

2006 ACCESSORIES & EQUIPMENT

Interior Trim - Impala

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Assist Handle Screw	2 N.m	18 lb in
Center Pillar Upper Trim Screw	2 N.m	18 lb in
Headliner Trim Retainer	2 N.m	18 lb in
Sunshade Screws	2 N.m	18 lb in
Sunshade Anchor Screws	2 N.m	18 lb in
Quarter Upper Trim Panel Screw	2 N.m	18 lb in
Windshield Garnish Molding Screw	2 N.m	18 lb in

REPAIR INSTRUCTIONS

ELIMINATING UNWANTED ODORS IN VEHICLES

GM Vehicle Care Odor Eliminator, GM P/N 12378554 (Canadian P/N 88901678), may control or eliminate odors in the interior and luggage compartment areas of GM vehicles. This non-toxic, biodegradable, odorless product has been shown to greatly reduce or remove the following types of odor:

- Objectionable smells of mold and mildew resulting from vehicle water leaks
- Customer created odors, such as smoke

You may safely use GM Vehicle Care Odor Eliminator on fabrics, vinyl, leather, carpet, and sound deadening materials. You may also induce this product into HVAC modules and instrument panel ducts for the control of non-bacterial related odors.

IMPORTANT: This product leaves no residual scent and should not be used as an air freshener.

This product may result in the permanent elimination of an odor and may be preferable to customers whose allergies make them sensitive to perfumes. This product may effectively remove odors when directly contacting the odor source. In cases such as water leaks, use this product with diagnostic procedures to first eliminate the primary cause of the odor. Then use further applications on the residual odor to permanently correct the vehicle condition.

How to Use this Product

- Spray GM Vehicle Care Odor Eliminator directly or as an additive with carpet shampoo in steam cleaners.
- Do not use on any interior surface that plain water would deteriorate, because this product will have the same effect. Also avoid letting this product come into contact with vinegar or any acidic substance. Acid-based products will hamper the effectiveness of GM Vehicle Care Odor Eliminator.
- Instructions and cautions are printed on the bottle, but additional help is available. If you encounter a persistent or recurring odor, you may call to obtain additional information and usage suggestions.
 - In the USA, call 1-800-955-8591.
 - In Canada, call 1-800-977-4145.

FRONT CARPET RETAINER REPLACEMENT (IMPALA)

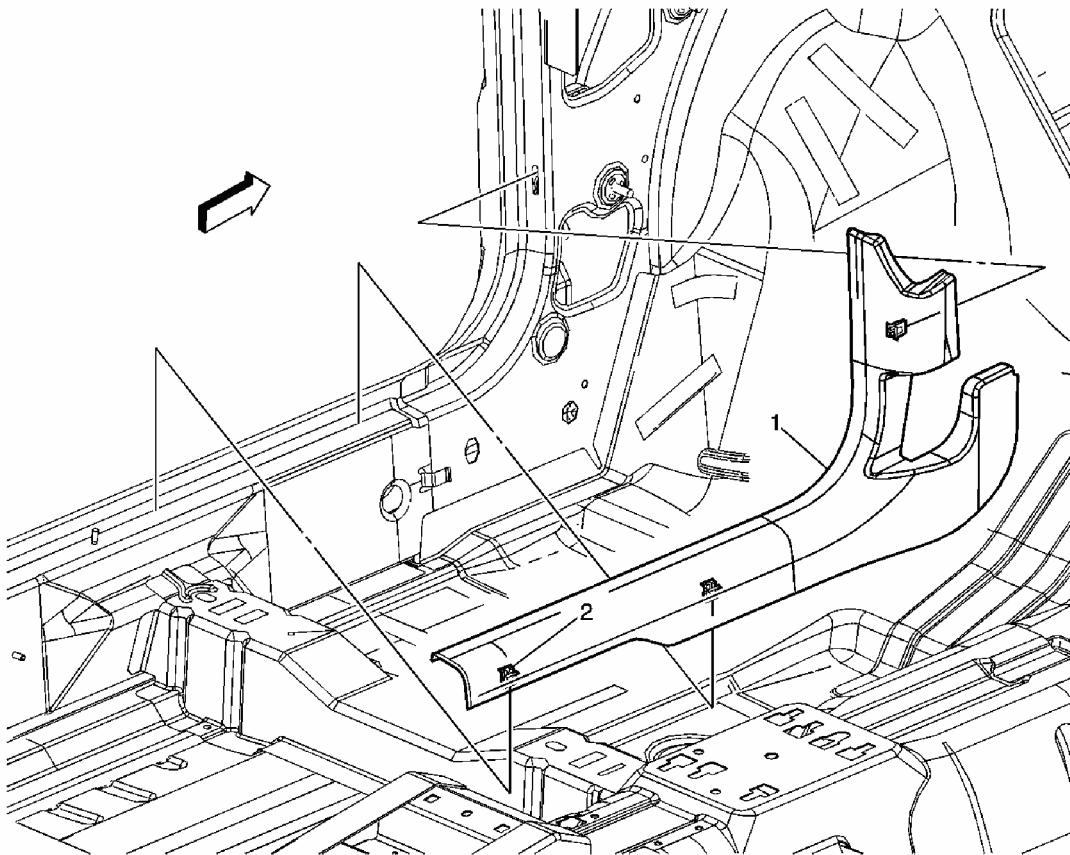


Fig. 1: Replacing Front Carpet Retainer
Courtesy of GENERAL MOTORS CORP.

Carpet Retainer Replacement - Front (Impala)

Callout	Component Name
Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u> .	
Preliminary Procedure: Remove the lower center pillar trim. Refer to <u>Trim Panel Replacement - Lower Center Pillar</u> .	
1	Retainer Assembly, Front Side Door Carpet
2	Clip, Front Side Door Carpet Retainer Assembly

FRONT CARPET RETAINER REPLACEMENT (MONTE CARLO)

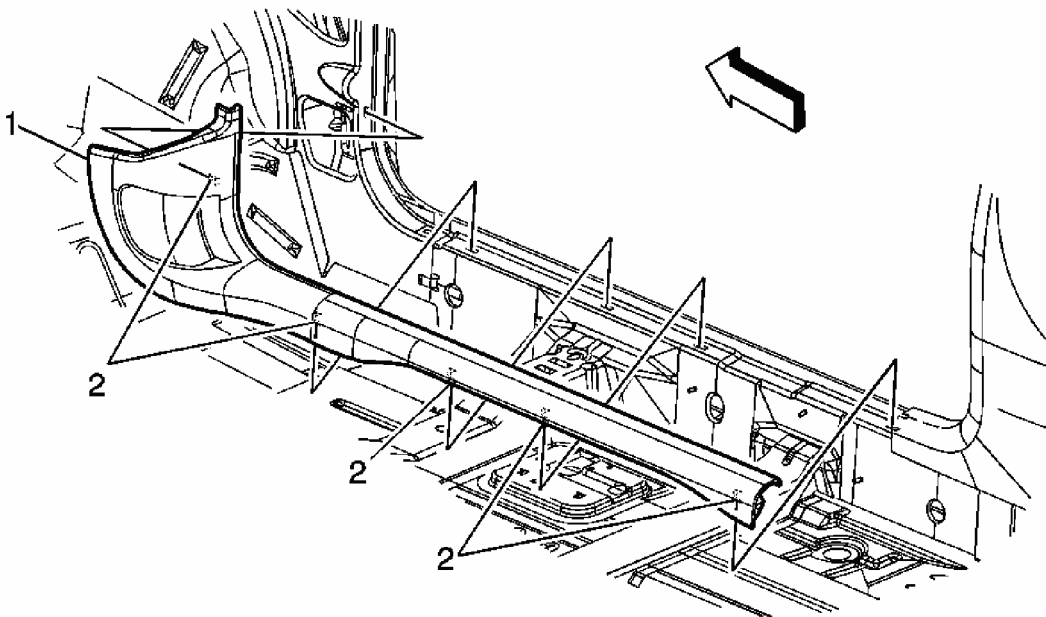


Fig. 2: Replacing Front Carpet Retainer
Courtesy of GENERAL MOTORS CORP.

Carpet Retainer Replacement - Front (Monte Carlo)

Callout	Component Name
Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u> .	
1	Front Side Door Carpet Retainer Assembly
2	Front Side Door Carpet Retainer Clip (Qty: 5)

FLOOR CARPET DRYING

If the carpet or the pad or insulator is wet, use the following criteria for drying or for replacing the components:

- For a 1-piece carpet assembly bonded to a cotton or a fiber padding, replace the entire

assembly.

- For a 2-piece carpet assembly with a cotton or a fiber padding, replace the padding only. While the carpet is out of the vehicle, dry the carpet using the method described below.
- For a 1-piece carpet assembly bonded to a foam padding or attached to a synthetic padding, dry the carpet using the method described below.
- For a 2-piece carpet assembly with a synthetic padding, dry the assembly using the method described below.

Drying Method

1. If you observe puddles of liquid on the carpet face, use a wet vacuum to remove the excess moisture.
2. Blot the face of the carpet with a towel in order to absorb as much moisture as possible.
3. Point a fan at the affected area and air dry the carpet.

CARPET REPLACEMENT (IMPALA)

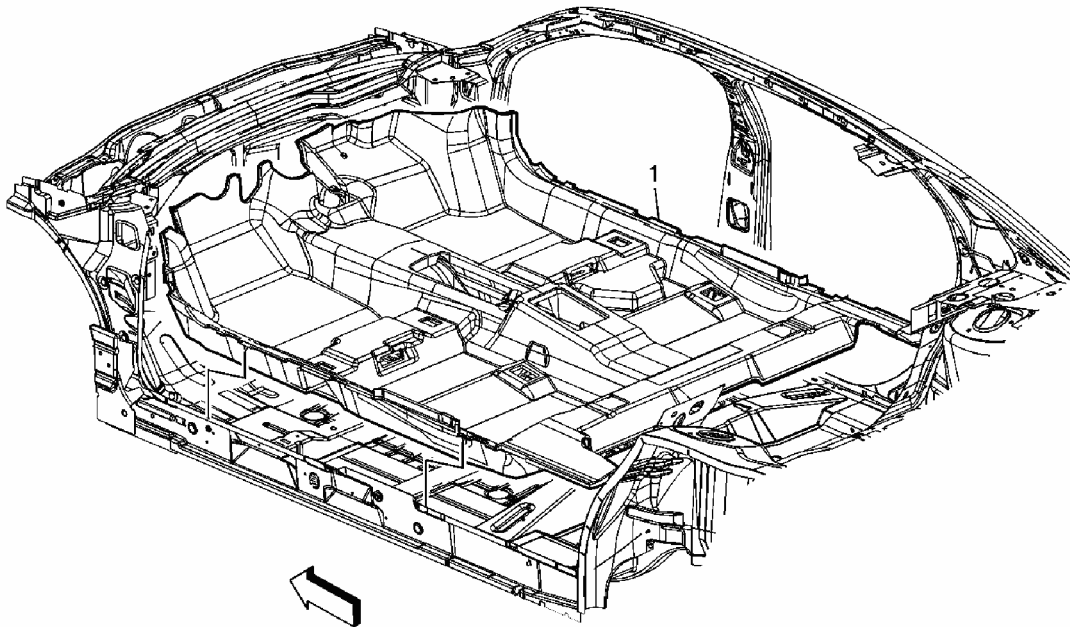


Fig. 3: Replacing Carpet
Courtesy of GENERAL MOTORS CORP.

Carpet Replacement (Impala)

Callout	Component Name
NOTE: Refer to Fastener	

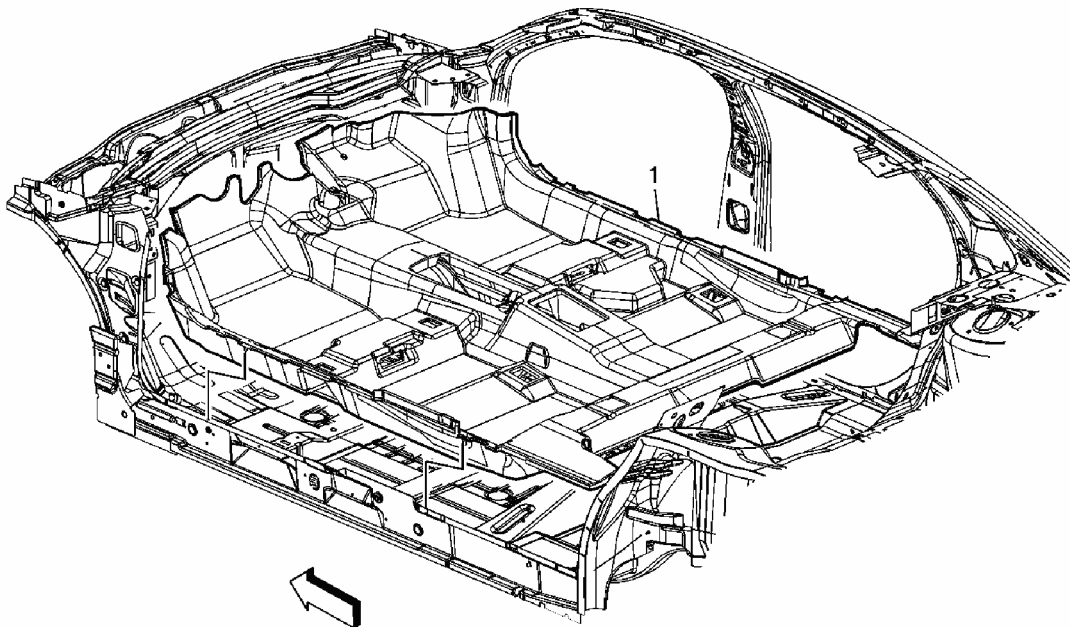
Notice .

Fastener Tightening Specifications: Refer to Fastener Tightening Specifications.

Preliminary Procedures

1. Remove the front seats. Refer to Seat Replacement - Front Bucket (Impala) or Seat Replacement - Front Bucket (Monte Carlo) .
2. Remove the rear seat. Refer to Seat Cushion Replacement - Rear (Impala) or Seat Cushion Replacement - Rear (Monte Carlo) .
3. Remove the floor console. Refer to Console Replacement - Front Floor (Impala) or Console Replacement - Front Floor (Monte Carlo) .
4. Remove the carpet retainers. Refer to Carpet Retainer Replacement - Front (Impala) or Carpet Retainer Replacement - Front (Monte Carlo).
5. Loosen the center lower pillar garnish moldings. Refer to Trim Panel Replacement - Lower Center Pillar.
6. Loosen the lower lock pillar garnish moldings. Refer to Trim Panel Replacement - Rear Quarter Lower (Impala) or Trim Panel Replacement - Rear Quarter Lower (Monte Carlo)
7. Remove the lower front seat belt bolt.

1	Carpet Assembly, Floor Panel
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CARPET REPLACEMENT (MONTE CARLO)**Fig. 4: Replacing Carpet**

Courtesy of GENERAL MOTORS CORP.

Carpet Replacement (Monte Carlo)

Callout	Component Name
Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u> .	
Preliminary Procedures	
1. Remove the front seats. Refer to <u>Seat Replacement - Front Bucket (Impala)</u> or <u>Seat Replacement - Front Bucket (Monte Carlo)</u> . 2. Remove the rear seat. Refer to <u>Seat Cushion Replacement - Rear (Impala)</u> or <u>Seat Cushion Replacement - Rear (Monte Carlo)</u> . 3. Remove the floor console. Refer to <u>Console Replacement - Front Floor (Impala)</u> or <u>Console Replacement - Front Floor (Monte Carlo)</u> . 4. Remove the carpet retainers. Refer to <u>Carpet Retainer Replacement - Front (Impala)</u> or <u>Carpet Retainer Replacement - Front (Monte Carlo)</u>. 5. Loosen the lower lock pillar garnish moldings. Refer to <u>Trim Panel Replacement - Rear Quarter Lower (Impala)</u> or <u>Trim Panel Replacement - Rear Quarter Lower (Monte Carlo)</u> 6. Remove the lower front seat belt bolt.	
1	Floor Panel Carpet Assembly

HEADLINER REPLACEMENT (IMPALA)

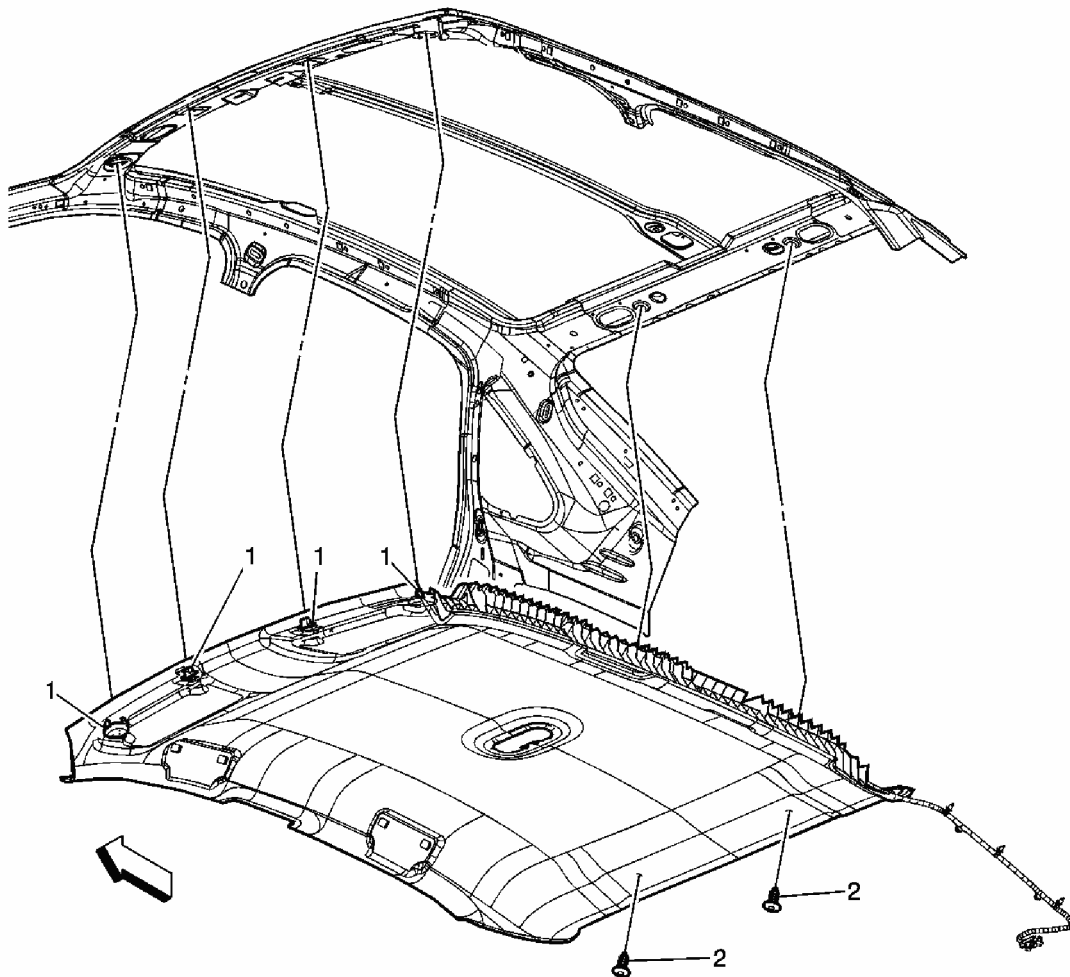


Fig. 5: Replacing Headliner
 Courtesy of GENERAL MOTORS CORP.

Headliner Replacement (Impala)

Callout	Component Name
Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u> .	
Preliminary Procedure	
1. Disable the SIR. Refer to <u>SIR Disabling and Enabling Zone 2 (Monte Carlo)</u> or <u>SIR Disabling and Enabling Zone 2 (Impala)</u> and <u>SIR Disabling and Enabling Zone 6 (Monte Carlo)</u> or <u>SIR Disabling and Enabling Zone 6 (Impala)</u> . 2. Remove the rear quarter upper trim panel. Refer to <u>Trim Panel Replacement - Rear Quarter Upper (Impala)</u> or <u>Trim Panel Replacement - Rear Quarter Upper (Monte Carlo)</u>. 3. Remove the upper center pillar trim. Refer to <u>Trim Panel Replacement - Upper</u>	

Center Pillar.

4. Remove the windshield pillar trim. Refer to **Garnish Molding Replacement - Windshield Pillar (Impala)** or **Garnish Molding Replacement - Windshield Pillar (Monte Carlo)**.
5. Remove the sunshades. Refer to **Sunshade Replacement**.
6. Remove the sunshade anchors. Refer to **Sunshade Anchor Replacement**.
7. Remove the assist handles. Refer to **Assist Handle Replacement**.

1	Headlining Trim Screws Tip: These screws come off with the sunshade and sunshade anchors.
2	Headlining Trim Retainer (Qty: 2)
3	Headlining Trim Tip: 1. Disconnect the electrical connectors. 2. Fully recline the front seat backs. 3. Tilt the steering wheel fully upward. 4. Set the parking brake and put shifter in low gear. 5. Cover the instrument panel to protect from damage. 6. Remove through the front passenger door opening.

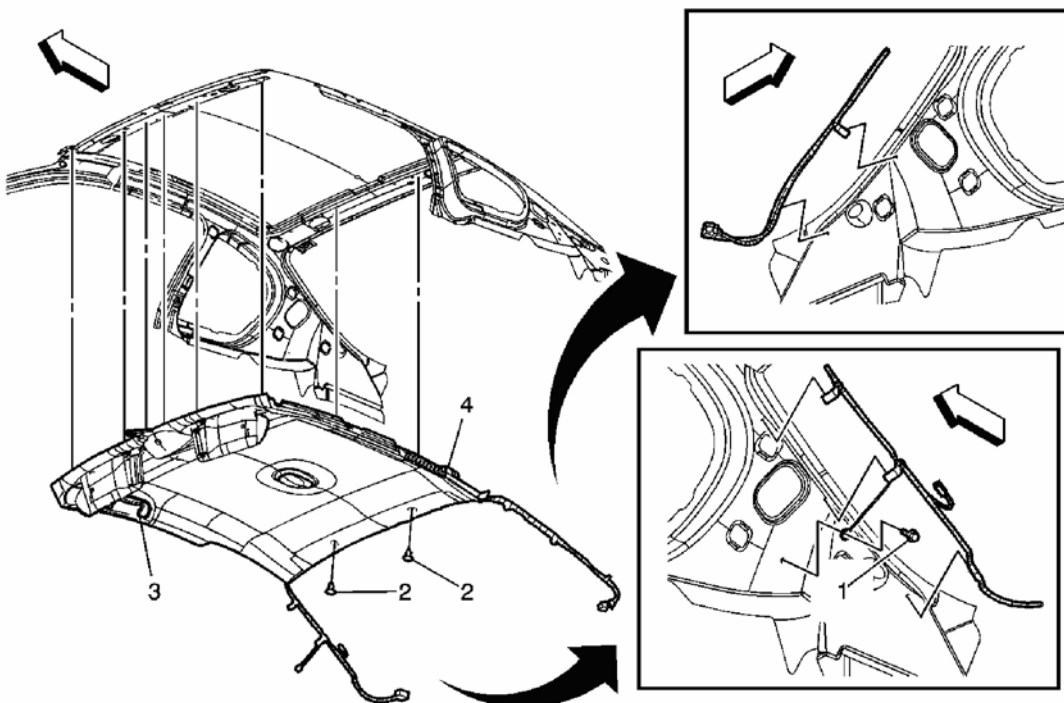
HEADLINER REPLACEMENT (MONTE CARLO)

Fig. 6: Replacing Headliner

Courtesy of GENERAL MOTORS CORP.

Headliner Replacement (Monte Carlo)

Callout	Component Name
NOTE: Refer to <u>Fastener Notice</u> . Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u>. Preliminary Procedures 1. Remove the windshield garnish trim moldings. Refer to <u>Garnish Molding Replacement - Windshield Pillar (Impala)</u> or <u>Garnish Molding Replacement - Windshield Pillar (Monte Carlo)</u>. 2. Remove the sunshades and the sunshade retaining clips. Refer to <u>Sunshade Replacement</u>. 3. Remove the upper quarter trim panels. Refer to <u>Trim Panel Replacement - Rear Quarter Upper (Impala)</u> or <u>Trim Panel Replacement - Rear Quarter Upper (Monte Carlo)</u>. 4. Remove the coat hooks. Refer to <u>Coat Hook Replacement (Monte Carlo)</u>. 5. Remove the weather strips around the top of each door opening. 6. Remove the front passenger seat. Refer to <u>Seat Replacement - Front Bucket (Impala)</u> or <u>Seat Replacement - Front Bucket (Monte Carlo)</u> .	
1	Trim Panel Screw Tighten: 2 N.m (18 lb in)
2	Headliner Trim Panel Retainer (Qty: 2)
3	Assist Handle Retainer (Qty: 2)
4	Headliner Trim Panel Assembly Tip: 1. Place the front seats fully forward with the seat back fully reclined. 2. Disconnect the electrical connectors. 3. With the aid of an assistant, remove the headliner out of the side door.

ASSIST HANDLE REPLACEMENT

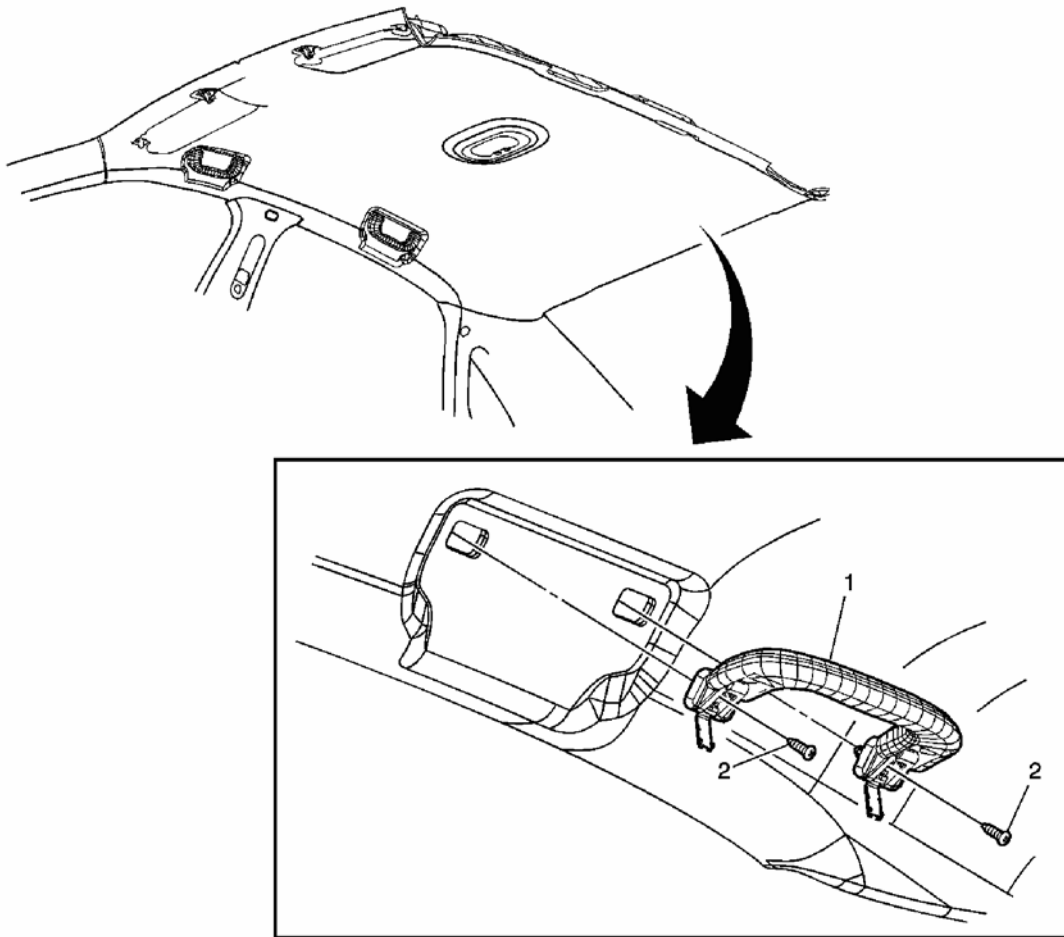


Fig. 7: Replacing Assist Handle
Courtesy of GENERAL MOTORS CORP.

Assist Handle Replacement

Callout	Component Name
NOTE: Refer to <u>Fastener Notice</u> .	
Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u> .	
1	Assist Handle Screw Tighten: 2 N.m (18 lb in)
2	Assist Handle Assembly

COAT HOOK REPLACEMENT (MONTE CARLO)

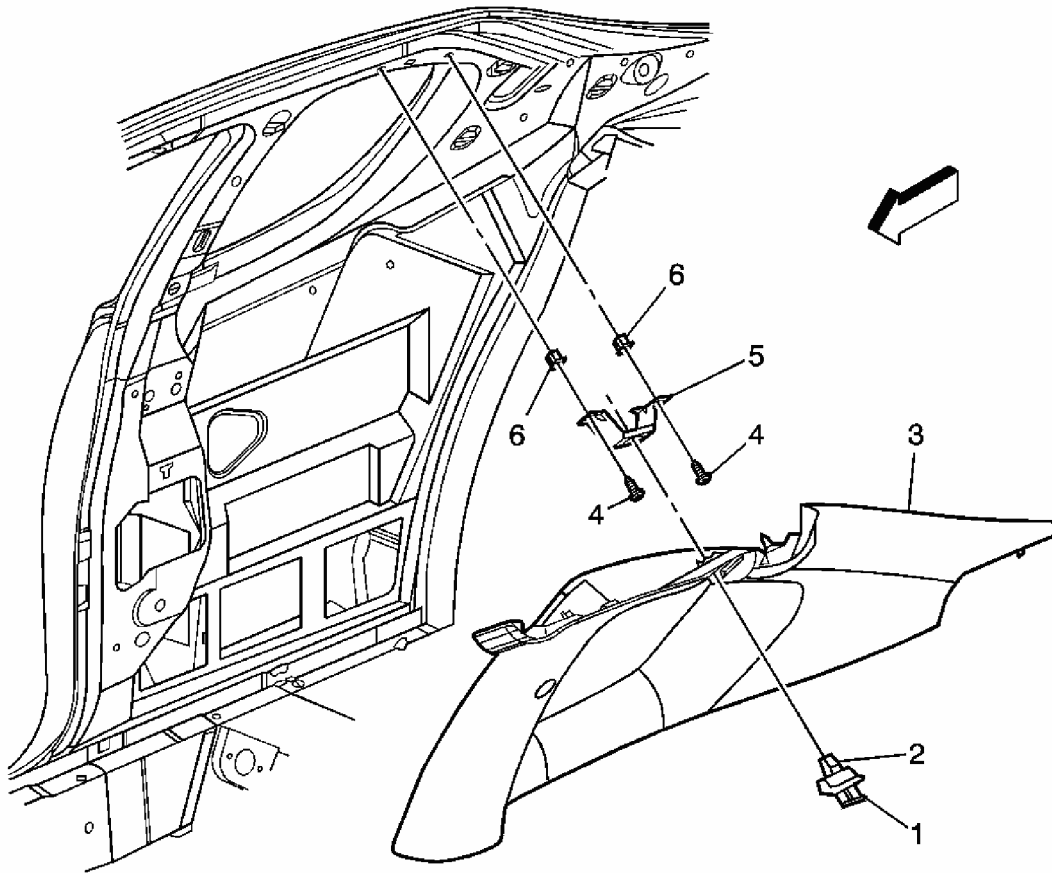


Fig. 8: Replacing Coat Hook
 Courtesy of GENERAL MOTORS CORP.

Coat Hook Replacement (Monte Carlo)

Callout	Component Name
NOTE: Refer to <u>Fastener Notice</u> .	
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications .	
1	Coat Hook
2	Coat Hook Retainer Clip
3	Quarter Upper Trim Finish Panel Assembly Tip: Pull out to disengage the retainers and tilt inward and up to allow the tabs on the trim panel to release from the vehicle.
4	Coat Hook Anchor Plate Screw (Qty: 2) Tighten: 2 N.m (18 lb in)
5	Coat Hook Anchor Plate

6 Retainer Clip Screw (Qty: 2)

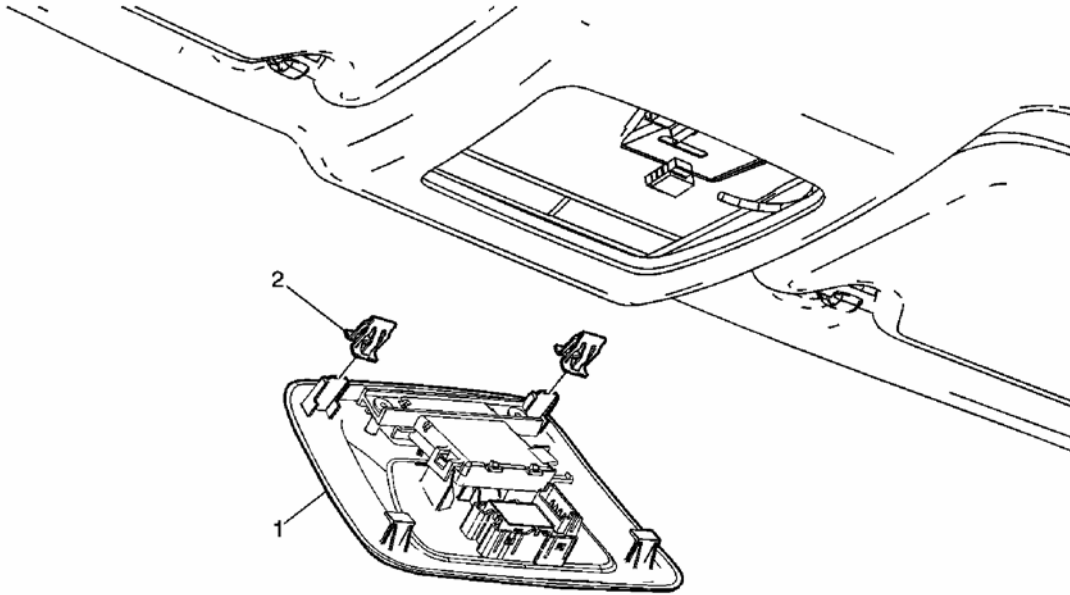
OVERHEAD CONSOLE REPLACEMENT

Fig. 9: Replacing Overhead Console
Courtesy of GENERAL MOTORS CORP.

Console Replacement - Overhead

Callout	Component Name
Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u>.	
1	Overhead Console Tip: • Lower the front of the console first. • Disconnect the electrical connectors.
2	Overhead Console Retainer Clip

SUNSHADE REPLACEMENT

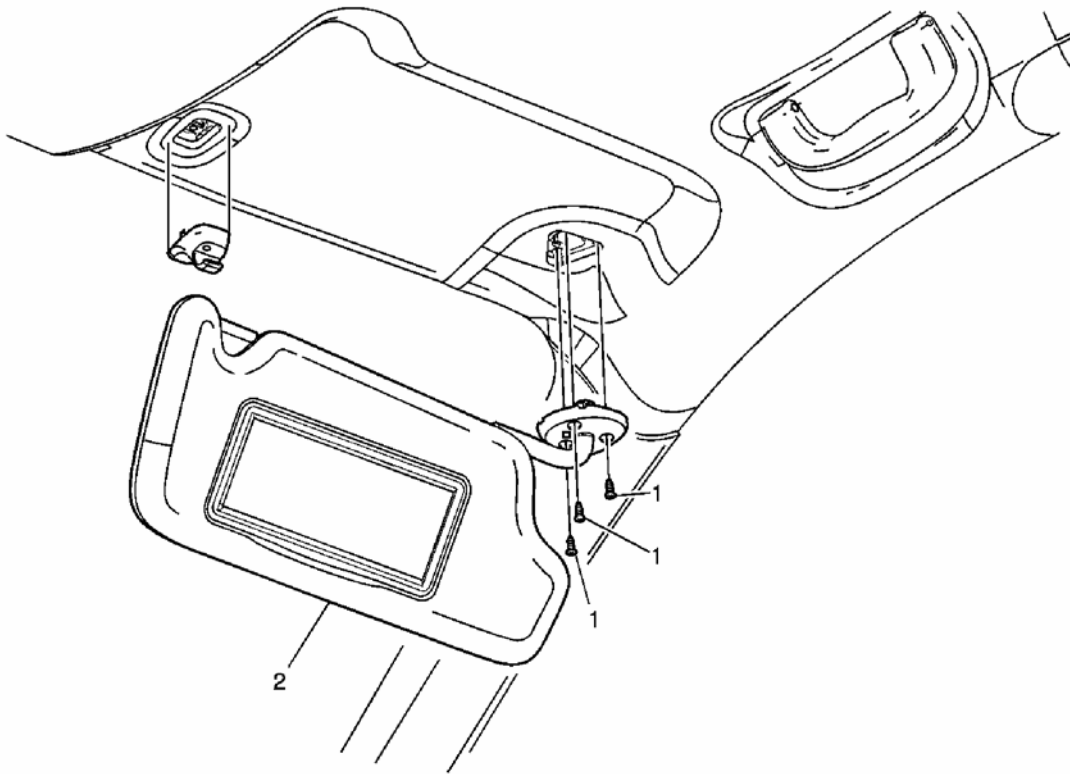


Fig. 10: Replacing Sunshade
Courtesy of GENERAL MOTORS CORP.

Sunshade Replacement

Callout	Component Name
NOTE: Refer to <u>Fastener Notice</u> .	
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications .	
1	Sunshade Assembly Screw (Qty: 3) Tighten: 2 N.m (18 lb in)
2	Sunshade Assembly

SUNSHADE ANCHOR REPLACEMENT

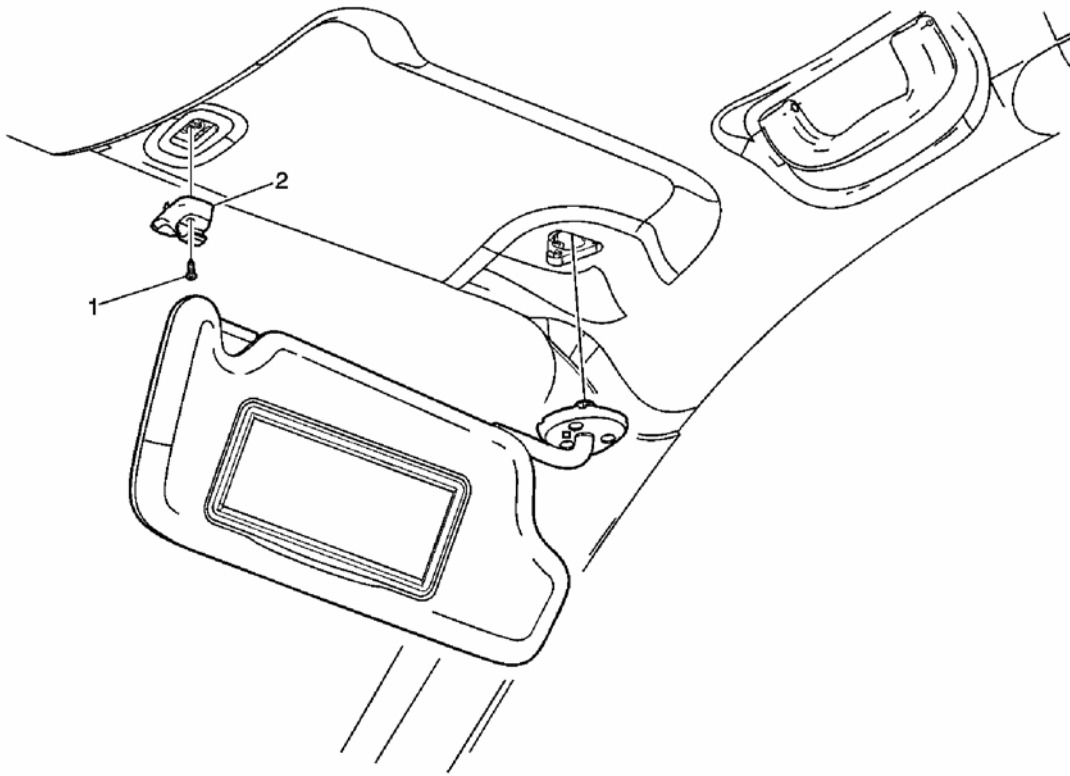


Fig. 11: Replacing Sunshade Anchor
 Courtesy of GENERAL MOTORS CORP.

Sunshade Anchor Replacement

Callout	Component Name
NOTE: Refer to Fastener Notice .	
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications .	
1	Sunshade Anchor Screw Tighten: 2 N.m (18 lb in)
2	Sunshade Anchor

WINDSHIELD PILLAR GARNISH MOLDING REPLACEMENT (IMPALA)

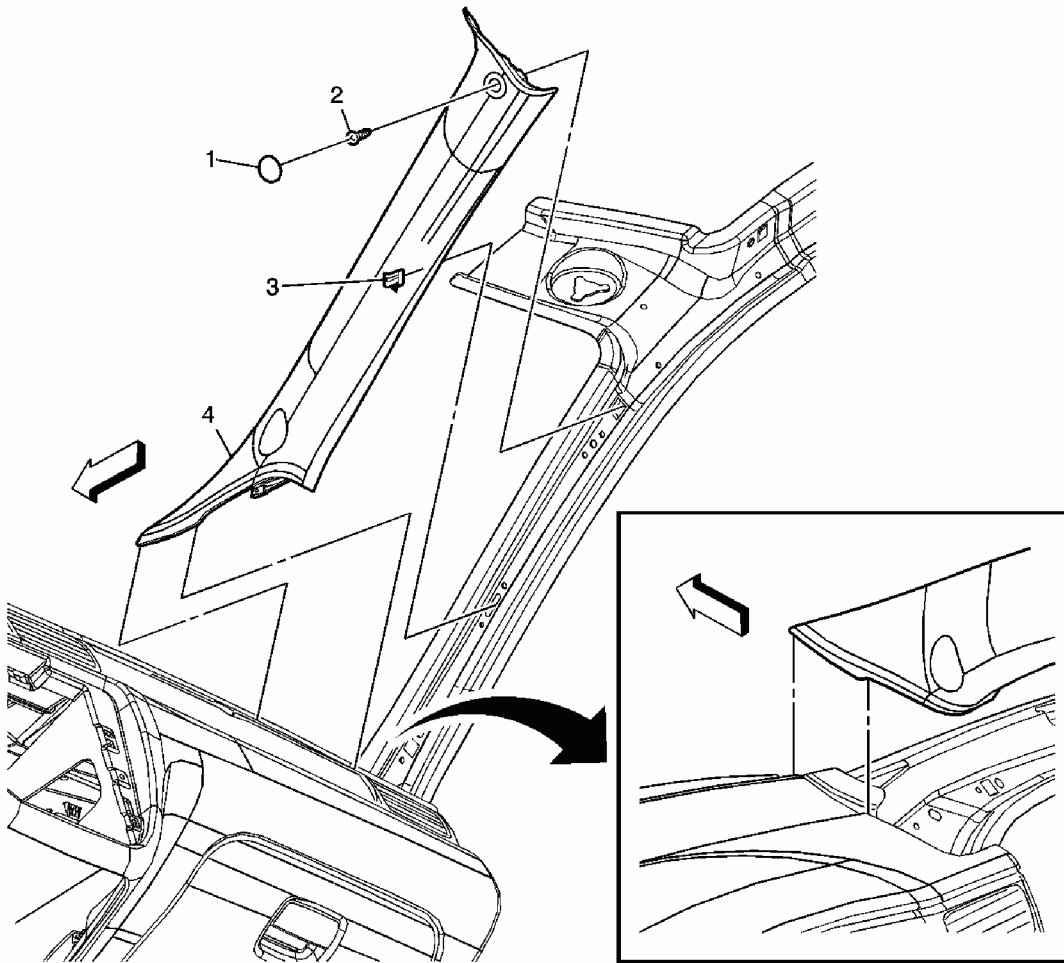


Fig. 12: Replacing Windshield Pillar Garnish Molding
 Courtesy of GENERAL MOTORS CORP.

Garnish Molding Replacement - Windshield Pillar (Impala)

Callout	Component Name
NOTE: Refer to Fastener Notice .	
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications .	
1	Windshield Side Upper Garnish Screw Cover
2	Windshield Side Upper Garnish Screw Tighten: 2 N.m (18 lb in)
3	Windshield Side Upper Garnish Retainer Clip
4	Windshield Side Upper Garnish Molding Assembly

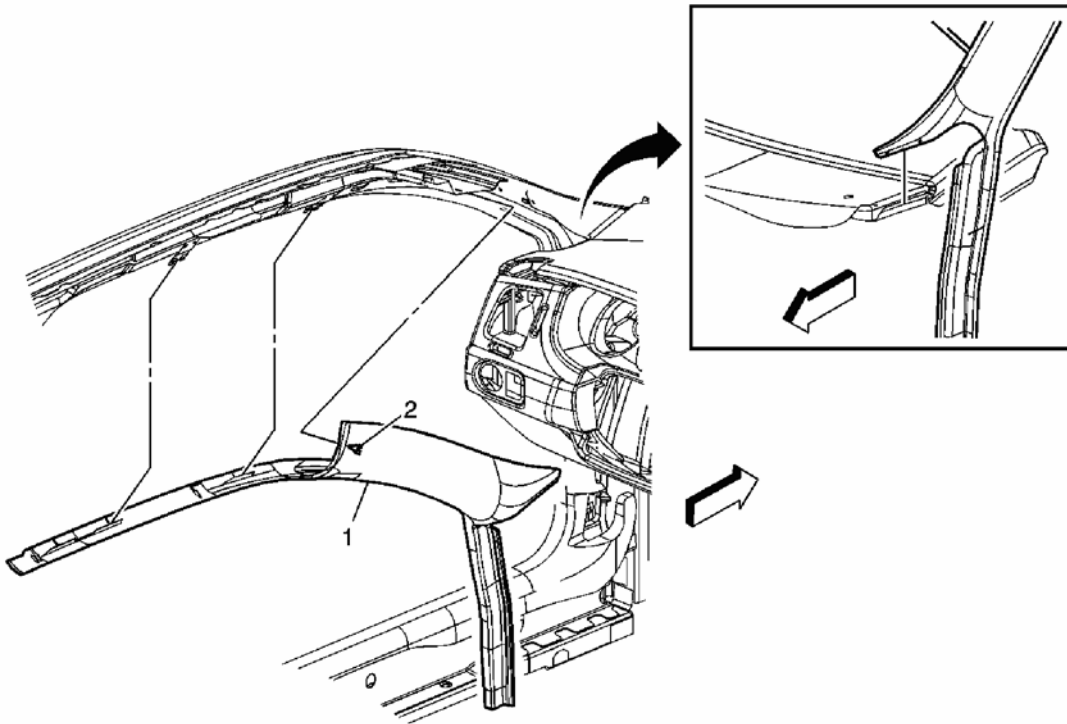


Fig. 13: Replacing Windshield Pillar Garnish Molding
 Courtesy of GENERAL MOTORS CORP.

Garnish Molding Replacement - Windshield Pillar (Monte Carlo)

Callout	Component Name
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications.	
1	Windshield Garnish Molding Assembly
2	Windshield Side Garnish Molding Clip

UPPER CENTER PILLAR TRIM PANEL REPLACEMENT

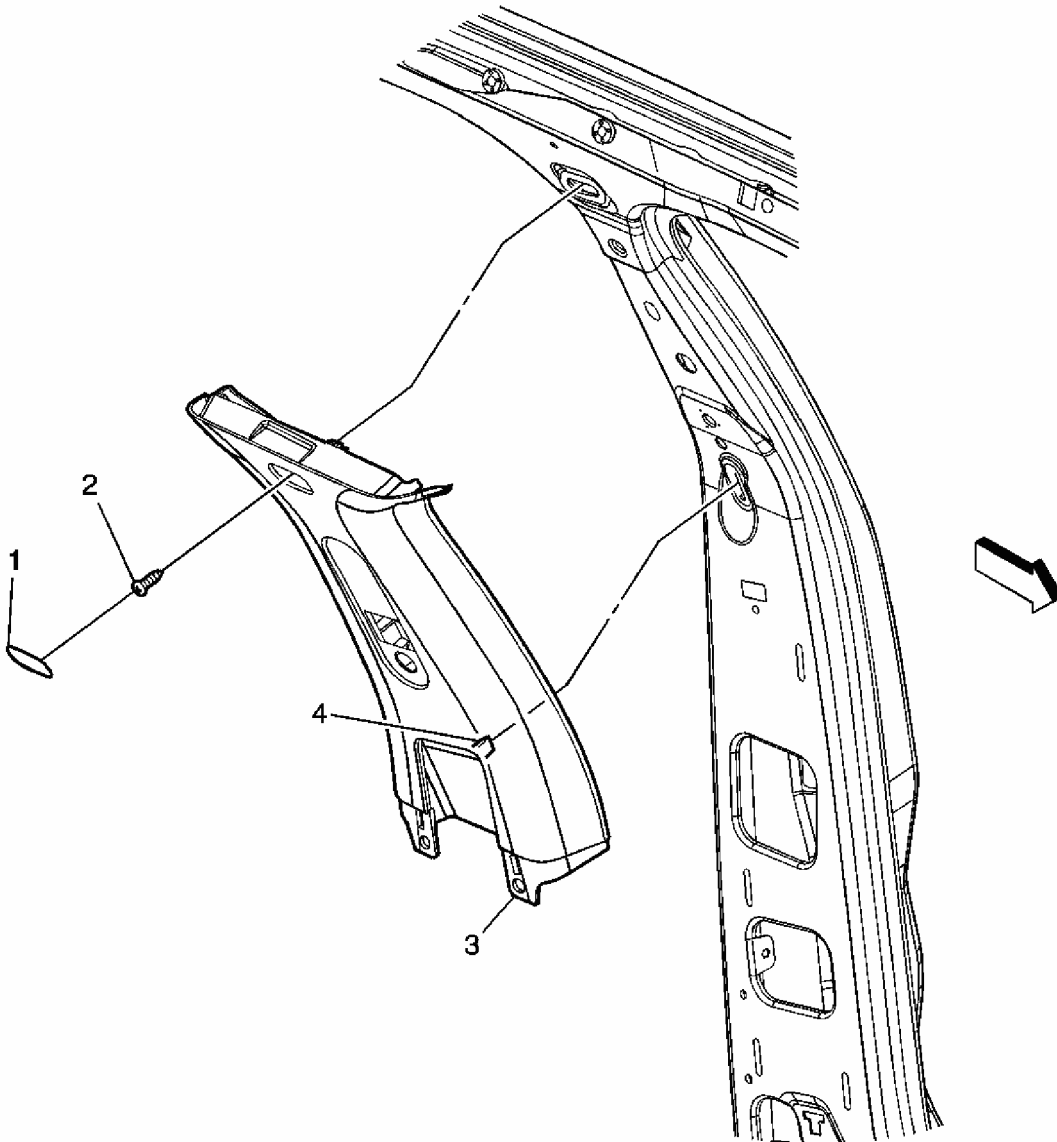


Fig. 14: Replacing Upper Center Pillar Trim Panel
 Courtesy of GENERAL MOTORS CORP.

Trim Panel Replacement - Upper Center Pillar

Callout	Component Name
NOTE: Refer to Fastener Notice .	
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications.Preliminary Procedure: Remove the lower center pillar trim. Refer to Trim Panel Replacement - Lower Center Pillar.	
1	Center Pillar Upper Trim Screw Cover

2	Center Pillar Upper Trim Screw Tighten: 2 N.m (18 lb in)
3	Center Pillar Upper trim Tip: 1. Remove the seat belt D-ring from the adjuster assembly. Tighten: 35 N.m (25 lb ft) 2. Pull the trim panel toward the inside of the vehicle to disengage the retainers.
4	Center Pillar Upper Trim Clip

LOWER CENTER PILLAR TRIM PANEL REPLACEMENT

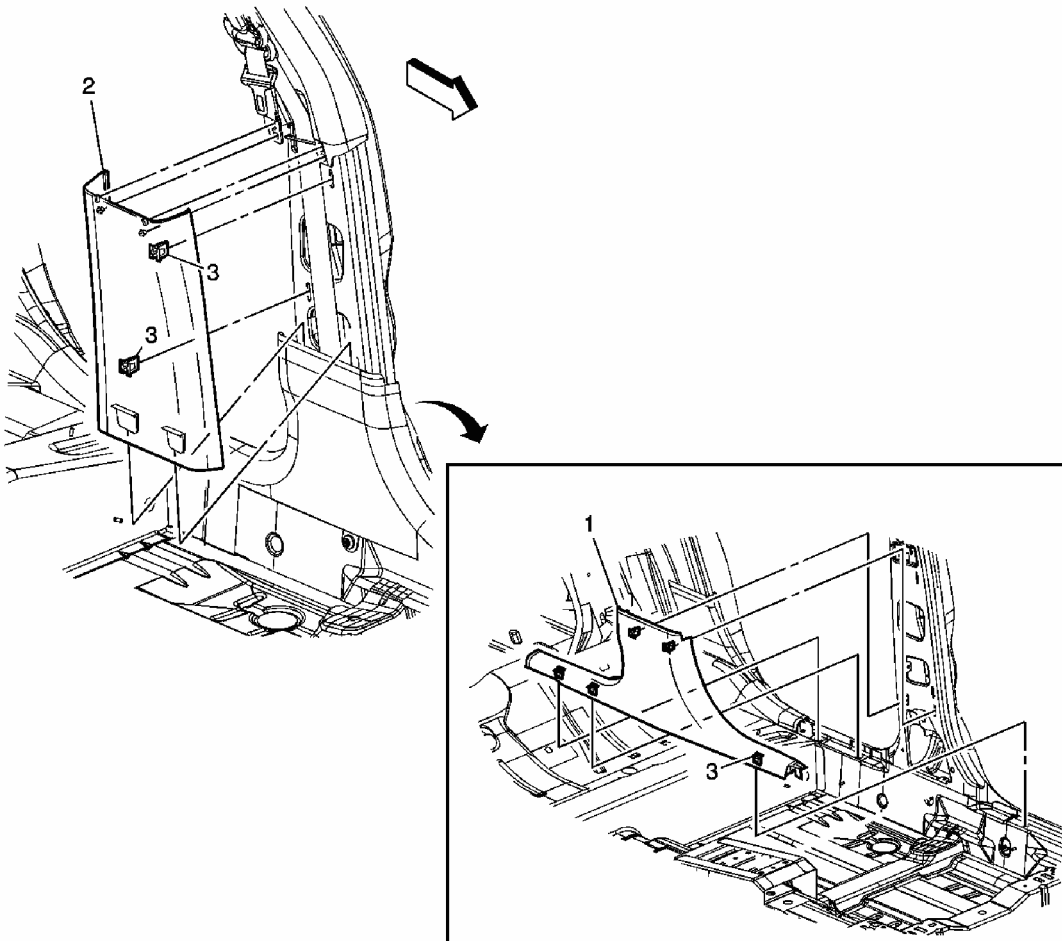


Fig. 15: Replacing Lower Center Pillar Trim Panel
Courtesy of GENERAL MOTORS CORP.

Trim Panel Replacement - Lower Center Pillar

Callout	Component Name
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications.	
1	Front and Rear Side Door Floor Carpet Retainer
2	Center Pillar Upper Trim Panel
3	Center Pillar Trim Retainer Clip

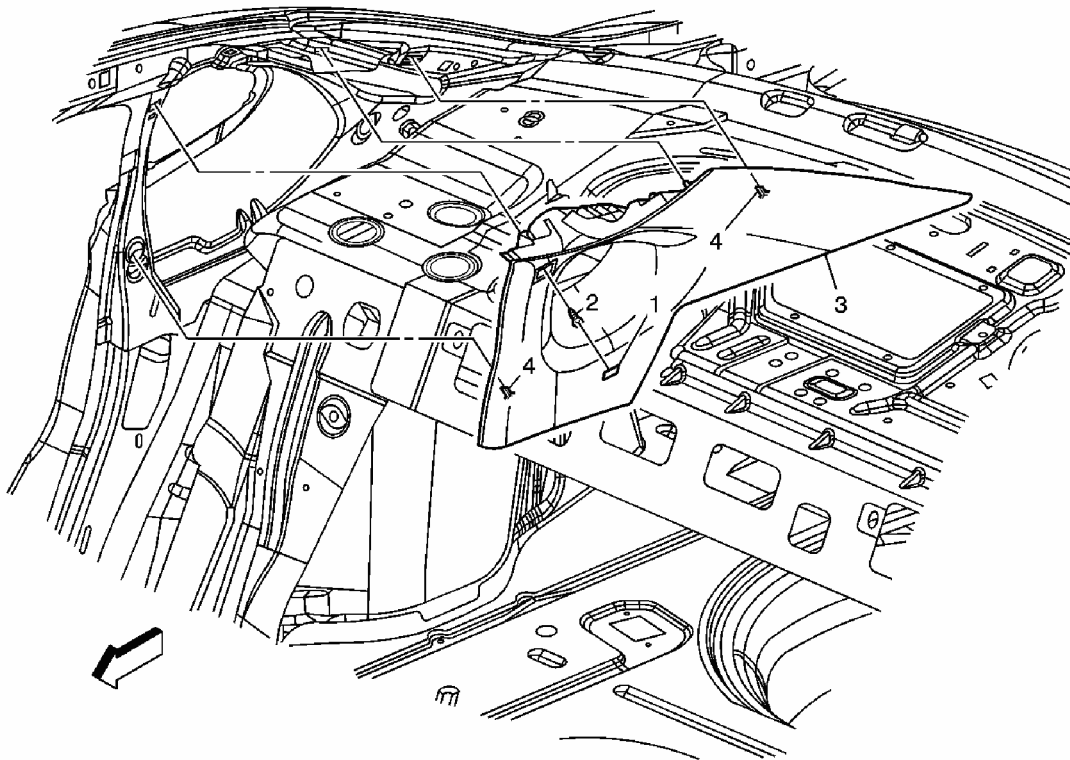
REAR QUARTER UPPER TRIM PANEL REPLACEMENT (IMPALA)

Fig. 16: Replacing Rear Quarter Upper Trim Panel
 Courtesy of GENERAL MOTORS CORP.

Trim Panel Replacement - Rear Quarter Upper (Impala)

Callout	Component Name
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications.	
1	Upper Quarter Upper Trim Panel Screw Cover
2	Upper Quarter Upper Trim Panel Screw Tighten: 2 N.m (18 lb in)
3	Upper Quarter Upper Trim Panel Assembly
4	Upper Quarter Upper Trim Clip

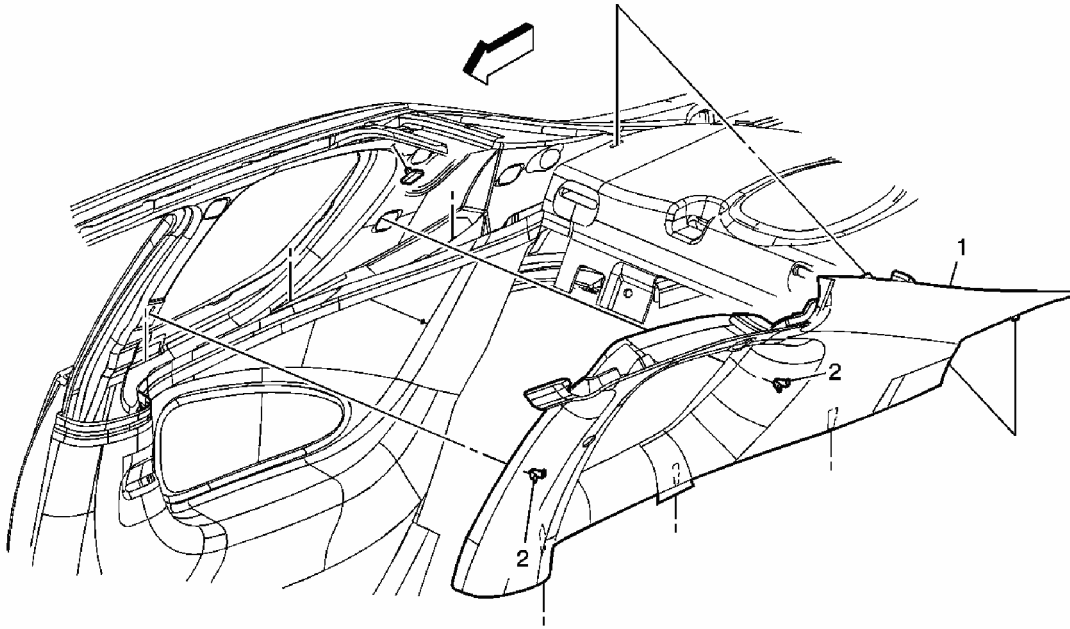
REAR QUARTER UPPER TRIM PANEL REPLACEMENT (MONTE CARLO)

Fig. 17: Replacing Rear Quarter Upper Trim Panel
Courtesy of GENERAL MOTORS CORP.

Trim Panel Replacement - Rear Quarter Upper (Monte Carlo)

Callout	Component Name
NOTE: Refer to <u>Fastener Notice</u> .	
Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u> . Preliminary Procedure: Remove the coat hook. Refer to <u>Coat Hook Replacement (Monte Carlo)</u> .	
1	Quarter Upper Trim Finish Panel Assembly Tip: Pull out to disengage the retainers and tilt inward and up to allow the tabs on the trim panel to release from the vehicle.
2	Quarter Upper Trim Finish Panel Retainer (Qty: 2)

REAR QUARTER LOWER TRIM PANEL REPLACEMENT (IMPALA)

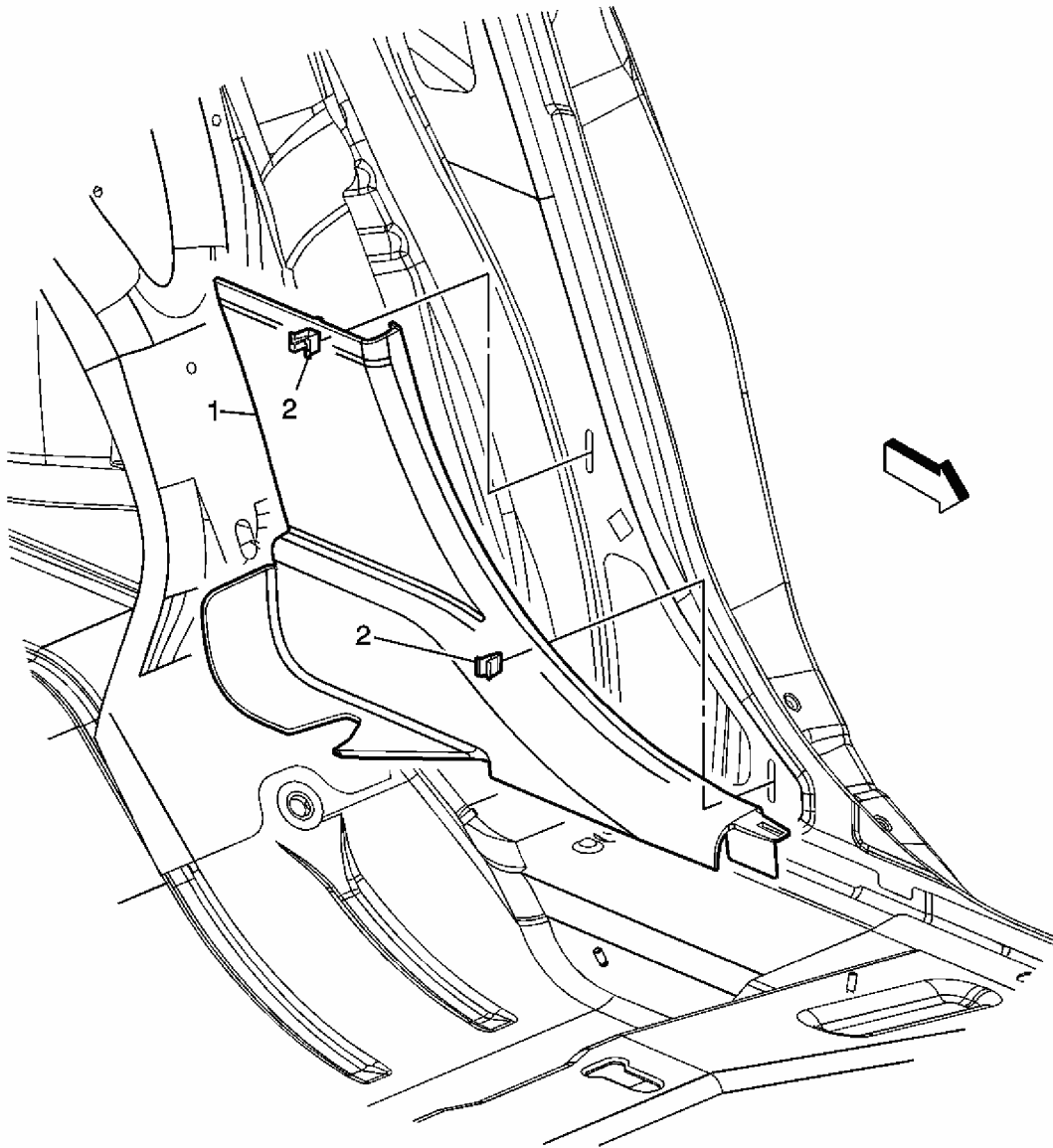


Fig. 18: Replacing Rear Quarter Lower Trim Panel
Courtesy of GENERAL MOTORS CORP.

Trim Panel Replacement - Rear Quarter Lower (Impala)

Callout	Component Name
Fastener Tightening Specifications: Refer to Fastener Tightening Specifications .	
Preliminary Procedure: Remove the lower center pillar trim. Refer to Trim Panel Replacement - Lower Center Pillar .	
1	Quarter Lower Trim Finish Panel Assembly
2	Quarter Lower Trim Finish Panel Retainer Clip (Qty: 2)

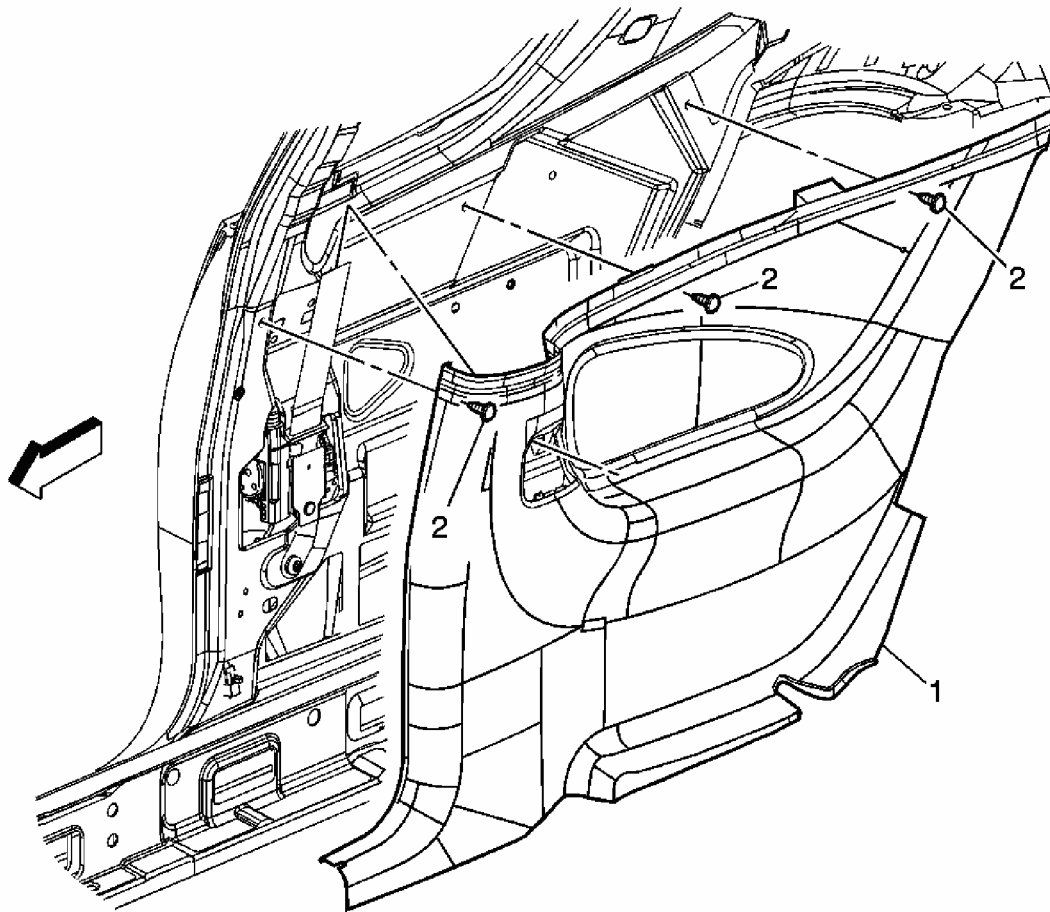
REAR QUARTER LOWER TRIM PANEL REPLACEMENT (MONTE CARLO)

Fig. 19: Replacing Rear Quarter Lower Trim Panel
 Courtesy of GENERAL MOTORS CORP.

Trim Panel Replacement - Rear Quarter Lower (Monte Carlo)

Callout	Component Name
NOTE: Refer to <u>Fastener Notice</u> . Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u> . Preliminary Procedure: Remove the rear quarter upper trim panel. Refer to <u>Trim Panel Replacement - Rear Quarter Upper (Impala)</u> or <u>Trim Panel Replacement - Rear Quarter Upper (Monte Carlo)</u> .	
1	Quarter Lower Trim Finish Panel Assembly Tip: Route the front seat belt through the trim panel.
	Quarter Lower Trim Finish Panel Retainer (Qty: 3)

2

Tip: Right side shown has 3 retainers, the left side is similar but has 4 retainers.

REAR WINDOW SHELF TRIM PANEL REPLACEMENT

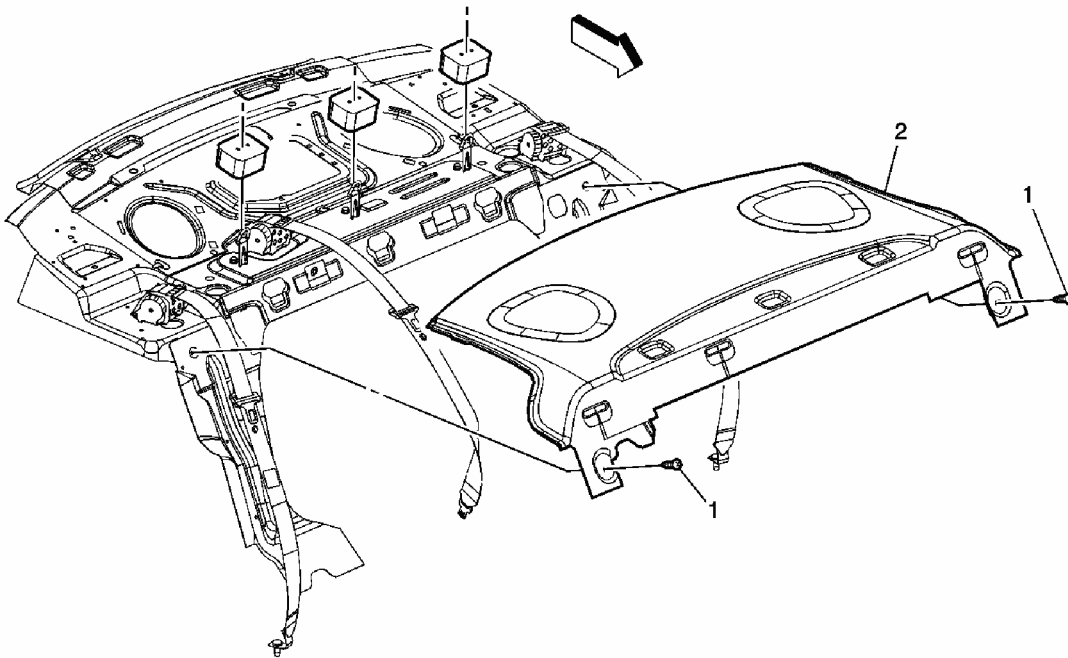


Fig. 20: Replacing Rear Window Shelf Trim Panel
Courtesy of GENERAL MOTORS CORP.

Trim Panel Replacement - Rear Window Shelf

Callout	Component Name
Fastener Tightening Specifications: Refer to <u>Fastener Tightening Specifications</u> .	
Preliminary Procedure	
1. Remove the rear quarter upper trim panel. Refer to <u>Trim Panel Replacement - Rear Quarter Upper (Impala)</u> or <u>Trim Panel Replacement - Rear Quarter Upper (Monte Carlo)</u> .	
2. Remove the rear quarter lower trim panel. Refer to <u>Trim Panel Replacement - Rear Quarter Lower (Impala)</u> or <u>Trim Panel Replacement - Rear Quarter Lower (Monte Carlo)</u> .	
3. Remove the rear seat belt bolts.	
1	Rear Window Trim Panel Retainer
2	Rear Window Trim Panel Assembly