

2010 ACCESSORIES & EQUIPMENT

Bolted Exterior Body Panels and Closures - Equinox & Terrain

SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Application	Specification	
	Metric	English
Front Fender Bolts	10 N.m	89 lb in
Front Side Door Check Link Bolt	25 N.m	18 lb ft
Front Side Door Check Link Nuts	10 N.m	89 lb in
Front Side Door Hinge Bolts	36 N.m	27 lb ft
Front Side Door Hinge to Body Bolts	36 N.m	27 lb ft
Front Side Door Lower Bolt to Door	25 N.m	18 lb ft
Front Side Door Upper Bolt to Door	25 N.m	18 lb ft
Hood Hinge Bolts	25 N.m	18 lb ft
Hood Hinge Nuts	25 N.m	18 lb ft
Hood Hinge Reinforcement Nuts	25 N.m	18 lb ft
Hood Primary and Secondary Latch Bolts	25 N.m	18 lb ft
Liftgate Hinge Bolts	25 N.m	18 lb ft
Liftgate Hinge Nuts	25 N.m	18 lb ft
Liftgate Wedge Retainers	7 N.m	62 lb in
Rear Side Door Check Link Bolts	25 N.m	18 lb ft
Rear Side Door Check Link Nut	10 N.m	89 lb in
Rear Side Door Hinge Bolts	36 N.m	27 lb ft
Rear Side Door Hinge to Body Bolts	36 N.m	27 lb ft
Rear Side Door Hinge to Door Bolts	25 N.m	18 lb ft

REPAIR INSTRUCTIONS

HOOD PRIMARY LATCH RELEASE CABLE REPLACEMENT

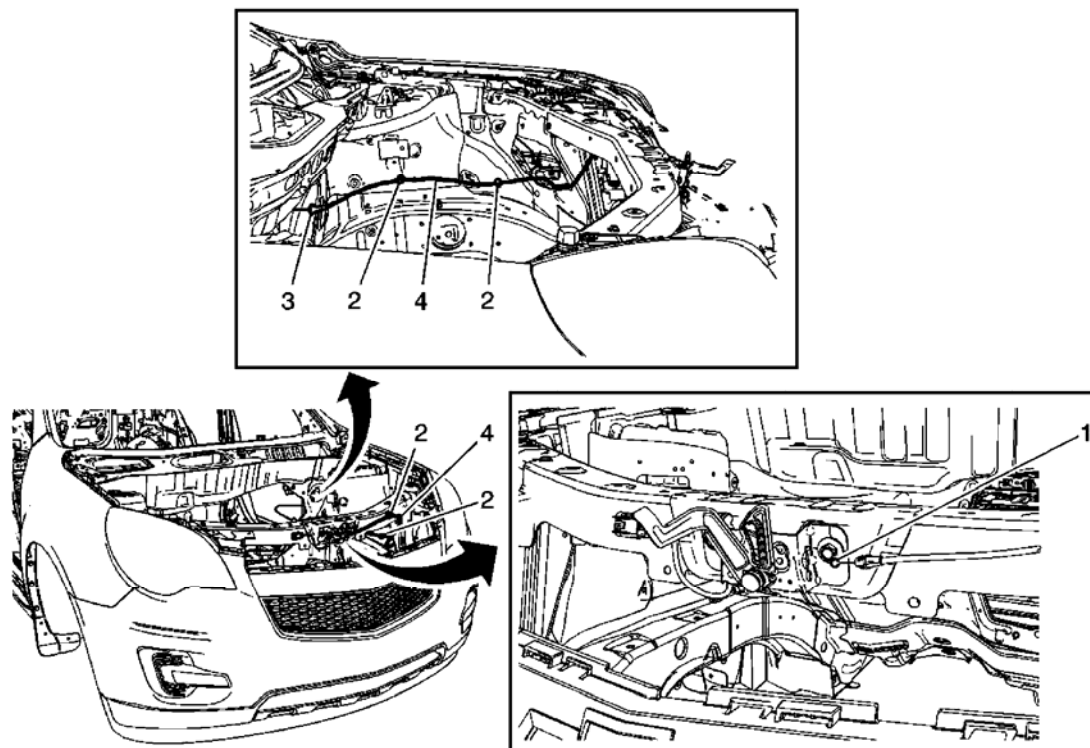


Fig. 1: Identifying Hood Primary Latch Release Cable Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures	
1. Remove the driver side front bumper opening cover. Refer to <u>Front Bumper Fascia Opening Cover Replacement (Equinox)</u> or <u>Front Bumper Fascia Opening Cover Replacement (Terrain)</u> . 2. Remove the battery tray. Refer to <u>Battery Tray Replacement</u> .	
1	Hood Primary Latch Cable Procedure: Disconnect the hood primary latch release cable from the primary hood latch.
2	Hood Primary Latch Release Cable Retainer Procedure: Disconnect the hood release cable retainers from the hood release cable.
3	Hood Primary Latch Release Cable Grommet
4	Hood Primary Latch Release Cable Procedure 1. Disconnect the hood primary latch release cable handle from the hood latch cable. Refer to <u>Hood Primary Latch Release Cable Handle Replacement</u> .

2. Attach mechanics wire to the cable and pull the cable out. Attach mechanics wire the new cable and guide in.

FRONT SIDE DOOR ADJUSTMENT

WARNING: In order to prevent SIR deployment, personal injury, or unnecessary SIR system repairs, do not strike the door or the door pillar in the area of the side impact sensor (SIS). Turn OFF the ignition and remove the key when performing service in the area of the SIS.

1. Remove the front fender liner to access hinge bolts. Refer to Front Wheelhouse Liner Replacement (Equinox) or Front Wheelhouse Liner Replacement (Terrain)

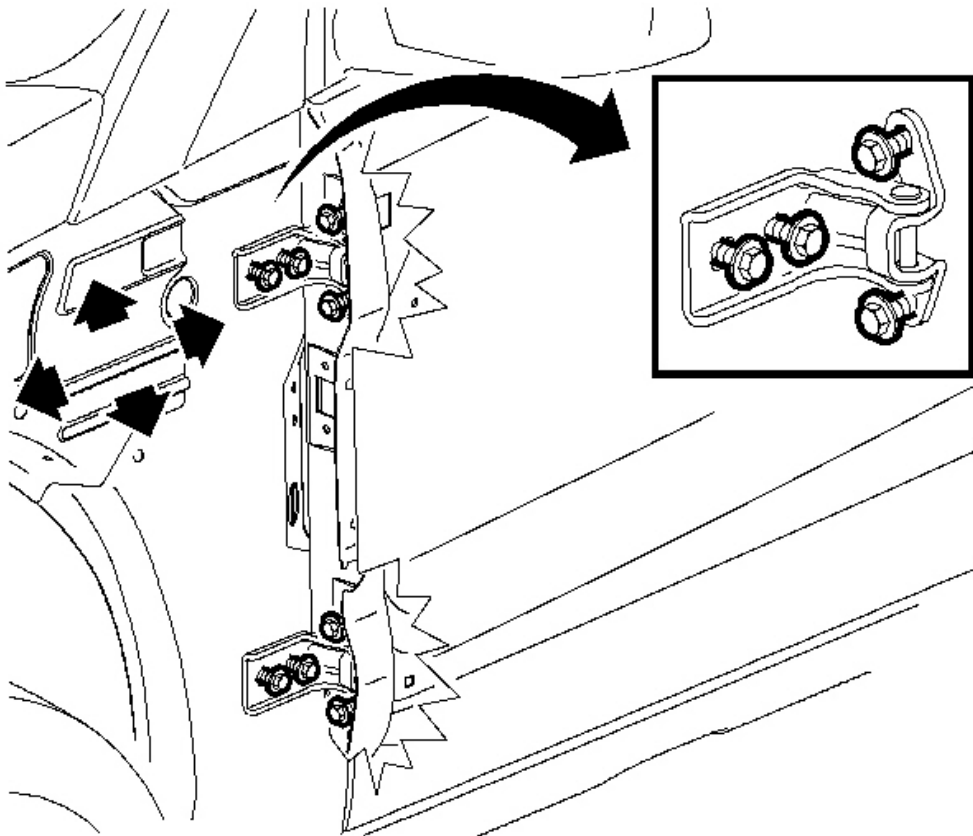


Fig. 2: View Of Front Door Hinges & Fasteners
Courtesy of GENERAL MOTORS CORP.

2. Remove the door lock striker. Refer to **Front Side Door Lock Striker Replacement** .
3. For up, down, forward, or rearward adjustment, loosen the hinge to hinge pillar bolts.
4. Move the door within the door opening to achieve the best alignment and operation.

CAUTION: Refer to Fastener Caution .

5. Tighten all of the hinge fasteners that were loosened.

Tighten: Tighten the hinge to body bolts to 36 N.m (27 lb ft).

6. Install the striker to the approximate proper position.
7. Adjust the door striker. Refer to **Front Side Door Lock Striker Adjustment** .
8. Inspect the door weatherstrips for proper fit.

FRONT SIDE DOOR REPLACEMENT

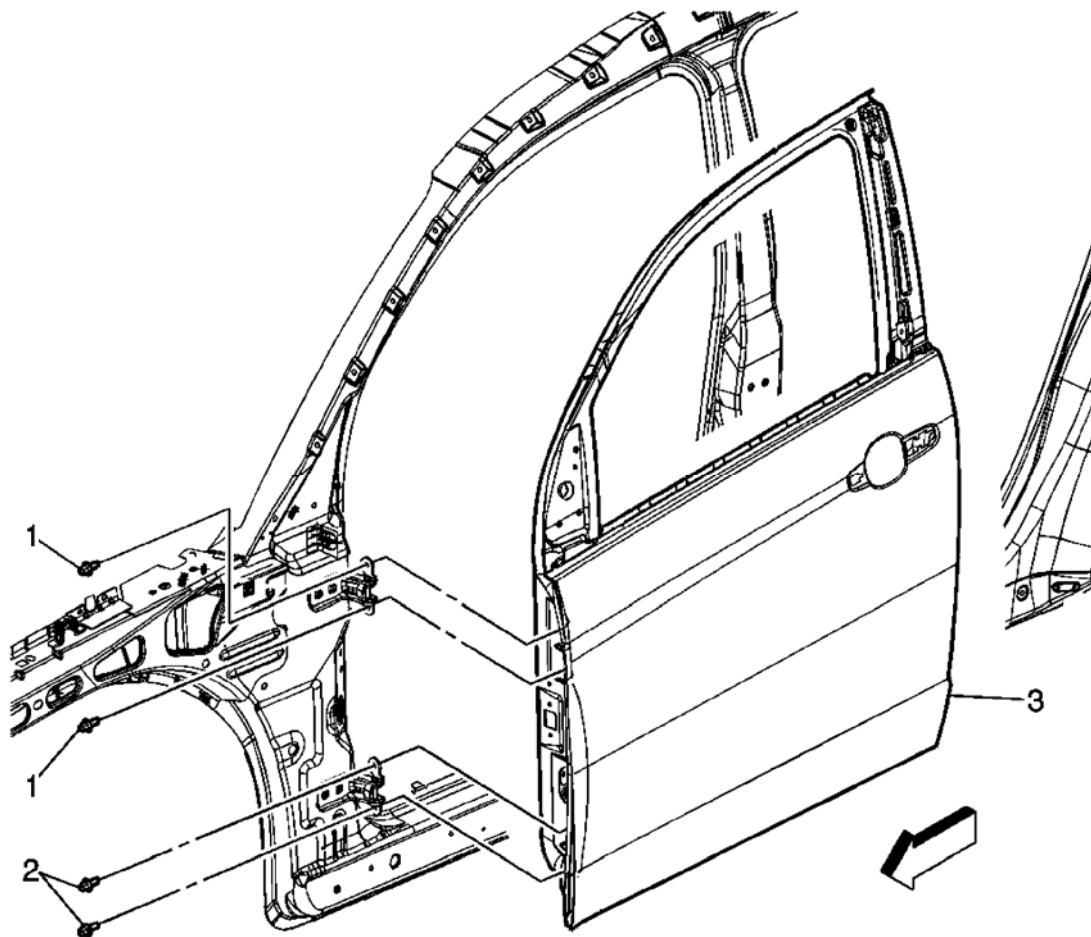


Fig. 3: Identifying Front Side Door Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures WARNING: In order to prevent SIR deployment, personal injury, or unnecessary SIR system repairs, do not strike the door or the door pillar in the area of the side impact sensor (SIS). Turn OFF the ignition and remove the key when performing service in the area of the SIS.	
1. Remove the front fender liner to access hinge bolts. Refer to <u>Front Wheelhouse Liner Replacement (Equinox)</u> or <u>Front Wheelhouse Liner Replacement (Terrain)</u> 2. Remove the front door trim panel. Refer to <u>Front Side Door Trim Panel Replacement</u> . 3. Remove front door check link bolt. Refer to <u>Front Side Door Check Link Replacement</u> .	
	Front Side Door Upper Bolt to Door (Qty: 2) CAUTION:

1	Refer to <u>Fastener Caution</u> . Procedure 1. Remove the water deflector. 2. Support the door before removing the hinge bolts. 3. Disconnect the electrical connector, if equipped. Tighten: 25 N.m (18 lb ft)
2	Front Side Door Lower Bolt to Door (Qty: 2) Tighten: 25 N.m (18 lb ft)
3	Front Side Door Procedure 1. With the aid of an assistant, remove the door. 2. If installing a new door, transfer all the necessary components. 3. Verify door is properly aligned. If door adjustments are needed, refer to <u>Front Side Door Adjustment</u>.

REAR SIDE DOOR ADJUSTMENT

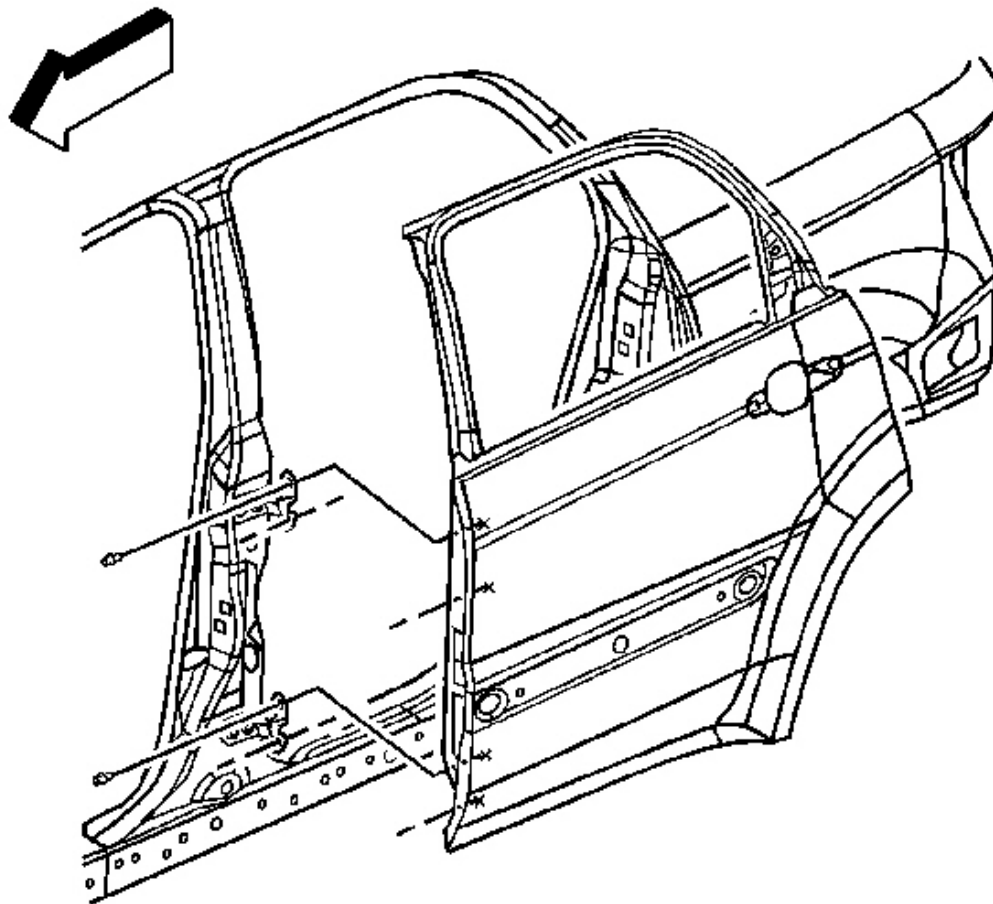


Fig. 4: View Of Rear Door
Courtesy of GENERAL MOTORS CORP.

WARNING: In order to prevent SIR deployment, personal injury, or unnecessary SIR system repairs, do not strike the door or the door pillar in the area of the side impact sensor (SIS). Turn OFF the ignition and remove the key when performing service in the area of the SIS.

1. Remove the door striker. Refer to **Rear Side Door Lock Striker Replacement** .
2. For up, down, forward, or rearward adjustment, loosen the hinge to hinge pillar bolts.
3. Move the door within the door opening to achieve the best alignment and operation.

CAUTION: Refer to **Fastener Caution** .

4. Tighten all of the hinge fasteners that were loosened.

Tighten: Tighten the hinge to body bolts to 36 N.m (27 lb ft).

5. Install the striker to the approximate proper position.
6. Adjust the door striker. Refer to **Rear Side Door Lock Striker Adjustment** .
7. Inspect the door weatherstrips for proper fit.

REAR SIDE DOOR REPLACEMENT

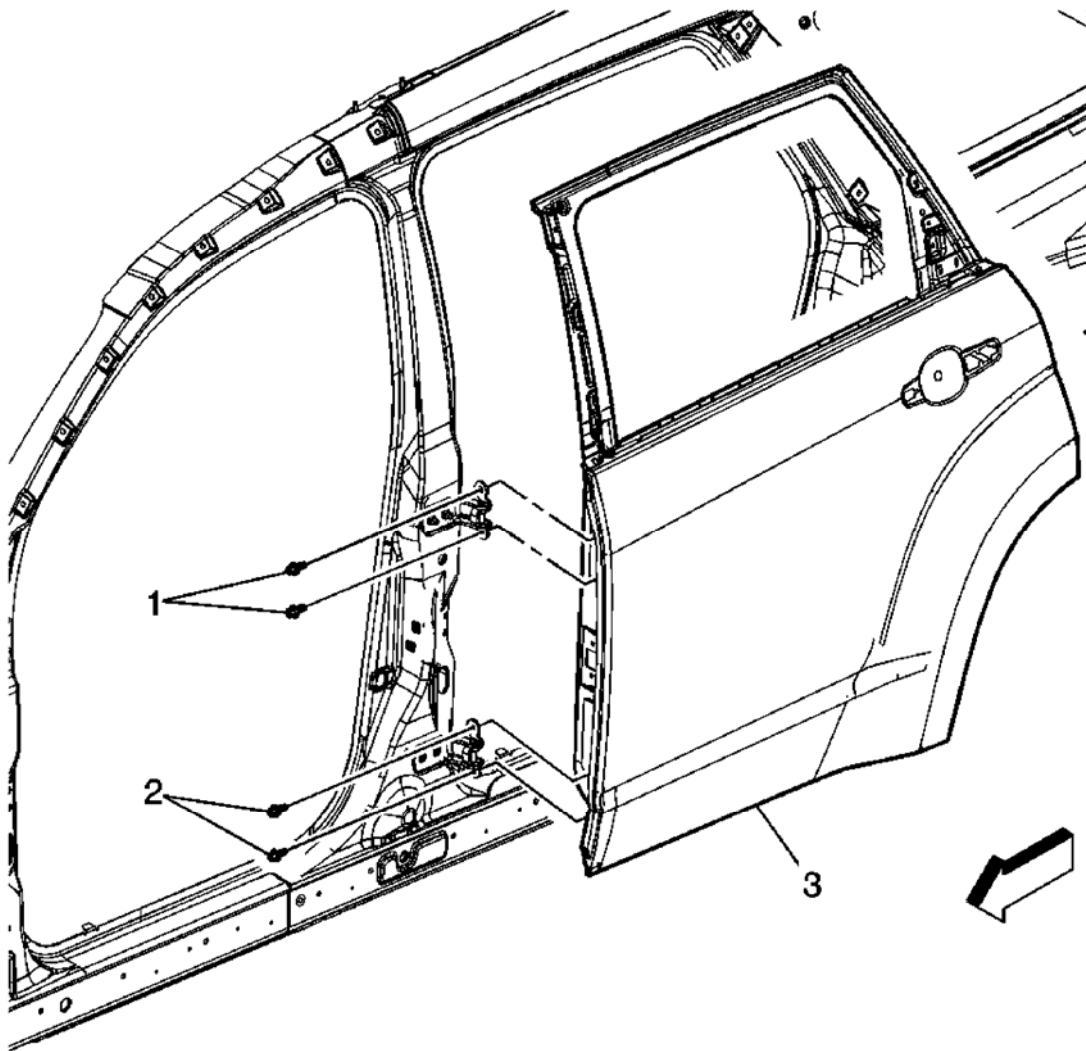


Fig. 5: Identifying Rear Side Door Components
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
WARNING: Refer to <u>SIR Warning</u> .	
Preliminary Procedures 1. Disable the supplemental inflatable restraint (SIR) system. Refer to <u>SIR Disabling and Enabling</u> . 2. Remove the rear door trim panel. Refer to <u>Rear Side Door Trim Panel Replacement</u> . 3. Remove rear side door check link. Refer to <u>Rear Side Door Check Link Replacement</u> .	
1	Rear Side Door Upper Bolt to Door (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Procedure 1. Remove the water deflector. 2. Support the door before removing the hinge bolts. 3. Disconnect the electrical connector, if equipped. Tighten: 25 N.m (18 lb ft)
2	Rear Side Door Lower Bolt to Door (Qty: 2) Tighten: 25 N.m (18 lb ft)
3	Rear Side Door Procedure 1. With the aid of an assistant, remove the door. 2. If installing a new door, transfer all the necessary components. 3. Verify door is properly aligned. If door adjustments are needed, refer to <u>Rear Side Door Adjustment</u> .

FRONT FENDER REPLACEMENT (EQUINOX)

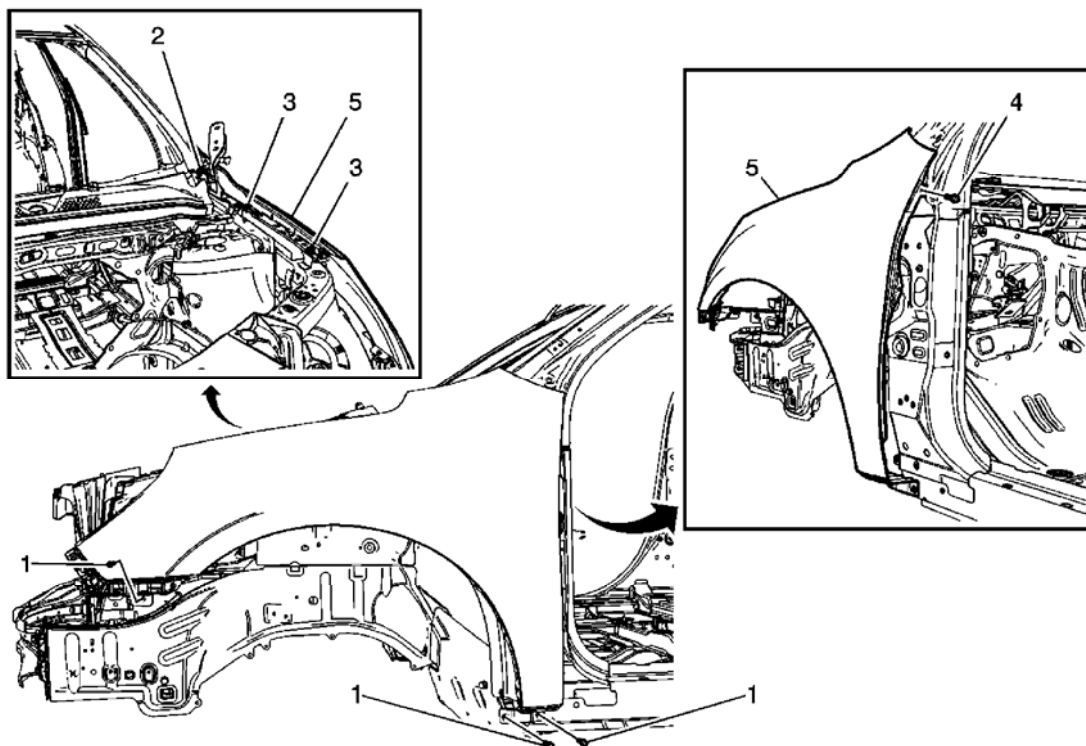


Fig. 6: Identifying Front Fender Components (Equinox)
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures 1. Remove the front fender lower rear molding. Refer to <u>Front Fender Lower Rear Molding Replacement (Equinox)</u> or <u>Front Fender Lower Rear Molding Replacement (Terrain)</u> . 2. Remove the front bumper fascia. Refer to <u>Front Bumper Fascia Replacement (Equinox)</u> or <u>Front Bumper Fascia Replacement (Terrain)</u> . 3. Remove the front bumper fascia side retainer. Refer to <u>Front Bumper Fascia Side Retainer Replacement (Equinox)</u> or <u>Front Bumper Fascia Side Retainer Replacement (Terrain)</u> . 4. Remove the air inlet grille extension. Refer to <u>Air Inlet Grille Panel Extension Replacement (Equinox)</u> or <u>Air Inlet Grille Panel Extension Replacement (Terrain)</u> . 5. Reposition the rear hood weatherstrip. Refer to <u>Hood Rear Weatherstrip Replacement</u>. 6. Remove the headlamp. Refer to <u>Headlamp Replacement (Equinox)</u> or <u>Headlamp Replacement (Terrain)</u> .	
1	Front Fender Bolt (Qty: 3) CAUTION: Refer to <u>Fastener Caution</u> .

	Tighten: 10 N.m (89 lb in)
2	Front Fender Bolt Tighten: 10 N.m (89 lb in)
3	Front Fender Bolt (Qty: 2) Tighten: 10 N.m (89 lb in)
4	Front Fender Bolt Tighten: 10 N.m (89 lb in)
5	Front Fender

FRONT FENDER REPLACEMENT (TERRAIN)

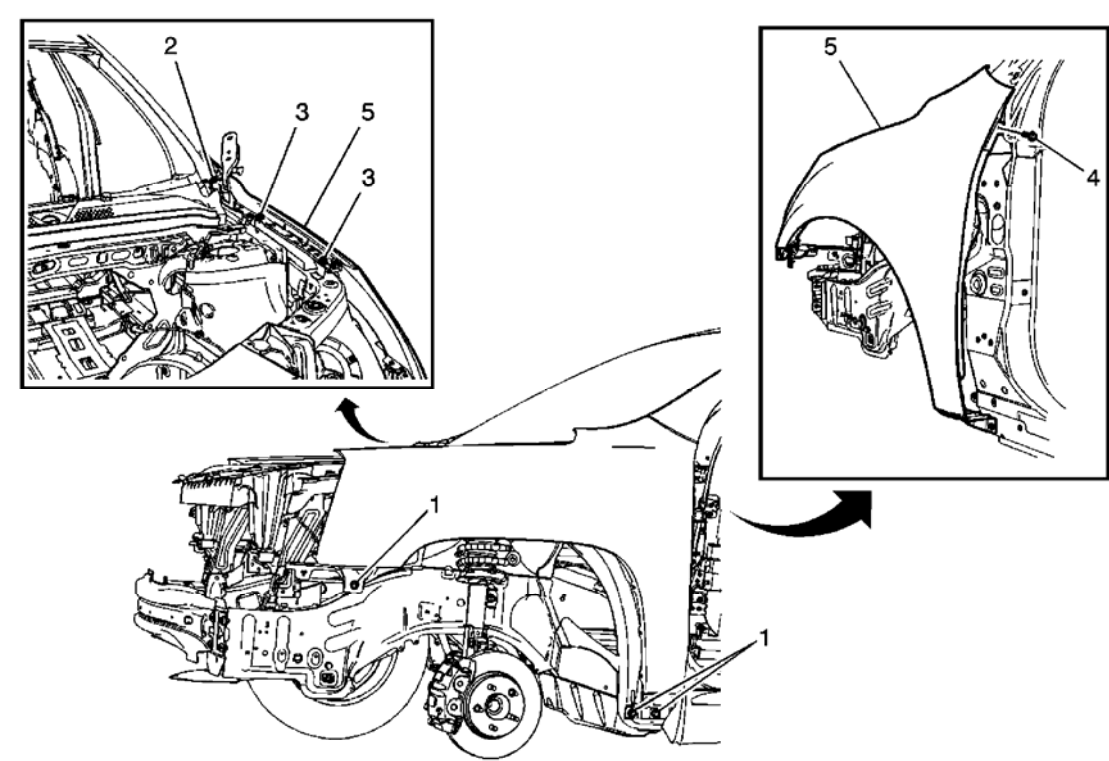


Fig. 7: Identifying Front Fender Components (Terrain)
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures	
1.	Remove the front fender lower rear molding. Refer to Front Fender Lower Rear Molding Replacement (Equinox) or Front Fender Lower Rear Molding Replacement (Terrain)
2.	Remove the front bumper fascia. Refer to Front Bumper Fascia Replacement (Equinox) or

Front Bumper Fascia Replacement (Terrain) .

- 3. Remove the front bumper fascia side retainer. Refer to **Front Bumper Fascia Side Retainer Replacement (Equinox)** or **Front Bumper Fascia Side Retainer Replacement (Terrain)** .
- 4. Remove the air inlet grille extension. Refer to **Air Inlet Grille Panel Extension Replacement (Equinox)** or **Air Inlet Grille Panel Extension Replacement (Terrain)** .
- 5. Reposition the rear hood weatherstrip. Refer to **Hood Rear Weatherstrip Replacement**.
- 6. Remove the headlamp. Refer to **Headlamp Replacement (Equinox)** or **Headlamp Replacement (Terrain)** .

1	Front Fender Bolt (Qty: 3) CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 10 N.m (89 lb in)
2	Front Fender Bolt Tighten: 10 N.m (89 lb in)
3	Front Fender Bolt (Qty: 2) Tighten: 10 N.m (89 lb in)
4	Front Fender Bolt Tighten: 10 N.m (89 lb in)
5	Front Fender

LIFTGATE ADJUSTMENT

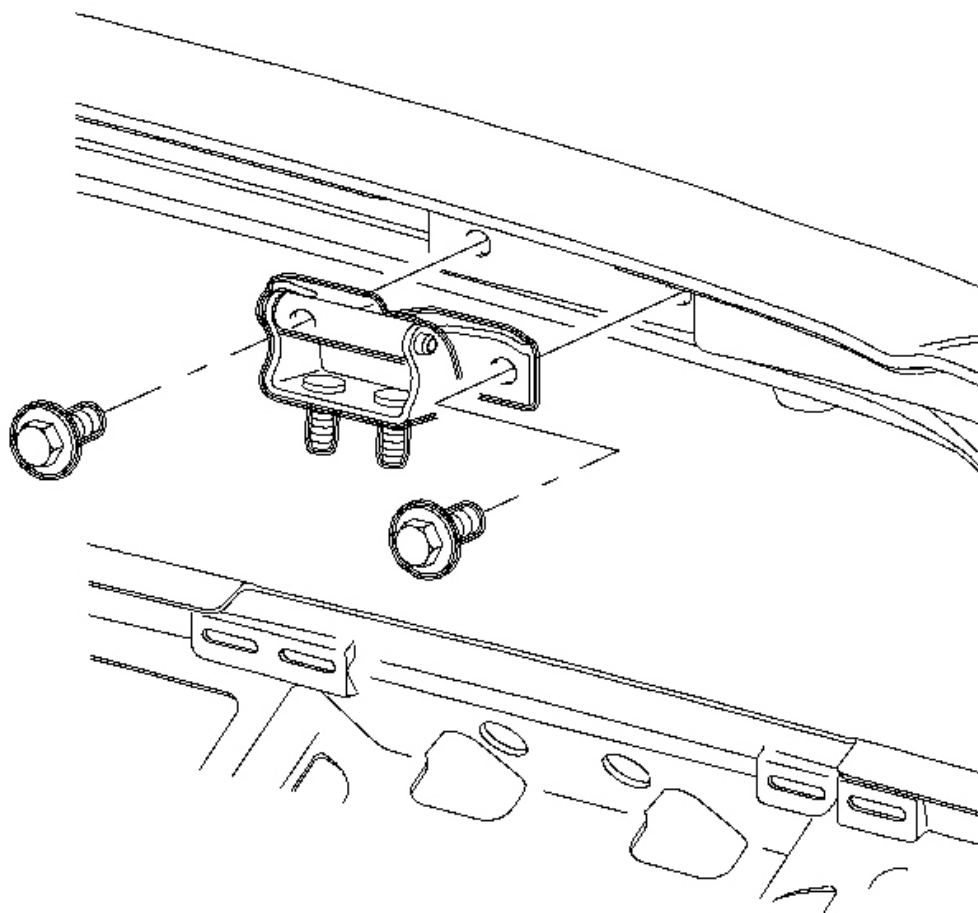


Fig. 8: View Of Liftgate Latch Striker
Courtesy of GENERAL MOTORS CORP.

1. Note the original position of the liftgate latch striker.
2. Remove the striker.
3. Loosen the hinge-to-roof panel bolts for forward or rearward adjustments.
4. If adjusting the hinge to roof panel bolts, lower the rear headliner as needed.
5. Loosen the liftgate-to-hinge bolts for up and down adjustment.
6. Move the liftgate within the liftgate opening to achieve the best alignment and operation.
7. Install striker to approximately the proper position.
8. Adjust the striker to achieve the best operation and alignment of the liftgate.
9. Inspect the seals for proper engagement.

CAUTION: Refer to Fastener Caution .

10. Tighten the bolts when the proper adjustment is achieved to 25 N.m (18 lb ft).

LIFTGATE REPLACEMENT

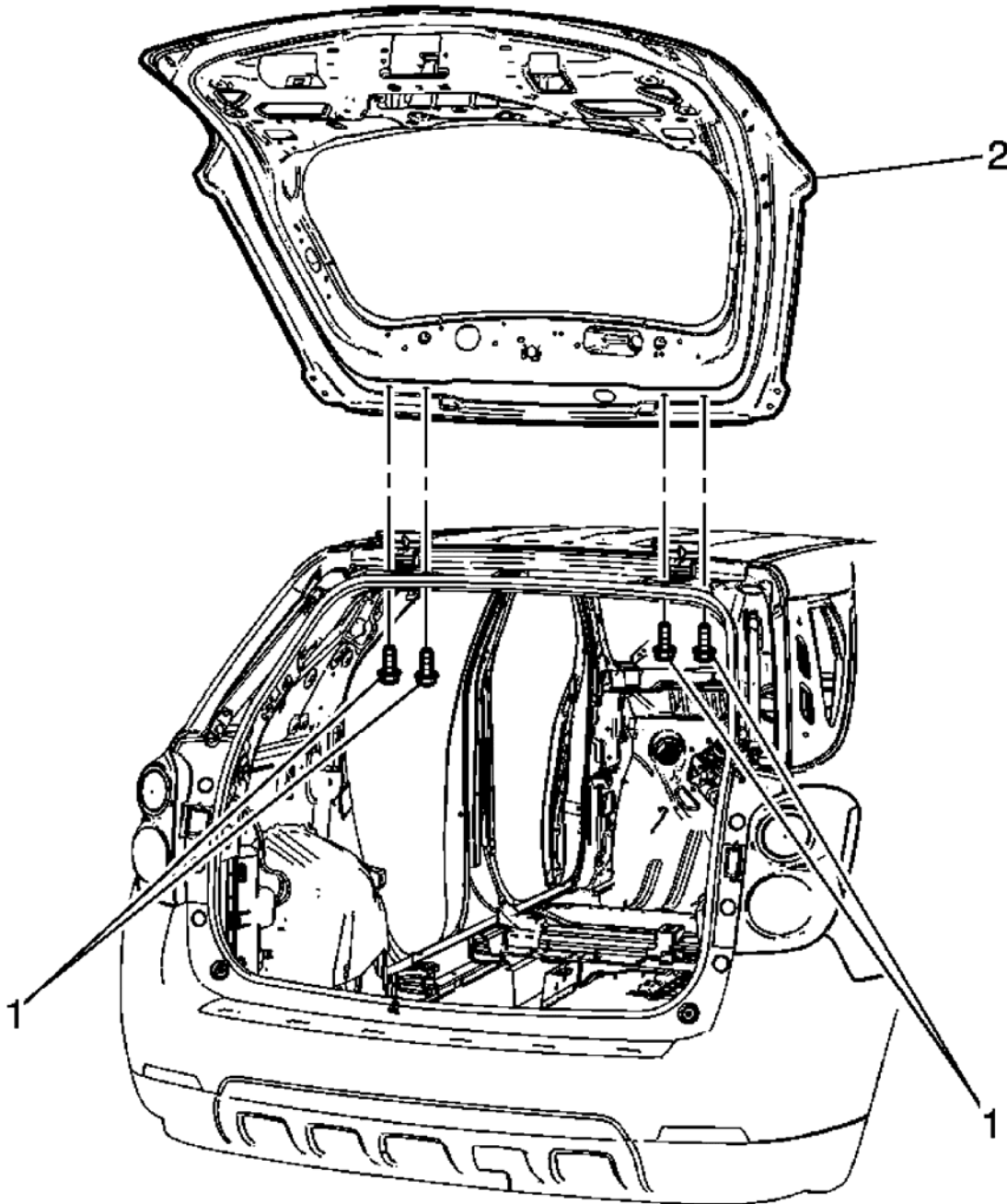


Fig. 9: Identifying Liftgate Components

Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures 1. Disconnect the battery. Refer to <u>Battery Negative Cable Disconnection and Connection</u> . 2. Disconnect the liftgate actuator from the liftgate. Refer to <u>Liftgate Hydraulic Actuator Replacement</u> . 3. Disconnect the liftgate strut. Refer to <u>Liftgate Strut Replacement</u> . 4. Disconnect the electrical connectors.	
1	Liftgate Hinge Bolt (Qty: 4) CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 25 N.m (18 lb ft)
2	Liftgate Procedure 1. Transfer parts as needed. 2. Adjust the liftgate if needed.

HOOD PRIMARY LATCH RELEASE CABLE HANDLE REPLACEMENT

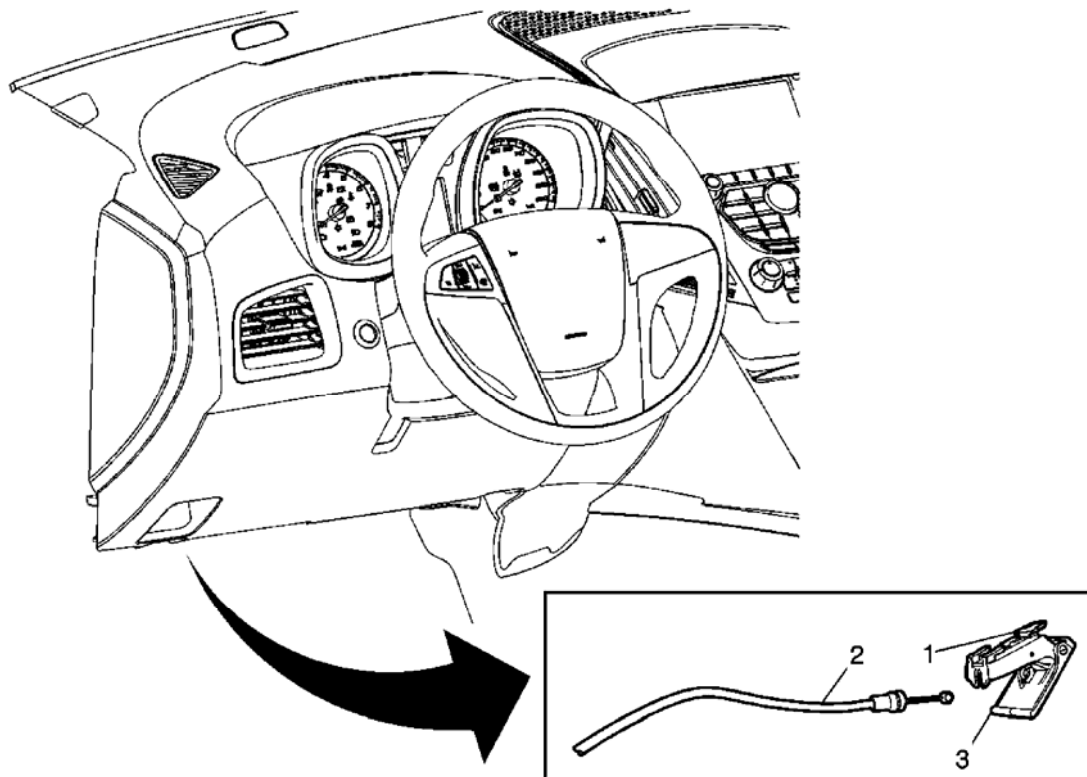


Fig. 10: Identifying Hood Primary Latch Release Cable Handle Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Hood Primary Latch Release Cable Handle Retainer Procedure: Press the release cable handle inward/downward to release the retainers from the instrument panel.
2	Hood Primary Latch Release Cable Procedure: Disconnect the hood release cable from the hood release handle.
3	Hood Primary Latch Release Cable Handle

FRONT SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT

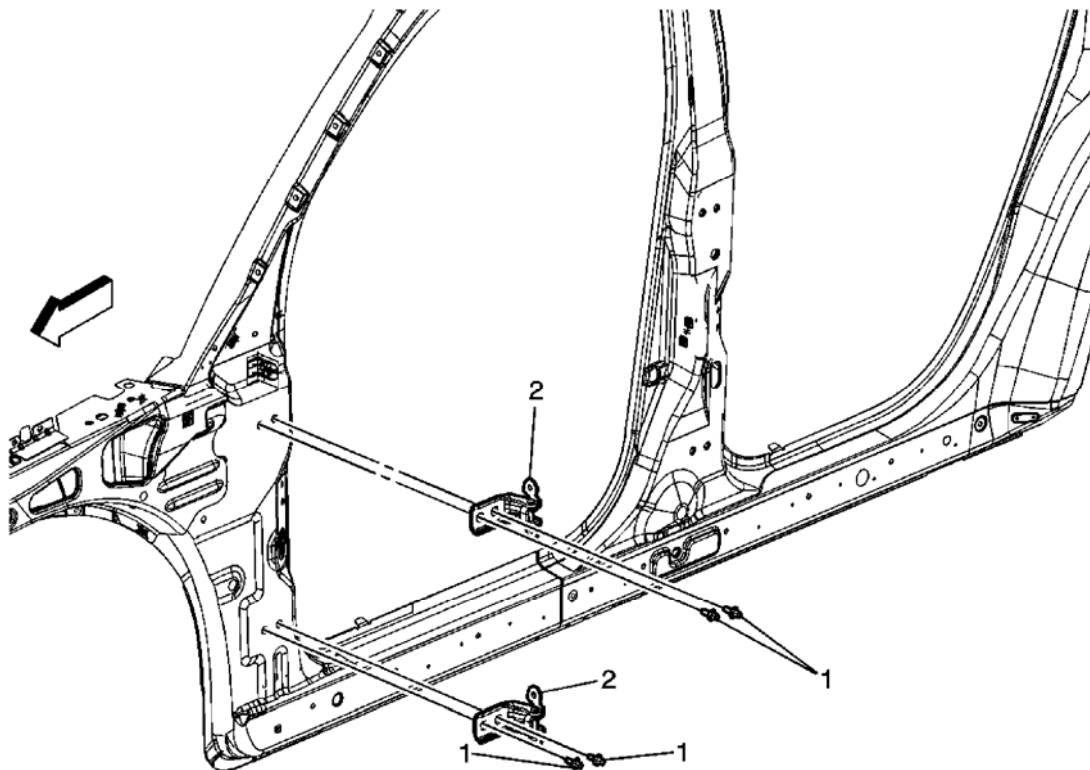


Fig. 11: Identifying Front Side Door Upper Hinge and Lower Hinge Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures 1. Remove front fender. Refer to <u>Front Fender Replacement (Equinox)</u> or <u>Front Fender Replacement (Terrain)</u>. 2. Remove front door. Refer to <u>Front Side Door Replacement</u>. 3. Remove the insulator pad between the fender and the hinge pillar to remove bolts.	
1	Front Side Door Hinge to Body Bolt (Qty: 4) CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 36 N.m (26 lb ft)
2	Front Side Door Hinge Assembly Procedure 1. If installing new door, transfer all necessary components. 2. Verify door is properly aligned. If door adjustments are needed, refer to <u>Front Side</u>

Door Adjustment.

Tip: Support the door during procedure.

Use a soft marker to outline around the outside of hinge for install purposes.

When re-installing door, align hinge with marks made during removal procedures.

HOOD HINGE REPLACEMENT

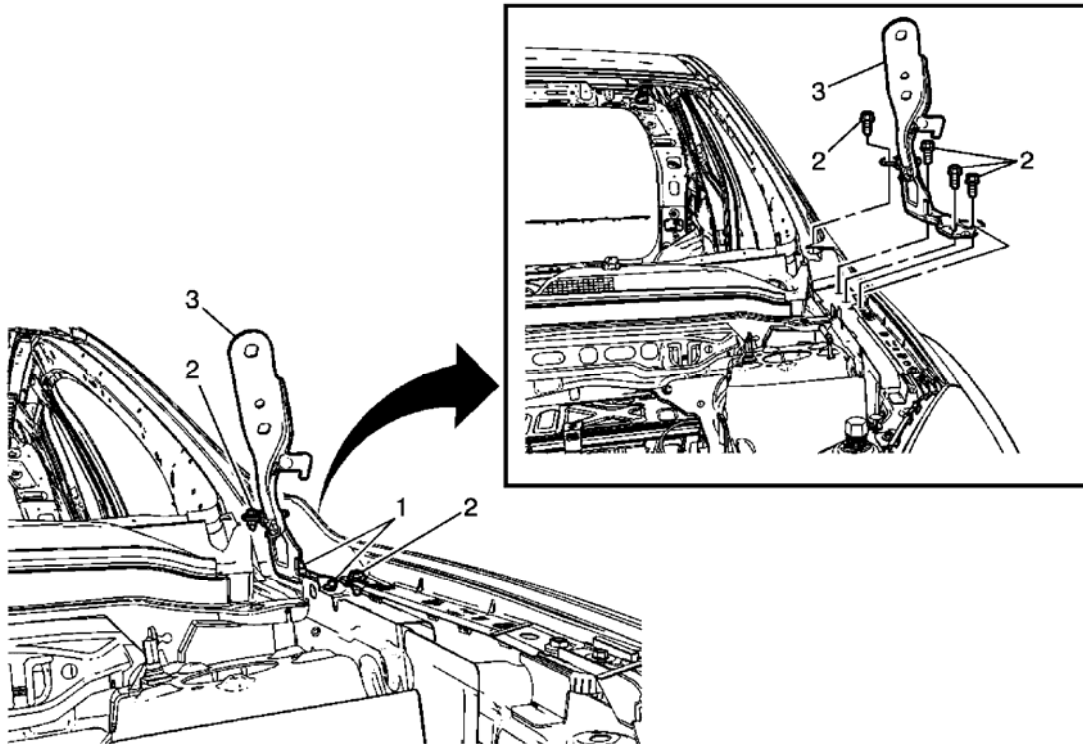


Fig. 12: Identifying Hood Hinge Components

Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures	
1.	Remove the front bumper fascia opening cover. Refer to <u>Front Bumper Fascia Opening Cover Replacement (Equinox)</u> or <u>Front Bumper Fascia Opening Cover Replacement (Terrain)</u> .
2.	Remove the hood. Refer to <u>Hood Replacement</u> .
3.	Reposition the end of the hood rear weatherstrip. Refer to <u>Hood Rear Weatherstrip Replacement</u> .
4.	Remove the air inlet grille panel extension. Refer to <u>Air Inlet Grille Panel Extension Replacement (Equinox)</u> or <u>Air Inlet Grille Panel Extension Replacement (Terrain)</u> .
	Hood Hinge Bolt (Qty: 2)

	CAUTION: Refer to <u>Fastener Caution</u> .
1	Procedure: Mark the location of the hinge to the hood and upper rail with a grease pencil to aid in alignment. Tighten: 25 N.m (18 lb ft)
2	Fender Bolt (Qty: 2) Tighten: 10 N.m (89 lb in)
3	Hood Hinge

LIFTGATE HINGE REPLACEMENT

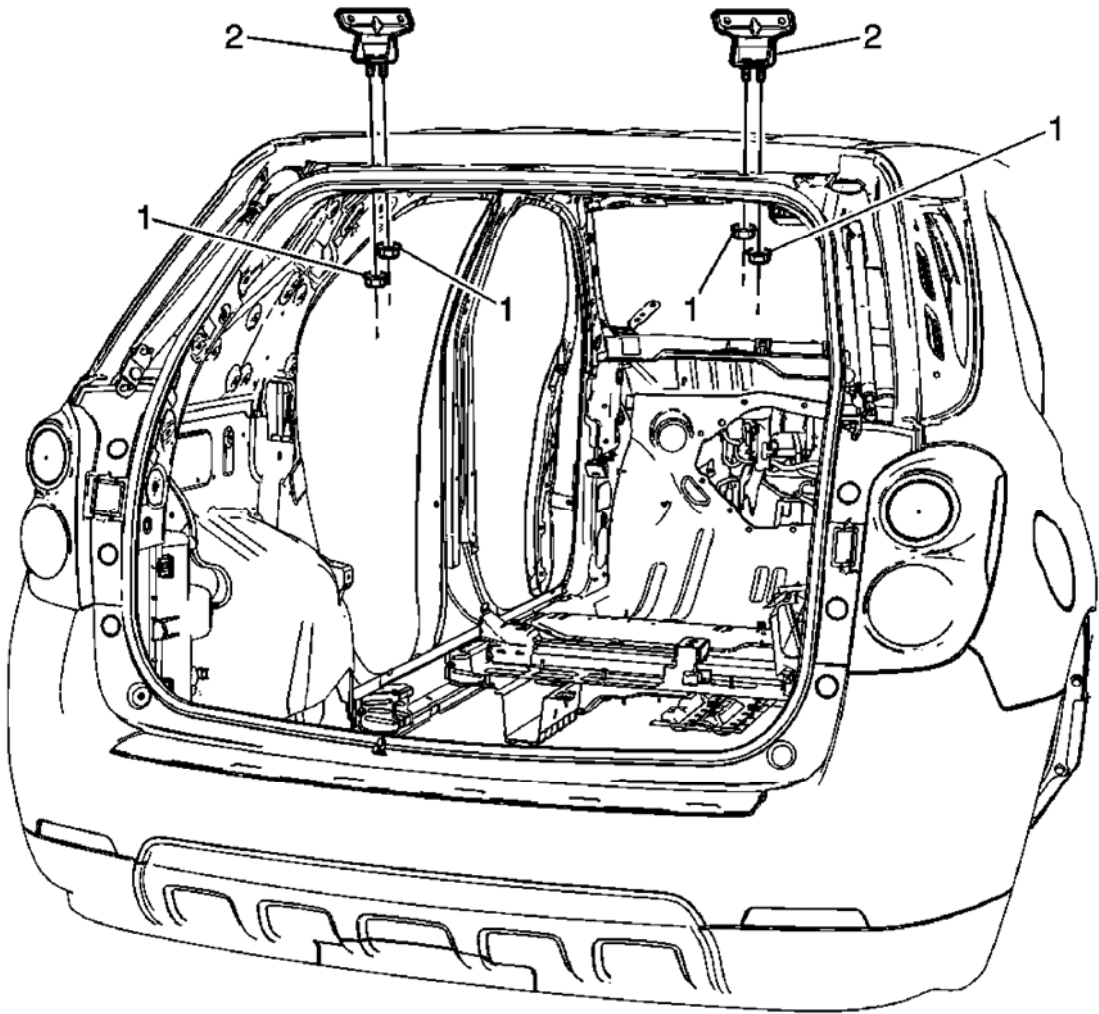


Fig. 13: Identifying Liftgate Hinge Components
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures 1. Remove the liftgate. Refer to <u>Liftgate Replacement</u> . 2. Lower the rear of the headliner to access the inner bolts. Refer to <u>Headlining Trim Panel Replacement</u> . 3. Use a grease pencil to mark the liftgate hinge position to the body prior to removal.	
1	Liftgate Hinge Nut (Qty: 4) CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 25 N.m (18 lb ft)
2	Liftgate Hinge Procedure: Adjust the liftgate if needed.

REAR SIDE DOOR UPPER HINGE AND LOWER HINGE REPLACEMENT

Removal Procedure

WARNING: In order to prevent SIR deployment, personal injury, or unnecessary SIR system repairs, do not strike the door or the door pillar in the area of the side impact sensor (SIS). Turn OFF the ignition and remove the key when performing service in the area of the SIS.

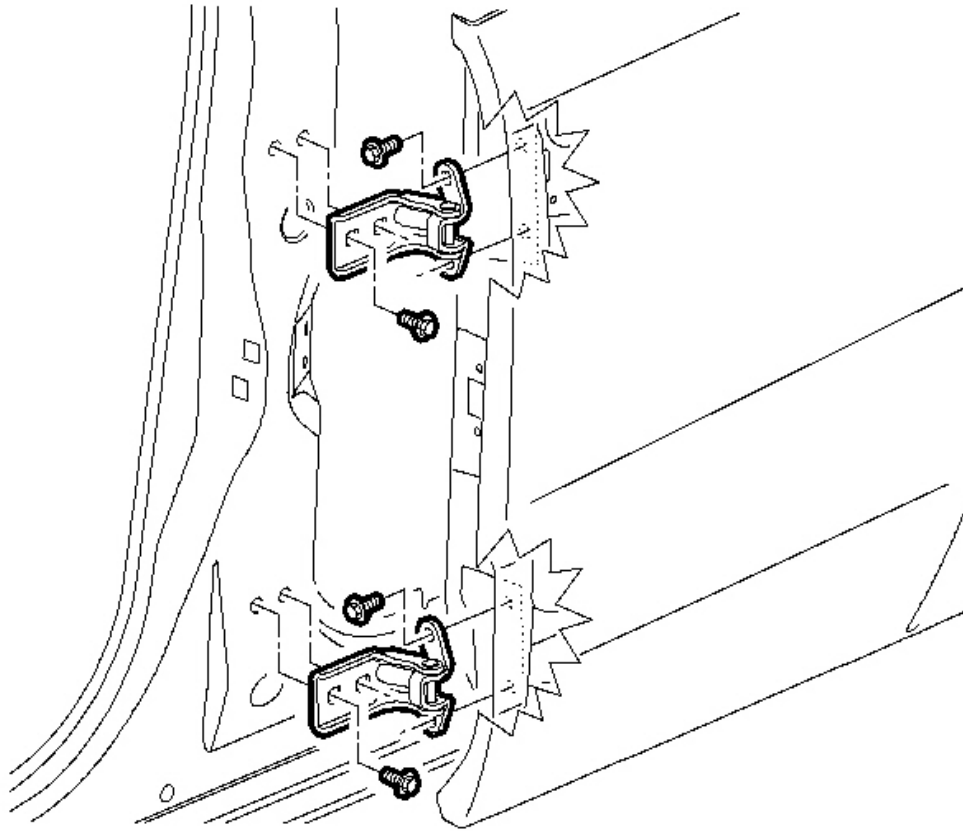


Fig. 14: Removing/Installing Hinge Rear Door
Courtesy of GENERAL MOTORS CORP.

1. Mark around the hinge location with a soft marker for installation alignment purposes.
2. Support the door.
3. With the door fully latched on the striker, remove the hinge to door bolts.
4. Remove the hinge to body bolts and remove the hinges one at a time.

Installation Procedure

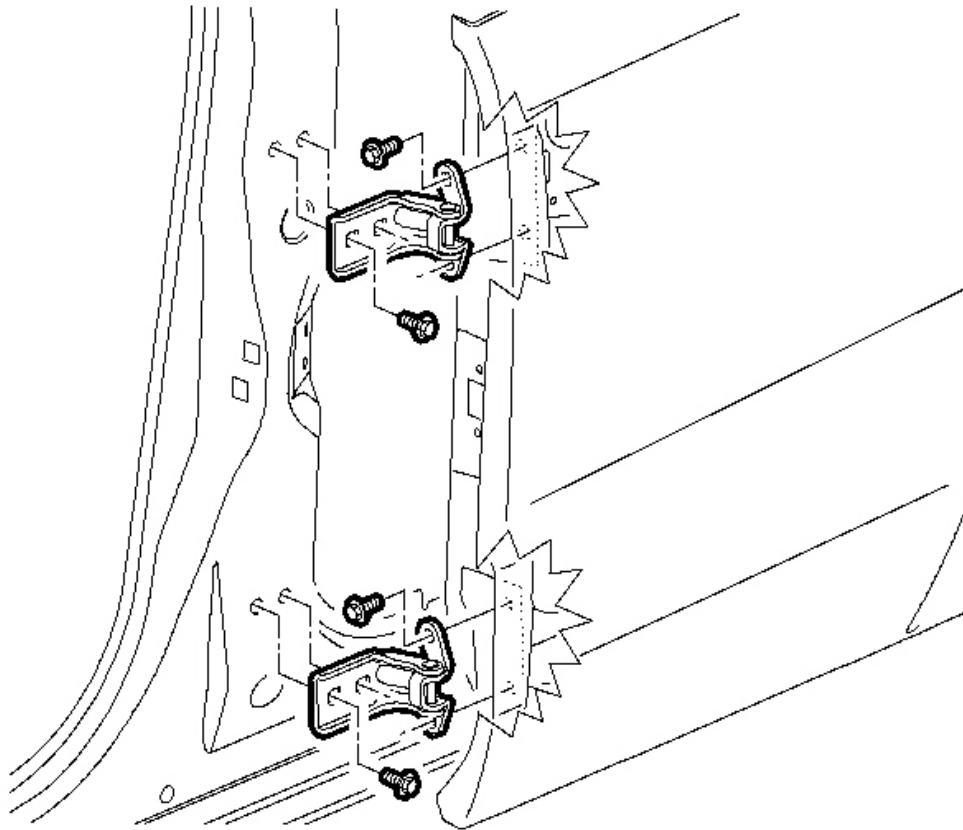


Fig. 15: Removing/Installing Hinge Rear Door
Courtesy of GENERAL MOTORS CORP.

1. Position the hinge to the vehicle with the marks made prior to removal.

CAUTION: Refer to **Fastener Caution** .

2. Install the hinge to door bolts.

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

3. Install the hinge to body bolts.

Tighten: Tighten the bolts to 36 N.m (27 lb ft).

4. Inspect the door for proper alignment. Refer to **Rear Side Door Adjustment**.

HOOD ADJUSTMENT

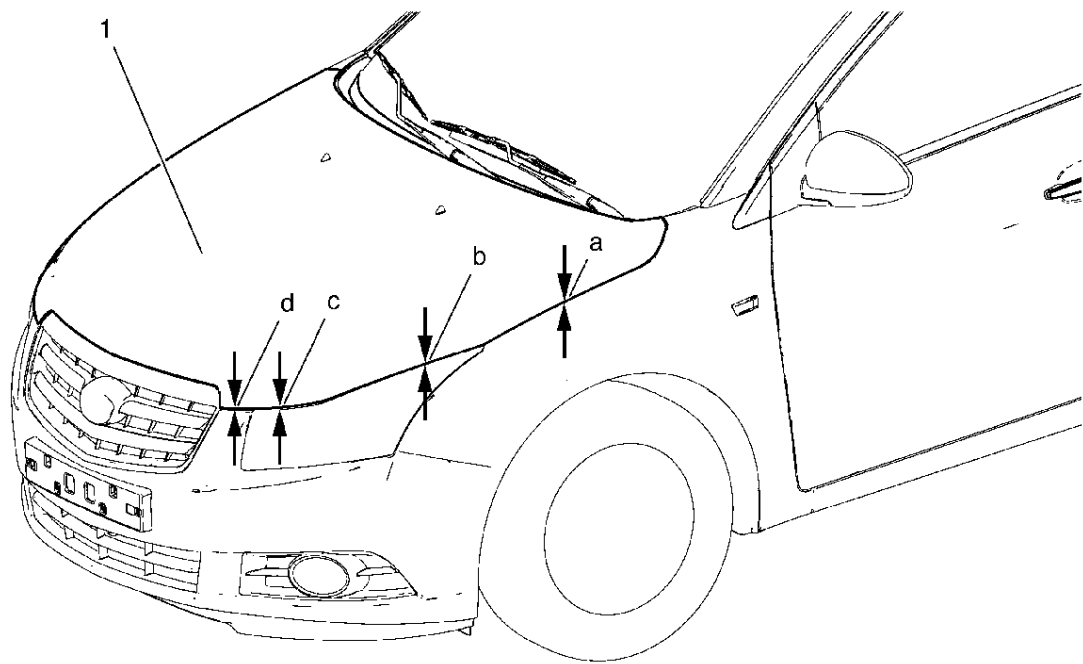


Fig. 16: Identifying Hood Components
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Hood CAUTION: Refer to <u>Fastener Caution</u> . Procedure 1. Loosen the hood hinge reinforcement nuts (Qty: 4). 2. Adjust the hood in order to obtain an even gap on both sides between the hood and the fenders, the headlamps and the front bumper fascia and so that the hood is flush with both fenders on the front edge, the front bumper fascia and the headlamps. Adjustment • Hood to front fender (a) 3.0 mm ± 0.75 mm (0.12 in ± 0.03 in)

- Hood to headlamp (b) 3.0 mm ± 1.0 mm (0.12 in ± 0.04 in)
- Hood to headlamp (c) 4.5 mm ± 1.5 mm (0.18 in ± 0.06 in)
- Hood to front bumper fascia (d) 4.0 mm ± 1.0 mm (0.16 in ± 0.04 in)

Tighten: 25 N.m (18 lb ft)

HOOD REPLACEMENT

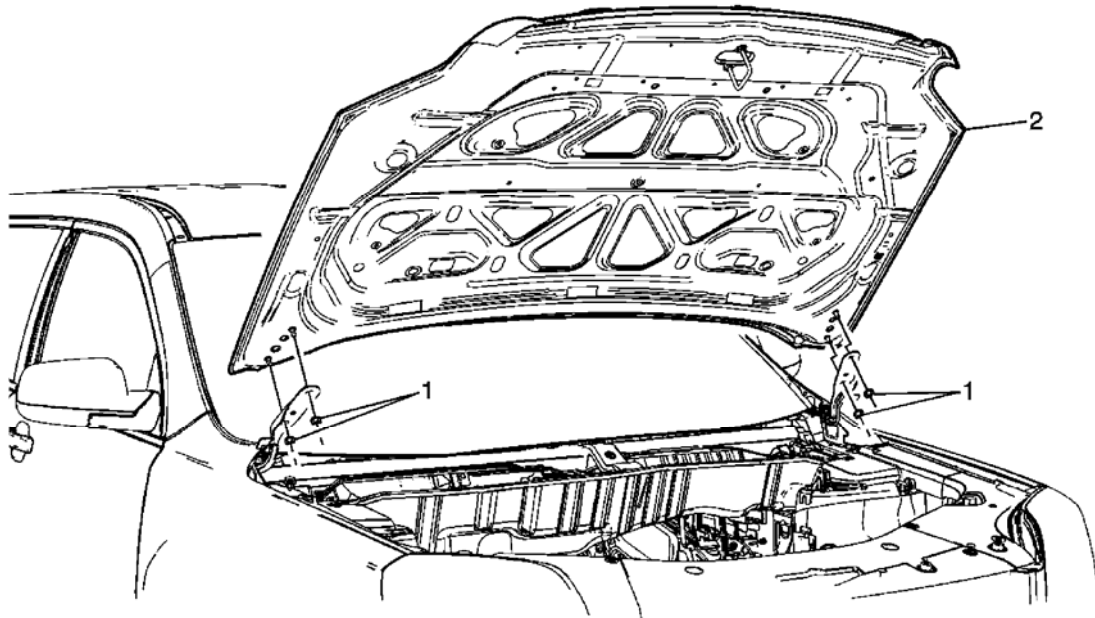


Fig. 17: Identifying Hood Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedure: Remove the hood strut rod. Refer to <u>Hood Strut Replacement</u> .	
1	Hood Hinge Nut (Qty: 4) CAUTION: Refer to <u>Fastener Caution</u> . Procedure: Mark the location of the hinge to the hood with a grease pencil to aid in alignment. Tighten: 25 N.m (18 lb ft)
	Hood

Procedure	
2	1. Adjust the hood if necessary. 2. Transfer parts as needed.

HOOD INSULATOR REPLACEMENT

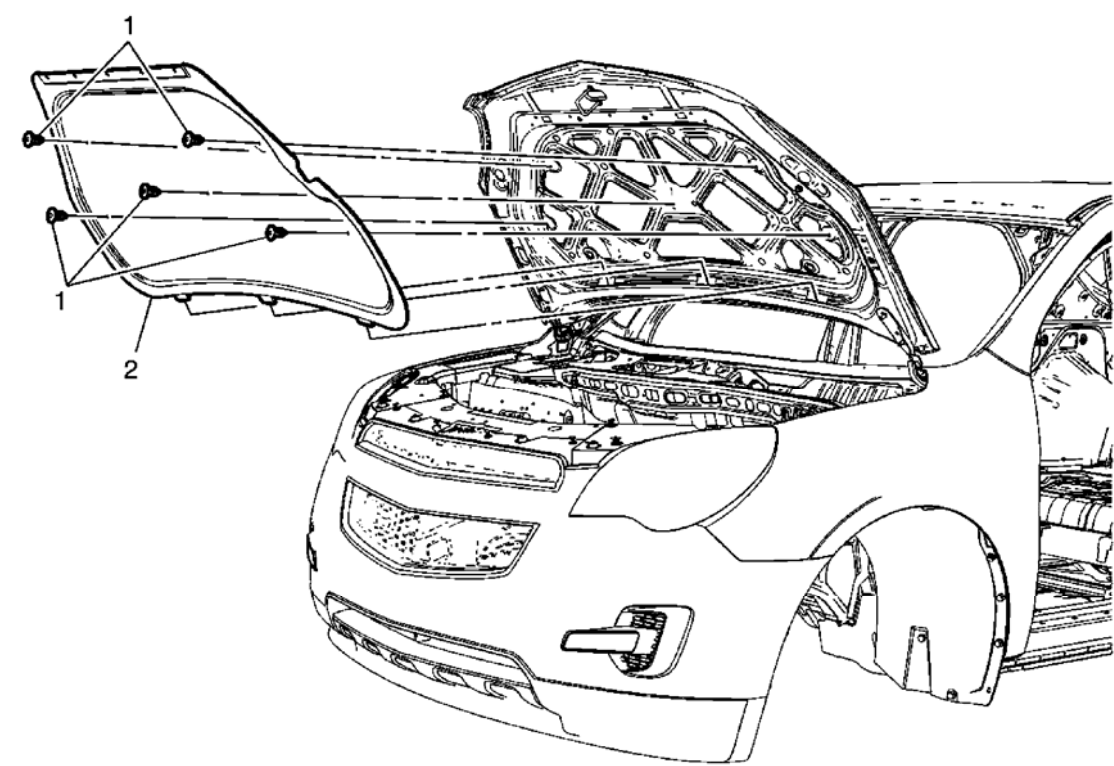


Fig. 18: Identifying Hood Insulator Components
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedure: Remove the hood front seal. Refer to <u>Hood Front Seal Replacement</u> .	
1	Hood Insulator Plastic Retainer (Qty: 5)
2	Hood Insulator Procedure: Ensure the 3 integral tabs are secured to the hood.

HOOD PRIMARY AND SECONDARY LATCH REPLACEMENT

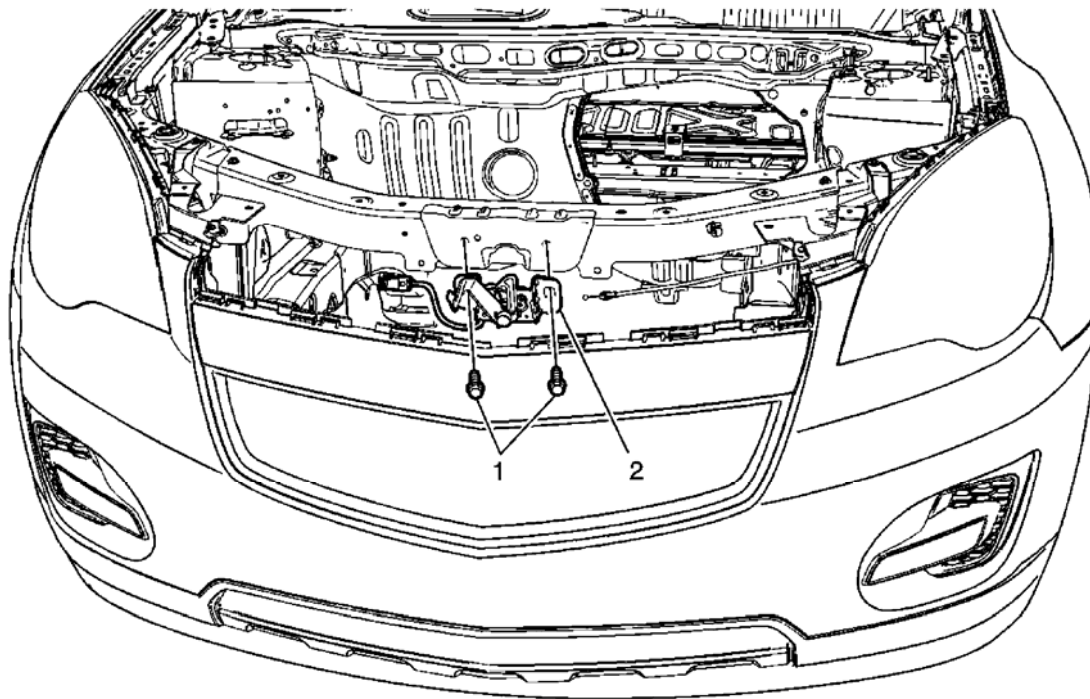


Fig. 19: Identifying Hood Primary & Secondary Latch Components
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedure: Remove the front bumper fascia support. Refer to <u>Front Bumper Fascia Support Replacement</u> .	
1	Hood Primary and Secondary Latch Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 25 N.m (18 lb ft)
2	Hood Primary and Secondary Latch Procedure: Disconnect the hood release cable and the electrical connector.

FRONT SIDE DOOR CHECK LINK REPLACEMENT

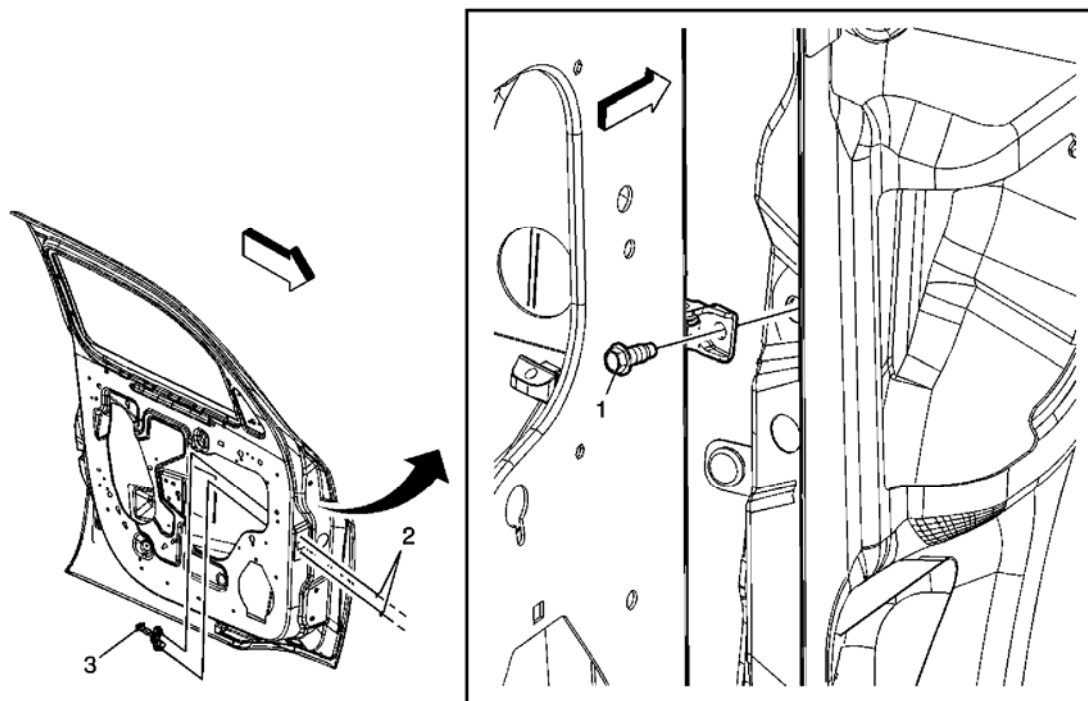


Fig. 20: Identifying Front Side Door Check Link Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures: Remove the front side door trim panel. Refer to Front Side Door Trim Panel Replacement .	
1	Front Side Door Check Link Bolt CAUTION: Refer to Fastener Caution . Procedure 1. Move the window to the full up position. 2. Remove the front door water deflector. Tighten: 25 N.m (18 lb ft)
2	Front Side Door Check Link Nut (Qty: 2) Tighten: 10 N.m (89 lb in)
3	Front Side Door Check Link Assembly Tip: Remove the check link through the opening of the door.

REAR SIDE DOOR CHECK LINK REPLACEMENT

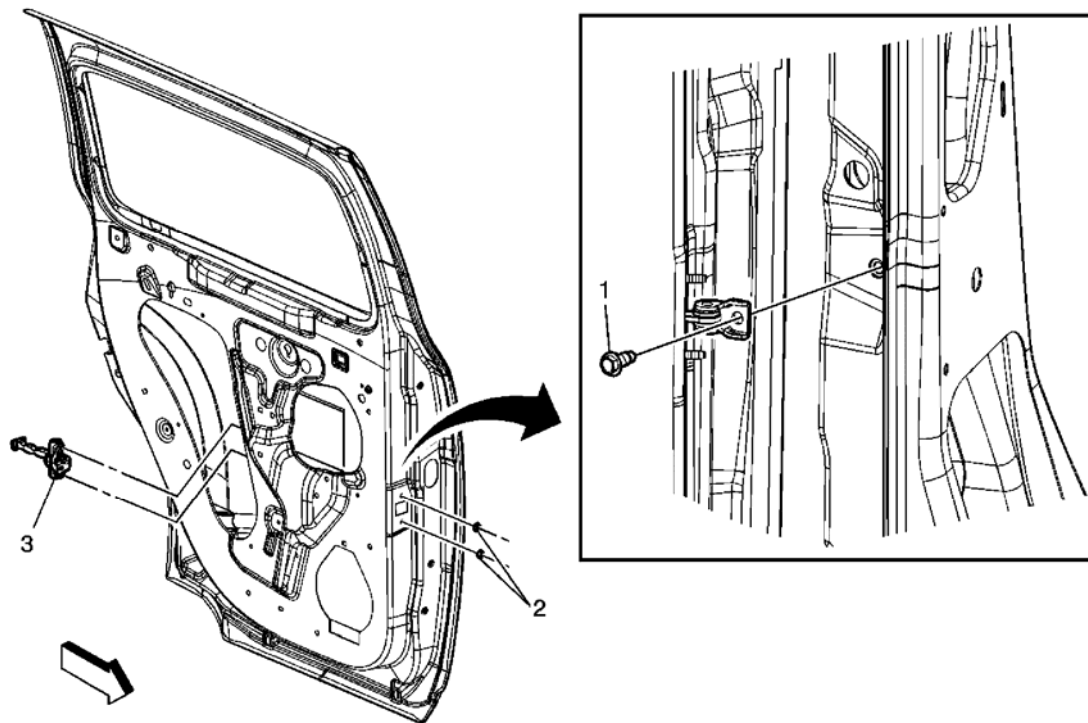


Fig. 21: Identifying Rear Side Door Check Link Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures: Remove the rear side door trim panel. Refer to <u>Rear Side Door Trim Panel Replacement</u> .	
1	Rear Side Door Check Link Bolt CAUTION: Refer to <u>Fastener Caution</u> . Procedure 1. Move the window to the full up position. 2. Remove the rear door water deflector. Tighten: 25 N.m (18 lb ft)
2	Rear Side Door Check Link Nut (Qty: 2) Tighten: 10 N.m (89 lb in)
3	Rear Side Door Check Link Assembly Tip: Remove the check link through the inside of the door.

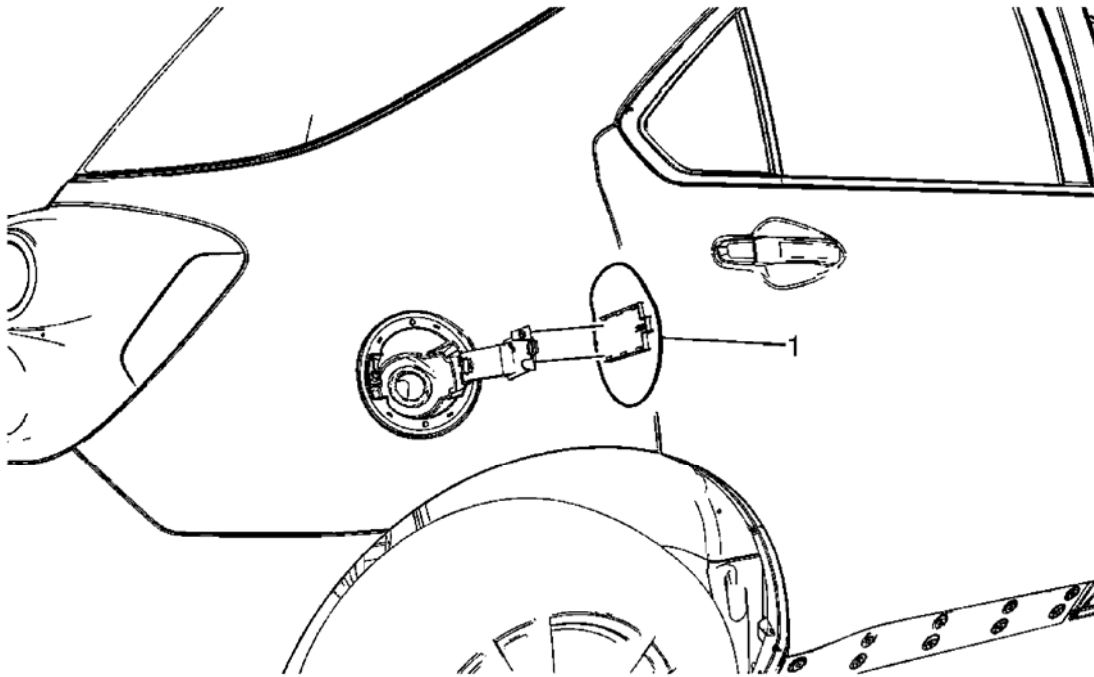


Fig. 22: Identifying Fuel Tank Filler Door (Equinox)
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Fuel Tank Filler Door Procedure: Position the fuel tank filler door to the full open position. Using light outward sliding pressure on the filler door, release the retainer on the fuel tank filler door from the hinge.

FUEL TANK FILLER DOOR REPLACEMENT (TERRAIN)

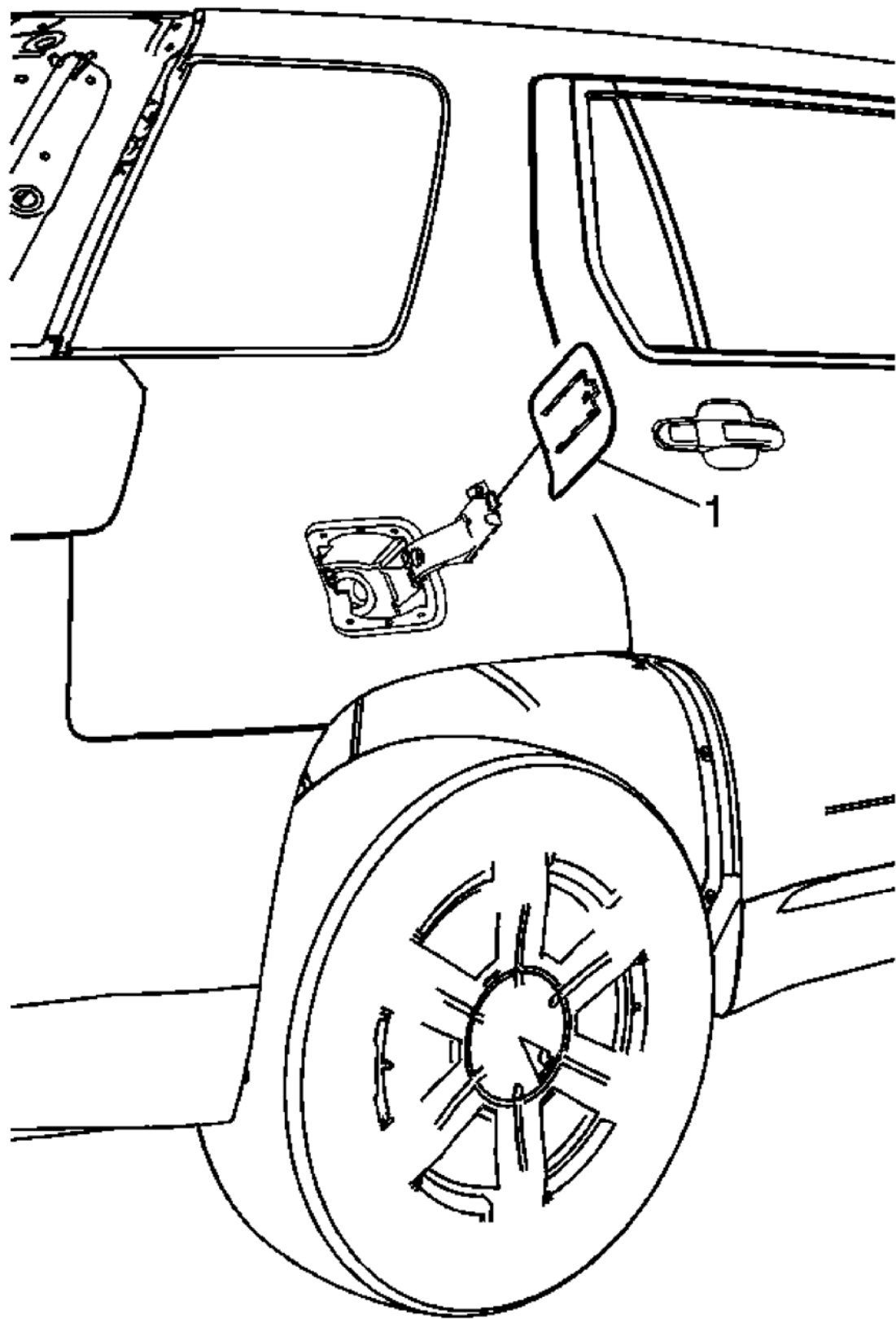


Fig. 23: Identifying Fuel Tank Filler Door (Terrain)
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Fuel Tank Filler Door Procedure: Position the fuel tank filler door to the full open position. Using light outward sliding pressure on the filler door, release the retainer on the fuel tank filler door from the hinge.

FUEL TANK FILLER PIPE HOUSING REPLACEMENT (EQUINOX)

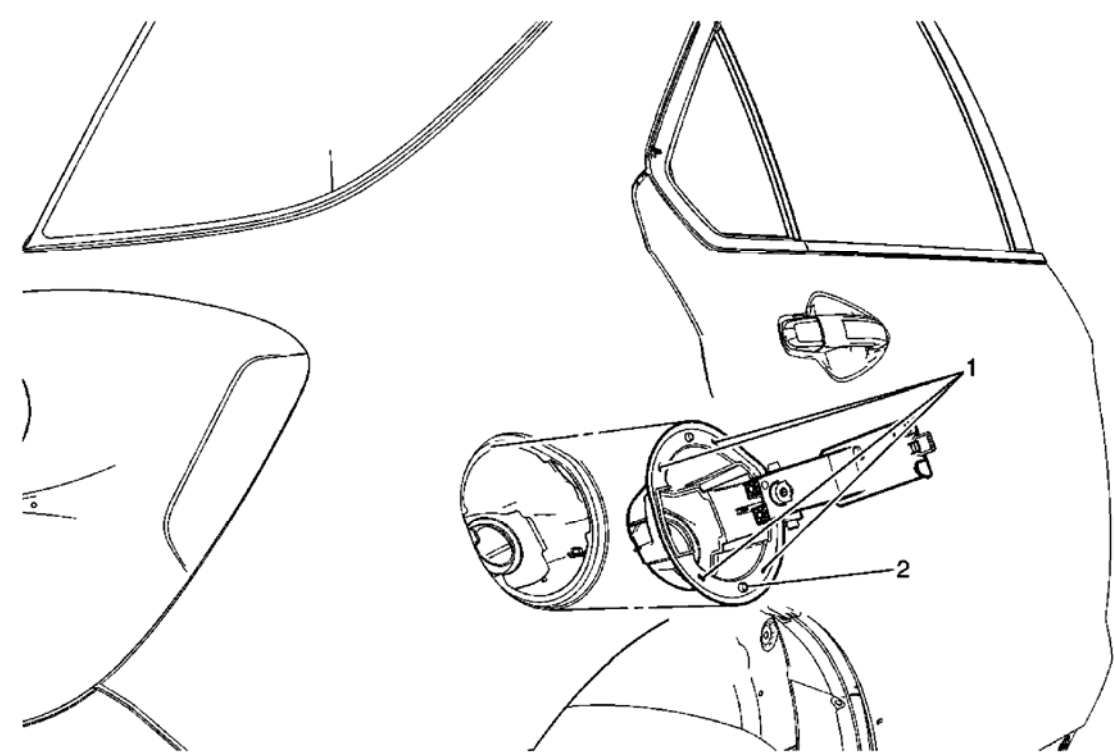


Fig. 24: Identifying Fuel Tank Filler Pipe Housing Components (Equinox)
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures	
1. Remove the rear wheelhouse panel liner. Refer to <u>Rear Wheelhouse Panel Liner Replacement (Equinox)</u> or <u>Rear Wheelhouse Panel Liner Replacement (Terrain)</u> .	
2. Remove the fuel tank filler door. Refer to <u>Fuel Tank Filler Door Replacement (Equinox)</u> or <u>Fuel Tank Filler Door Replacement (Terrain)</u> .	
1	Fuel Tank Filler Pipe Housing Retainer (Qty: 4) Procedure:

	Release the 4 filler pipe housing retainers on the back of the housing.
2	Fuel Tank Filler Pipe Housing Procedure: Press the fuel tank filler housing outward from the fuel filler pipe and the quarter panel.

FUEL TANK FILLER PIPE HOUSING REPLACEMENT (TERRAIN)

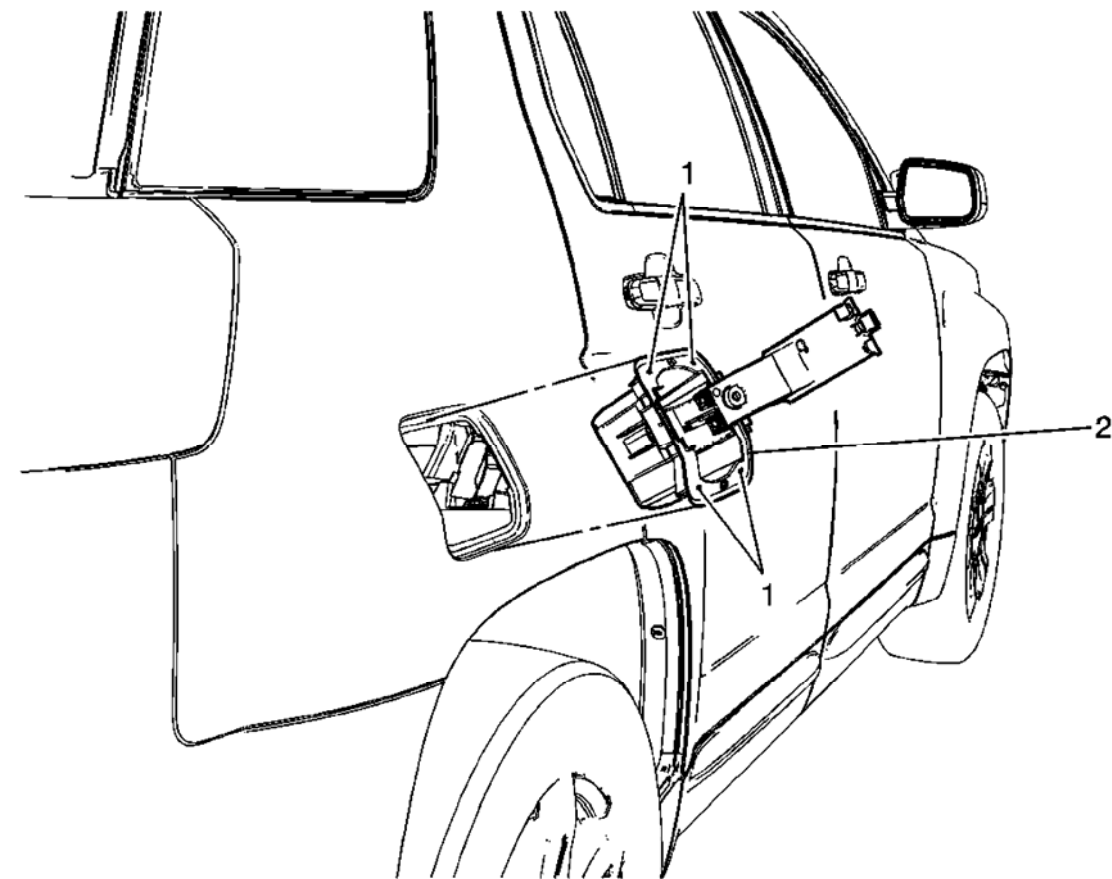


Fig. 25: Identifying Fuel Tank Filler Pipe Housing Components (Terrain)
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures	
1. Remove the rear wheelhouse panel liner. Refer to <u>Rear Wheelhouse Panel Liner Replacement (Equinox)</u> or <u>Rear Wheelhouse Panel Liner Replacement (Terrain)</u> .	
2. Remove the fuel tank filler door. Refer to <u>Fuel Tank Filler Door Replacement (Equinox)</u> or <u>Fuel Tank Filler Door Replacement (Terrain)</u> .	
1	Fuel Tank Filler Pipe Housing Retainer (Qty: 4) Procedure: Release the 4 filler pipe housing retainers on the back of the housing.

Procedure:

Press the fuel tank filler housing outward from the fuel filler pipe and the quarter panel.

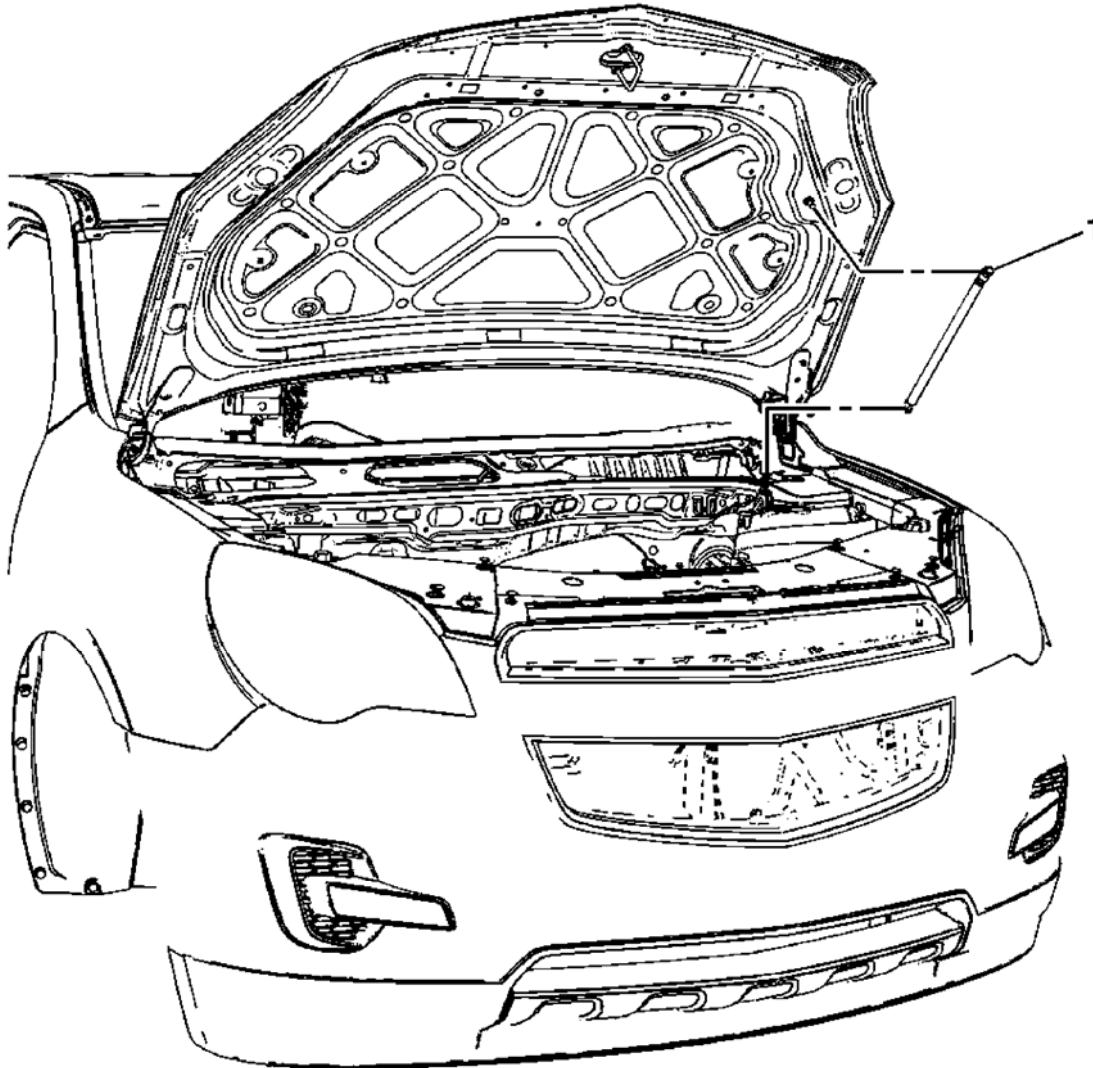
HOOD STRUT REPLACEMENT

Fig. 26: Identifying Hood Strut

Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
	Hood Strut Assembly
	WARNING: When a hood hold open device is being removed or installed, provide alternate support

to avoid the possibility of damage to the vehicle or personal injury.

CAUTION:

Apply pressure only at the end of the liftgate/hood assist rod that you are removing or attaching. Do NOT apply pressure to the middle of the rod because damage or bending will result.

Tip: Remove the metal clip at the ends of the hood strut, then pull away from the stud.

HOOD FRONT SEAL REPLACEMENT

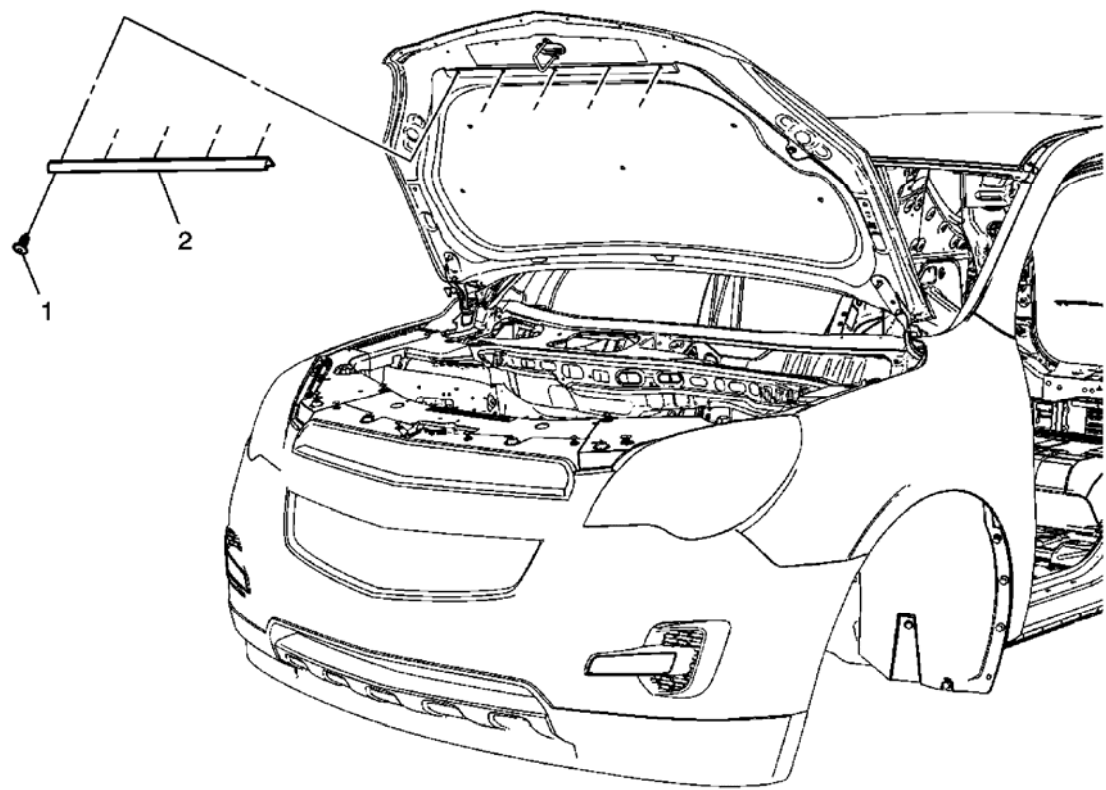


Fig. 27: Identifying Hood Front Seal Components
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Hood Front Seal Push-In Retainer (Qty: 5)
2	Hood Front Seal

HOOD REAR WEATHERSTRIP REPLACEMENT

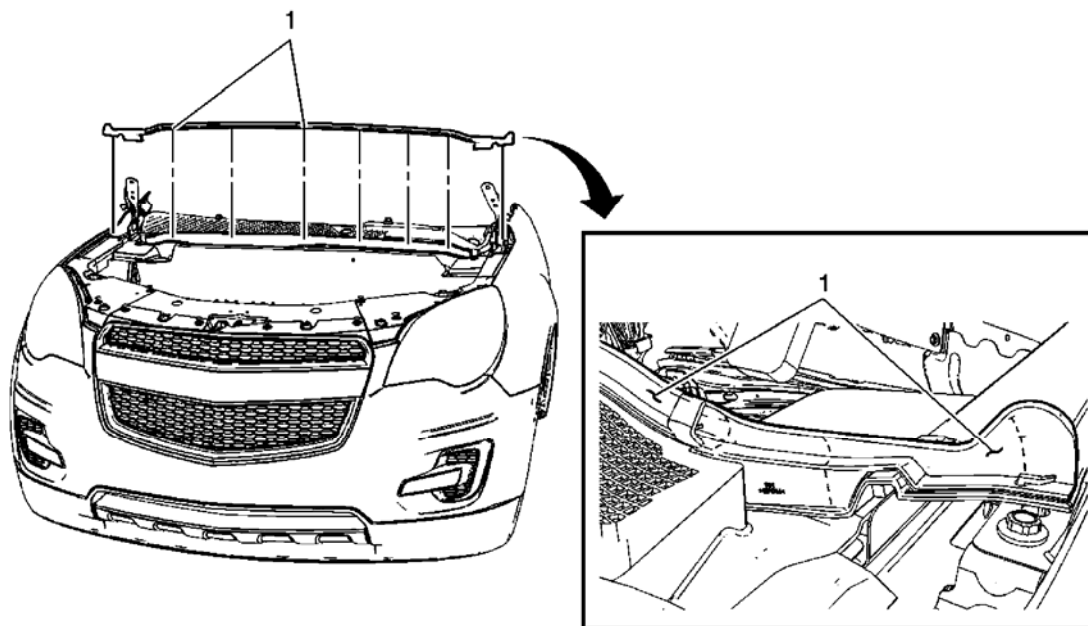


Fig. 28: Identifying Hood Rear Weatherstrip
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Hood Rear Weatherstrip Procedure: The hood rear weatherstrip is held in place with 14 plastic retainers that are part of the weatherstrip. Carefully pull the weatherstrip to the right/left to release from the retainers on the air inlet grille.

REAR SIDE DOOR LOWER REAR AUXILIARY SEALING STRIP REPLACEMENT

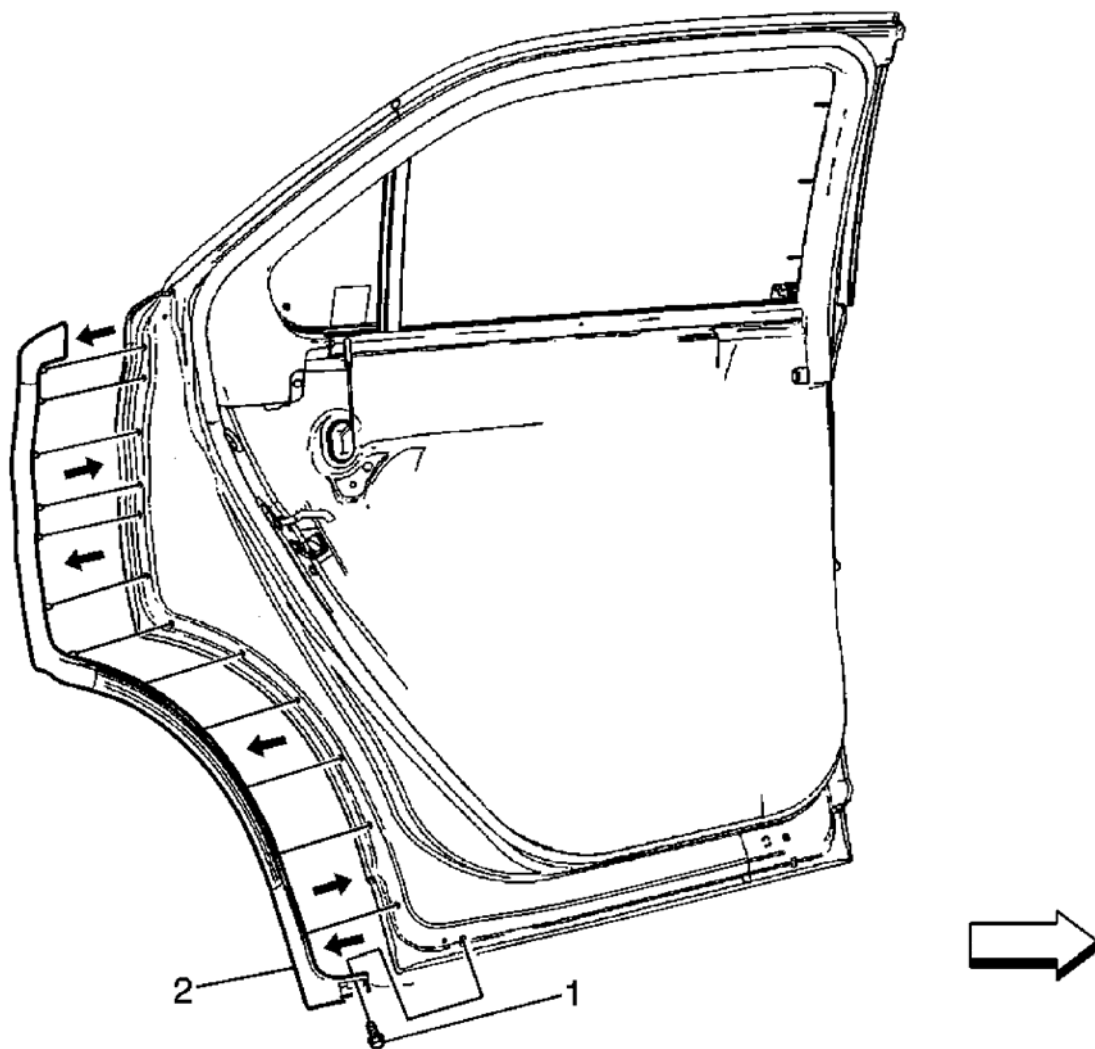


Fig. 29: Identifying Rear Side Door Lower Rear Auxiliary Sealing Strip Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Rear Side Door Lower Auxiliary Weatherstrip Fastener
2	Rear Side Door Lower Auxiliary Weatherstrip

LIFTGATE STRUT REPLACEMENT

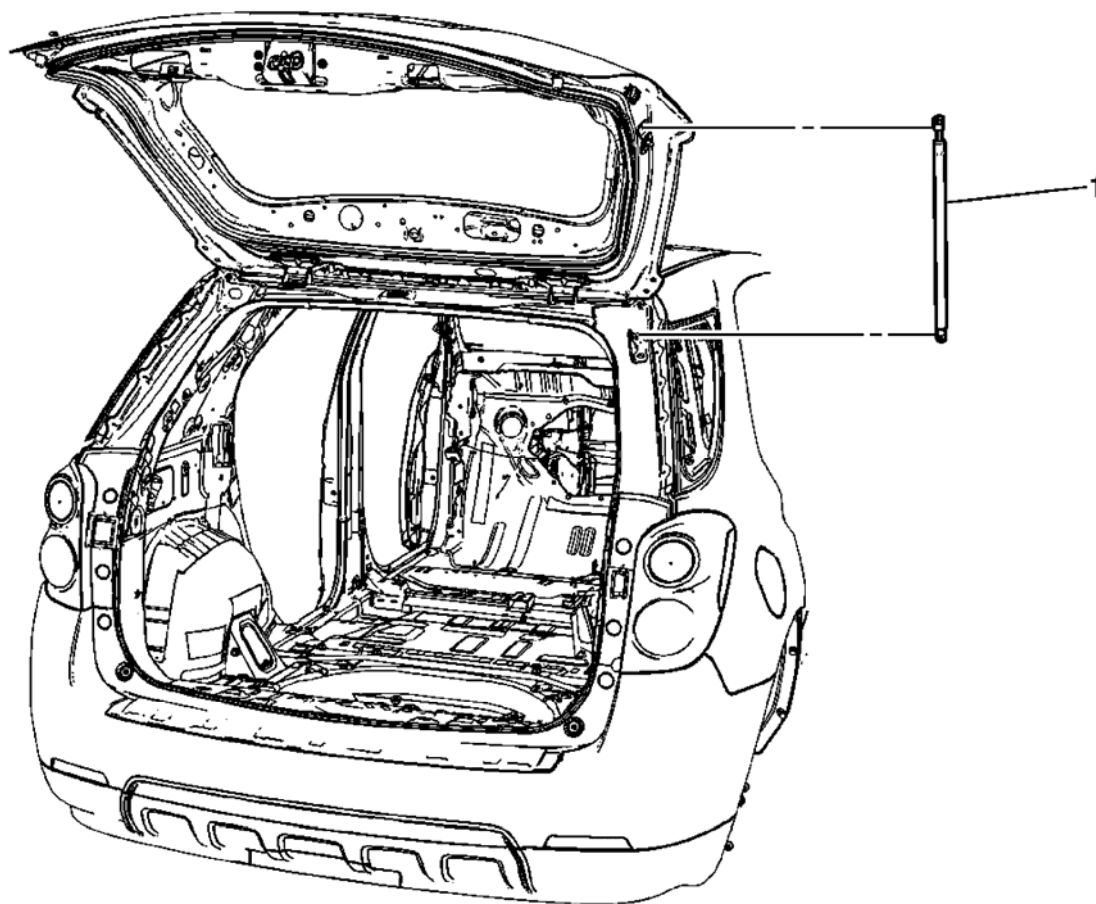


Fig. 30: Identifying Liftgate Strut
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Liftgate Strut Rod WARNING: When a lift gate hold open device is being removed or installed, provide alternate support to avoid the possibility of damage to the vehicle or personal injury. CAUTION: Apply pressure only at the end of the liftgate/hood assist rod that you are removing or attaching. Do NOT apply pressure to the middle of the rod because damage or bending will result. Procedure 1. Release the locking tabs on the strut. 2. Ensure the clip is fully seated when rod is reinstalled. If the clip cannot be fully

seated, a new rod should be installed.

FRONT OR REAR SIDE DOOR LOWER WEATHERSTRIP REPLACEMENT

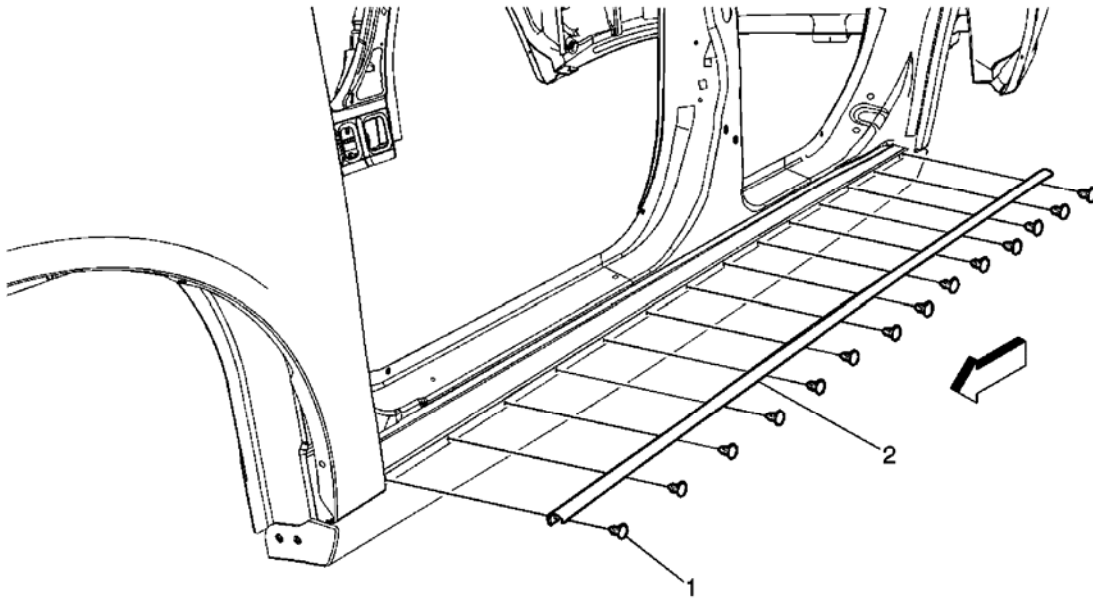


Fig. 31: Identifying Front or Rear Side Door Lower Weatherstrip Components
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Front and Rear Door Lower Weatherstrip Retainer (Qty: 17) Procedures 1. Open both side doors on the side the weatherstrip is being serviced. 2. Use a suitable tool in the removal of the retainers.
2	Front and Rear Door Lower Weatherstrip

FRONT SIDE DOOR WEATHERSTRIP REPLACEMENT

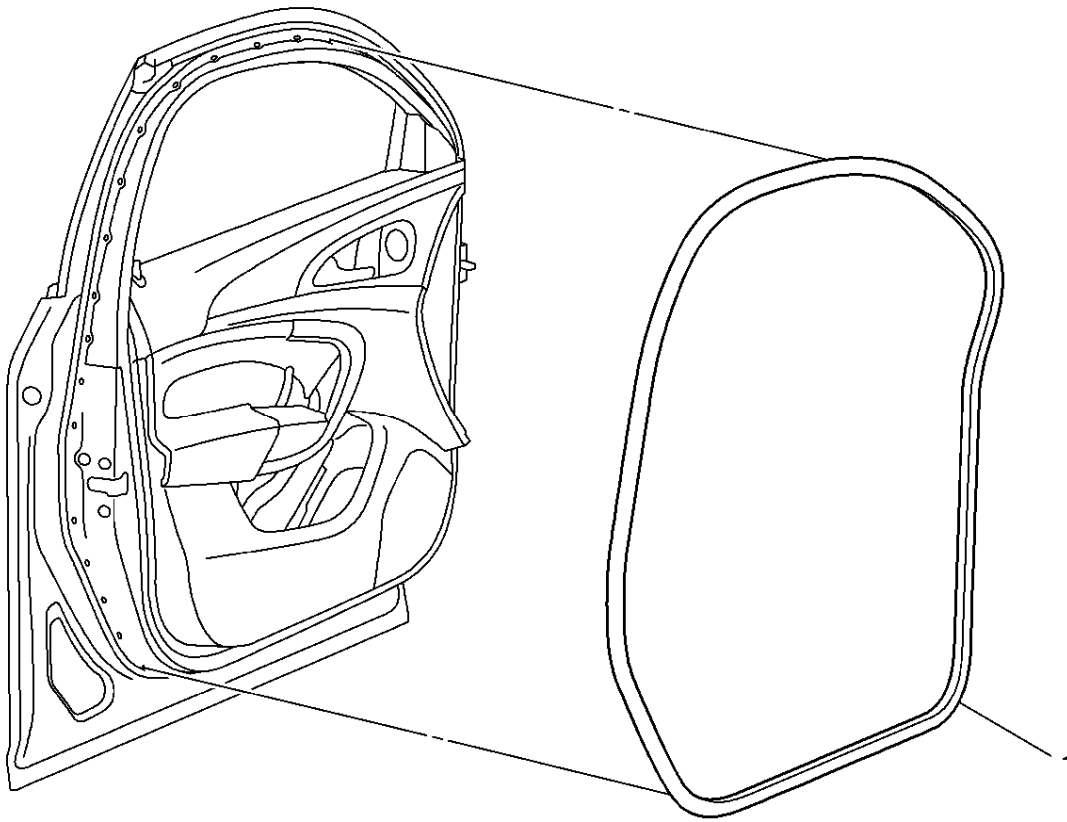


Fig. 32: Identifying Front Side Door Weatherstrip
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures: Remove the front side door check link. Refer to <u>Rear Side Door Check Link Replacement</u> .	
1	Front Side Door Weatherstrip Procedure: Use a suitable tool in the removal of the front side door weatherstrip retainers.

FRONT SIDE DOOR AUXILIARY WEATHERSTRIP REPLACEMENT

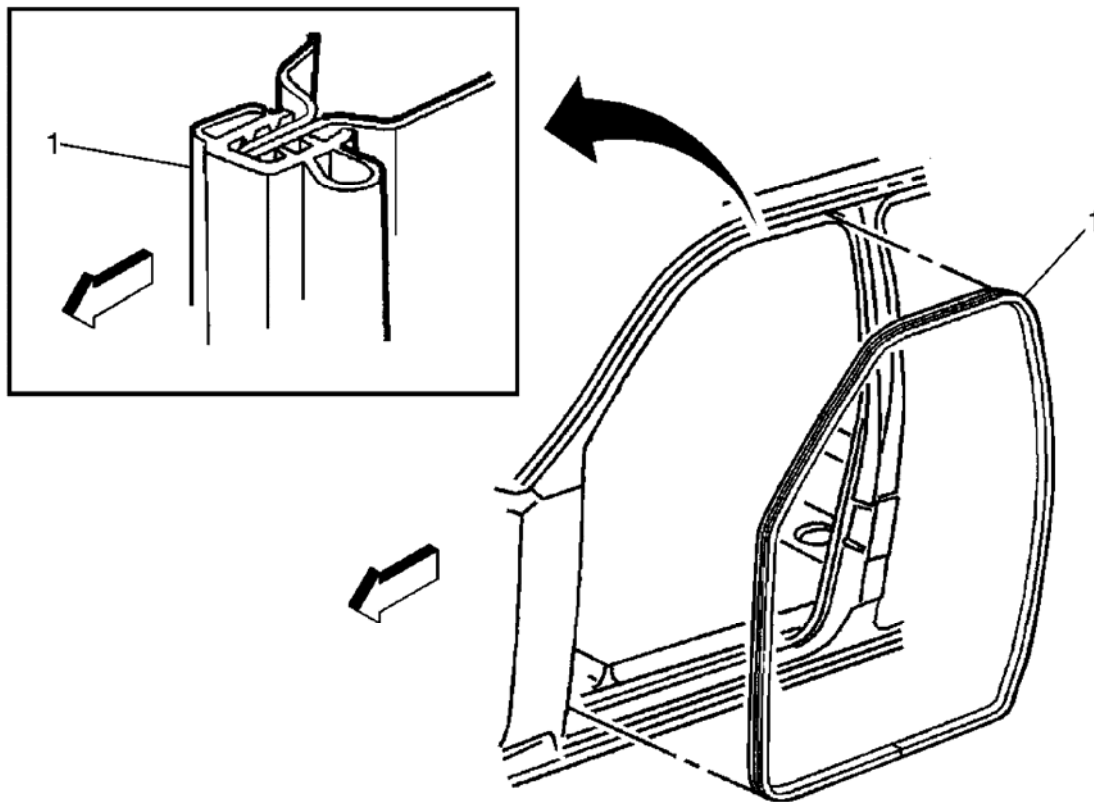


Fig. 33: Identifying Front Side Door Auxiliary Weatherstrip
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedure: Remove the body hinge pillar trim panel. Refer to <u>Body Hinge Pillar Trim Panel Replacement</u> .	
1	Front Side Door Auxiliary Weatherstrip Procedures 1. Reposition trim panels if necessary to allow the weatherstrip to be removed. 2. Align the weatherstrip to the door opening with the bond joint positioned at the lower center of the door opening. 3. Install the weatherstrip to the pinch-weld flange. Ensure the weatherstrip is fully seated.

LIFTGATE WEATHERSTRIP REPLACEMENT

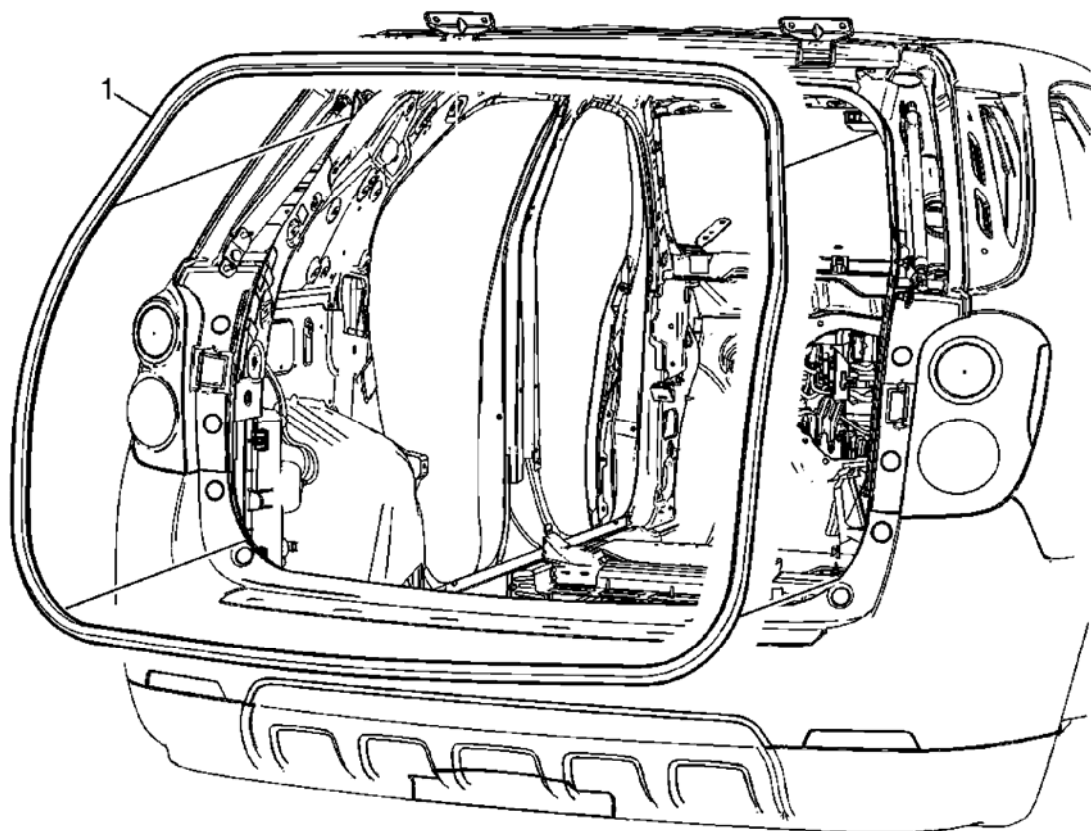


Fig. 34: Identifying Liftgate Weatherstrip
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Liftgate Weatherstrip Procedure: Clean the area where the seal will be mounted. Use a suitable solvent with a mixture of 50 percent isopropyl alcohol and 50 percent water by volume, or high-flash naphtha.

LIFTGATE UPPER WEATHERSTRIP REPLACEMENT

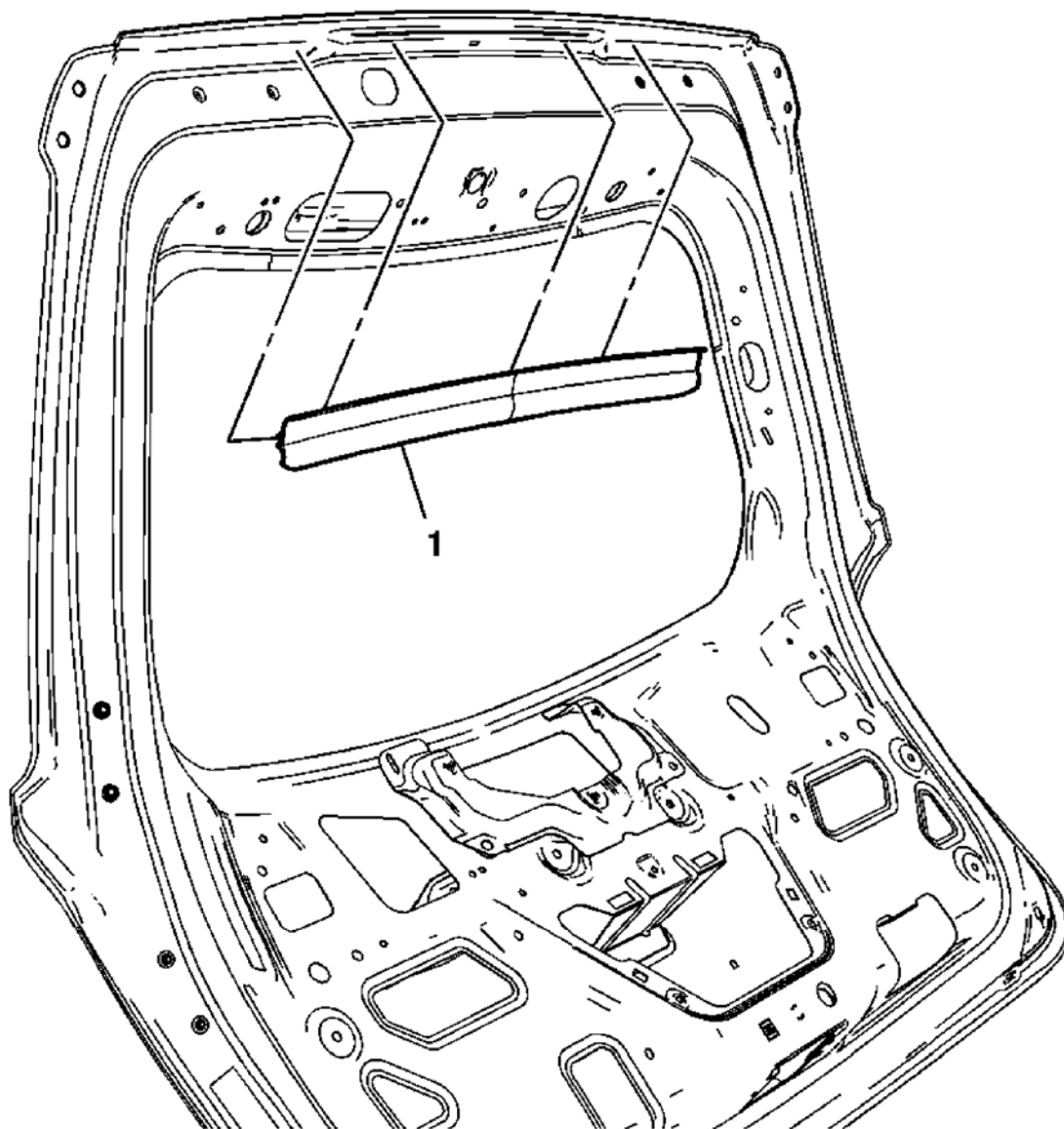


Fig. 35: Identifying Liftgate Upper Weatherstrip
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Liftgate Upper Weatherstrip Procedure 1. Clean the area where the liftgate upper weatherstrip will be mounted. Use a suitable solvent with a mixture to 50 percent isopropyl alcohol and 50 percent water by volume, or high-flash naptha. 2. Apply thumb pressure to the liftgate upper weatherstrip to ensure the weatherstrip is

fully seated into the retainer.

REAR SIDE DOOR AUXILIARY WEATHERSTRIP REPLACEMENT

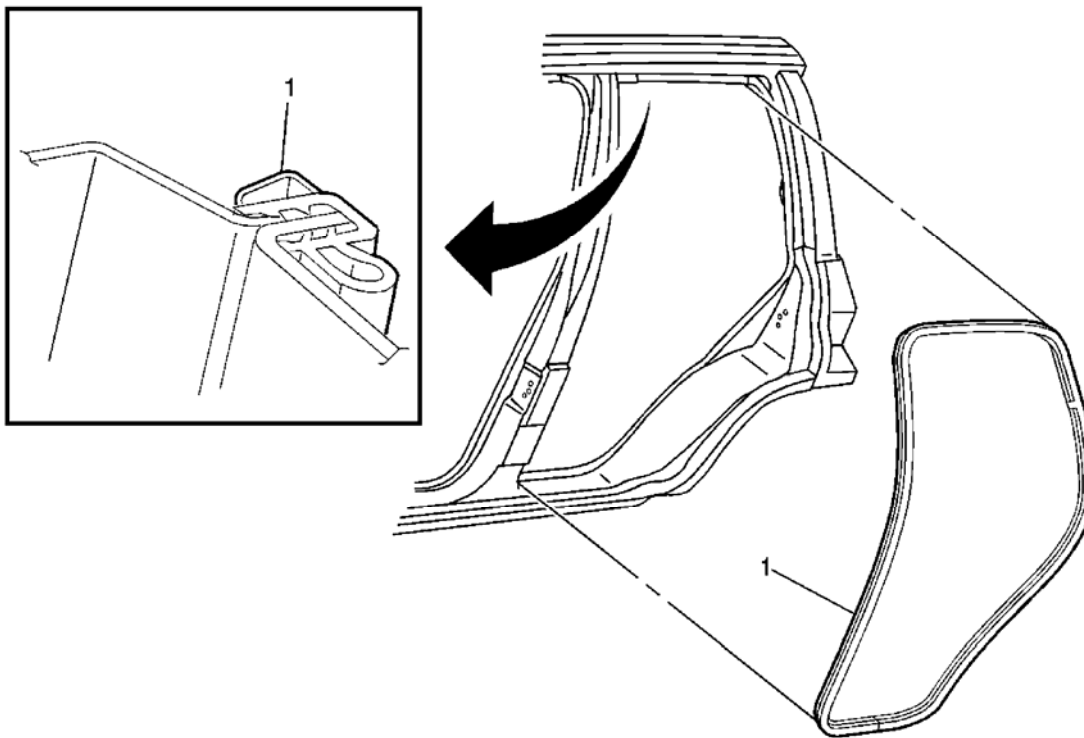


Fig. 36: Identifying Rear Side Door Auxiliary Weatherstrip
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedure: Remove the rear side door opening floor carpet retainer. Refer to <u>Rear Side Door Opening Floor Carpet Retainer Replacement</u> .	
1	Rear Side Door Auxiliary Weatherstrip Procedures 1. Reposition trim panels if necessary to allow the weatherstrip to be removed. 2. Align the weatherstrip to the door opening with the bond joint positioned at the lower center of the door opening. 3. Install the weatherstrip to the pinch-weld flange. Ensure the weatherstrip is fully seated.

REAR SIDE DOOR WEATHERSTRIP REPLACEMENT

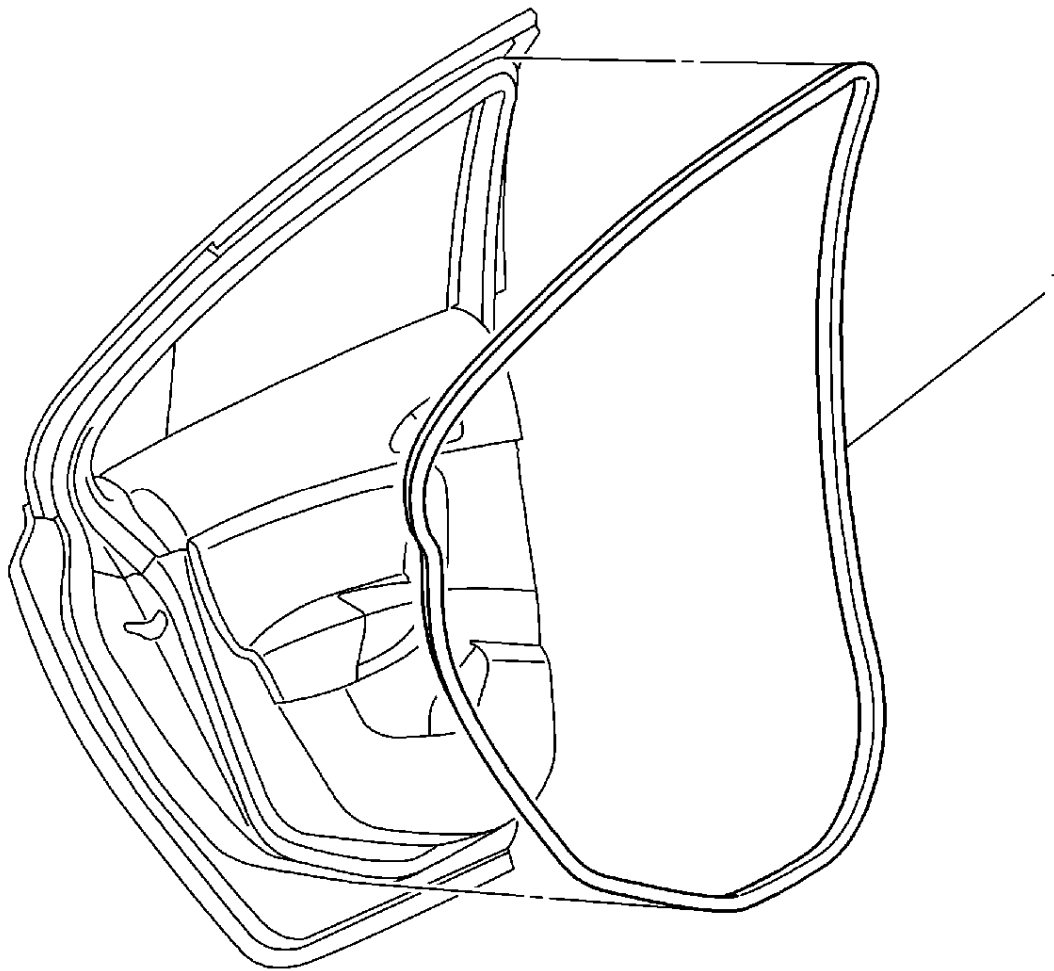


Fig. 37: Identifying Rear Side Door Weatherstrip
Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedures: Remove the rear side door check link. Refer to <u>Front Side Door Check Link Replacement</u> .	
1	Rear Side Door Weatherstrip Procedure: Use a suitable tool in the removal of the rear side door weatherstrip retainers.

LIFTGATE WEDGE REPLACEMENT

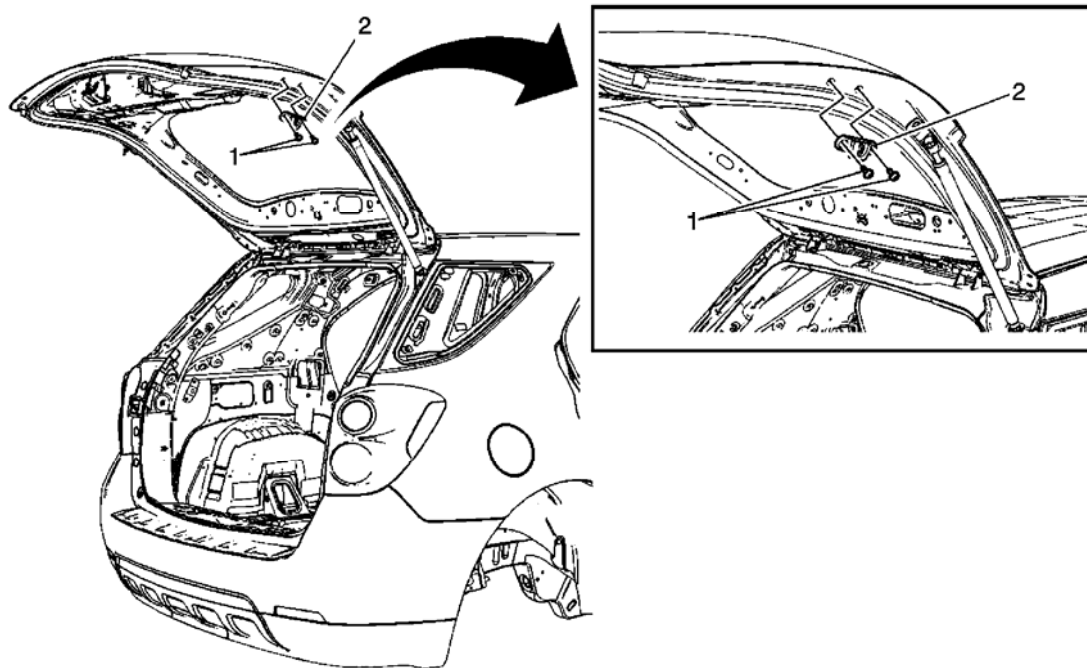


Fig. 38: Identifying Liftgate Wedge Components
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
1	Liftgate Wedge Retainer (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 7 N.m (62 lb in)
2	Liftgate Wedge

LIFTGATE WEDGE REPLACEMENT - BODY SIDE

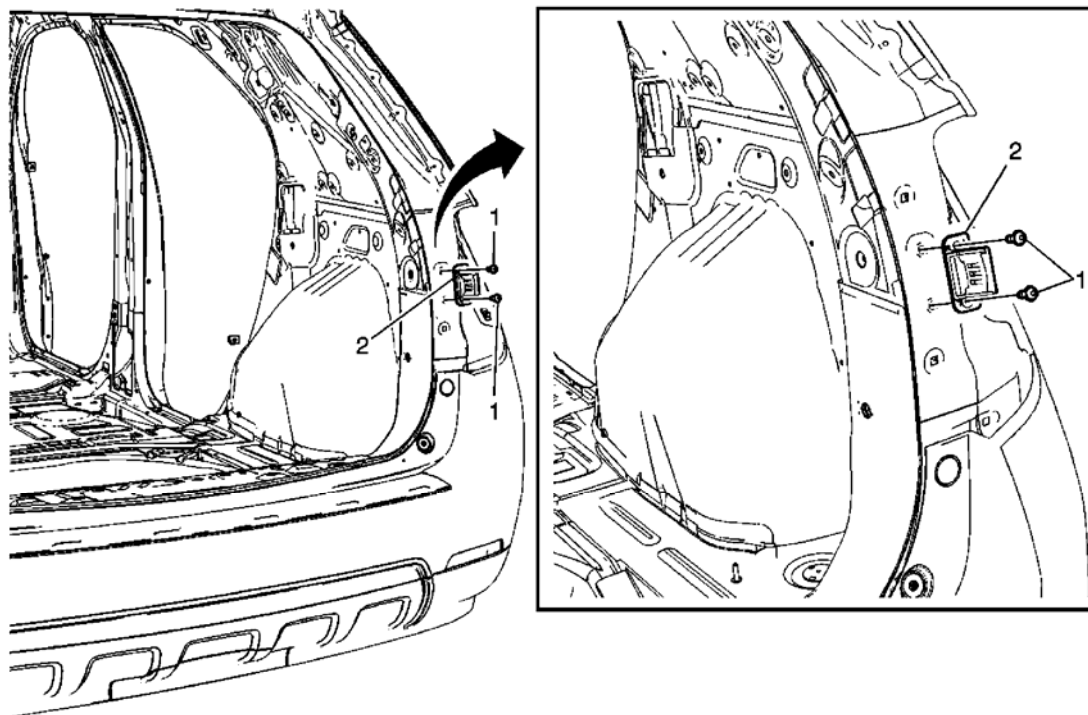


Fig. 39: Identifying Liftgate Wedge Components - Body Side
 Courtesy of GENERAL MOTORS CORP.

Callout	Component Name
Preliminary Procedure: Remove the tail lamp. Refer to <u>Tail Lamp Replacement (Equinox)</u> or <u>Tail Lamp Replacement (Terrain)</u> .	
1	Liftgate Wedge Retainer (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten: 7 N.m (62 lb in)
2	Liftgate Wedge Tip: The liftgate wedge will fit the right of left side.