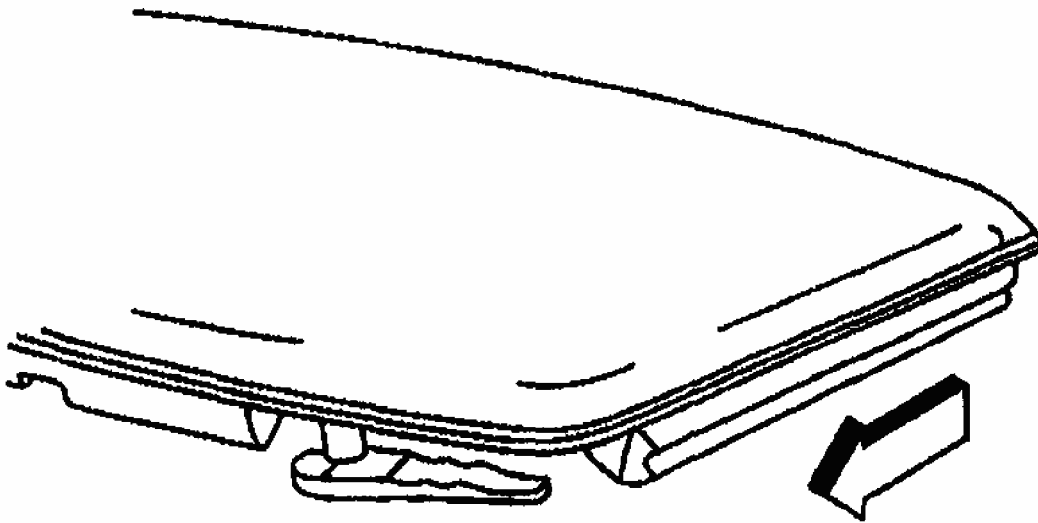
Tighten the roof rear latch cover screws to 3 N.m (27 lb in).



G01451542

Fig. 229: Latch Cover & Attaching Screws
Courtesy of GENERAL MOTORS CORP.

4. Install the roof lift off panel.
5. Adjust if necessary. Refer to **ROOF LIFT OFF PANEL ADJUSTMENT** .



G01451543

Fig. 230: Roof Lift Off Panel
Courtesy of GENERAL MOTORS CORP.

ROOF LIFT OFF PANEL REAR LOCATOR REPLACEMENT

Removal Procedure

1. Remove the rear roof bow center interior trim panel. Refer to **TRIM PANEL REPLACEMENT - REAR ROOF BOW** in Interior Trim.
2. Mark the location of the locator bracket.
3. Remove the locator bracket mounting bolts.
4. Remove the locator and bracket.
5. Mark the location of the locator.
6. Remove the locator from the bracket.

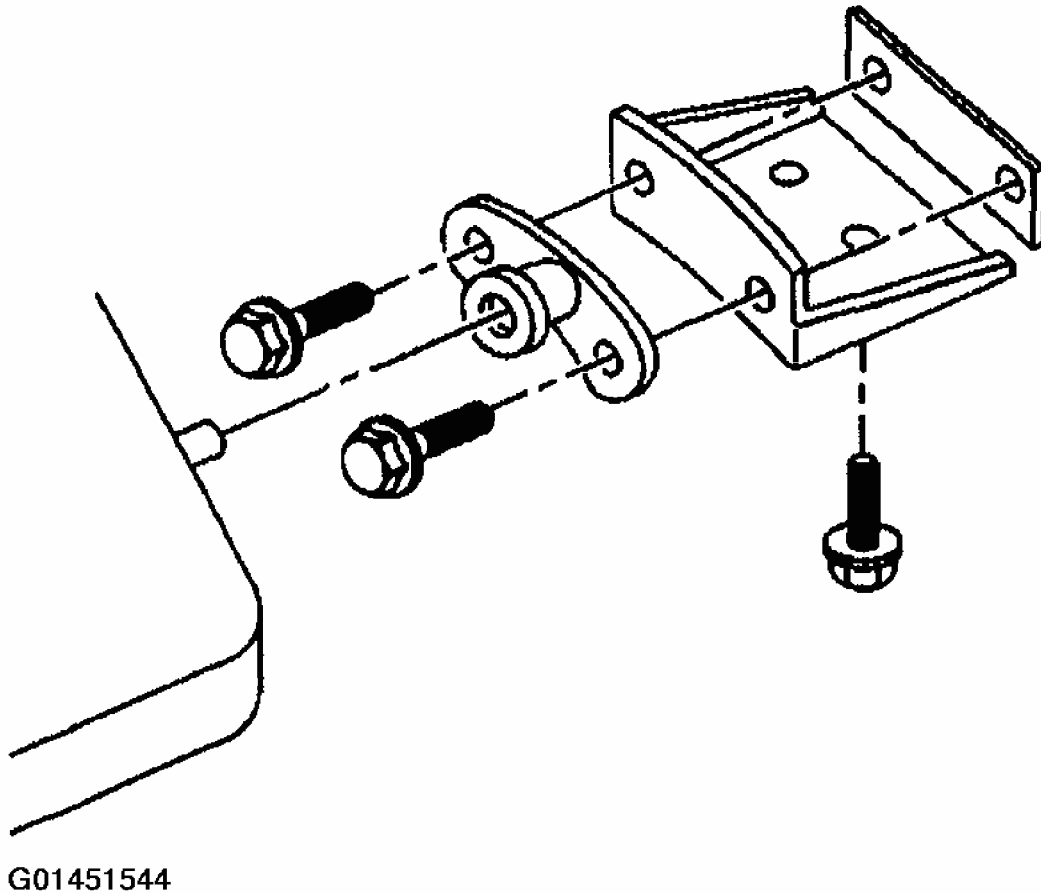


Fig. 231: Locator From Bracket
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

1. Install the rear locator to the locator bracket.

Tighten

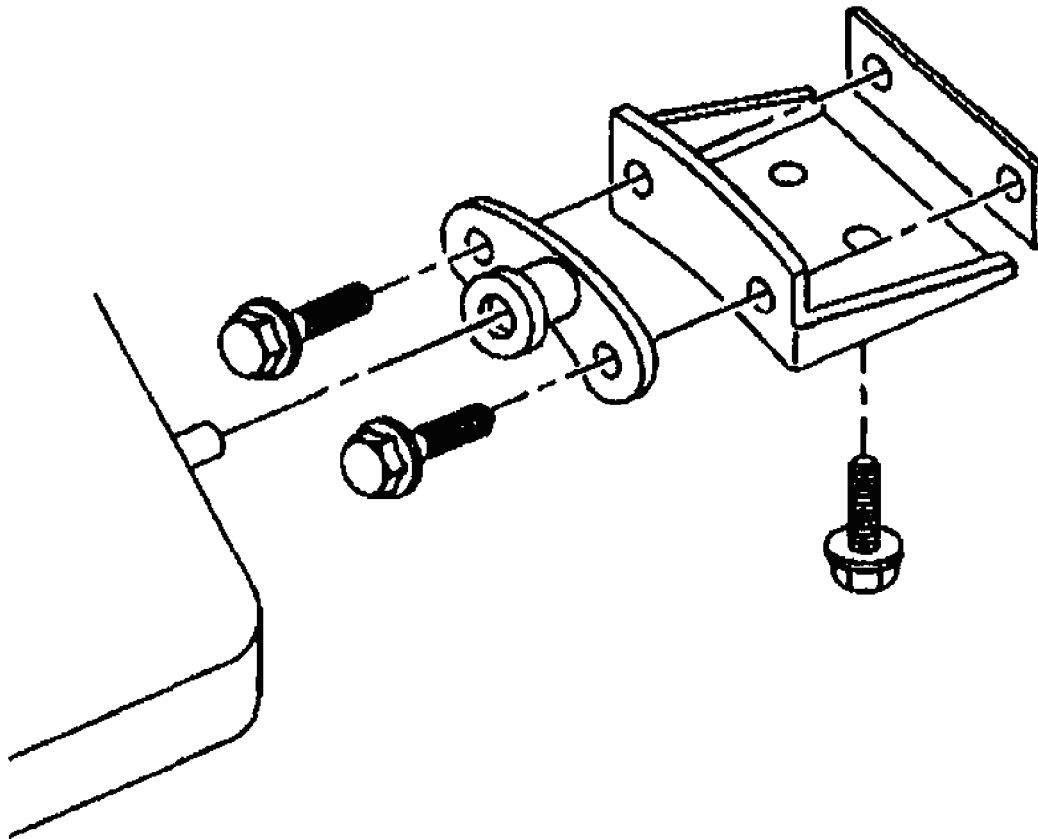
Tighten the roof rear locator to locator bracket bolts to 10 N.m (89 lb in).

2. Install the bracket with the locator to the roof center bow.

Tighten

Tighten the roof rear locator bracket bolts to 50 N.m (37 lb ft).

3. Check and adjust the roof panel as necessary. Refer to **ROOF LIFT OFF PANEL ADJUSTMENT**.
4. Install the roof bow center interior trim panel. Refer to **TRIM PANEL REPLACEMENT - REAR ROOF BOW** in Interior trim.



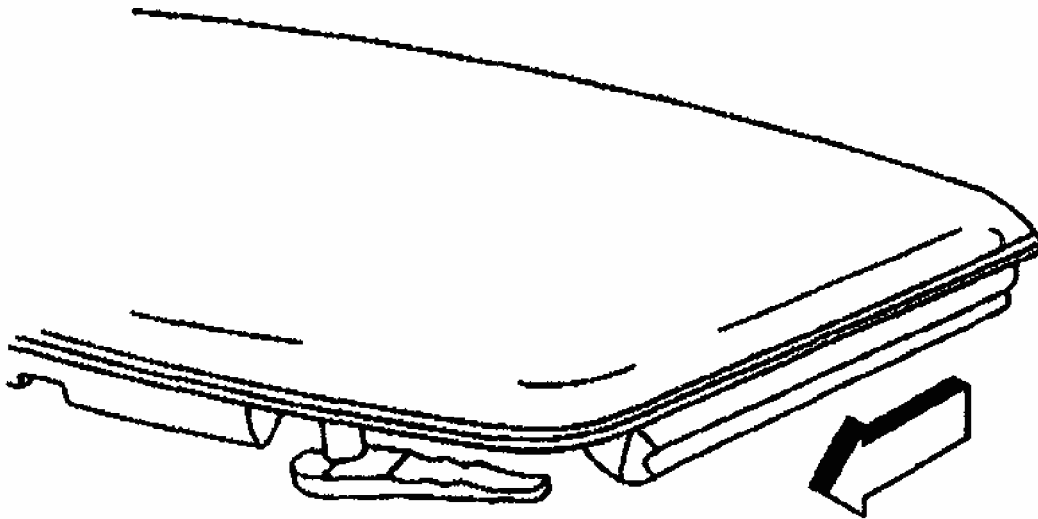
G01451545

Fig. 232: Rear Locator To Locator Bracket
Courtesy of GENERAL MOTORS CORP.

ROOF LIFT OFF PANEL REAR LOCATOR PIN REPLACEMENT

Removal Procedure

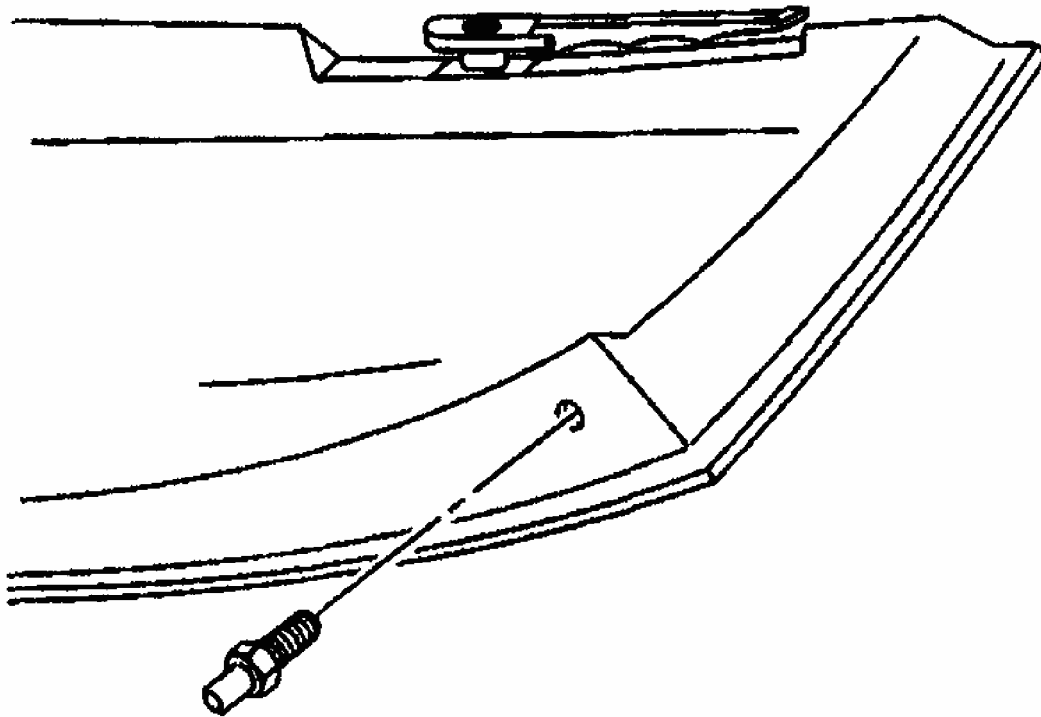
1. Remove the roof lift off panel.



G01451546

Fig. 233: Roof Lift Off Panel
Courtesy of GENERAL MOTORS CORP.

2. Remove the roof panel rear locator pin from the roof panel.



G01451547

Fig. 234: Roof Panel Rear Locator Pin From Roof Panel
Courtesy of GENERAL MOTORS CORP.

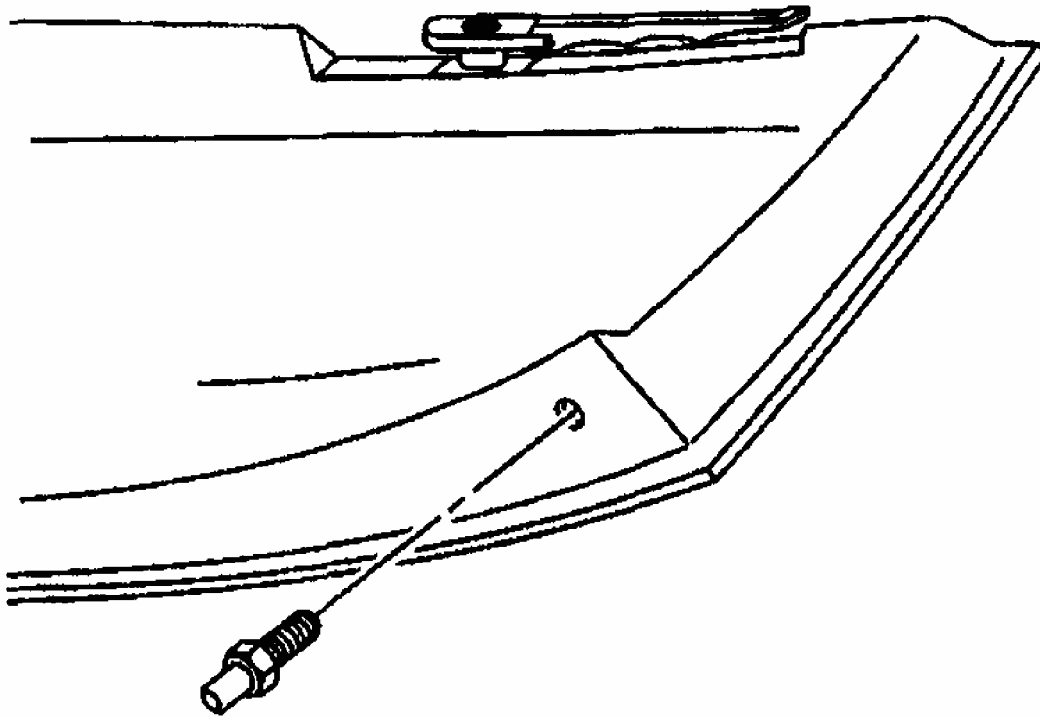
Installation Procedure

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

1. Install the rear roof panel locator pin.

Tighten

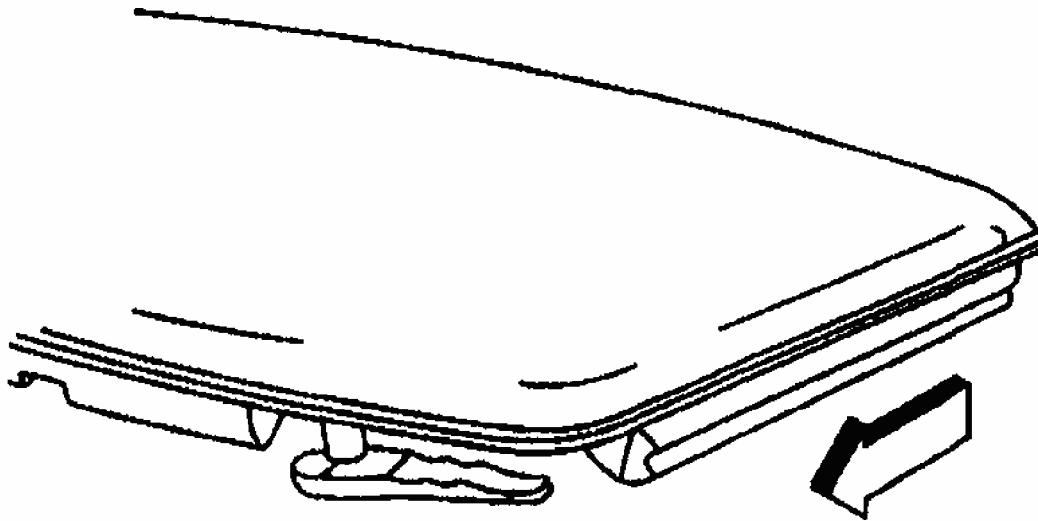
Tighten the roof rear locator pin to 25 N.m (18 lb ft).



G01451548

Fig. 235: Rear Roof Panel Locator Pin
Courtesy of GENERAL MOTORS CORP.

2. Install the roof panel.



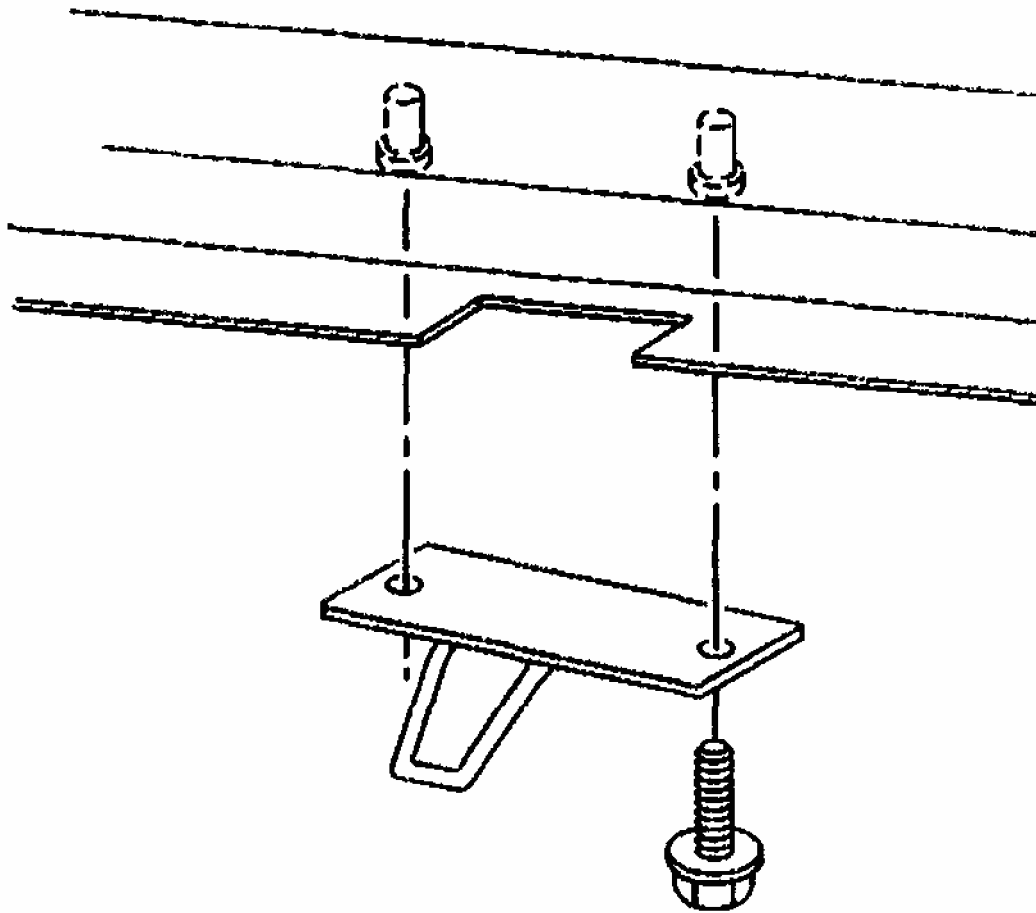
G01451549

Fig. 236: Roof Panel
Courtesy of GENERAL MOTORS CORP.

ROOF LIFT OFF PANEL REAR LATCH STRIKER REPLACEMENT

Removal Procedure

1. Remove the roof bow center interior trim panel. Refer to **TRIM PANEL REPLACEMENT - REAR ROOF BOW** in Interior Trim.
2. Mark the location of the striker.
3. Remove the bolts attaching the striker.
4. Remove the striker.



G01451550

Fig. 237: Bolts Attaching Striker
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Position the striker to the marks made before removal.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

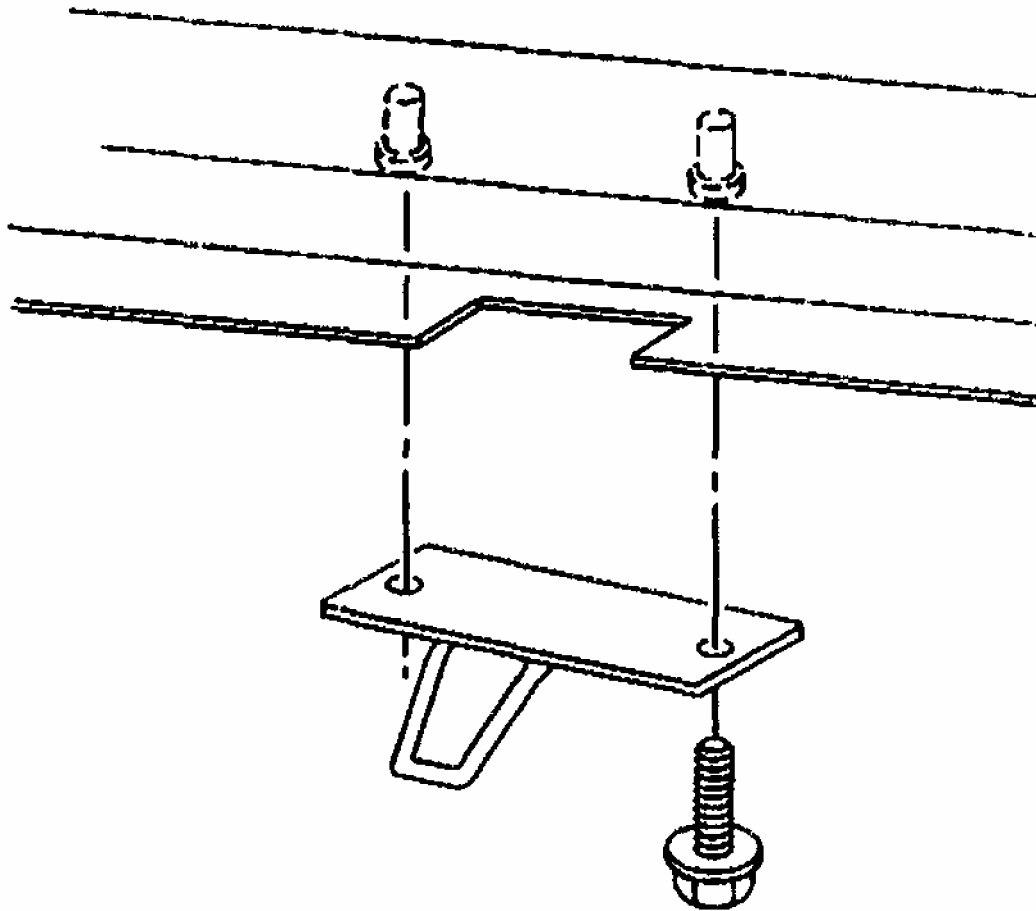
2. Install the striker attaching bolts.

Tighten

Tighten the roof rear latch striker bolts to 10 N.m (89 lb in).

3. Install the roof bow center interior trim panel. Refer to **TRIM PANEL**

REPLACEMENT - REAR ROOF BOW in Interior Trim.



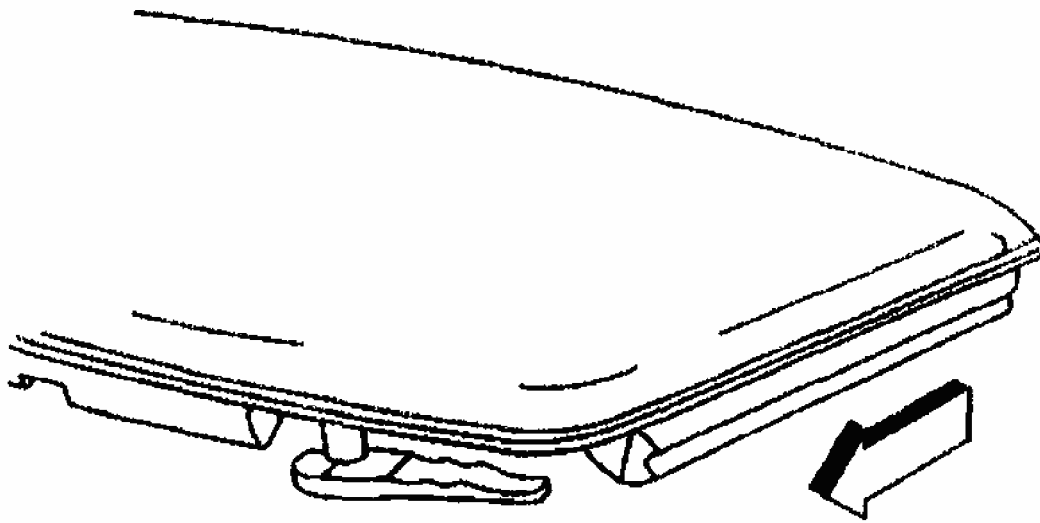
G01451551

Fig. 238: Striker Attaching Bolts
Courtesy of GENERAL MOTORS CORP.

ROOF LIFT OFF PANEL FRONT LATCH HANDLE STRIKER

Removal Procedure

1. Remove the roof panel.

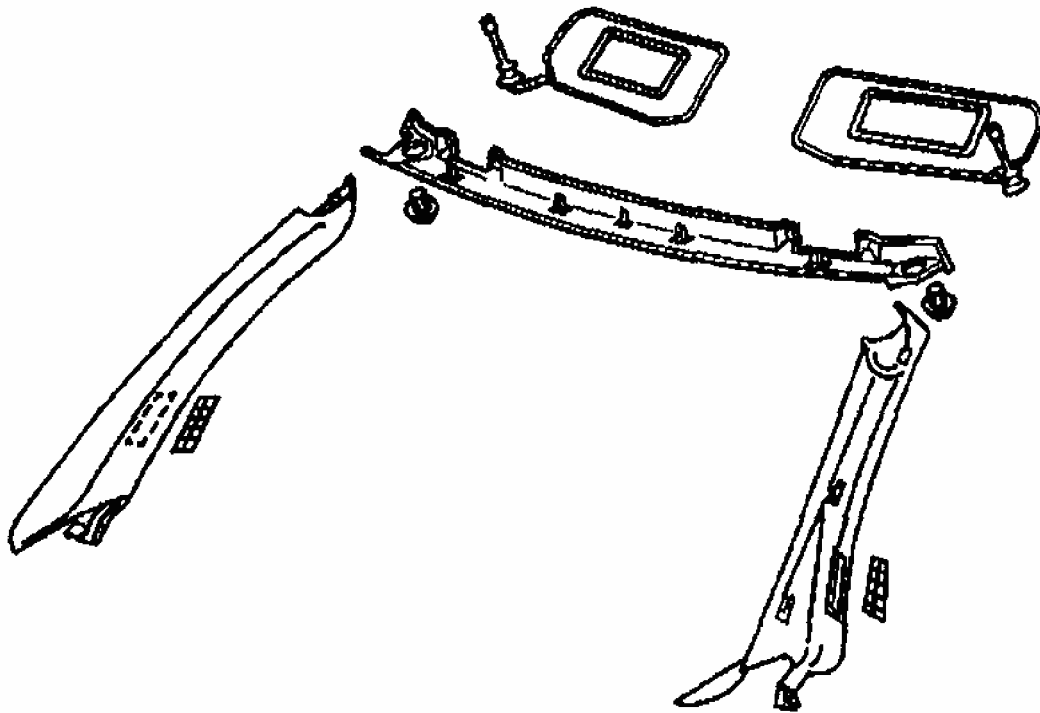


G01451552

Fig. 239: Roof Panel

Courtesy of GENERAL MOTORS CORP.

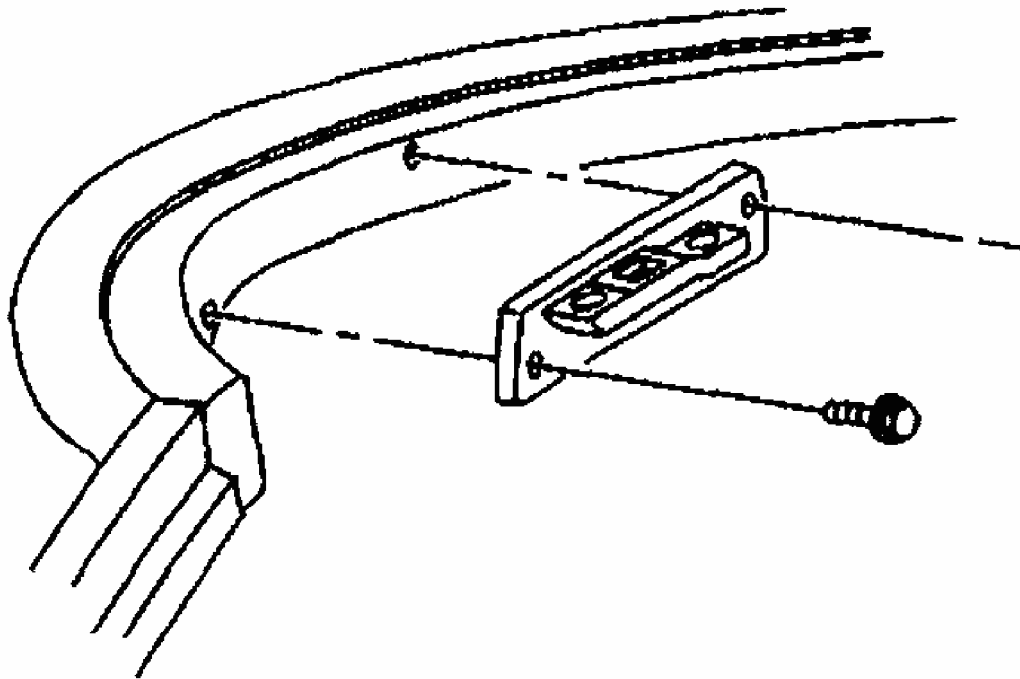
2. Remove the sunshade. Refer to **SUNSHADE REPLACEMENT** in Interior Trim.
3. Remove the side and upper garnish moldings. Refer to **WINDSHIELD UPPER GARNISH MOLDING REPLACEMENT** in Interior Trim.



G01451553

Fig. 240: Side & Upper Garnish Moldings
Courtesy of GENERAL MOTORS CORP.

4. Mark the location of the striker to aid in installation.
5. Remove the bolts attaching the striker.
6. Remove the striker.



G01451554

Fig. 241: Bolts Attaching Striker
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

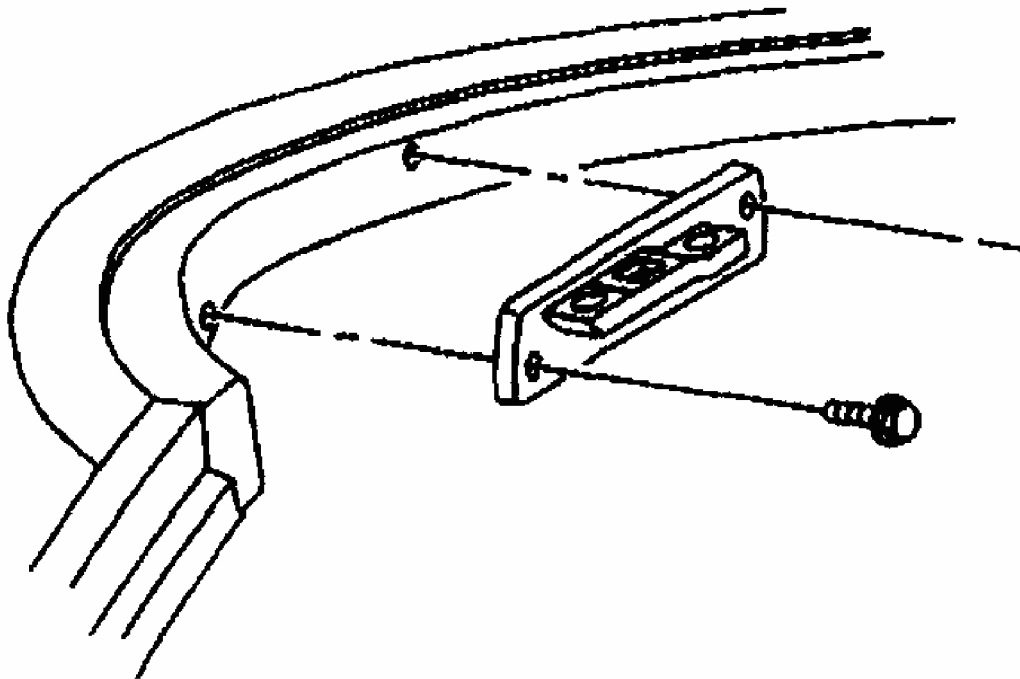
1. Align the striker with the marks made before removal.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

2. Install the striker attaching bolts.

Tighten

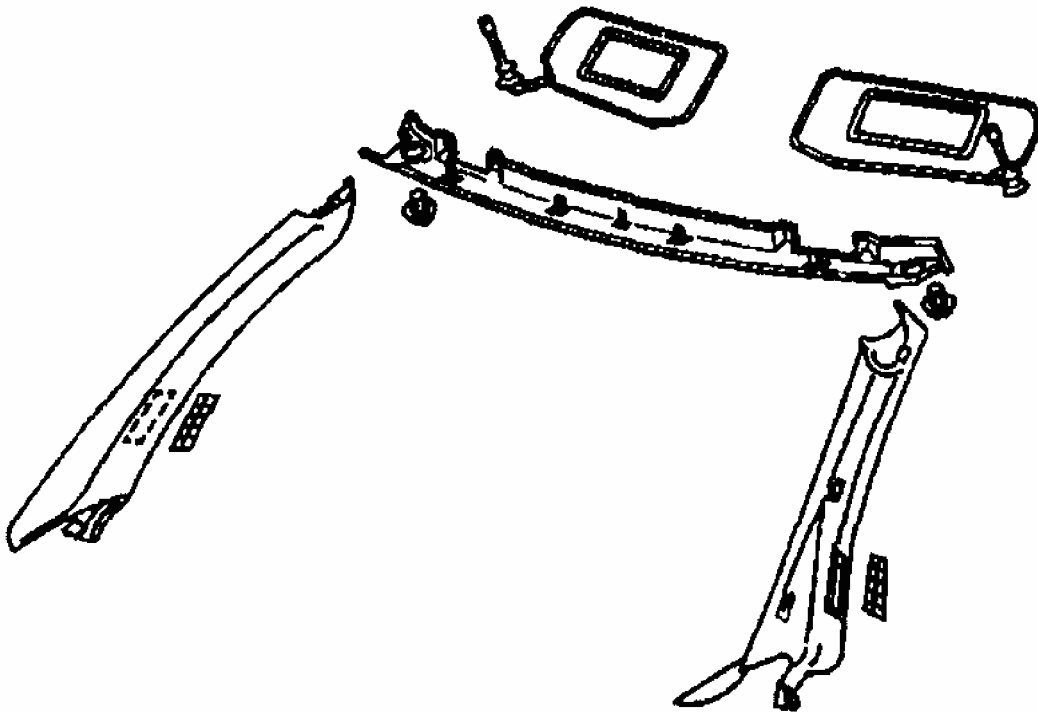
Tighten the roof front latch handle striker bolts to 10 N.m (89 lb in).



G01451555

Fig. 242: Striker Attaching Bolts
Courtesy of GENERAL MOTORS CORP.

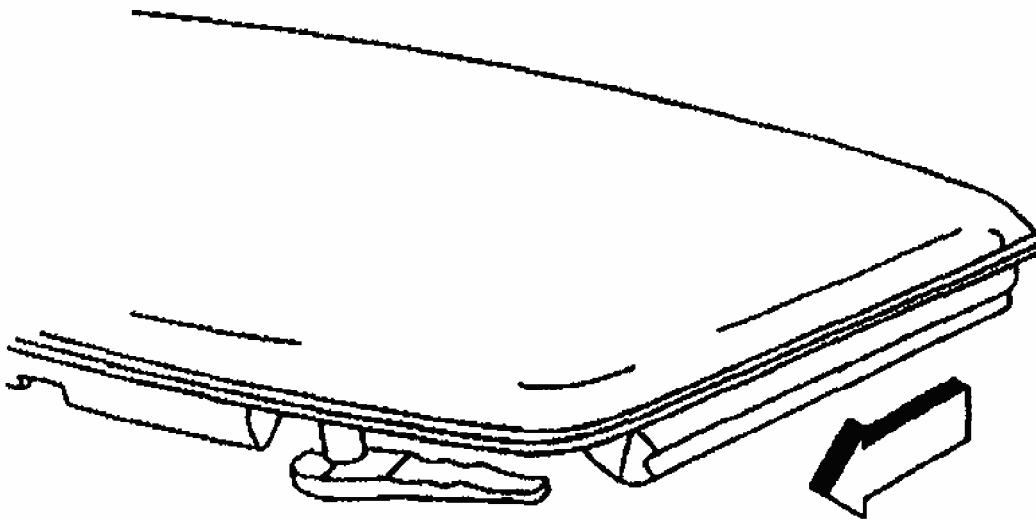
3. Install the upper and side garnish moldings. Refer to **WINDSHIELD UPPER GARNISH MOLDING REPLACEMENT** in Interior Trim.
4. Install the sunshade. Refer to **SUNSHADE REPLACEMENT** in Interior Trim.



G01451556

Fig. 243: Upper & Side Garnish Moldings
Courtesy of GENERAL MOTORS CORP.

5. Install the roof panel.
6. Adjust if necessary. Refer to **ROOF LIFT OFF PANEL ADJUSTMENT** .

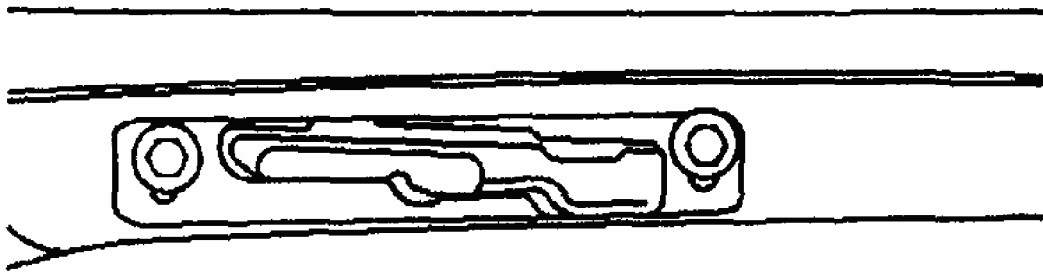


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Fig. 244: Roof Panel
Courtesy of GENERAL MOTORS CORP.

ROOF LIFT OFF PANEL ADJUSTMENT

1. Perform one or more of the following five adjustment procedures to properly align the roof lift off panel.
2. To adjust the front striker for up down roof alignment perform the following steps:
3. Remove the windshield upper garnish molding. Refer to **WINDSHIELD UPPER GARNISH MOLDING REPLACEMENT** in Interior Trim.
 1. For major up down roof adjustment loosen the striker bolts and reposition the latch striker up or down.
 2. For minor up or down roof adjustment loosen the striker outboard bolt and slightly loosen the inboard bolt, pivot the striker on the inboard bolt in 2 mm (0.08 in) increments up or down.



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Fig. 245: Adjusting Front Striker For Up Down Roof Alignment
 Courtesy of GENERAL MOTORS CORP.

NOTE: Refer to **FASTENER NOTICE** in Cautions and Notices.

3. Tighten the striker bolts.

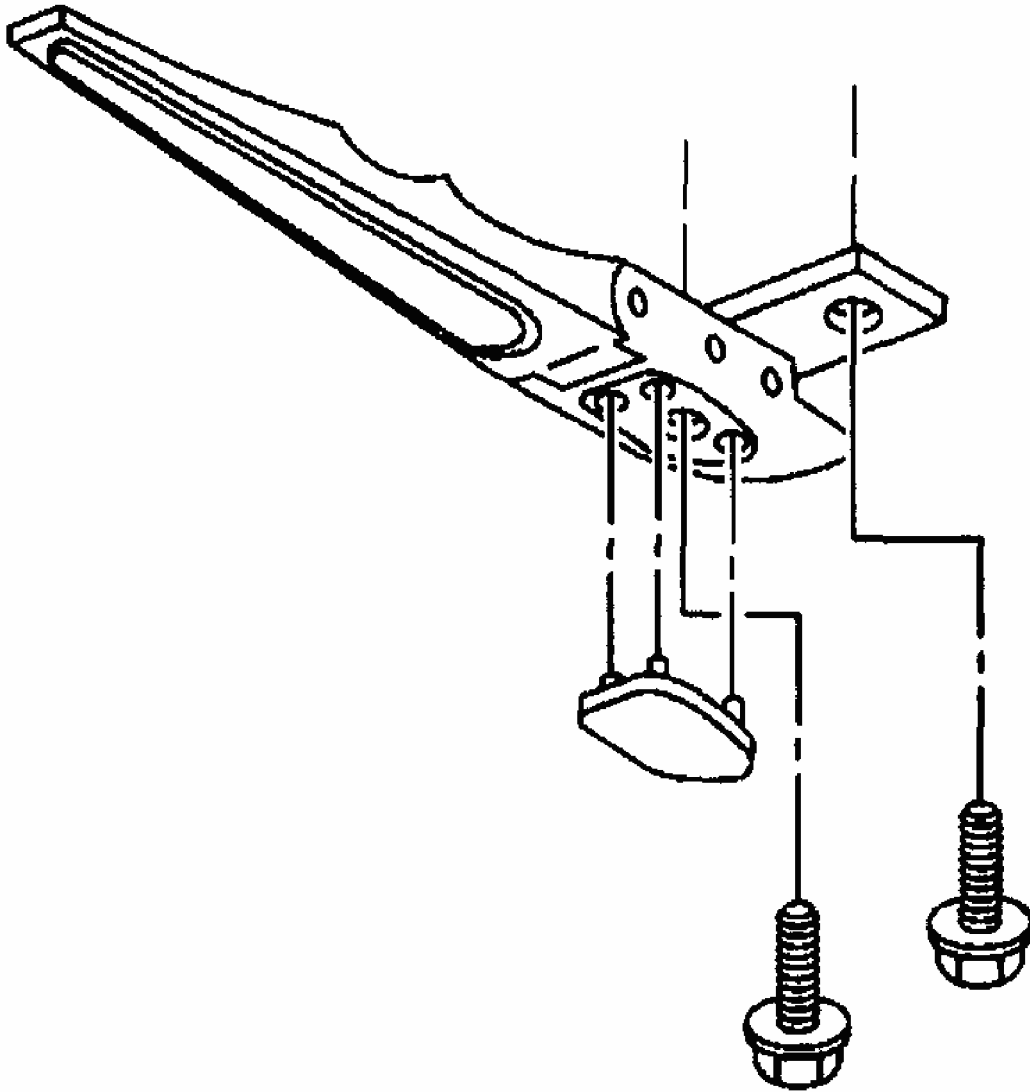
Tighten

Tighten the roof front latch handle striker bolts to 10 N.m (89 lb in).

4. When the striker is properly adjusted the handle will snap closed.
4. Install the windshield upper garnish molding. Refer to **WINDSHIELD UPPER GARNISH MOLDING REPLACEMENT** in Interior Trim.
5. To adjust the front latch handle forward or rearward perform the following steps:
 1. Loosen the latch handle bolts.
 2. Position the latch handle forward or rearward. Maintain a minimum of 2 mm (0.08 in) clearance between latch handle and the latch striker to avoid squeaks and rattles.
 3. Assure the latch handle base is parallel to the striker to provide clearance to the sunshade mirror door.
 4. Tighten the latch handle bolts.

Tighten

Tighten the roof front latch handle bolts to 13 N.m (10 lb ft).



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Fig. 246: Latch Handle To Roof
Courtesy of GENERAL MOTORS CORP.

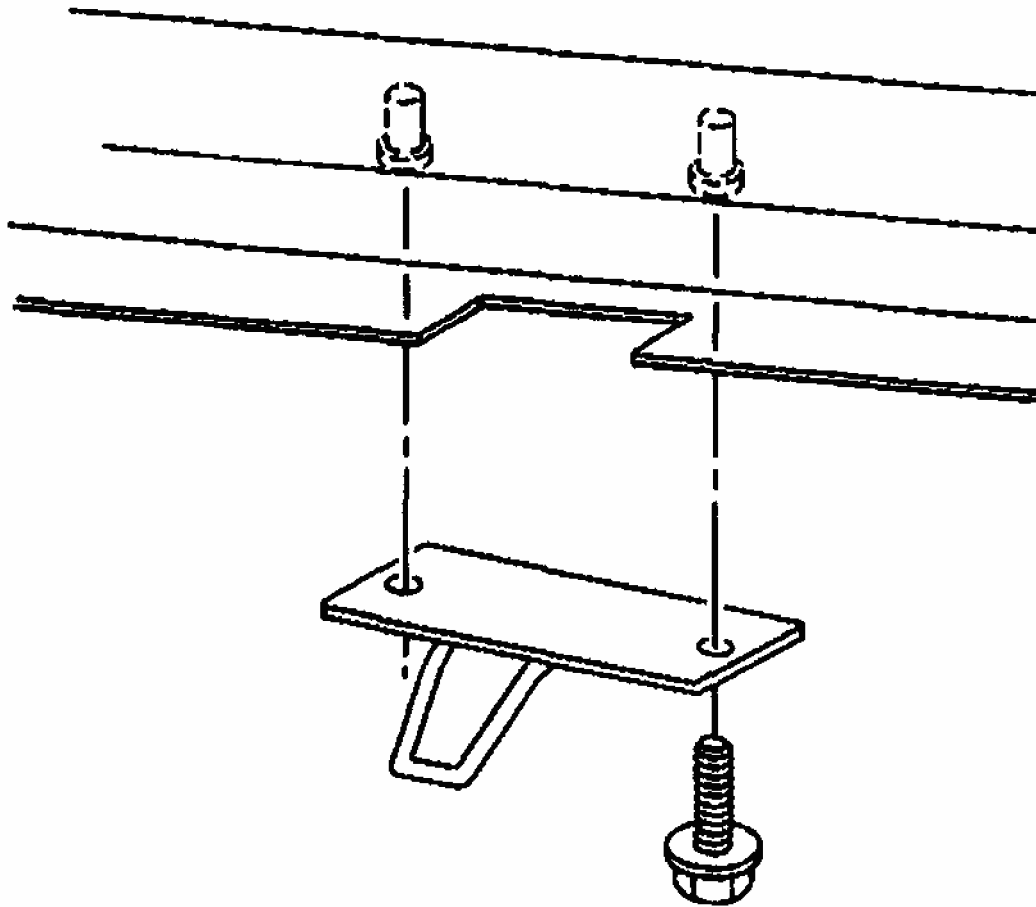
6. For major rear latch adjustment adjust the rear latch striker performing the following steps:
 1. Remove the roof lift off panel.
 2. Remove the roof bow center interior trim panel. Refer to **TRIM PANEL REPLACEMENT - REAR ROOF BOW** in Interior Trim.
 3. Loosen the rear latch striker attaching bolts.
 4. Adjust the position of the latch striker forward or rearward for major adjustment.

5. Tighten the striker attaching bolts.

Tighten

Tighten the roof rear striker bolts to 10 N.m (89 lb in).

6. Install the roof lift off panel.



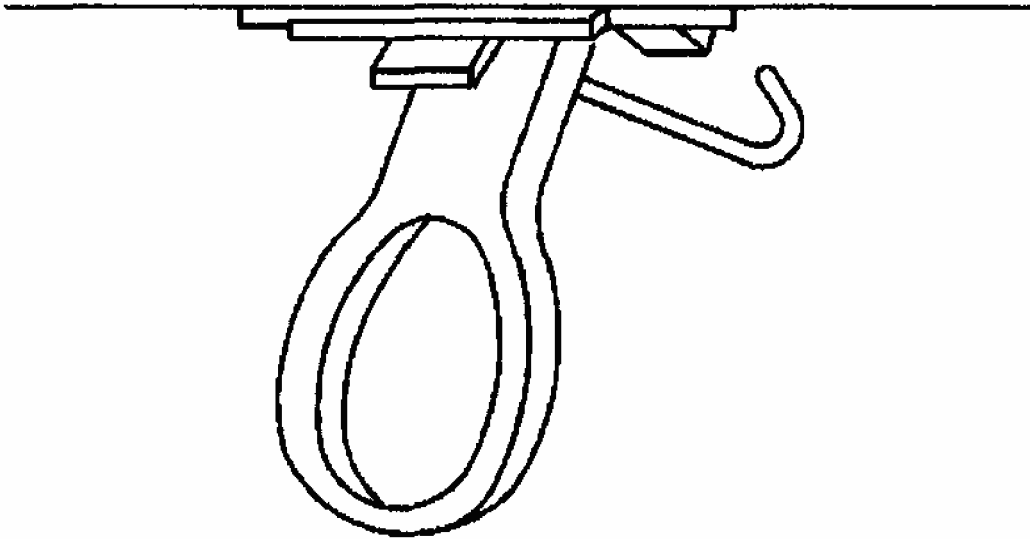
G01451560

Fig. 247: Striker

Courtesy of GENERAL MOTORS CORP.

7. For minor rear latch adjustment, adjust the latch handle hook one turn at a time to achieve moderate pressure to the latch as follows.
 1. Remove the roof lift off panel.
 2. Loosen the set screw locking the latch hook.
 3. Turn the hook in to tighten or out to loosen.

4. Tighten the set screw.
5. Install the roof panel.



G01451561

Fig. 248: Adjusting Latch Handle Hook
Courtesy of GENERAL MOTORS CORP.

8. To adjust the rear locator perform the following steps:
 1. With the roof installed on the vehicle loosen the locator mounting bolts.
 2. Reposition the locator.
 3. Tighten the mounting bolts.

Tighten

Tighten the roof rear locator to locator bracket bolts to 10 N.m (89 lb in).

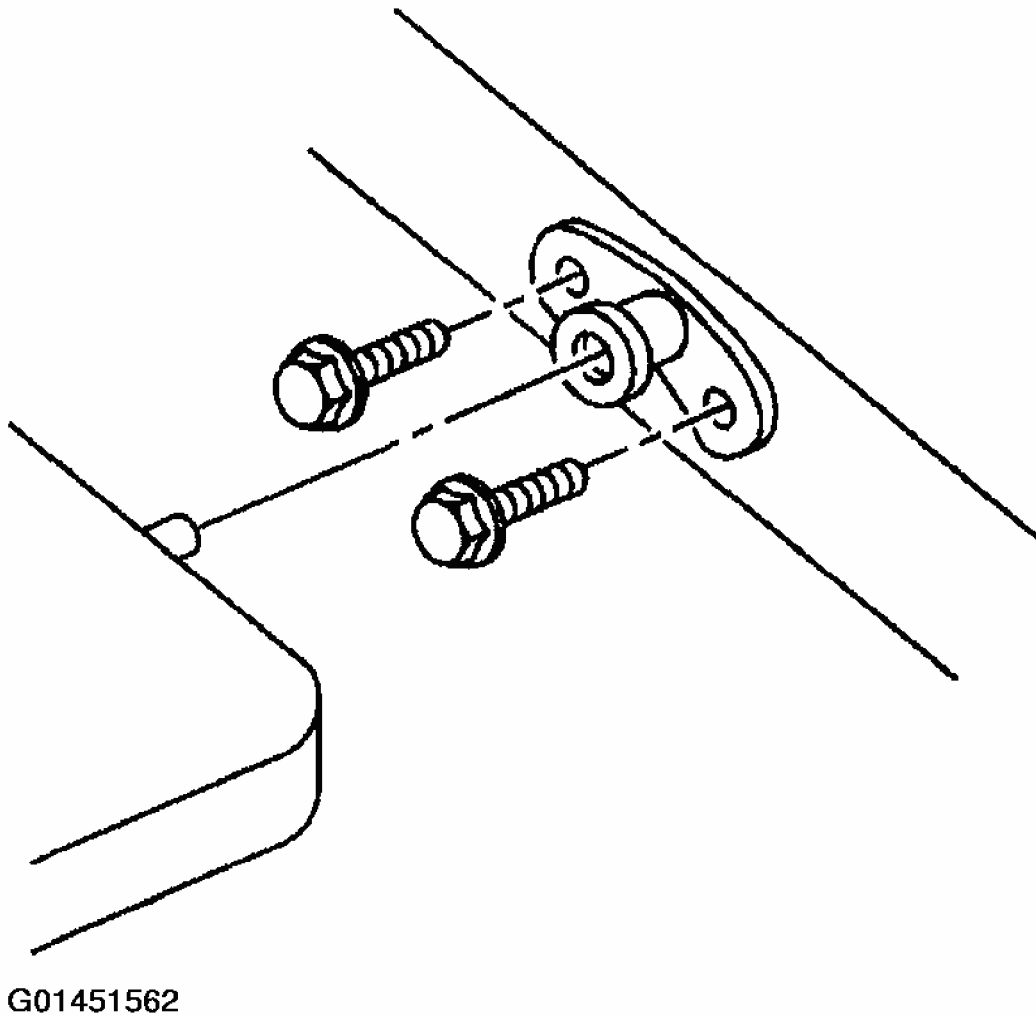
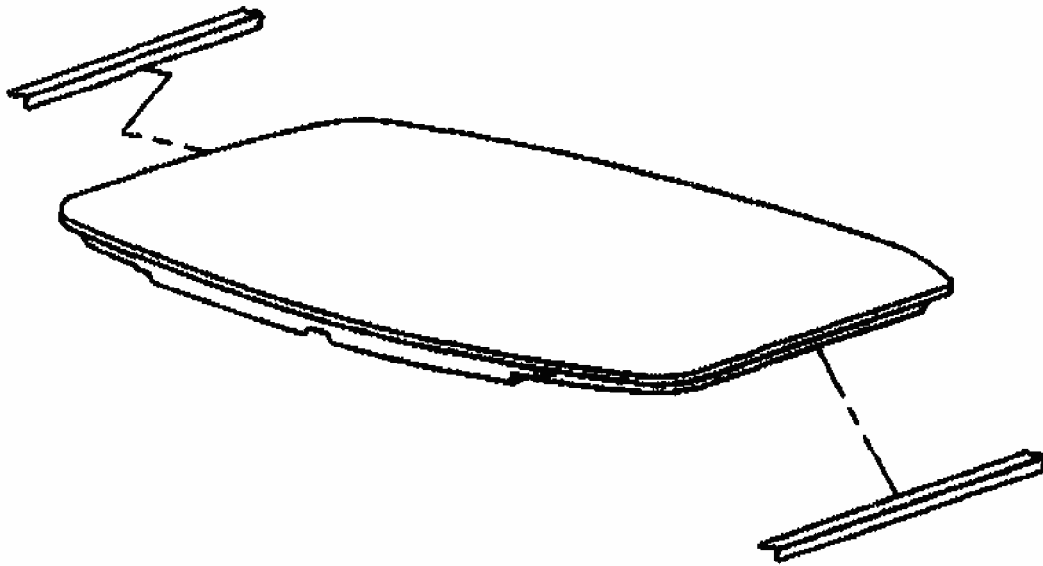


Fig. 249: Adjusting Rear Locator
Courtesy of GENERAL MOTORS CORP.

ROOF LIFT OFF PANEL MOLDING REPLACEMENT

Removal Procedure

1. Apply tape to the edge of the roof panel to protect the panel.
2. Remove the molding by placing a block of wood against the molding and tapping the block of wood with a hammer.

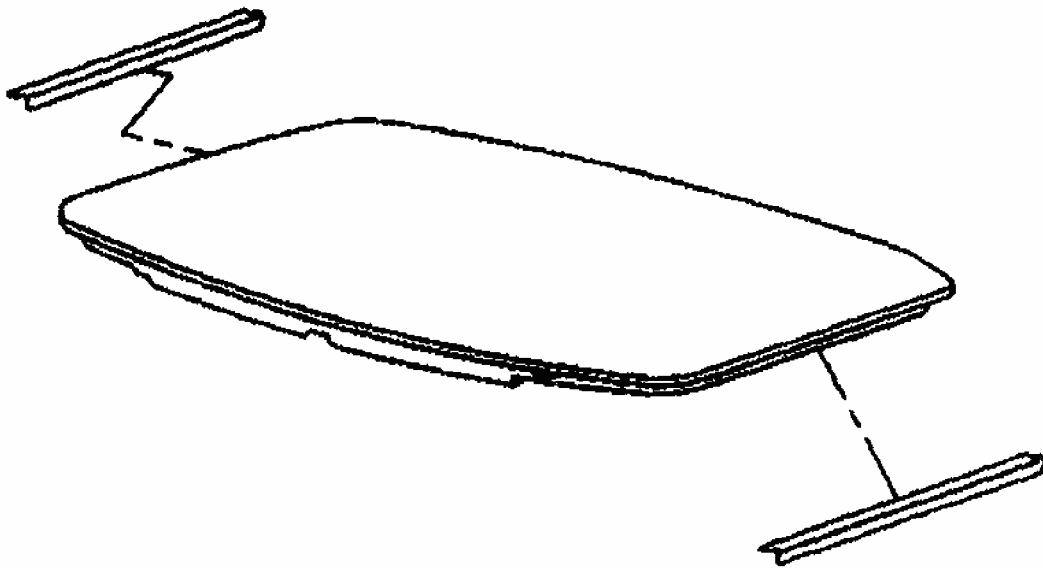


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**Fig. 250: Removing Molding By Placing Block Of Wood Against Molding
Courtesy of GENERAL MOTORS CORP.**

Installation Procedure

1. Align the locator on the molding to the corresponding locator on the edge of the roof panel.
2. Install the molding by lightly tapping with a rubber mallet until fully seated.
3. Remove the protective tape from the roof panel.



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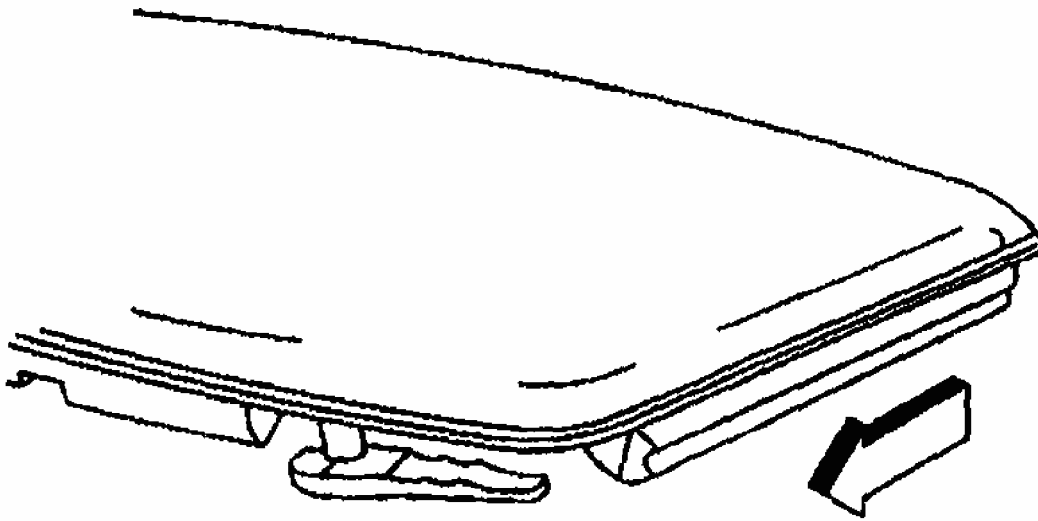
Fig. 251: Installing Molding By Lightly Tapping With Rubber Mallet Until Fully Seated

Courtesy of GENERAL MOTORS CORP.

WEATHERSTRIP REPLACEMENT - LIFT OFF PANEL

Removal Procedure

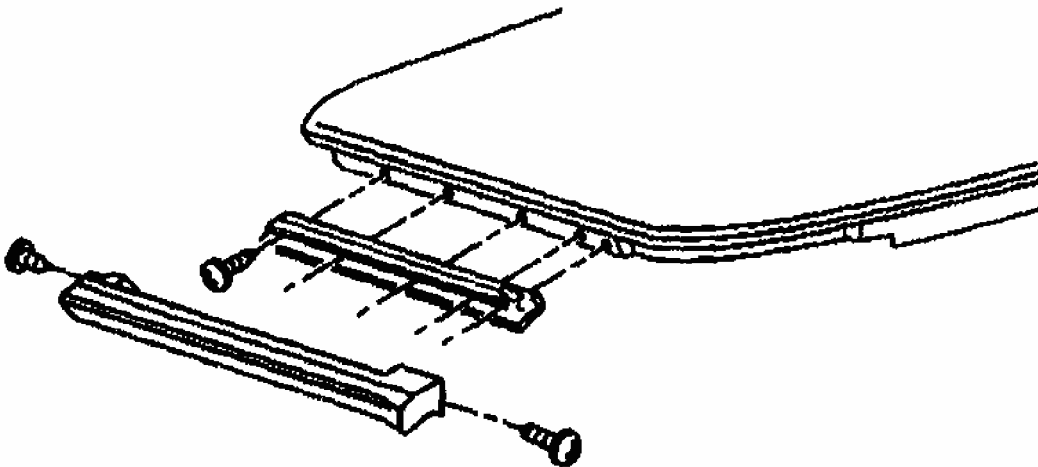
1. Remove the roof lift off panel.



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Fig. 252: Roof Lift Off Panel
Courtesy of GENERAL MOTORS CORP.

2. Remove the screws from the ends of the weatherstrip.
3. Remove the weatherstrip from the weatherstrip retainer.
4. Clean the surface with 3M(tm) adhesive remover P/N 8984 or equivalent.

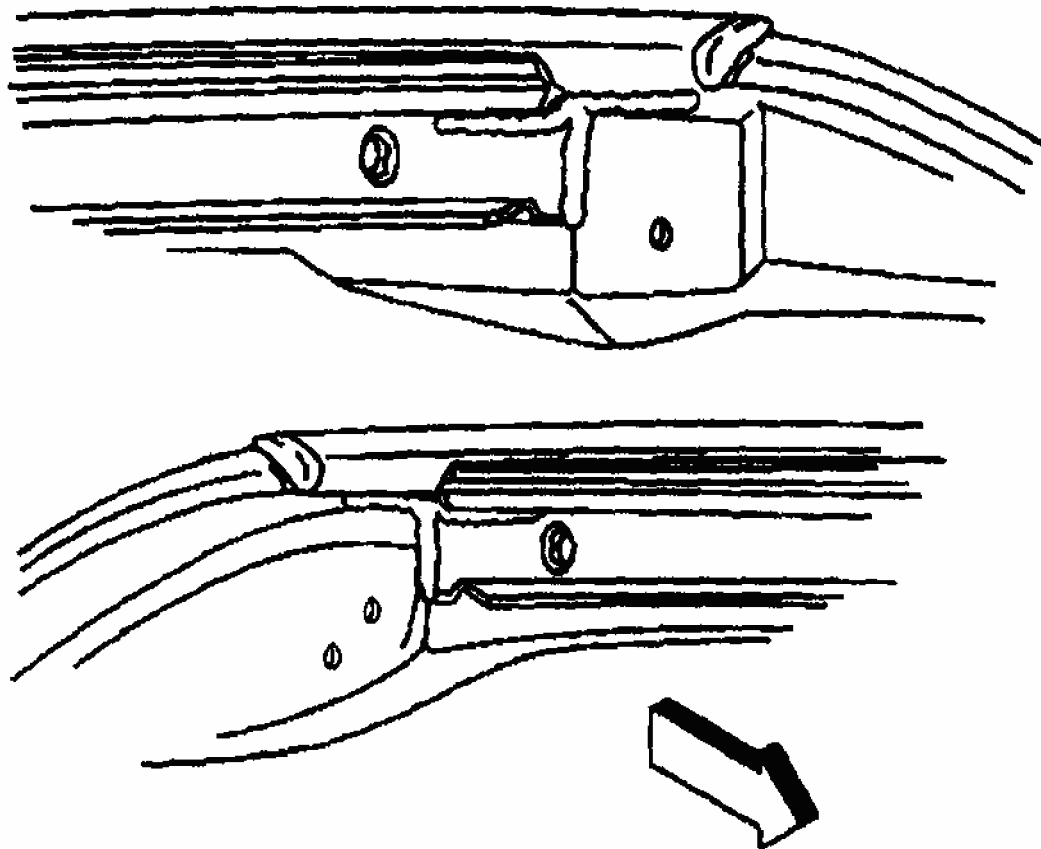


G01451566

Fig. 253: Weatherstrip From Weatherstrip Retainer
Courtesy of GENERAL MOTORS CORP.

Installation Procedure

1. Apply a 6.0 X 40 mm (0.25 X 1.5 in) bead of sealer GM P/N 12345739 Canadian P/N 1053541 to the front and rear corners of the retainer as shown in the illustration.
 - Apply the bead of sealer to the roof.
 - Apply the bead of sealer to the retainer.
 - Apply the bead of sealer to the ends of the retainer.



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Fig. 254: Applying Bead Of Sealer To Retainer & Roof
Courtesy of GENERAL MOTORS CORP.

Important: Do not touch the adhesive backing on the new weatherstrip.

2. Remove the protective backing from the foam tape on the ends of the new weatherstrip, or install two sided tape 3M(tm) P/N 06377 or equivalent to the ends of a reused weatherstrip.
3. Install the weatherstrip into the retainer using a nylon spatula or your fingers. Start at

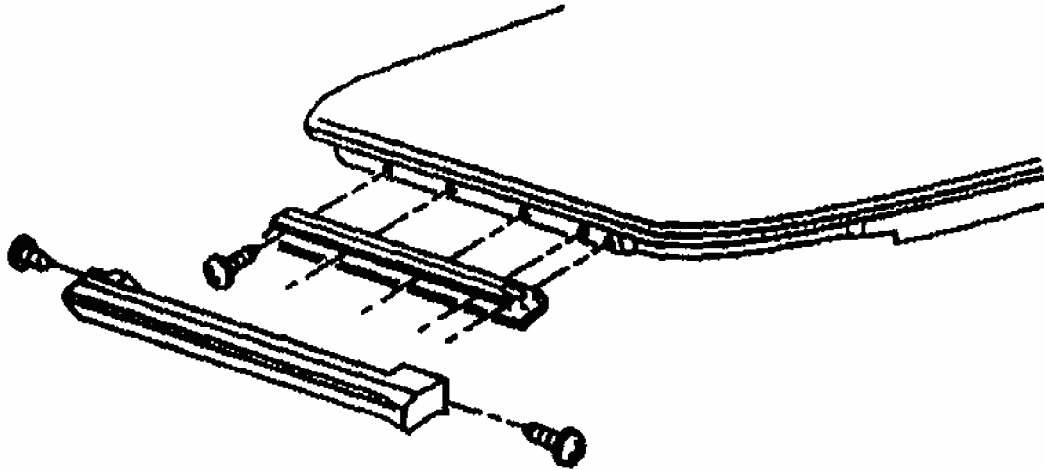
the forward edge and work rearward.

NOTE: Refer to **FASTENER NOTICE** in **Cautions and Notices**.

4. Install the screws at the ends of the weatherstrip. Hold the weatherstrip to prevent the weatherstrip from rotating.

Tighten

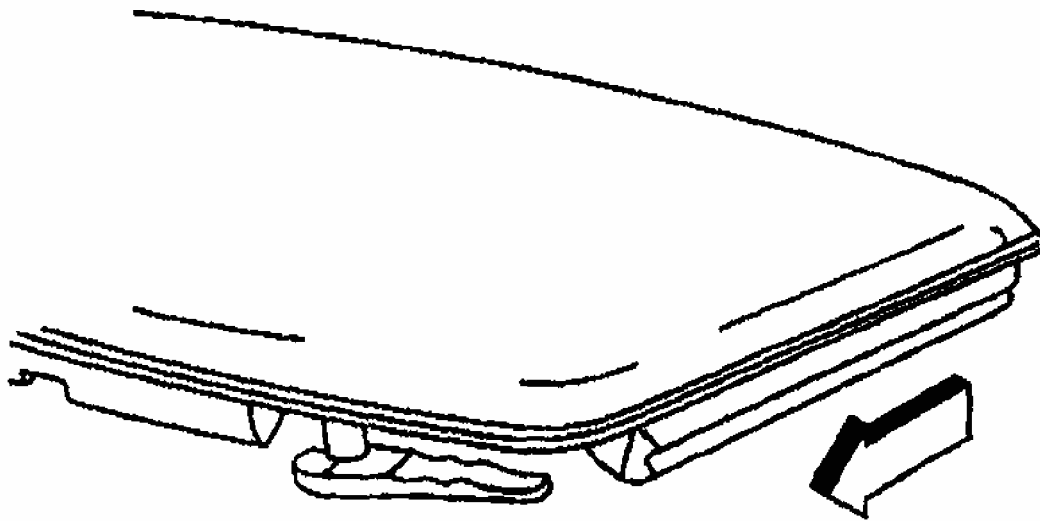
Tighten the side weatherstrip screws to 3 N.m (27 lb in).



G01451568

Fig. 255: Weatherstrip Into Retainer
Courtesy of GENERAL MOTORS CORP.

5. Install the roof panel.



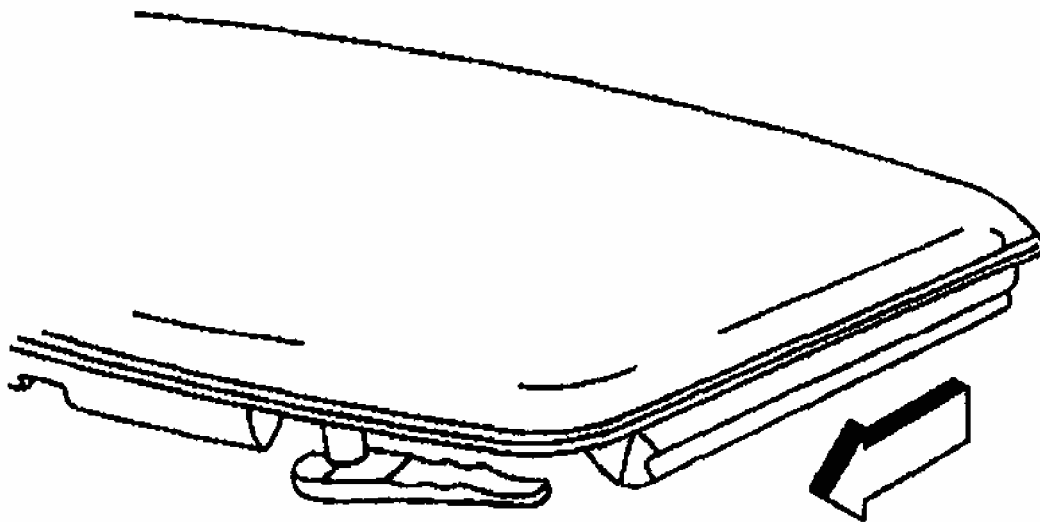
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Fig. 256: Roof Panel
Courtesy of GENERAL MOTORS CORP.

WEATHERSTRIP RETAINER REPLACEMENT - LIFT OFF PANEL

Removal Procedure

1. Remove the roof panel.

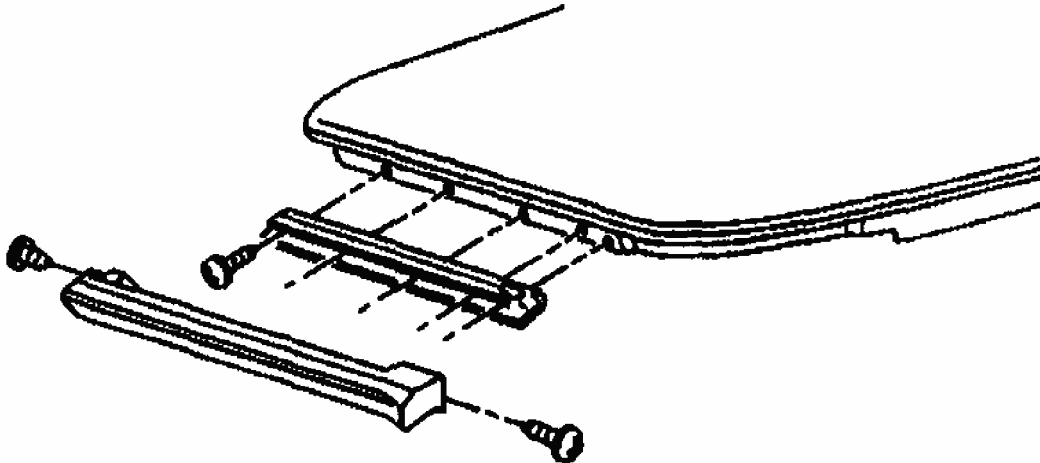


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Fig. 257: Roof Panel

Courtesy of GENERAL MOTORS CORP.

2. Remove the side weatherstrip. Refer to WEATHERSTRIP REPLACEMENT - LIFT OFF PANEL .
3. Mark the location of the retainer.
4. Remove the screws attaching the retainer.
5. Remove the retainer by pulling the retainer loose from the roof panel.
6. Clean the retainer and the roof panel contact surfaces using 3M(tm) adhesive remover P/N 8984 or equivalent.



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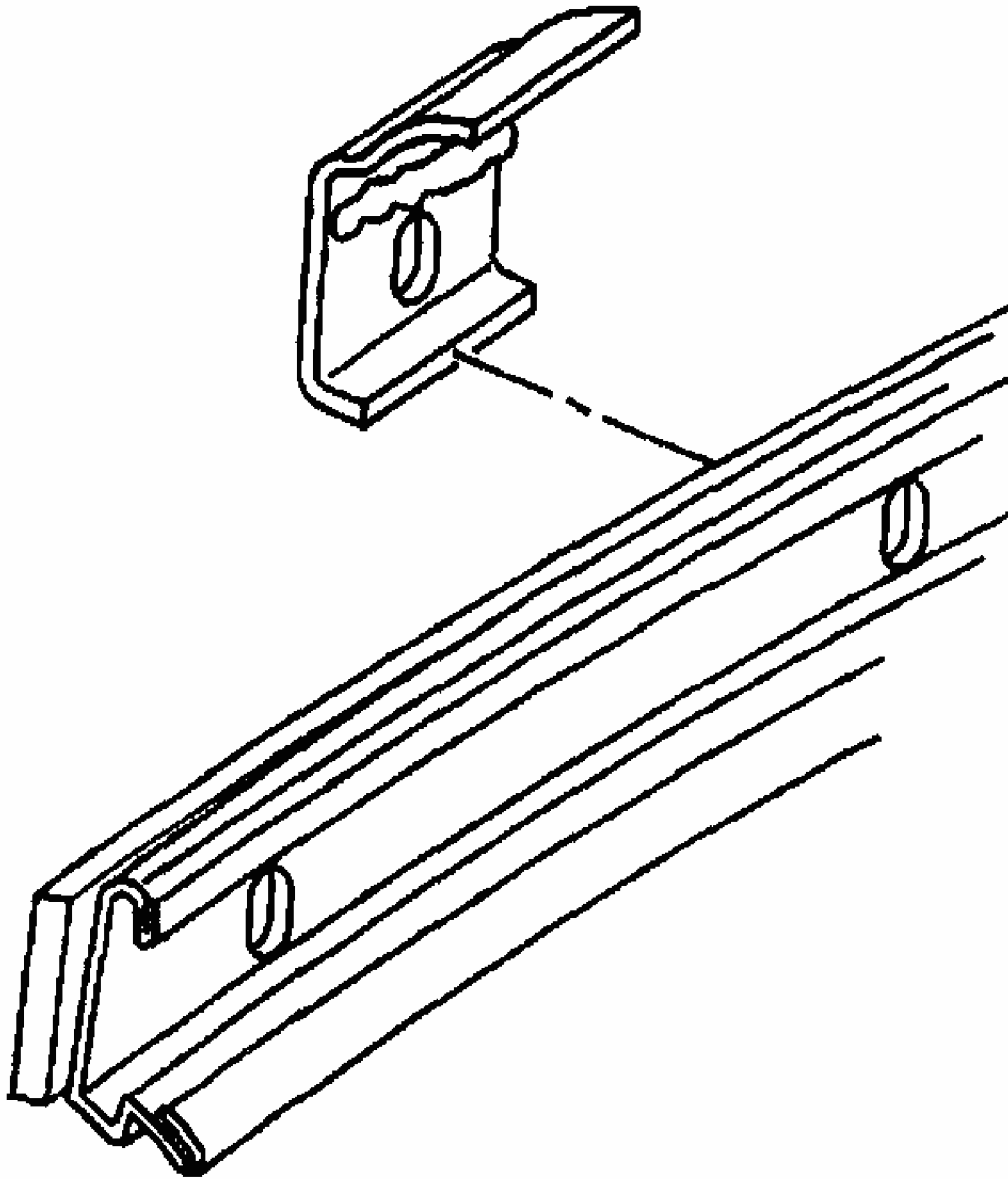
Fig. 258: Screws Attaching Retainer

Courtesy of GENERAL MOTORS CORP.

Installation Procedure

Important: A minimum of 2 mm (0.08 in) of foam sealing tape must extend beyond the edge of the retainer to prevent water leaks.

1. Apply foam sealing tape to a reusable retainer.
2. Apply a bead of sealer GM P/N 12345739 Canadian P/N 10953541 across the front of the window blow out clip above the screw hole as shown in the illustration.
3. Install the clip to the retainer aligning the clip to the front hole in the retainer.



G01451572

Fig. 259: Clip To Retainer Aligning Clip To Front Hole In Retainer
Courtesy of GENERAL MOTORS CORP.

4. Apply a bead of sealer GM P/N 12345739 Canadian P/N 10953541 across the full length of the back of the retainer outside the screw holes as shown in the illustration.
5. Position the retainer to the marks made before removal.

NOTE: Refer to **FASTENER NOTICE** in Cautions and

Notices.

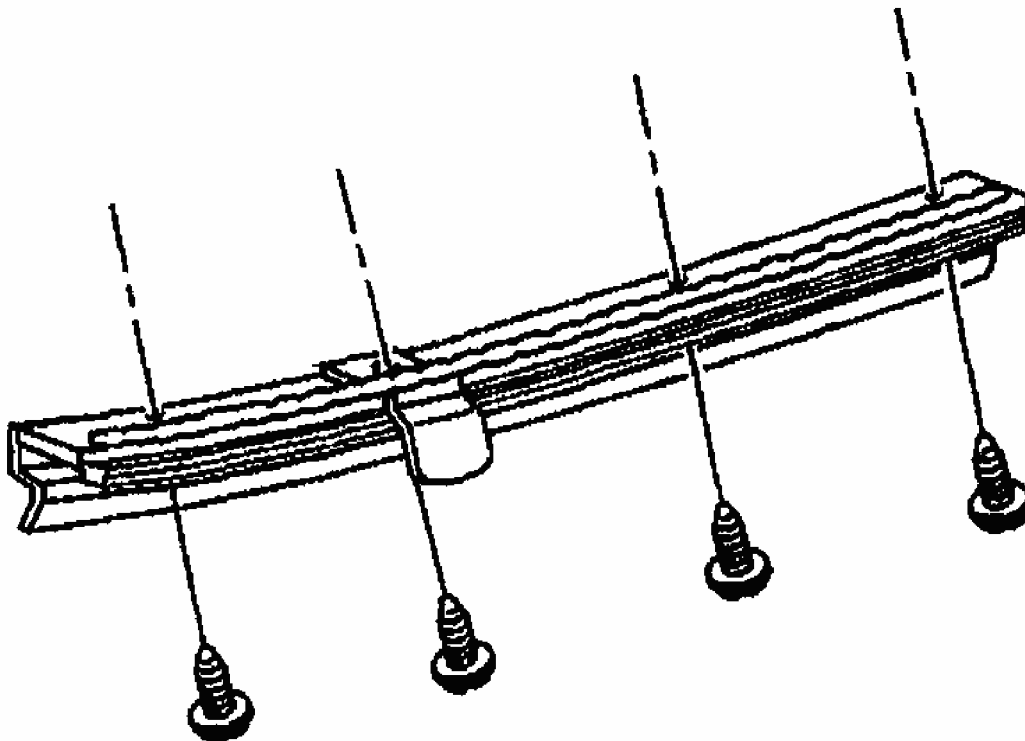
6. Install the forward screw aligning the retainer fore and aft.

Important: Stripped, broken, or improperly seated screws must be replaced or repaired to prevent water leaks.

7. Install the remaining screws.

Tighten

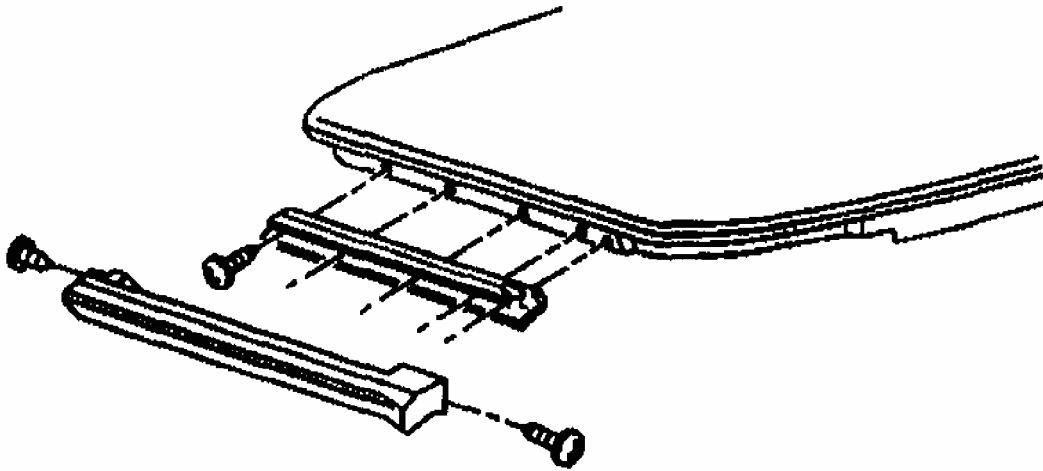
Tighten the side weatherstrip retainer screws to 3 N.m (27 lb in).



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Fig. 260: Forward Screw Aligning Retainer Fore & Aft
Courtesy of GENERAL MOTORS CORP.

8. Apply a bead of sealer GM P/N 12345739 Canadian P/N 10953541 to the ends of the retainer and install the side weatherstrip. Refer to *WEATHERSTRIP REPLACEMENT - LIFT OFF PANEL*.
9. Install the roof panel.

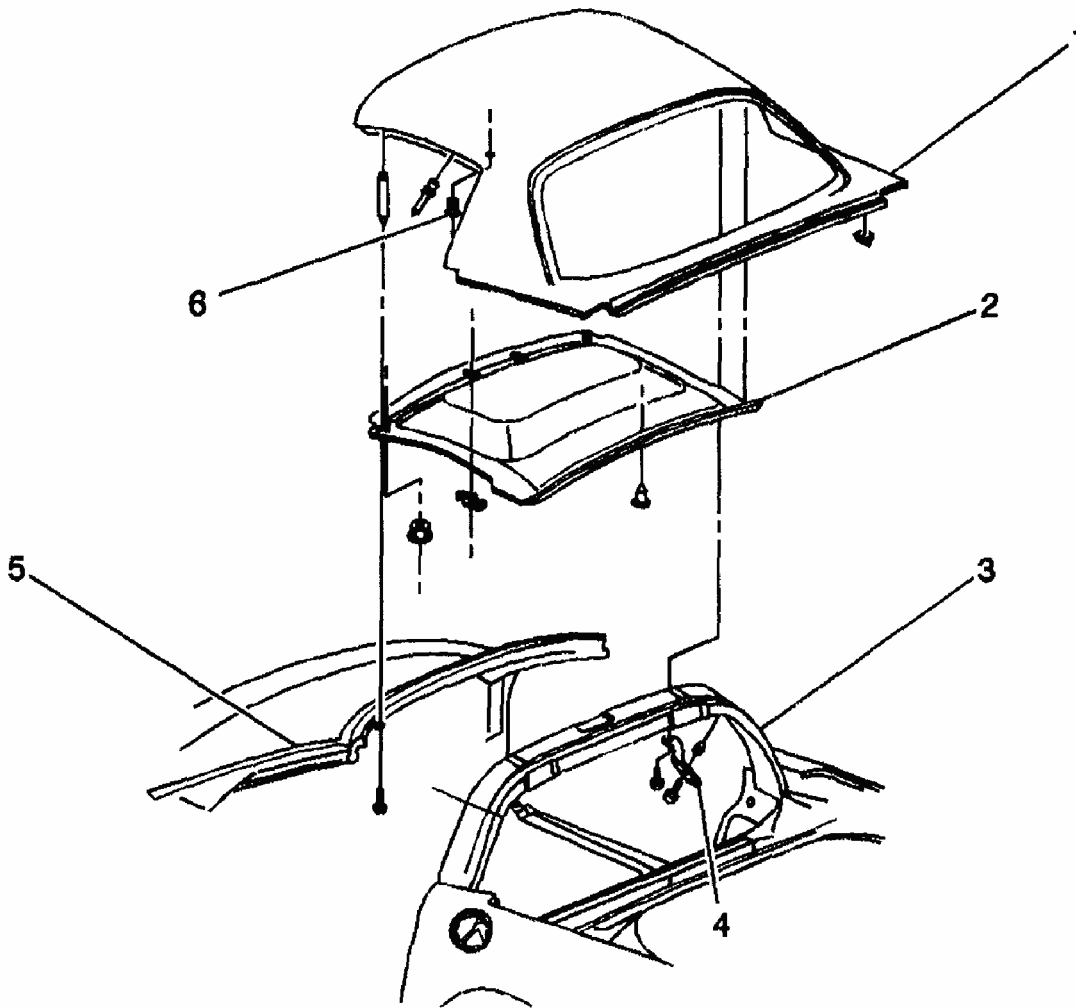


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Fig. 261: Tightening Side Weatherstrip Retainer Screws
Courtesy of GENERAL MOTORS CORP.

DESCRIPTION AND OPERATION

ROOF DESCRIPTION



G01451575

Fig. 262: Locating Roof Components
 Courtesy of GENERAL MOTORS CORP.

The Sheet Molded Compound (SMC) roof panel (1) is bonded and bolted to become an integral part of the vehicle structure. The top is installed using windshield urethane. Use the Urethane Adhesive Kit GM P/N 12346392, or a urethane adhesive system which meets GM Specification GM3651M, in order to maintain original installation integrity.

Retain the leading edge of the top using adhesive and 2 bolts along the aluminum windshield header (5). Secure the middle section of the top using adhesive and 2 bolts (4) along the hydroformed roof bow (3). Finally, secure the rear edge of the top cross-car using adhesive and 3 bolts along the leading edge of the upper surround panel, i.e., the deck lid close-out area.

Removal of the top does not require windshield removal. Removing the hardtop may destroy the panel. To facilitate removal, General Motors recommends cutting a section out of the

2003 Chevrolet Corvette

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hardtop between the windshield header and the roof bow. Removing a section of the top will improve access to the bond areas and will minimize damage to the adjacent areas.

Lift Off Panel Description

There are 2 roof lift off panels available. One roof panel is composed of a see through polycarbonate and the other roof panel is composed of SMC plastic painted to match the body color. Either of the roof lift off panels can be stored in the rear cargo compartment. Special egg shaped brackets on the floor of the rear cargo area support the rear of the stored roof panel. Release pins on the rear lift window panel latches secure the front of the stored roof panel.