

ACCESSORIES & EQUIPMENT

Exterior Trim - CTS Sedan

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Radiator Grille Emblem Bolt	2.5 N.m	22 lb in
Front Outer Grille Bolts	9 N.m	80 lb in
Rear Closure Center Applique Bolts	2.5 N.m	22 lb in
Rear Closure Center Applique Nuts	4 N.m	35 lb in

VISUAL IDENTIFICATION

GRAPHICS/DECALS/EMBLEMS

IMPORTANT: The striping material highlights vehicle surface imperfections. Eliminate all of the following before applying the stripe or the decal:

- Dings
- Rough metal
- Paint defects
- Uneven 2-tone paint breaklines

IMPORTANT: Apply stripes and decals in a clean environment where dust and fibers do not interfere with proper adhesion.

1. Clean the area where you will apply the decal.
 1. Use the suitable solvents such as flash naptha, or a 50/50 mixture by volume of isopropyl alcohol and clean drinkable water.
 2. Dry the area thoroughly with a clean lint-free cloth.
 3. Repaint the area. Feather the paint in, if the paint is chipped.
2. Warm the body surface to 27-38°C (80-100°F).
3. Apply the tape stripe or the decals that wrap into the body openings or mount on flexible surfaces wet.

Use the following procedure for wet application of stripes and decals:

4. Use Dupont Duponal WA or the equivalent for a wetting agent. Do not use a soap solution.
5. Spray a mist of solution onto the body area.

6. Peel the backing away from the decal.
7. Spray the adhesive backing of the decal in hot, humid weather with a mist of the wetting solution.
8. Position the decal in the desired location on the body surface.
9. Using a dampened squeegee, starting at the center of the decal, work from the center outward in both directions.
10. Squeegee the decal, in position, onto the body, removing any air bubbles along with the wetting solution.
11. Pull the decal back onto itself in order to remove the premask from the decal.
12. Squeegee the decal again.
13. Prick any air bubbles with a pin, if present.

REPAIR INSTRUCTIONS

EMBLEM/NAMEPLATE REPLACEMENT

CAUTION: Refer to Exterior Trim Emblem Removal Caution .

1. The part and vehicle surface should be 21°C (70°F) prior to installation. The vehicle should remain inside in a temperature range of 21°C (70°F) for 1 hour after assembly to allow the adhesive to develop sufficient bond strength.
2. Using masking tape, mark two sides of the placement where the old emblem/nameplate was placed.
3. Use a heat gun or equivalent, to heat the adhesive backed emblem/nameplates.
4. A flat-bladed plastic tool can assist in the removal process.
5. Wipe the vehicle surface area with a 50/50 solution by volume of isopropyl alcohol and clean drinkable water.
6. Dry the area with a clean lint-free cotton cloth.
7. Close any doors, liftgates, endgates and rear compartment lids where emblem/nameplates are to be placed.
8. When removing protective liners from adhesive backed emblem/nameplates, be careful not to touch the adhesive tape or allow the tape to come in contact with dirt or any foreign matter prior to the placement and adhesion.
9. Remove the protective liner from the emblem/nameplate.
10. Position, align and press the emblem/nameplate to the previously marked location.
11. Using a clean towel and the palm of the hand, press firmly for approximately 30 seconds, the emblem/nameplate to the vehicle body panel surface.
12. Ensure the emblem/nameplate is attached firmly to the body panel surface.
13. Remove the masking tape and clean all tape residue from the vehicle body panel surface around the emblem/nameplate attachment location.

BODY PANEL PAINT PROTECTOR REPLACEMENT

1. The paint protective film and vehicle surface temperature should be 13-32°C (55-90°F) for best results.
2. Automatic car washes should be avoided for at least 24 hours after the paint protective film application.
3. Wipe the vehicle surface with isopropyl alcohol or flash naptha at the application area.
4. Dry the surface with a clean lint-free cloth.
5. Create a mixture of 25 percent isopropyl alcohol and 75 percent water and two drops of baby shampoo per 16 oz of fluid mixture.
6. Remove the backing liner from the protective film patch.
7. Use the solution to liberally spray the adhesive side of the protective patch, the mounting location along with your hands.
8. Position the paint protective film patch to the desired location on the vehicle.
9. Spray the surface of the film with the alcohol, water and soap solution.
10. Using a dampened squeegee, start at the center of the protective patch, working outward in order to remove the air and solution from under the protective patch.
11. Release any air bubbles with a pin.
12. Dry the surface with a clean, lint-free cotton cloth.

FRONT SIDE DOOR CHECK LINK COVER REPLACEMENT

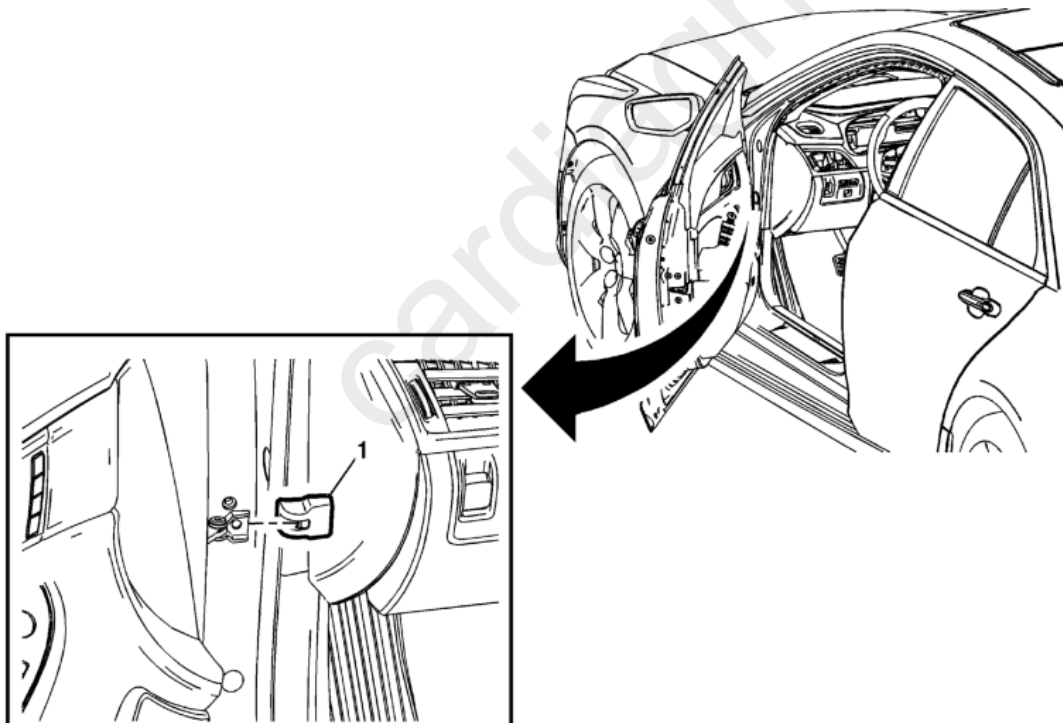


Fig. 1: Front Side Door Check Link Cover
 Courtesy of GENERAL MOTORS COMPANY

Front Side Door Check Link Cover Replacement

Callout	Component Name
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Preliminary Procedure

Remove the front side door check link bolt. Refer to **Front Side Door Check Link Replacement** .

1	Front Side Door Check Link Cover Procedure Slide the front side door check link cover over the end of the front side door check link.
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REAR CLOSURE CENTER APPLIQUE REPLACEMENT

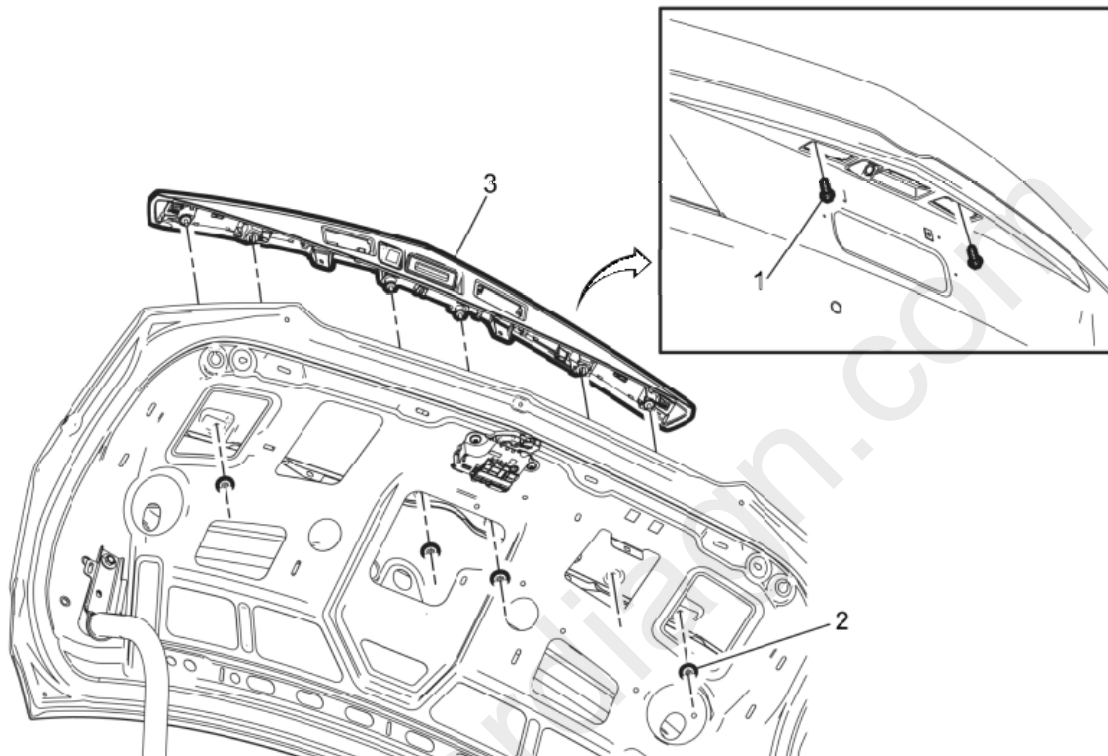


Fig. 2: Rear Closure Center Applique

Courtesy of GENERAL MOTORS COMPANY

Rear Closure Center Applique Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the rear license plate lamp. Refer to <u>Rear License Plate Lamp Replacement</u> .	
2. Remove the rear compartment lid inner panel trim. Refer to <u>Rear Compartment Lid Inner Panel Trim Replacement</u> .	
1	Rear Closure Center Applique Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> .

	Tighten 2.5 (22 lb in)
2	Rear Closure Center Applique Nut (Qty: 4) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 4 (35 lb in)
3	Rear Closure Center Applique Procedure 1. Disconnect the electrical connector. 2. Release the two locating retainers attaching the applique to the compartment lid. 3. Disengage the electrical harness grommet and pull the rear closure center applique from the rear compartment lid. 4. Transfer parts as needed.

FRONT SIDE DOOR SILL TRIM PLATE REPLACEMENT

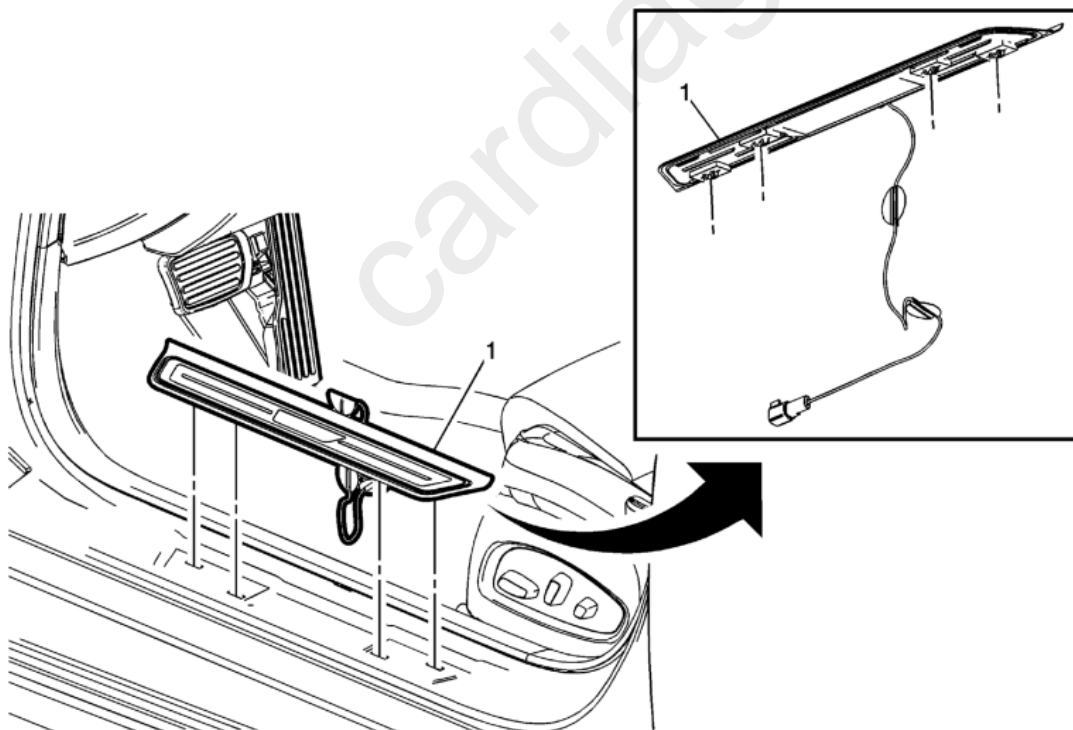


Fig. 3: Front Side Door Sill Trim Plate
Courtesy of GENERAL MOTORS COMPANY

Front Side Door Sill Trim Plate Replacement

Callout	Component Name
Preliminary Procedure Remove the front side door sill garnish molding. Refer to <u>Front Side Door Sill Garnish Molding Replacement</u> .	
1	Front Side Door Sill Trim Plate
	Procedure 1. Reposition carpet to access the electrical connector and disconnect. 2. Reposition the lower portion of the front side door weatherstrip - body side and reposition the sill trim plate wire harness. 3. With a suitable plastic flat bladed tool start at either end and release the 4 front side door sill trim plate spring clips.

REAR SIDE DOOR SILL TRIM PLATE REPLACEMENT

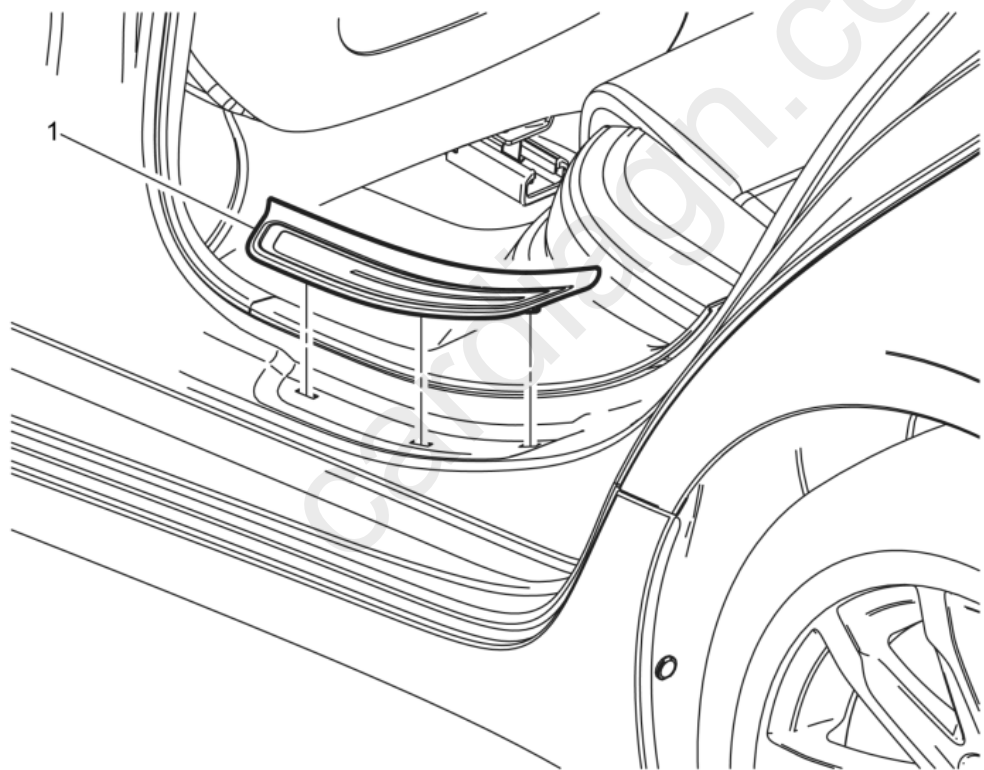


Fig. 4: Rear Side Door Sill Trim Plate
Courtesy of GENERAL MOTORS COMPANY

Rear Side Door Sill Trim Plate Replacement

Callout	Component Name
Preliminary Procedure Open rear side door.	

1

Rear Side Door Sill Trim Plate

Procedure

With a suitable plastic flat bladed tool start at either end and release the 3 rear side door sill trim plate spring clips.

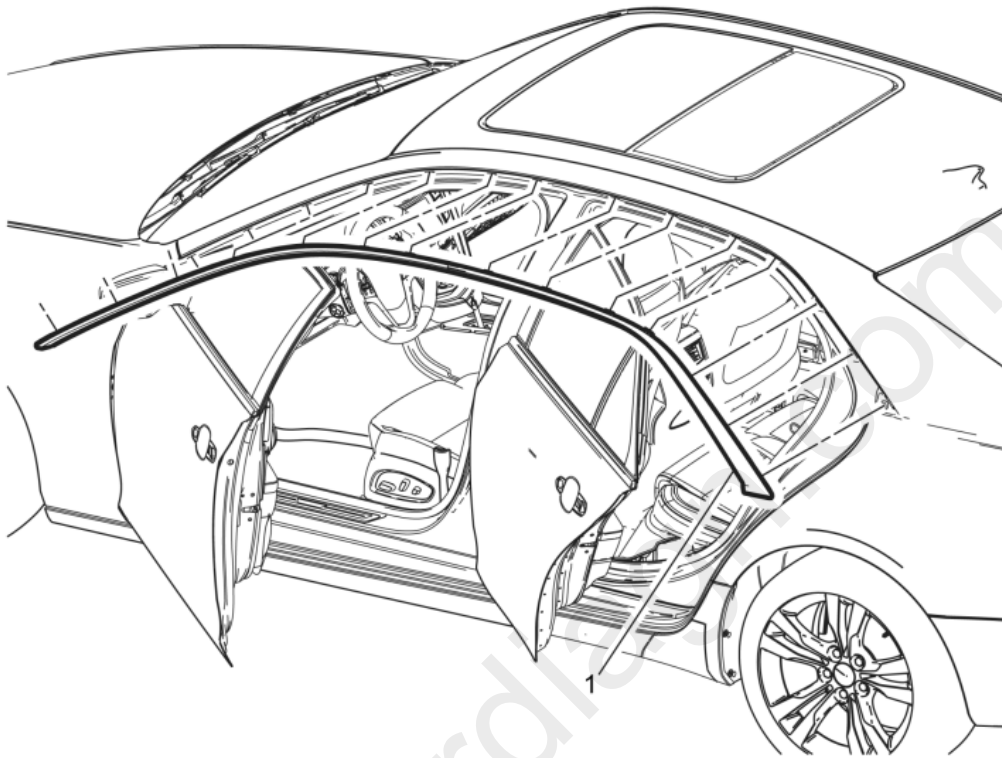
BODY SIDE WINDOW REVEAL MOLDING REPLACEMENT

Fig. 5: Body Side Window Reveal Molding

Courtesy of GENERAL MOTORS COMPANY

Body Side Window Reveal Molding Replacement

Callout	Component Name
Procedure Open both front and rear side doors.	
1	Body Side Window Reveal Molding Procedure 1. Apply a suitable tape to protect the paint. 2. With a trim type release tool start from the rear end and release the 3 retainers. 3. Firmly grasp the body side window reveal molding and pull down to release the remaining retainers.

FRONT BUMPER FASCIA FRONT TOW HOOK ACCESS HOLE COVER REPLACEMENT

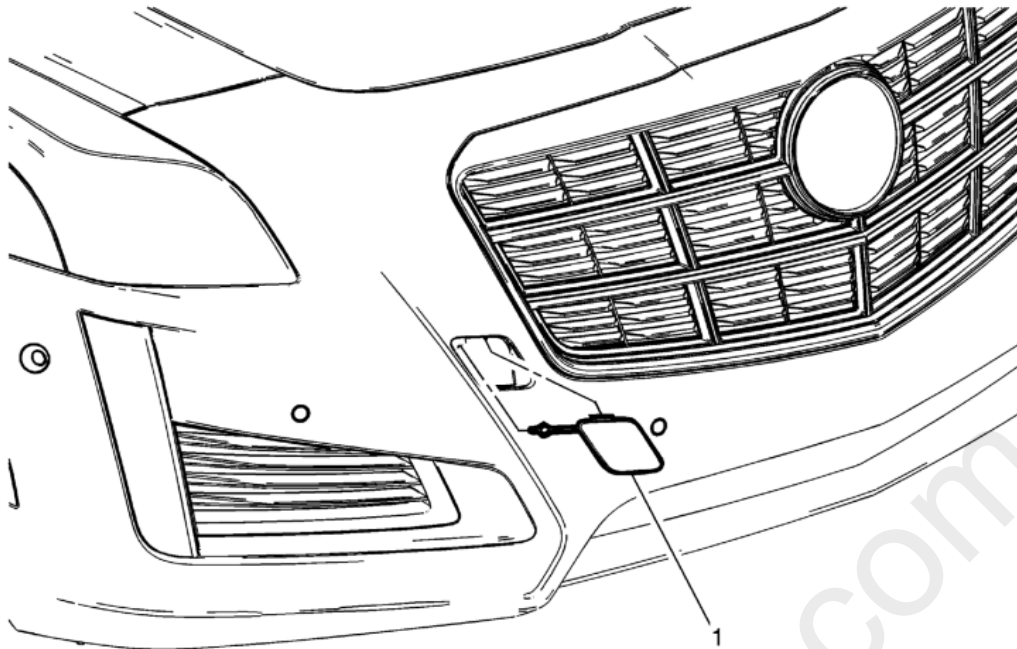


Fig. 6: Front Bumper Fascia Front Tow Hook Access Hole Cover
 Courtesy of GENERAL MOTORS COMPANY

Front Bumper Fascia Front Tow Hook Access Hole Cover Replacement

Callout	Component Name
1	Front Bumper Fascia Front Tow Hook Access Hole Cover Procedure 1. Using a small plastic flat-bladed tool release the bottom locking tab and pull down from the front bumper fascia. 2. Using needle nose pliers release the v-notch hook from the retainer hole in the front bumper fascia and remove.

RADIATOR GRILLE EMBLEM/NAMEPLATE REPLACEMENT (UGN)

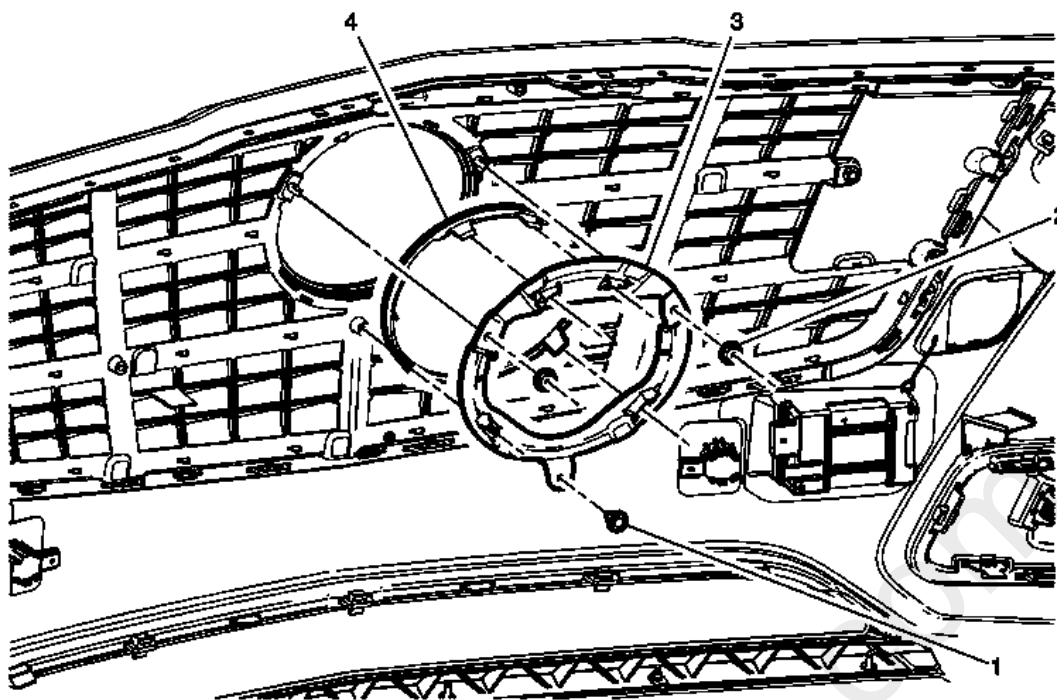


Fig. 7: Radiator Grille Emblem/Nameplate (UGN)

Courtesy of GENERAL MOTORS COMPANY

Radiator Grille Emblem/Nameplate Replacement (UGN)

Callout	Component Name
Preliminary Procedure	
Remove the front bumper fascia. Refer to Front Bumper Fascia Replacement .	
1	Emblem Adapter Plate Bolt CAUTION: Refer to Fastener Caution .
2	Emblem Adapter Plate Nut (Qty: 2) CAUTION: Refer to Fastener Caution .
3	Emblem Adapter Plate
4	Front Grille Emblem Procedure With a suitable flat bladed tool release the 4 retaining tabs and separate from the emblem adapter plate.

RADIATOR GRILLE EMBLEM/NAMEPLATE REPLACEMENT (LTG, LFX)

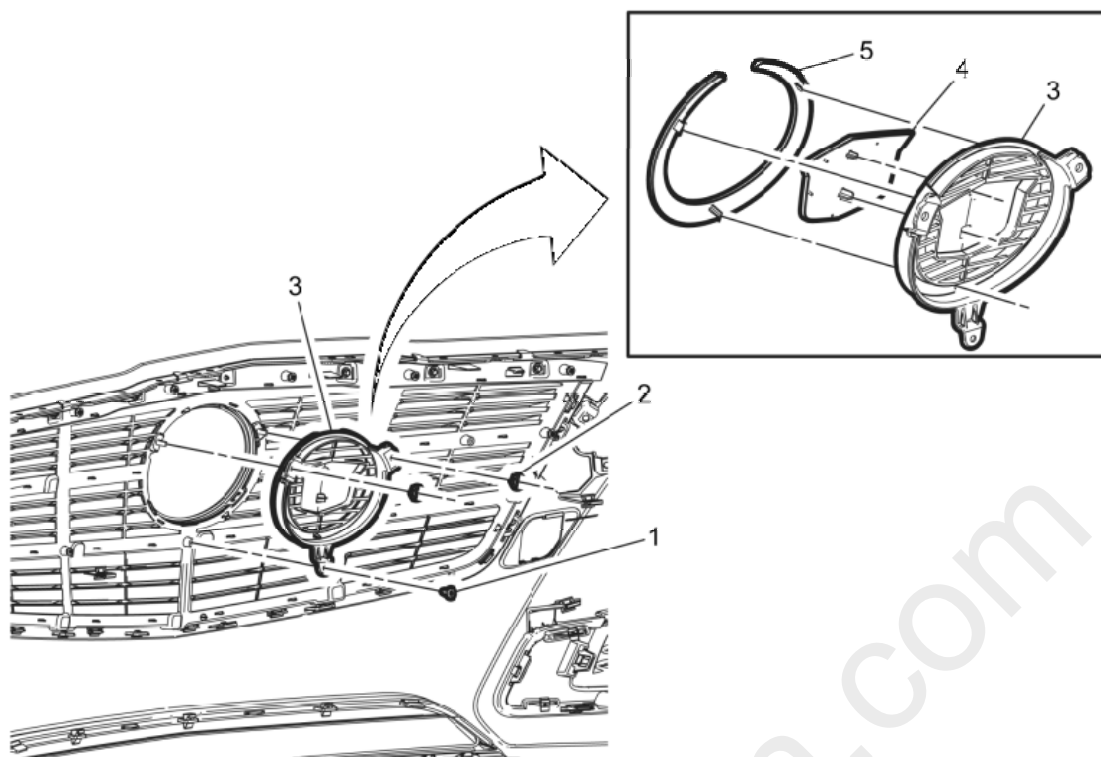


Fig. 8: Radiator Grille Emblem/Nameplate (LTG, LFX)
 Courtesy of GENERAL MOTORS COMPANY

Radiator Grille Emblem/Nameplate Replacement (LTG, LFX)

Callout	Component Name
Preliminary Procedure Remove the front bumper lower shutter. Refer to Front Bumper Lower Shutter Replacement .	
1	Front Outer Grille Bolt CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Front Outer Grille Nut (Qty: 2) CAUTION: Refer to Fastener Caution .
3	Front Outer Grille
	Radiator Grille Emblem (Crest) CAUTION: Refer to Exterior Trim Emblem Removal Caution .

4	Procedure 1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a heat gun or equivalent to remove the radiator grille emblem. Use a plastic flat bladed tool to assist in removal. 3. 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. 4. 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. 5. Using the palm of the hand press evenly to ensure full adhesion is made.
5	Radiator Grille Emblem (Wreath) CAUTION: Refer to <u>Exterior Trim Emblem Removal Caution</u> . Procedure 1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a heat gun or equivalent to remove the radiator grille emblem. Use a plastic flat bladed tool to assist in removal. 3. 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. 4. 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. 5. Using the palm of the hand press evenly to ensure full adhesion is made.

RADIATOR GRILLE EMBLEM/NAMEPLATE REPLACEMENT (LF3)

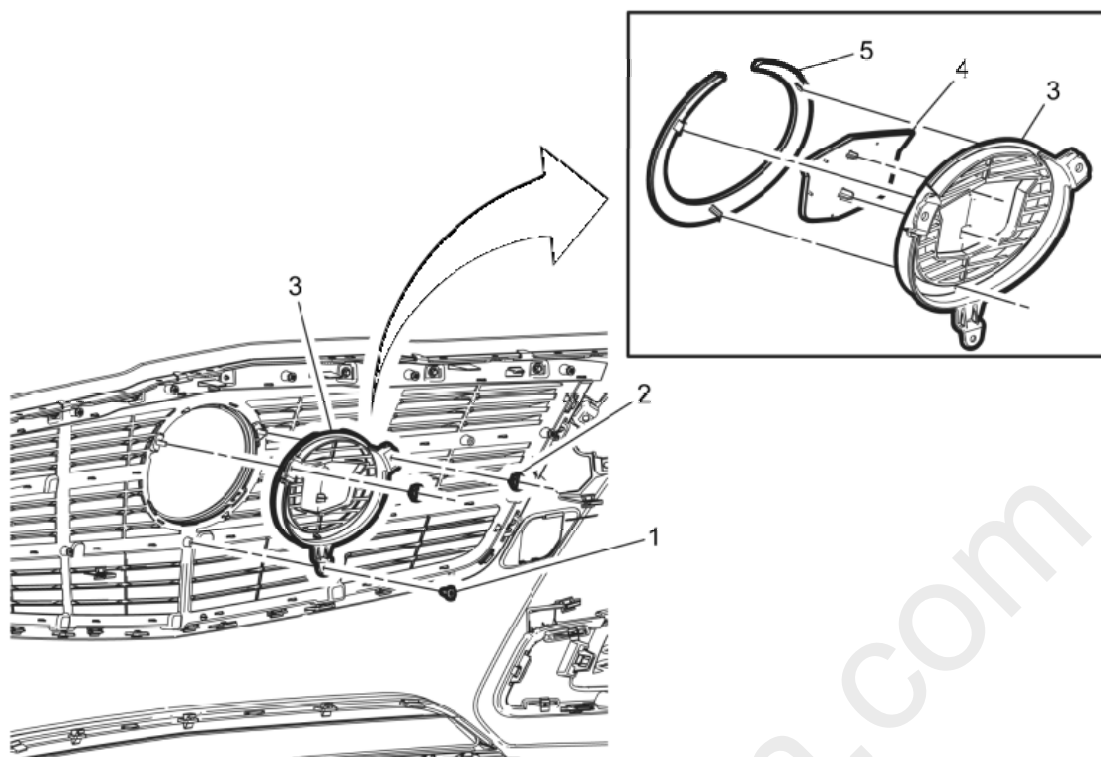


Fig. 9: Radiator Grille Emblem/Nameplate (LF3)
 Courtesy of GENERAL MOTORS COMPANY

Radiator Grille Emblem/Nameplate Replacement (LF3)

Callout	Component Name
Preliminary Procedure Remove the front bumper energy absorber. Refer to Front Bumper Fascia Energy Absorber Replacement .	
1	Front Outer Grille Bolt CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Front Outer Grille Nut (Qty: 2) CAUTION: Refer to Fastener Caution .
3	Front Outer Grille
	Radiator Grille Emblem (Crest) CAUTION:

4	Refer to <u>Exterior Trim Emblem Removal Caution</u> . Procedure 1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a heat gun or equivalent to remove the radiator grille emblem. Use a plastic flat bladed tool to assist in removal. 3. 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. 4. 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. 5. Using the palm of the hand press evenly to ensure full adhesion is made.
5	Radiator Grille Emblem (Wreath) CAUTION: Refer to <u>Exterior Trim Emblem Removal Caution</u> . Procedure 1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a heat gun or equivalent to remove the radiator grille emblem. Use a plastic flat bladed tool to assist in removal. 3. 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. 4. 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. 5. Using the palm of the hand press evenly to ensure full adhesion is made.

REAR COMPARTMENT LID EMBLEM/NAMEPLATE REPLACEMENT

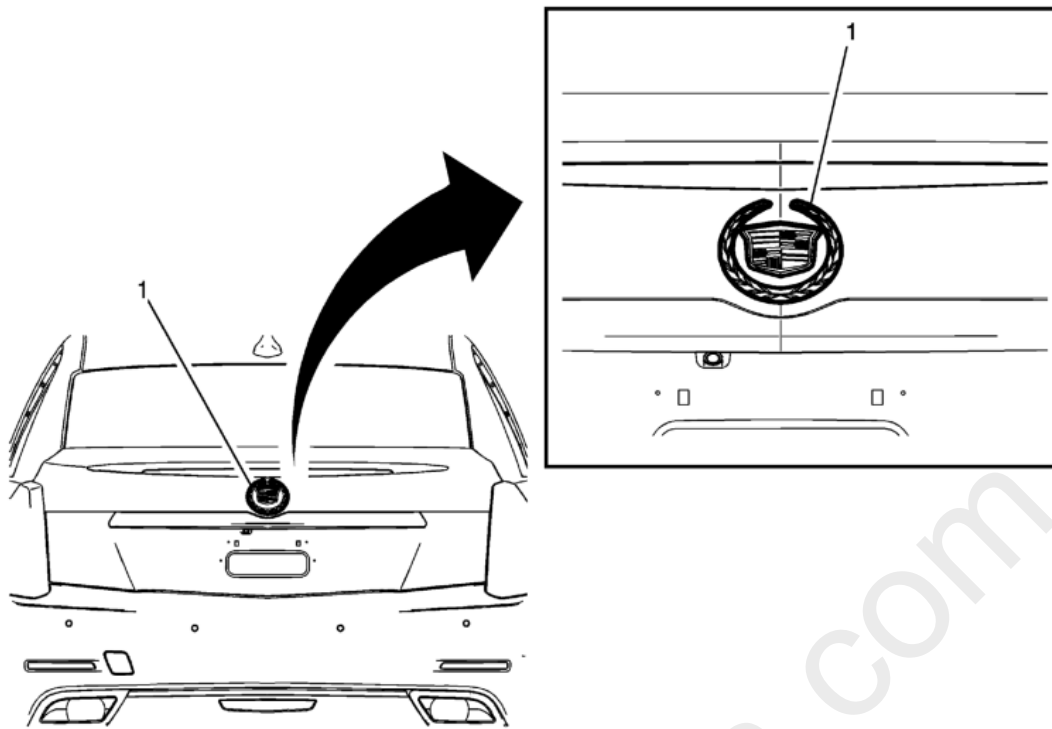


Fig. 10: Rear Compartment Lid Emblem/Nameplate
 Courtesy of GENERAL MOTORS COMPANY

Rear Compartment Lid Emblem/Nameplate Replacement

Callout	Component Name
1	Rear Compartment Lid Emblem/Nameplate CAUTION: Refer to <u>Exterior Trim Emblem Removal Caution</u> . Procedure 1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a heat gun or equivalent to remove the rear compartment lid nameplate. Use a plastic flat bladed tool to assist in removal. 3. 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. 4. 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. 5. Using the palm of the hand, wet out the rear compartment lid nameplate to ensure full adhesion is made.

REAR COMPARTMENT LID NAMEPLATE REPLACEMENT

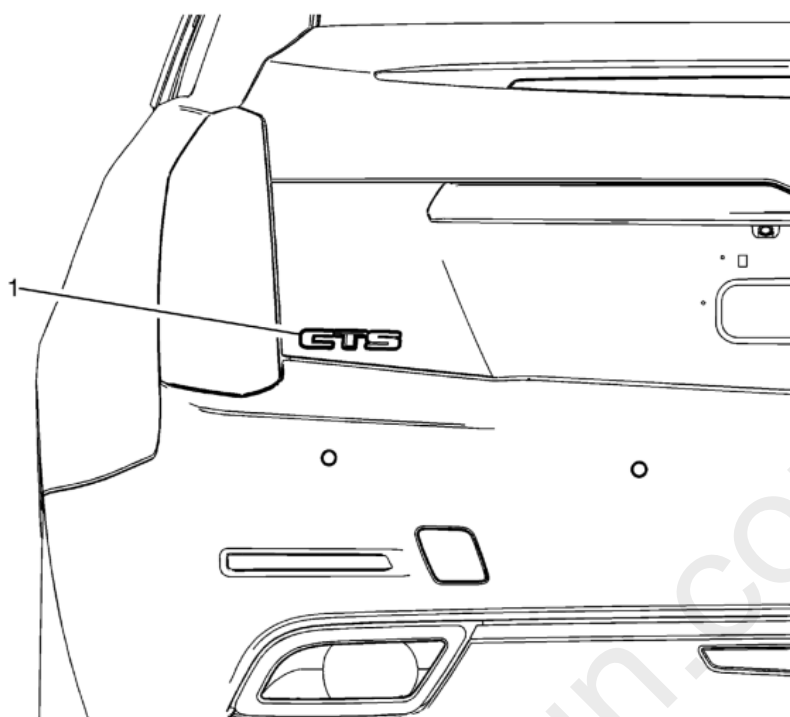


Fig. 11: Rear Compartment Lid Nameplate
Courtesy of GENERAL MOTORS COMPANY

Rear Compartment Lid Nameplate Replacement

Callout	Component Name
1	Rear Compartment Lid Nameplate CAUTION: Refer to <u>Exterior Trim Emblem Removal Caution</u> . Procedure 1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a heat gun or equivalent to remove the rear compartment lid nameplate. Use a plastic flat bladed tool to assist in removal. 3. 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. 4. 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.

5. Using the palm of the hand, wet out the rear compartment lid nameplate to ensure full adhesion is made.

REAR COMPARTMENT LID ENGINE NAMEPLATE REPLACEMENT (2.0T)

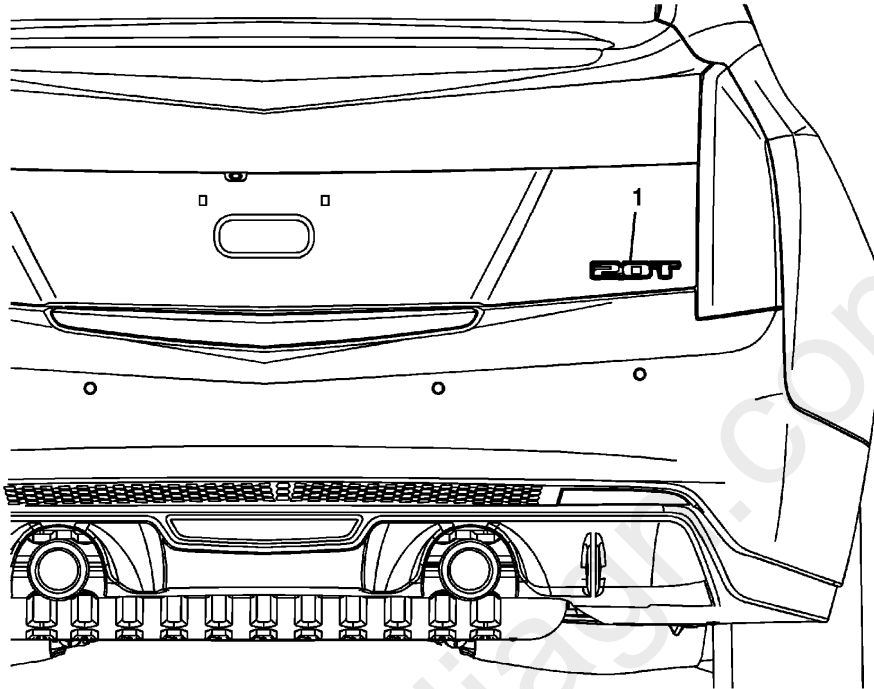


Fig. 12: Rear Compartment Lid Engine Nameplate (2.0T)

Courtesy of GENERAL MOTORS COMPANY

Rear Compartment Lid Engine Nameplate Replacement (2.0T)

Callout	Component Name
1	Rear Compartment Lid Engine Nameplate (2.0T) CAUTION: Refer to <u>Exterior Trim Emblem Removal Caution</u> . Procedure 1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a heat gun or equivalent to remove the rear compartment lid engine nameplate. Use a plastic flat bladed tool to assist in removal. 3. 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.

4. 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.
5. Using the palm of the hand, wet out the rear compartment lid engine nameplate to ensure full adhesion is made.

REAR COMPARTMENT LID ENGINE NAMEPLATE REPLACEMENT (3.6)

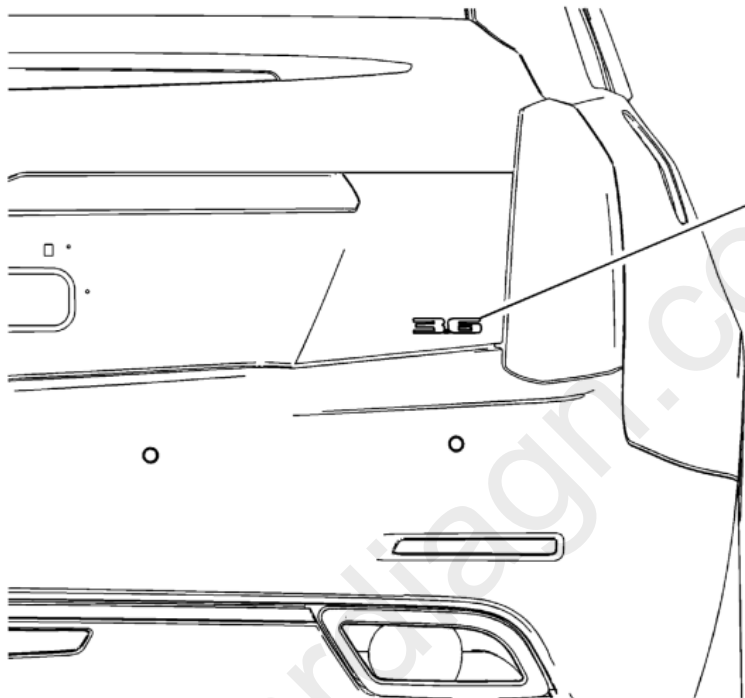


Fig. 13: Rear Compartment Lid Engine Nameplate (3.6)
 Courtesy of GENERAL MOTORS COMPANY

Rear Compartment Lid Engine Nameplate Replacement (3.6)

Callout	Component Name
1	Rear Compartment Lid Engine Nameplate (3.6) CAUTION: Refer to <u>Exterior Trim Emblem Removal Caution</u> . Procedure 1. The part and surface should be 21°C (70°F) prior to installation. The vehicle should remain 21°C (70°F) for one hour after assembly to allow adhesive to develop sufficient bond strength. 2. Use a heat gun or equivalent to remove the rear compartment lid engine nameplate.

Use a plastic flat bladed tool to assist in removal.

3. 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.
4. 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.
5. Using the palm of the hand, wet out the rear compartment lid engine nameplate to ensure full adhesion is made.

FRONT UPPER GRILLE REPLACEMENT

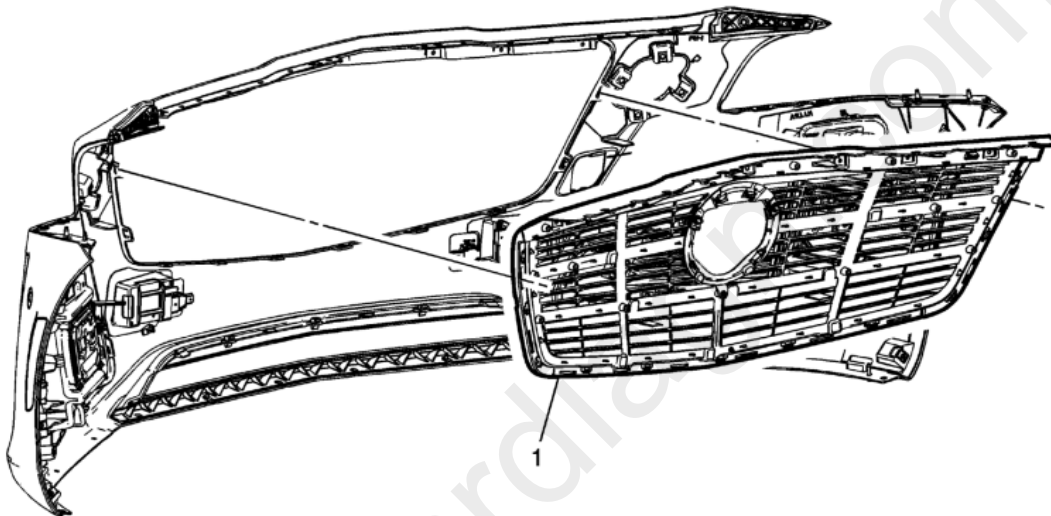


Fig. 14: Front Upper Grille

Courtesy of GENERAL MOTORS COMPANY

Front Upper Grille Replacement

Callout	Component Name
Preliminary Procedure Remove the front outer grille. Refer to Front Outer Grille Replacement .	
1	Front Upper Grille Procedure Release the 10 locking tabs from the front upper grille and pull from the front bumper fascia.

FRONT OUTER GRILLE REPLACEMENT

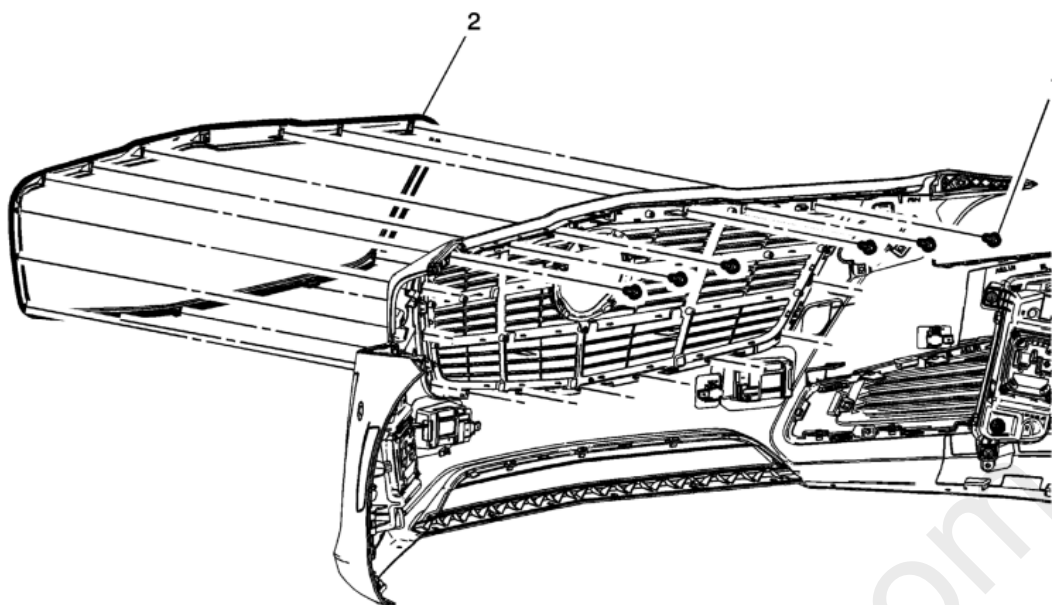


Fig. 15: Front Outer Grille
 Courtesy of GENERAL MOTORS COMPANY

Front Outer Grille Replacement

Callout	Component Name
Preliminary Procedures 1. Remove the windshield wiper arms. Refer to <u>Windshield Wiper Arm Replacement</u> . 2. Remove the front bumper lower shutter, if equipped. Refer to <u>Front Bumper Lower Shutter Replacement</u> .	
1	Front Outer Grille Bolt (Qty: 6) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 9 N.m(80 lb in)
2	Front Outer Grille Procedure Release the 11 locking tabs from the front outer grille and pull from the front bumper fascia.

ROCKER PANEL MOLDING REPLACEMENT

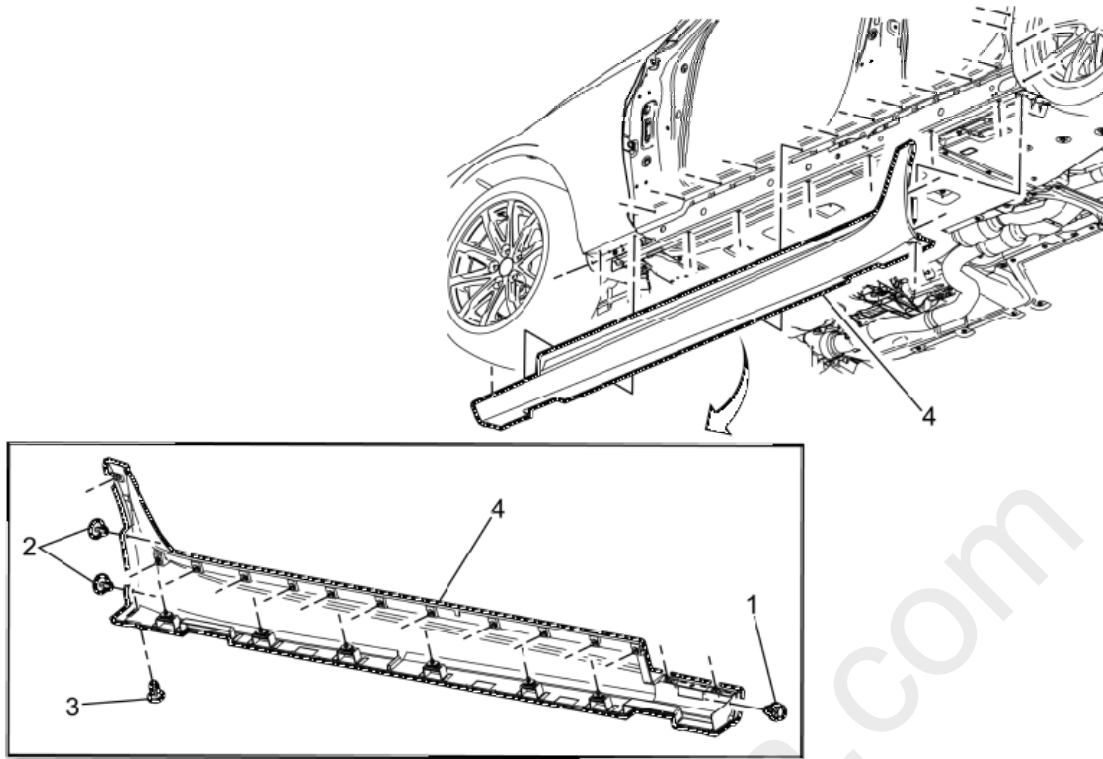


Fig. 16: Rocker Panel Molding
Courtesy of GENERAL MOTORS COMPANY

Rocker Panel Molding Replacement

Callout	Component Name
Preliminary Procedure Open both front and rear side doors.	
1	Front Wheelhouse Liner Retainer
2	Rear Wheelhouse Liner Retainer (Qty: 2)
3	Rear Tire Front Air Deflector Screw CAUTION: Refer to <u>Fastener Caution</u> .
4	Rocker Panel Molding Procedure 1. Release the 2 rocker panel molding retainers from the front fender. 2. From the bottom edge firmly pull down the rocker panel molding (6 retainers) from the rocker outer panel. 3. From the top edge firmly pull out the rocker panel molding (12 retainers) from the body side outer panel and remove from the vehicle.