

2017 ACCESSORIES AND EQUIPMENT

Exterior Trim - Bolt EV

SPECIFICATIONS

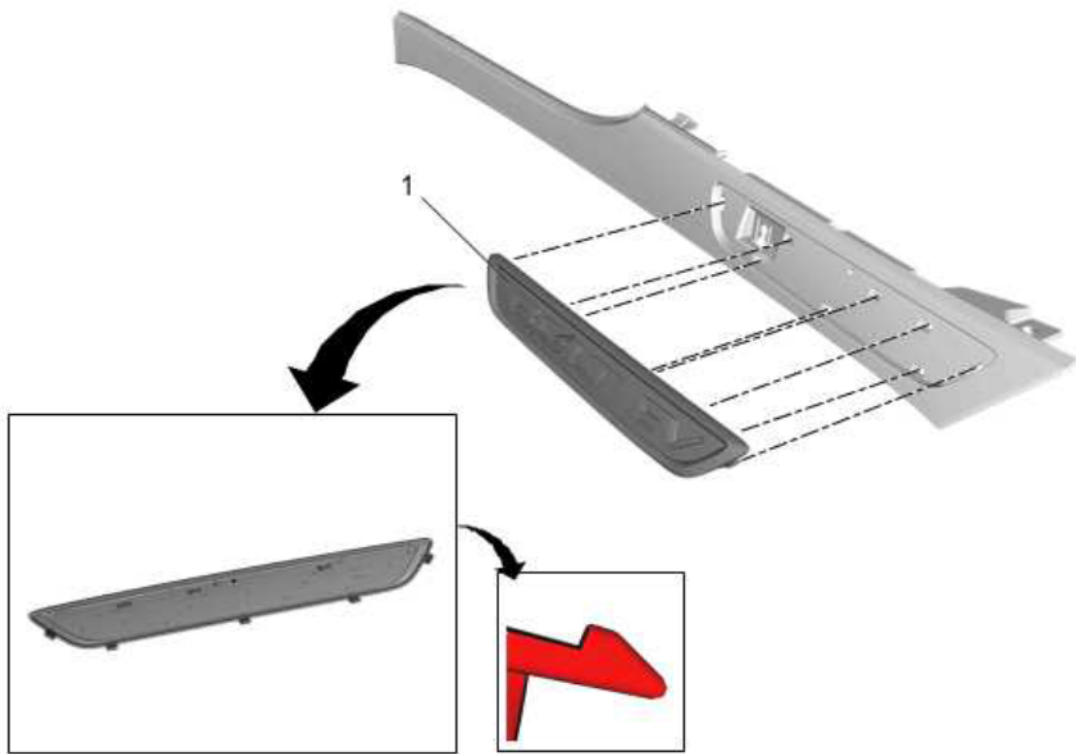
FASTENER SPECIFICATIONS

Reusable Threaded Fastener Tightening Specifications

Application	Specification
	Metric (English)
NOTE: <i>All fasteners listed in this table can be reused after removal.</i>	
Body Side Upper Rear Applique Nut	4.7 N.m (42 lb in)
Front Fender Upper Rear Molding Bolt	2.5 N.m (22 lb in)
Front License Plate Bracket Fastener	2.5 N.m (22 lb in)
Front Side Door Molding Insert Fastener	2.5 N.m (22 lb in)
Rear Closure Center Applique Nut	4.7 N.m (42 lb in)
Rear End Spoiler Bolt	5 N.m (44 lb in)
Rear End Spoiler Nut	5 N.m (44 lb in)
Rear Side Door Molding Insert Fastener	2.5 N.m (22 lb in)
Rear Side Door Window Frame Front Applique Fastener	2.5 N.m (22 lb in)
Wheelhouse Liner Screw	2.5 N.m (22 lb in)

REPAIR INSTRUCTIONS

FRONT FENDER EMBLEM/NAMEPLATE REPLACEMENT



Callout	Component Name
Preliminary Procedure <u>Front Fender Upper Rear Molding Replacement</u>	
	Front Fender Emblem/Nameplate CAUTION: Use a plastic, flat-bladed tool to prevent paint damage when removing an emblem/name plate. CAUTION: Anytime the emblem/nameplate is removed from the vehicle, it MUST BE REPLACED . The locking tabs that secure the emblem/nameplate to the vehicle WILL BE DAMAGED when the emblem name/plate is removed, and under no circumstances may the emblem/nameplate be re-used. Procedure
1	- Using a suitable flat bladed tool release the eight locking tabs and pull the emblem from the molding. - The part and surface should be 21Â°C (70Â°F) prior to installation. The vehicle should remain 21Â°C (70Â°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. - Use a heat gun or equivalent to remove the liftgate emblem. Use a plastic flat bladed tool to assist in removal. - Clean any remaining residue with a 50/50 mixture by volume of isopropyl alcohol and clean drinkable water. Wipe surface dry with a clean lint-free towel. - When removing protective liners from the adhesive tape, be careful not to touch tape with hands and do not allow tape to come in contact with dirt or any foreign matter prior to adhesion. - Using the palm of the hand, wet out the liftgate emblem to ensure full adhesion is made.

LIFTGATE EMBLEM/NAMEPLATE REPLACEMENT (EMBLEM)

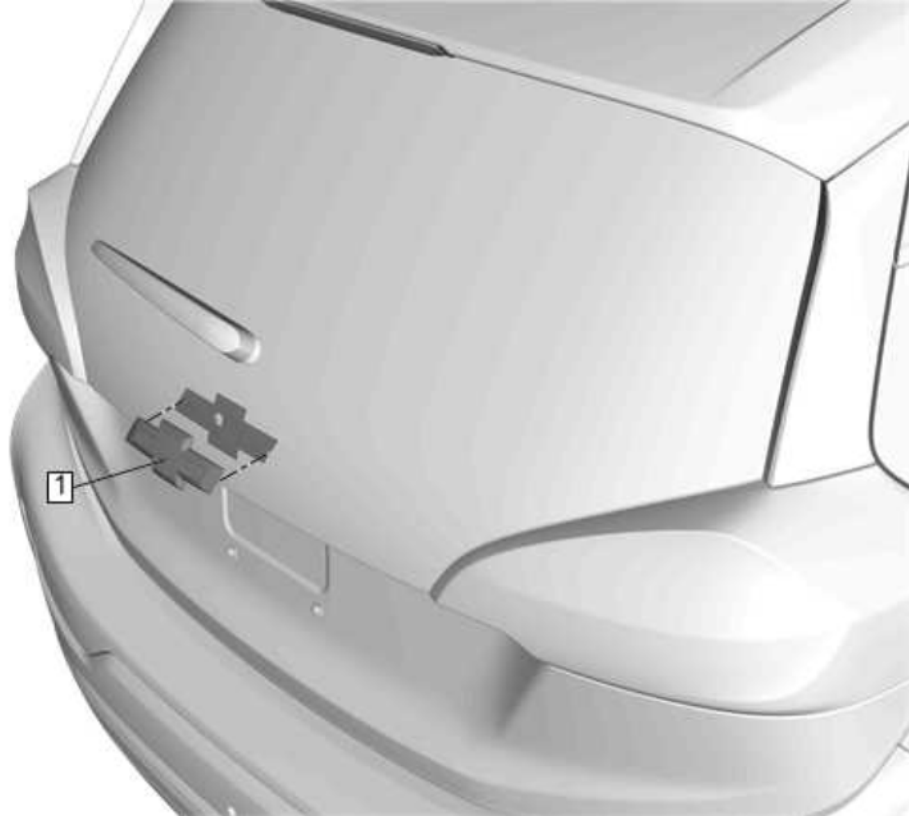


Fig. 2: Liftgate Emblem/Nameplate (Emblem)
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Liftgate Emblem/Nameplate CAUTION: Refer to Exterior Trim Emblem Removal Caution . Procedure 1. The part and surface should be 21Â°C (70Â°F) prior to installation. The vehicle should remain 21Â°C (70Â°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a commercial type Heat Gun or equivalent to remove the old nameplate. 3. Clean all adhesive from the liftgate panel and wipe the surface dry with a clean lint-free towel prior to installing the new nameplate. 4. Close the liftgate prior to installing the new nameplate. 5. When removing protective liners from the adhesive tape, be careful not to touch tape with hands and do not allow tape to come in contact with dirt or any foreign matter prior to adhesion. 6. Position and adhere the nameplate to the liftgate. 7. Using the palm of the hand, wet out the nameplate on the liftgate panel to ensure full adhesion of the nameplate is made.

LIFTGATE EMBLEM/NAMEPLATE REPLACEMENT (NAMEPLATE)

Removal Procedure

CAUTION: Refer to [Exterior Trim Emblem Removal Caution](#) .



Fig. 3: Liftgate Emblem/Nameplate (Nameplate)

Courtesy of GENERAL MOTORS COMPANY

1. Perform the following steps to remove the liftgate nameplate lettering (1):
 1. Completely clean and dry the area that contains the nameplate lettering.
 2. To aid in installation, outline each individual letter with painter's tape or another suitable method. The lettering pieces may be individual or attached to each other.
 3. Use a commercial type Heat Gun or equivalent to remove the old nameplate lettering.
 4. Using a clean, lint-free towel, wipe the surface dry prior to installing the new nameplate lettering.

Installation Procedure

1. The part and surface should be 21Â°C (70Â°F) prior to installation. The vehicle should remain at 21Â°C (70Â°F) for a minimum of one hour after assembly to allow the adhesive to develop sufficient bond strength.



Fig. 4: Liftgate Emblem/Nameplate (Nameplate)

Courtesy of GENERAL MOTORS COMPANY

NOTE: When removing the protective liners from the adhesive tape, be careful not to touch the tape and do not allow the tape to come in contact with any dirt or foreign matter.

2. Perform the following steps to install the liftgate nameplate lettering (1):
 1. Close the liftgate prior to installing the new nameplate lettering.
 2. Remove the protective liner from the adhesive tape of the first nameplate letter and align it to the location marked previously.
 3. Apply the aligned letter and use the palm of the hand to ensure full adhesion has been made.
 4. Repeat the same steps with each letter additional letter.

BODY SIDE UPPER REAR APPLIQUE REPLACEMENT

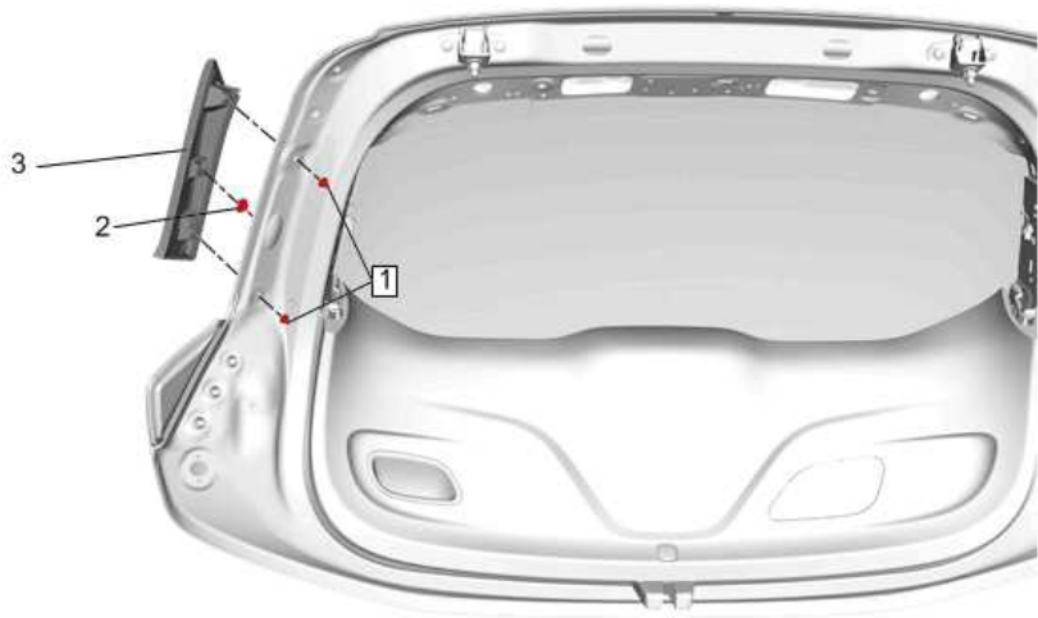


Fig. 5: Body Side Upper Rear Applique
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Rear End Spoiler Replacement</u>	
1	Body Side Upper Rear Applique Nut CAUTION: <u>Fastener Caution</u> Tighten 4.7 N.m (42 lb in)
2	Body Side Upper Rear Applique Retainer
3	Body Side Upper Rear Applique Procedure 1. Gently pull up the applique. 2. Replace damaged retainers as needed.

FRONT SIDE DOOR WINDOW FRAME REAR APPLIQUE REPLACEMENT

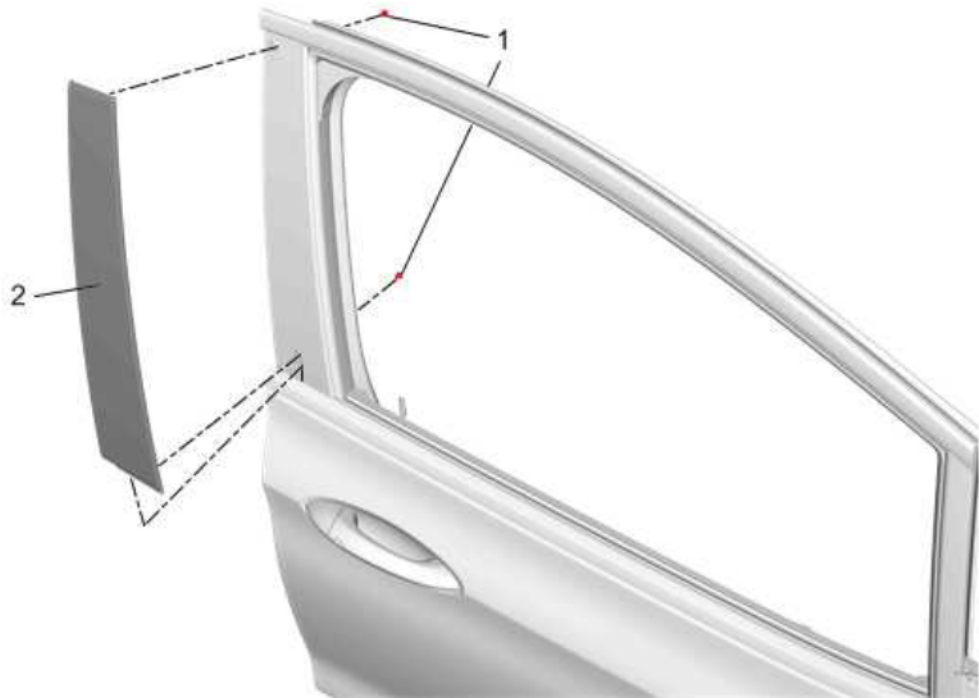


Fig. 6: Front Side Door Window Frame Rear Applique

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Front Side Door Weatherstrip Replacement - Door Side</u> NOTE: It is not necessary to completely remove the weatherstrip. Reposition the rear edge of the front side door weatherstrip.	
1	Front Side Door Weatherstrip Upper Retainer
2	Front Side Door Window Frame Rear Applique 1. Use a solution of 50/50 isopropyl alcohol and water to clean the adhesive surface. 2. Peel the protective film from the foam tape and install the rear applique to the vehicle.

REAR CLOSURE CENTER APPLIQUE REPLACEMENT

Removal Procedure

1. Open and support the rear liftgate.
2. Liftgate Lower Trim Finish Panel - Remove - **Liftgate Lower Trim Finish Panel Replacement**

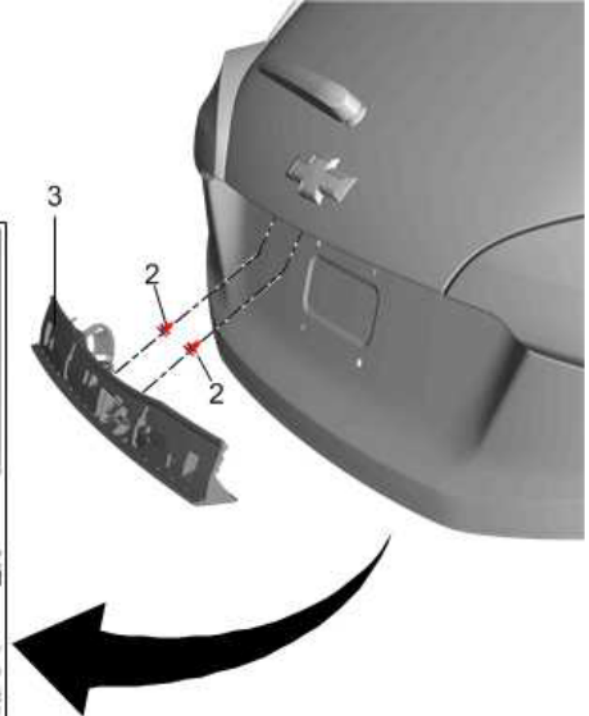
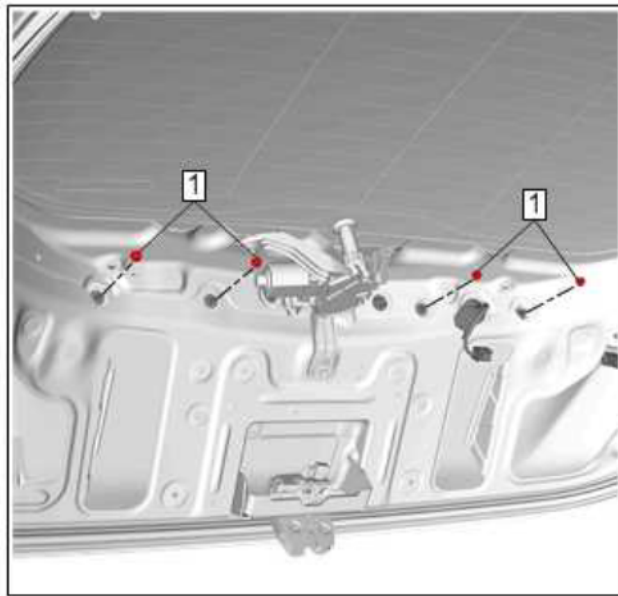


Fig. 7: Rear Closure Center Applique

Courtesy of GENERAL MOTORS COMPANY

3. Rear Closure Center Applique Nut (1) - Remove
4. Disconnect the electrical connectors.
5. Disconnect the backup camera washer hose.
6. Disengage the electrical grommets from the liftgate outer panel.
7. With a trim type release tool, disengage the two retainers (2) on the rear closure center applique.
8. Remove the rear closure center applique (3).
9. Replace any broken retainers.
10. Transfer parts as necessary.

Installation Procedure

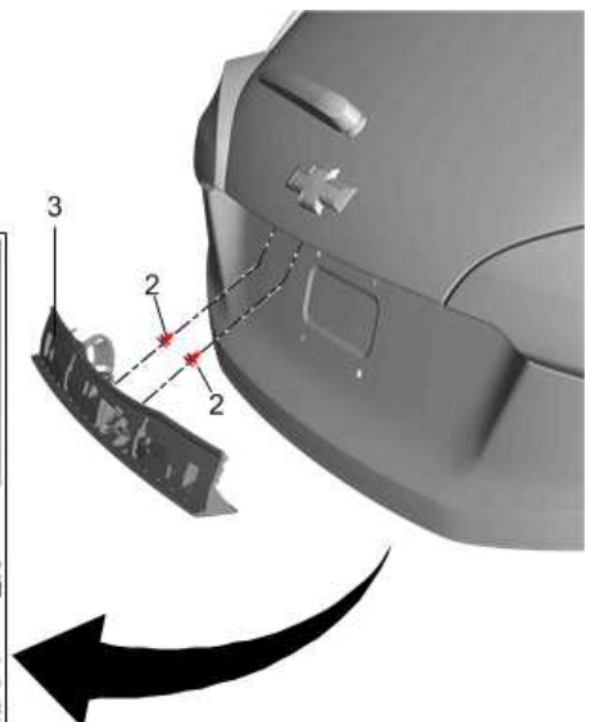
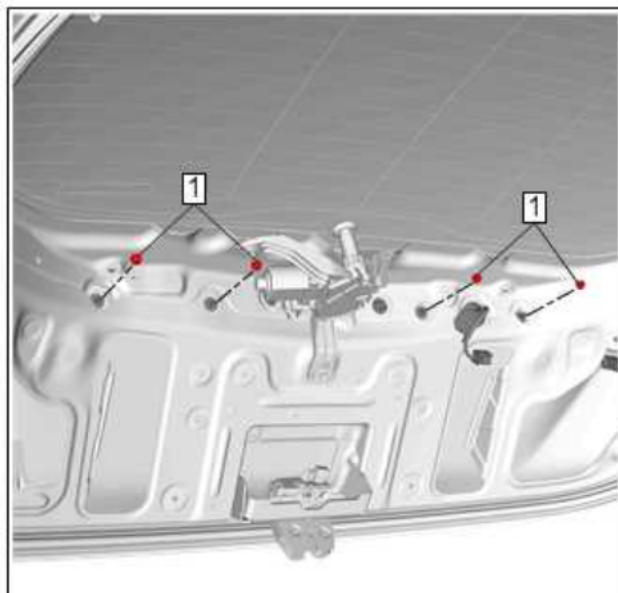


Fig. 8: Rear Closure Center Applique
 Courtesy of GENERAL MOTORS COMPANY

1. Install the rear closure center applique (3).
2. Engage the electrical grommets to the liftgate outer panel.
3. Connect the backup camera washer hose.
4. Connect the electrical connectors.

CAUTION: Refer to **Fastener Caution** .

5. Rear Closure Center Applique Nut (1) - Install to 4.7 N.m (42 lb in)
6. Liftgate Lower Trim Finish Panel - Install - **Liftgate Lower Trim Finish Panel Replacement**
7. Close the rear liftgate.

REAR SIDE DOOR WINDOW FRAME FRONT APPLIQUE REPLACEMENT

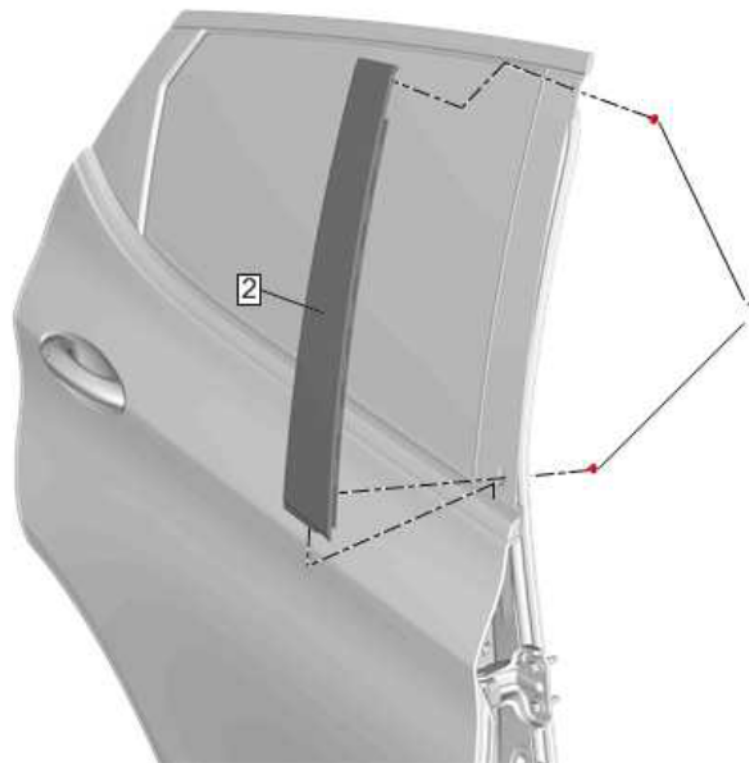


Fig. 9: Rear Side Door Window Frame Front Applique
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Rear Side Door Weatherstrip Replacement - Door Side</u> NOTE: It is not necessary to completely remove the weatherstrip. Reposition the front edge of the rear side door weatherstrip.	
1	Rear Side Door Weatherstrip Upper Retainer
2	Rear Side Door Window Frame Front Applique 1. Use a solution of 50/50 isopropyl alcohol and water to clean the adhesive surface. 2. Peel the protective film from the foam tape and install the rear applique to the vehicle.

REAR SIDE DOOR WINDOW FRAME REAR APPLIQUE REPLACEMENT

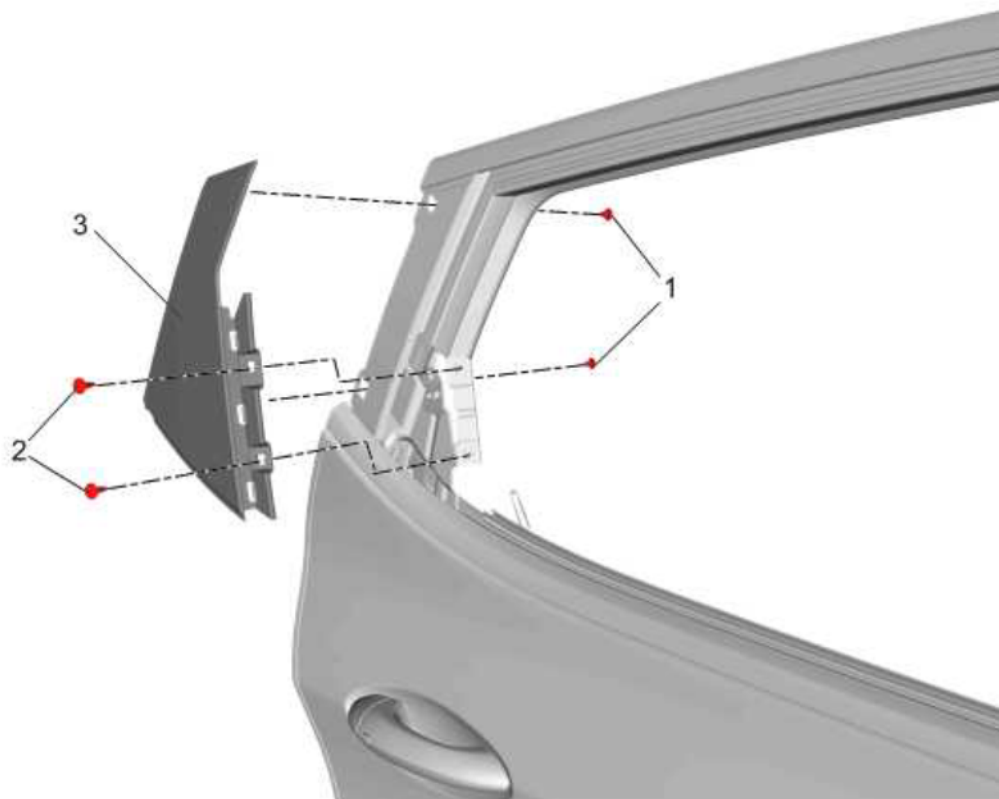


Fig. 10: Rear Side Door Window Frame Rear Applique

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Rear Side Door Weatherstrip Replacement - Door Side 2. Rear Side Door Window Weatherstrip Replacement NOTE: It is not necessary to completely remove the weatherstrip. Reposition the weatherstrips to access the fasteners.	
1	Rear Side Door Weatherstrip Upper Retainer
2	Rear Side Door Window Frame Front Applique Fastener CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
3	Rear Side Door Window Frame Front Applique 1. Use a solution of 50/50 isopropyl alcohol and water to clean the adhesive surface. 2. Peel the protective film from the foam tape and install the rear applique to the vehicle.

FRONT LICENSE PLATE BRACKET REPLACEMENT

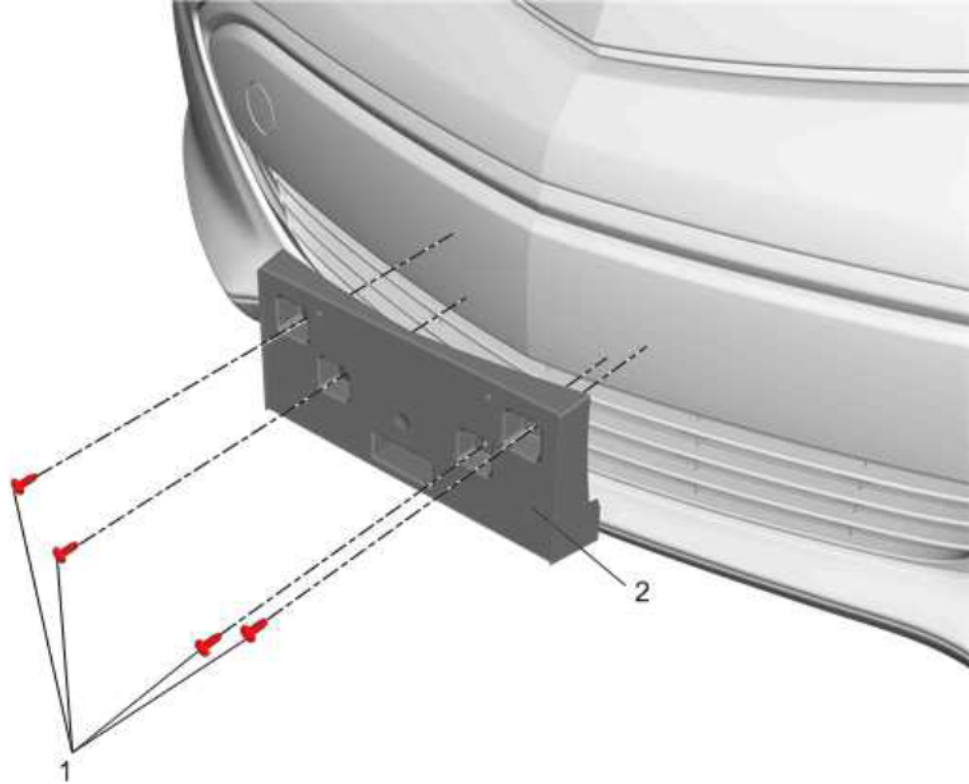


Fig. 11: Front License Plate Bracket

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front License Plate Bracket Fastener CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Front License Plate Bracket

FRONT BUMPER FASCIA TOW EYE ACCESS HOLE COVER REPLACEMENT



Fig. 12: Front Bumper Fascia Tow Eye Access Hole Cover
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Bumper Fascia Front Tow Eye Access Hole Cover
	Procedures 1. Using a small flat-bladed tool, release the cover from the front bumper fascia. 2. Using needle nose pliers, release the hook from the square in the front fascia and remove.

FRONT BUMPER FASCIA EMBLEM/NAMEPLATE REPLACEMENT

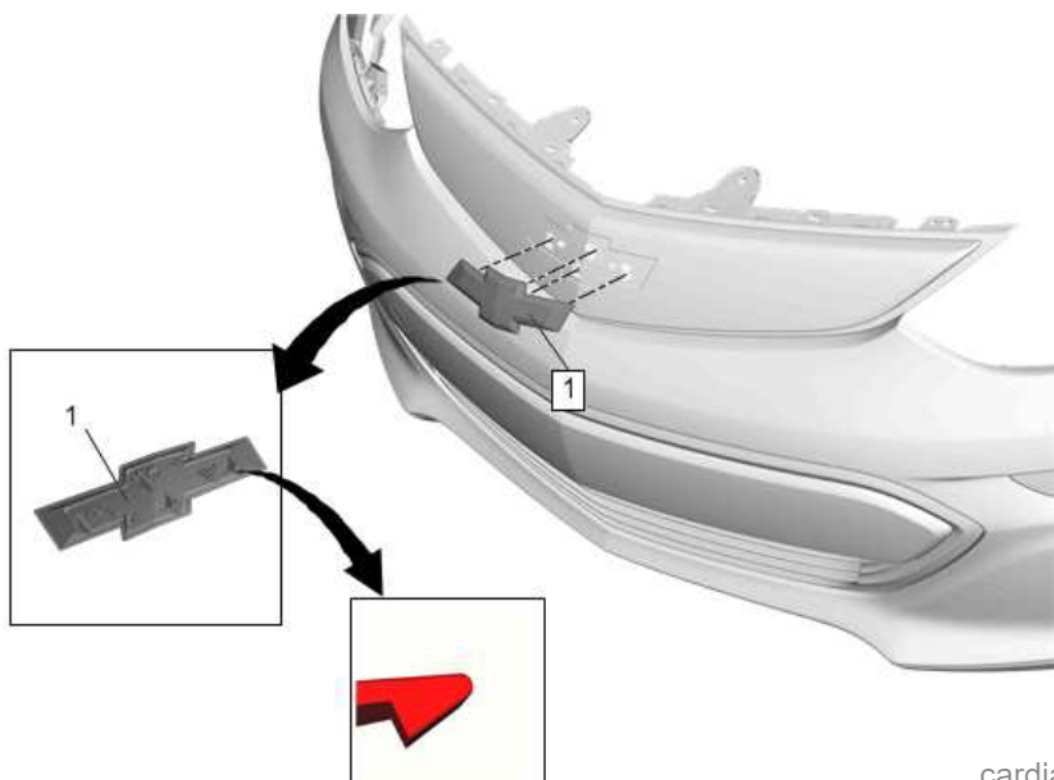


Fig. 13: Front Bumper Fascia Emblem/Nameplate
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
CAUTION: To avoid paint damage, protect the area surrounding the part which you are removing or installing.	
Preliminary Procedure Front Compartment Front Sight Shield Replacement	
1	Radiator Grille Emblem/Nameplate Procedure Using a suitable flat bladed tool, release the four locking tabs from the rear side of the front upper grille and pull radiator grille emblem from the front upper grille. NOTE: Use care when releasing the tabs, to not contact the grille. Ensure that the tabs are properly engaged upon installation.

FRONT WHEEL OPENING MOLDING REPLACEMENT

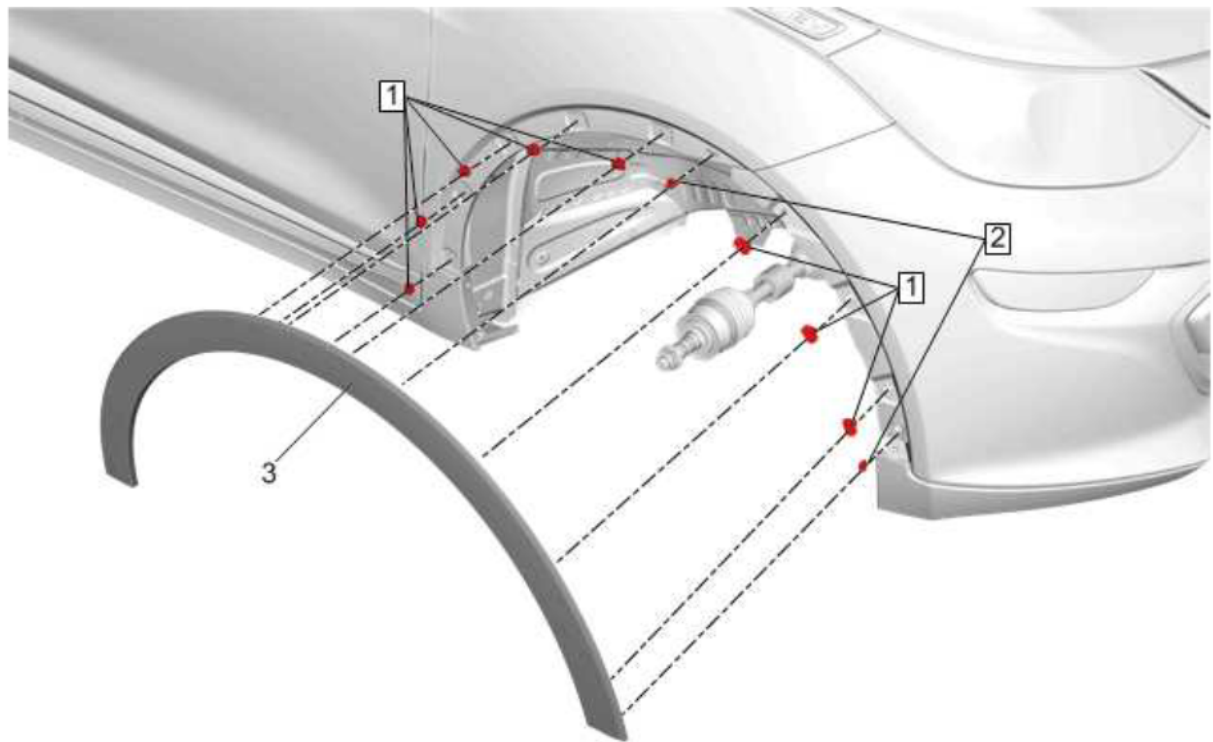


Fig. 14: Front Wheel Opening Molding
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Remove the front wheelhouse liner. Front Wheelhouse Liner Replacement	
1	Front Wheel Opening Molding Retainer
2	Front Wheel Opening Molding Clip
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Callout	Component Name
3	Front Wheel Opening Molding Procedure 1. Apply two layers of masking tape around the edge of the front wheel opening molding to prevent any paint surface damage. 2. Carefully remove the clips that attached the molding to the bumper from the inside of the front wheelhouse using pliers. 3. Work from the front fender area to the bumper area.

FRONT UPPER GRILLE REPLACEMENT

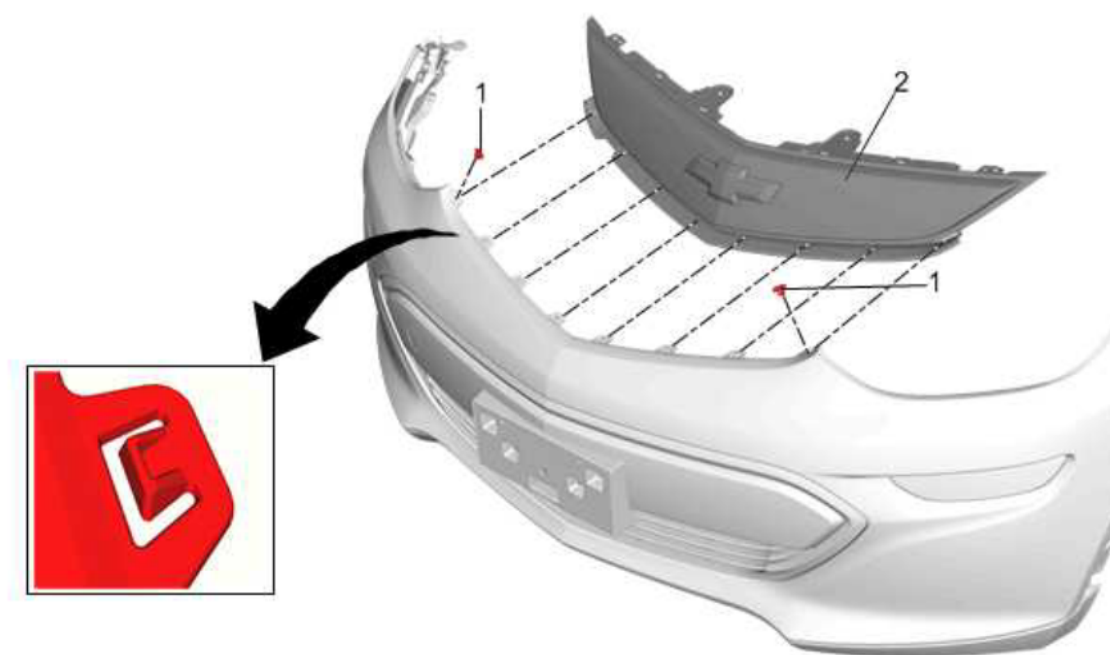


Fig. 15: Front Upper Grille

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Front Bumper Fascia Replacement (North America)</u> <u>Front Bumper Fascia Replacement (Europe, Korea)</u>	
1	Front Bumper Impact Bar Binding Band Clip
2	Front Upper Grille Procedure 1. Unclip the electrical connector from the grille. 2. Release the front upper grille from the front bumper fascia grille tabs. 3. Pull the front upper grille from the backside of the front bumper fascia. 4. Transfer components as necessary.

FRONT LOWER GRILLE REPLACEMENT

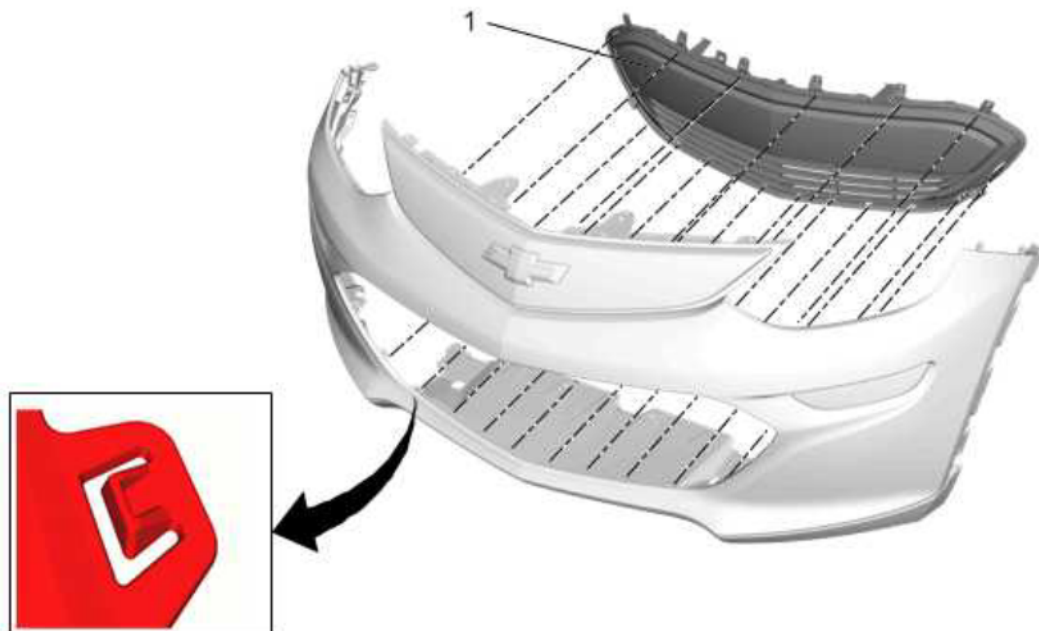


Fig. 16: Front Lower Grille

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures Front Bumper Fascia Replacement (North America) Front Bumper Fascia Replacement (Europe, Korea) Front Bumper Impact Absorber Replacement (North America) Front Bumper Impact Absorber Replacement (Europe, Korea) Ambient Air Temperature Sensor Replacement Front View Driver Information Camera Replacement - Reposition the electrical wiring harness around the front lower grille.	
1	Front Lower Grille Procedure - Release the front lower grille from the front bumper fascia grille retainers and grille tabs. - Pull the front lower grille from the backside of the front bumper fascia. - Remove the front license plate bracket as necessary. Front License Plate Bracket Replacement

BODY SIDE REAR MOLDING REPLACEMENT

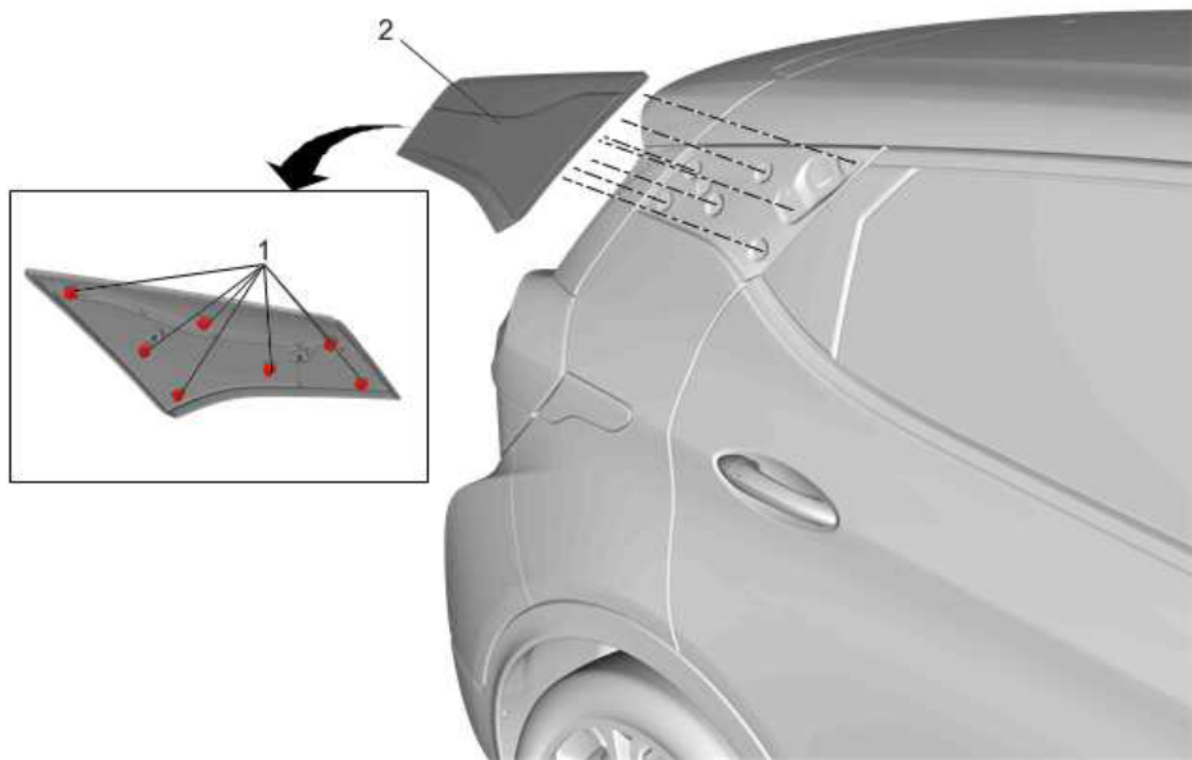


Fig. 17: Body Side Rear Molding

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
Open the rear side door and the liftgate	
1	Body Side Rear Molding Retainer
2	Body Side Rear Molding Procedure 1. Apply two layers of masking tape around the top edge of the body side rear molding to prevent any paint surface damage. 2. Starting at the front top corner, use a flat bladed plastic tool to release the front side door lower molding retainers. 3. Replace the body side rear molding retainers as needed.

FRONT SIDE DOOR MOLDING INSERT REPLACEMENT

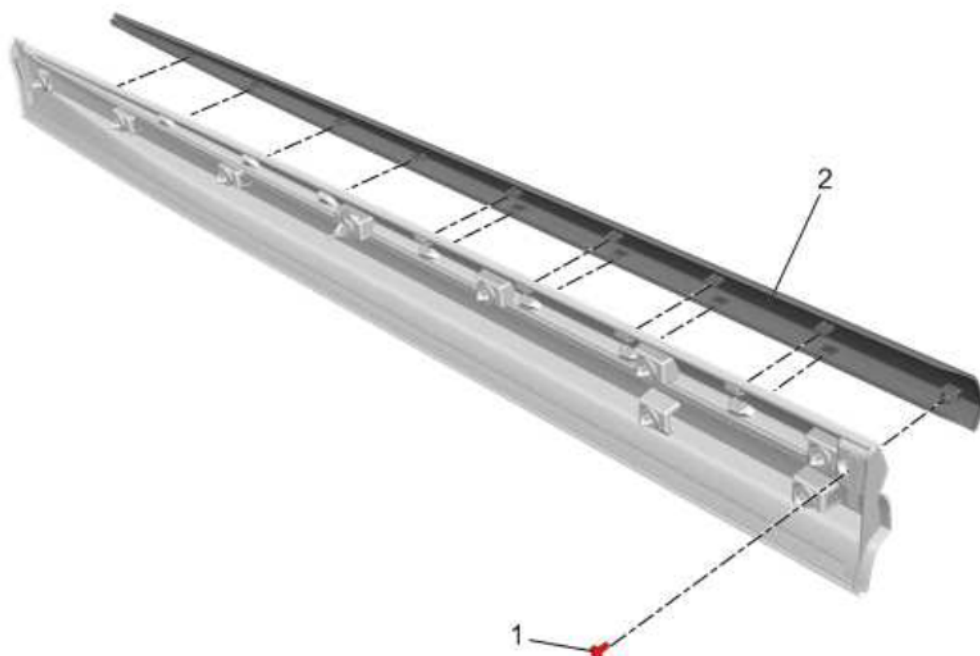


Fig. 18: Front Side Door Molding Insert
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Front Side Door Lower Molding Replacement</u>	
1	Front Side Door Molding Insert Fastener CAUTION: Refer to <u>Fastener Caution</u> . Tighten 2.5 N.m (22 lb in)
2	Front Side Door Molding Insert

FRONT SIDE DOOR LOWER MOLDING REPLACEMENT

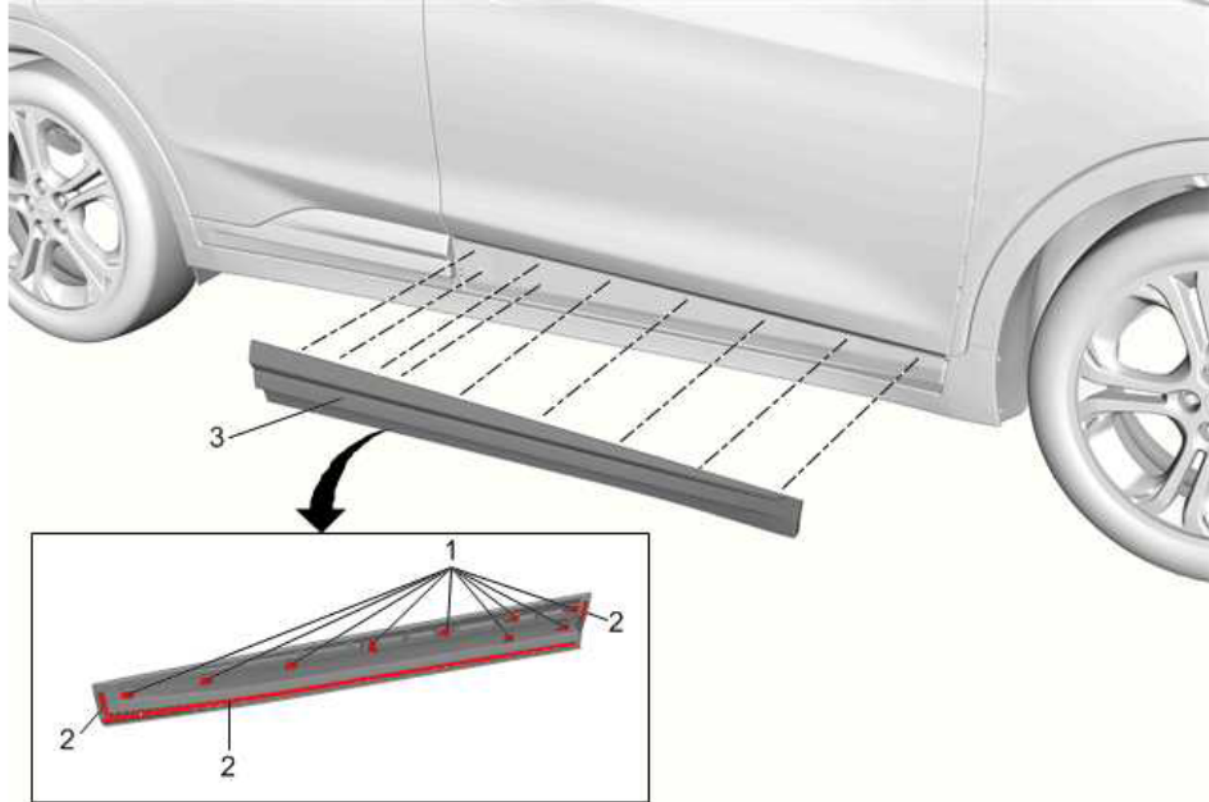


Fig. 19: Front Side Door Lower Molding
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Side Door Lower Molding Retainer
2	Front Side Door Lower Molding Double Adhesive Tape
3	Front Side Door Lower Molding Procedure 1. Apply two layers of masking tape around the top edge of the front side door lower molding to prevent any paint surface damage. 2. Starting at the front top corner using a suitable flat bladed plastic tool release the nine front side door lower molding retainers. 3. Replace the front side door lower molding retainers as needed. 4. Using a 50/50 mixture of isopropyl alcohol and clean drinkable water and a clean towel, remove the left over adhesive residue from the masking tape.

FRONT FENDER UPPER REAR MOLDING REPLACEMENT

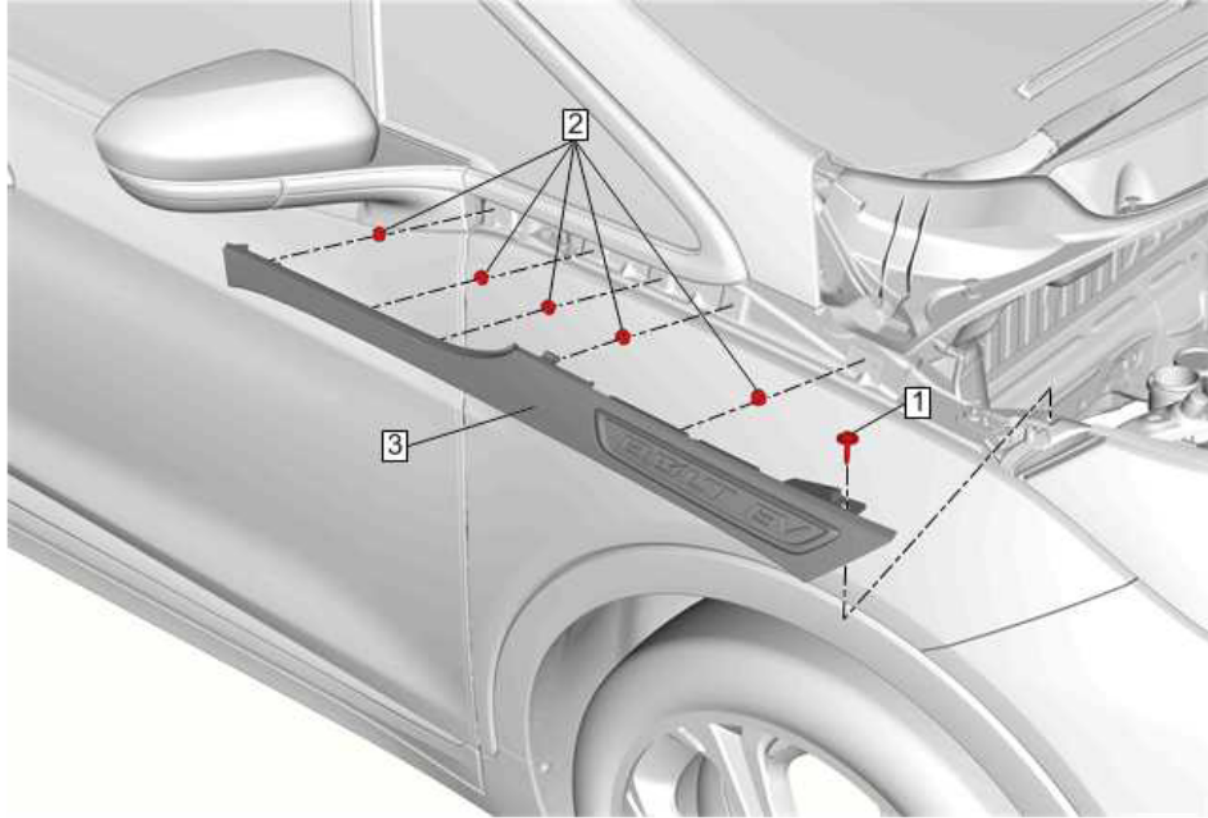


Fig. 20: Front Fender Upper Rear Molding
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Open the hood.	
1	Front Fender Upper Rear Molding Bolt CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Front Fender Upper Rear Molding Retainer Procedure Using the appropriate tool, release the five molding retainers.
3	Front Fender Upper Rear Molding Procedure Transfer components as necessary. NOTE: Transferring the emblem/nameplate is not possible, the emblem/nameplate will be damaged if it is removed from the molding.

REAR SIDE DOOR MOLDING INSERT REPLACEMENT

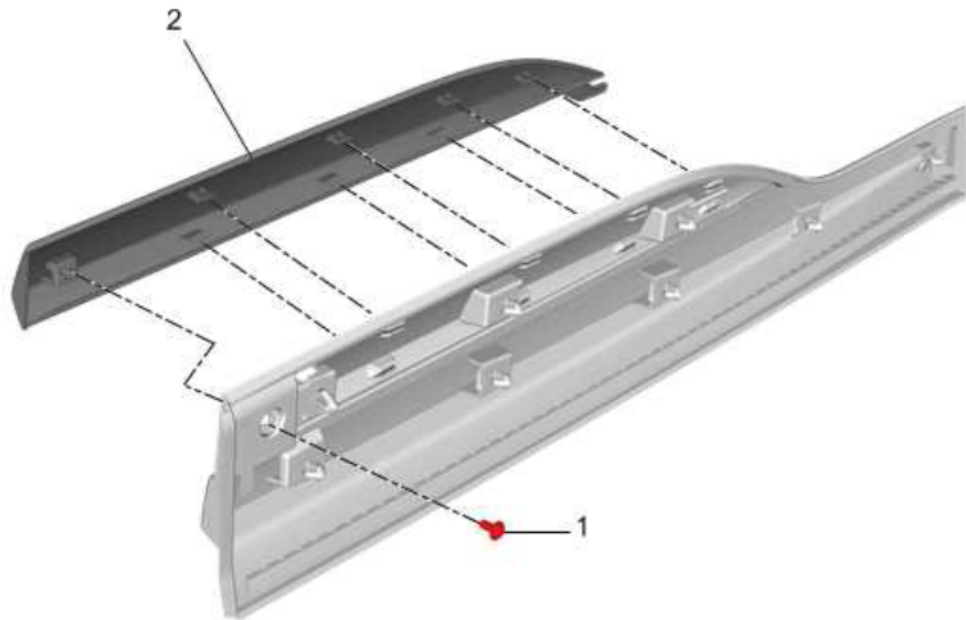


Fig. 21: Rear Side Door Molding Insert
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Rear Side Door Lower Molding Replacement	
1	Rear Side Door Molding Insert Fastener CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Rear Side Door Molding Insert

REAR SIDE DOOR LOWER MOLDING REPLACEMENT

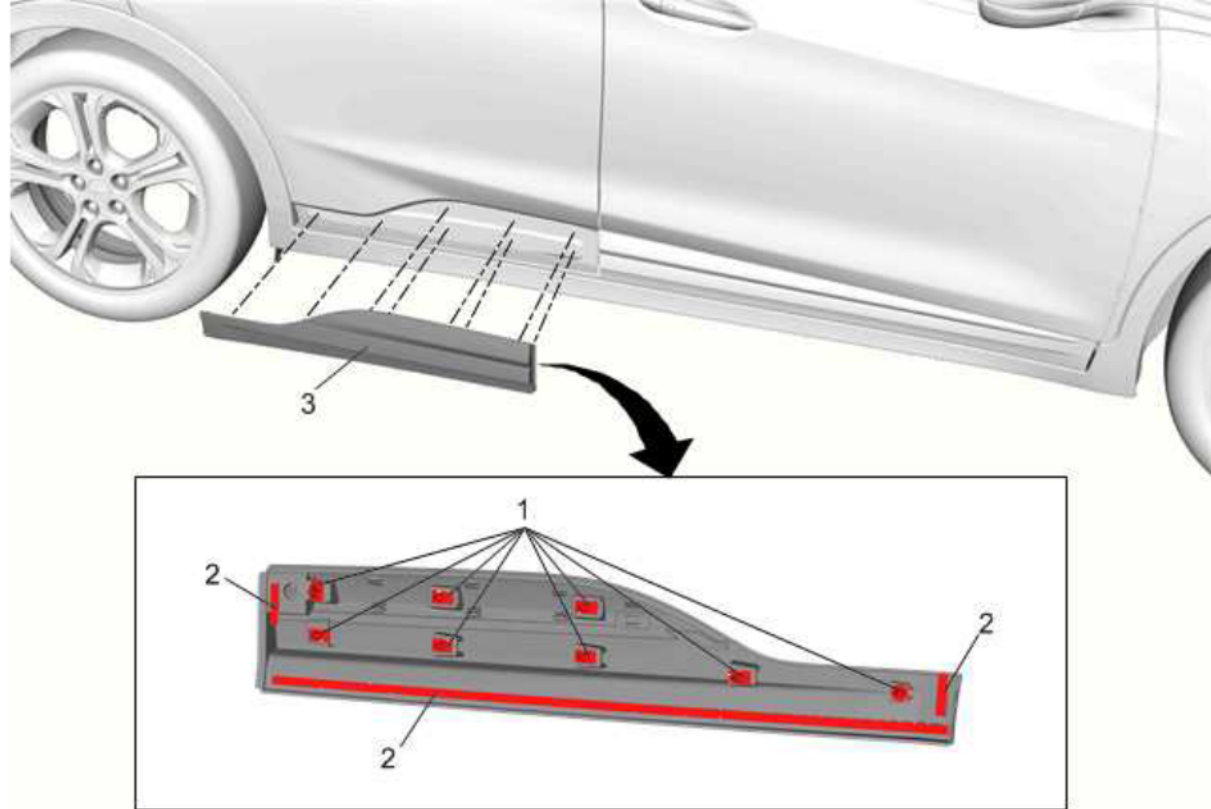


Fig. 22: Rear Side Door Lower Molding
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Rear Side Door Lower Molding Retainer
2	Rear Side Door Lower Molding Double Adhesive Tape
3	Rear Side Door Lower Molding Procedure 1. Apply two layers of masking tape around the top edge of the rear side door lower molding to prevent any paint surface damage. 2. Starting at the front top corner, use a flat bladed plastic tool release the rear side door lower molding retainers. 3. Replace the rear side door lower molding retainers as needed. 4. Using a 50/50 mixture of isopropyl alcohol and clean drinkable water and a clean towel, remove the left over adhesive residue from the masking tape.

REAR WHEEL OPENING MOLDING REPLACEMENT

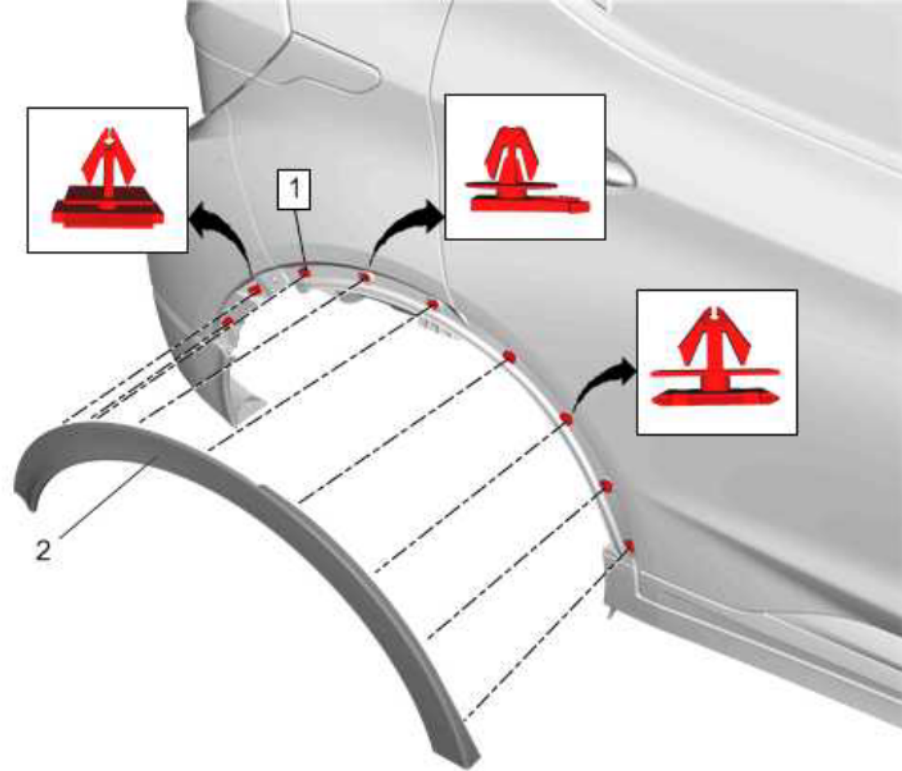


Fig. 23: Rear Wheel Opening Molding
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 1. Open the rear side door. 2. <u>Rear Wheelhouse Liner Replacement</u>	
1	Rear Wheel Opening Molding Retainer
2	Rear Wheel Opening Molding Procedure 1. Apply two layers of masking tape around the edge of the rear wheel opening molding to prevent any paint surface damage. 2. Using a trim type release tool, working from the inside fender flange area, disengage the seven retainers from the body side outer panel and then the two retainers from the rear bumper fascia. 3. Pull the rear wheel opening molding upward to slide the tab on the wheel opening molding out of the rear fascia. 4. Replace the rear wheel opening molding retainers as needed. 5. Using a 50/50 mixture of isopropyl alcohol and clean drinkable water and a clean towel, remove the left over adhesive residue from the masking tape. NOTE: After removing the molding it is mandatory to wax the retainer holes outside and from the inner wheelhouse to help prevent corrosion.

ROCKER PANEL MOLDING REPLACEMENT

Removal Procedure

1. Open both side doors in order to remove the rocker panel front molding assembly. cardiagn.com
2. Partly remove and reposition the front wheel opening molding. **Front Wheel Opening Molding Replacement**

3. Partly remove and reposition the rear wheel opening molding. [Rear Wheel Opening Molding Replacement](#)

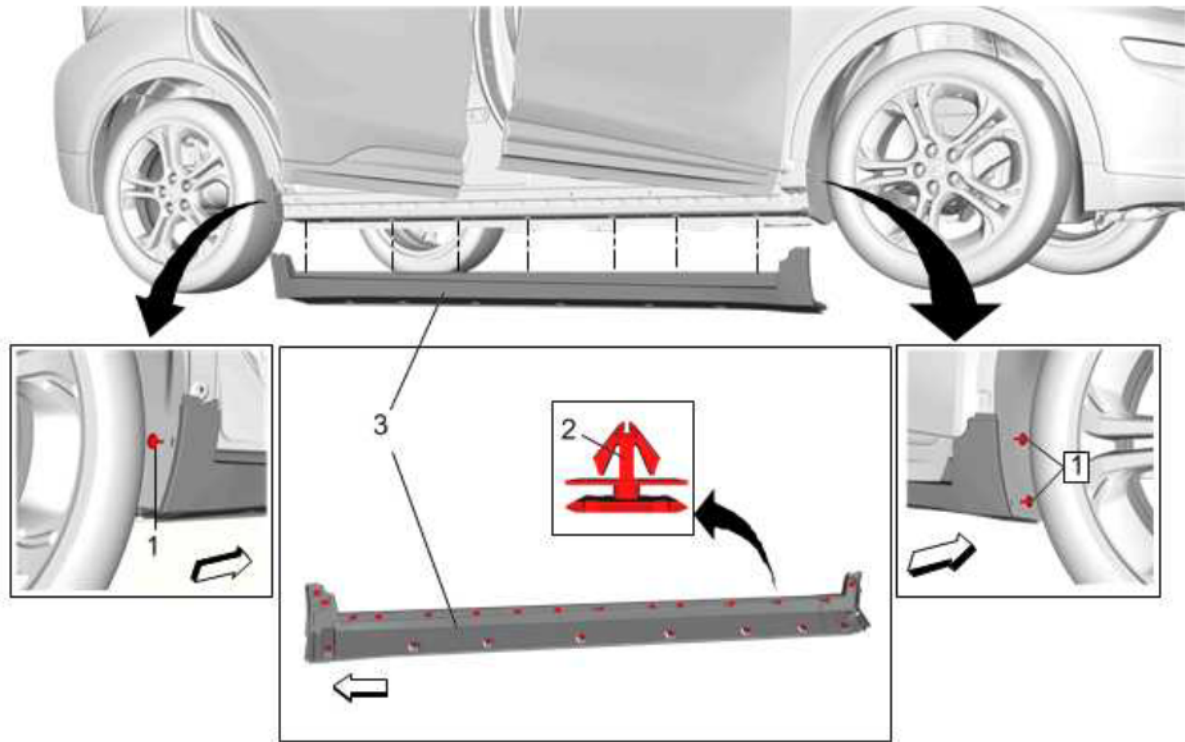


Fig. 24: Wheelhouse Liner Screw

Courtesy of GENERAL MOTORS COMPANY

4. Wheelhouse Liner Screw - Remove
5. Apply masking tape to the painted surfaces.
6. Release the fifteen side retainers.
7. Release the front lower retainer.
8. Pull the upper portion of the molding (3) away and slide the rocker molding (3) rearward to release the lower retainer from the molding (3).
9. Release the seven remaining lower rocker molding retainers from the body.

Installation Procedure

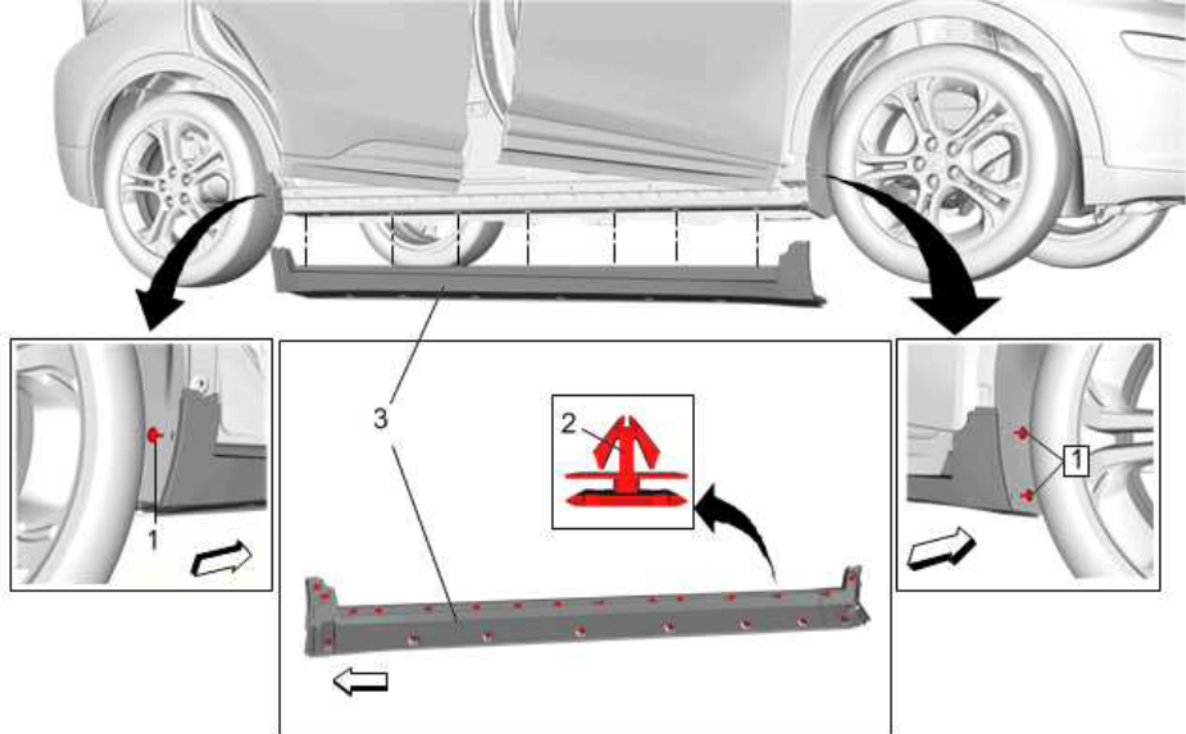


Fig. 25: Wheelhouse Liner Screw

Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#) .

1. Install new retainers as required.
2. Install the molding (3) to the vehicle and engage all retainers (2).
3. Remove the masking tape.
4. Wheelhouse Liner Screw (1) - Install to 2.5 N.m (22 lb in)
5. Install the rear wheel opening molding. [Rear Wheel Opening Molding Replacement](#)
6. Install the front wheel opening molding. [Front Wheel Opening Molding Replacement](#)
7. Close side doors.

REAR END SPOILER REPLACEMENT

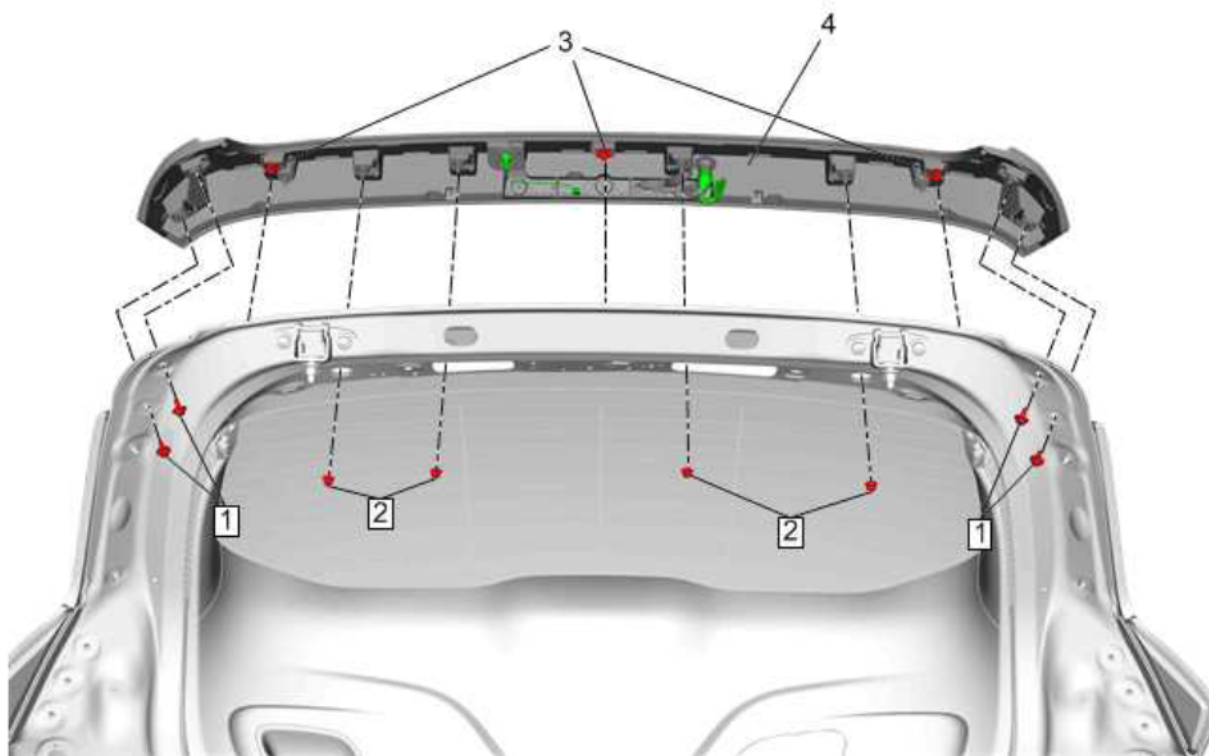


Fig. 26: Rear End Spoiler

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
<u>Liftgate Upper Center Trim Finish Panel Replacement</u>	
1	Rear End Spoiler Bolt CAUTION: Refer to <u>Fastener Caution</u> . Tighten 5 N.m (44 lb in)
2	Rear End Spoiler Nut Tighten 5 N.m (44 lb in)
3	Rear End Spoiler Retainer Procedure Using the appropriate tool, release the rear end spoiler retainers.
4	Rear End Spoiler Procedure 1. Disconnect the electrical connector. 2. Disconnect the rear window washer hose from the rear window washer nozzle. 3. Transfer components as necessary.