SPECIFICATIONS

FASTENER TIGHTENING SPECIFICATIONS

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Front Bumper Fascia Air Deflector Bolt	2.5 N.m	22 lb in
Front Bumper Fascia Center Support Bolt	9 N.m	80 lb in
Front Bumper Fascia Energy Absorber Bolt	9 N.m	80 lb in
Front Bumper Fascia Energy Lower Absorber Bolt	2.5 N.m	22 lb in
Front Bumper Fascia Extension Screws	2 N.m	18 lb in
Front Bumper Fascia Lower Bolt To Radiator Baffle	2.5 N.m	22 lb in
Front Bumper Fascia Outer Bracket Bolt	2.5 N.m	22 lb in
Front Bumper Fascia Upper Bolts	9 N.m	80 lb in
Front Bumper Valance Panel Screws	2.5 N.m	22 lb in
Front Center Air Deflector Bolt	2.5 N.m	22 lb in
Radiator Air Deflector Screws	3 N.m	27 lb in
Rear Bumper Fascia Energy Absorber Bolt	9 N.m	80 lb in
Rear Bumper Fascia Extension Screws	2 N.m	18 lb in
Rear Bumper Fascia Bolts	2.5 N.m	22 lb in
Rear Bumper Fascia Guide Bolt	2.5 N.m	22 lb in
Rear Bumper Fascia Outer Support Bracket Bolt	7 N.m	62 lb in
Rear Bumper Fascia Outer Support Nut	9 N.m	80 lb in
Rear Bumper Lower Fascia Screw	2.5 N.m	22 lb in
Rear Bumper Upper Fascia Screw	2.5 N.m	22 lb in

REPAIR INSTRUCTIONS

FRONT BUMPER FASCIA ENERGY ABSORBER REPLACEMENT

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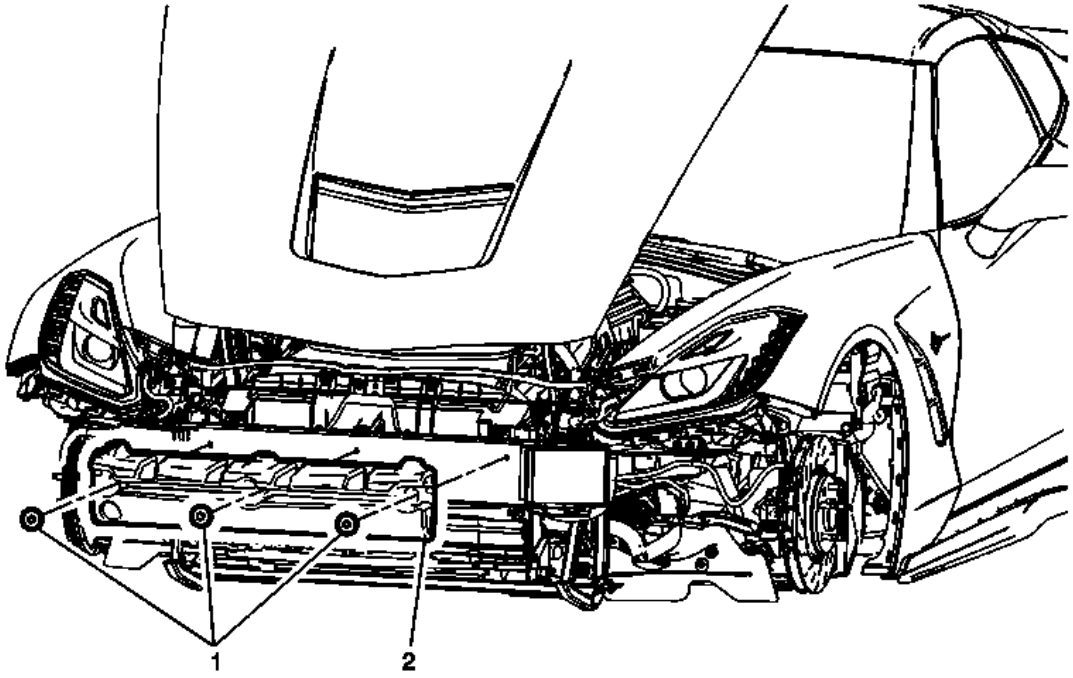

Fig. 1: Front Bumper Fascia Energy Absorber
Courtesy of GENERAL MOTORS COMPANY

Front Bumper Fascia Energy Absorber Replacement

Callout	Component Name
Preliminary Procedure Remove the front bumper fascia. Refer to **Front Bumper Fascia Replacement**.	
1	Front Bumper Fascia Energy Absorber Bolt (Qty 3) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 9 (80 lb in)
2	Front Bumper Fascia Energy Absorber

FRONT BUMPER FASCIA ENERGY LOWER ABSORBER REPLACEMENT

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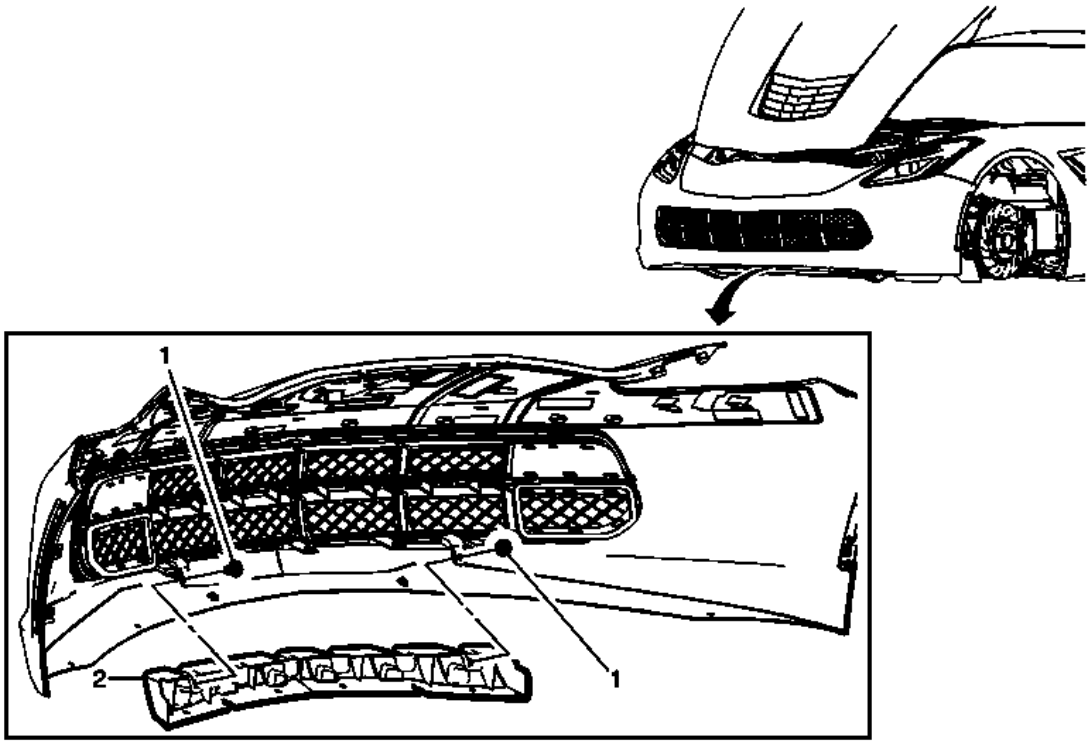

Fig. 2: Front Bumper Fascia Energy Lower Absorber
Courtesy of GENERAL MOTORS COMPANY

Front Bumper Fascia Energy Lower Absorber Replacement

Callout	Component Name
Preliminary Procedure Remove the front bumper fascia. Refer to **Front Bumper Fascia Replacement**.	
1	Front Bumper Fascia Energy Lower Absorber Bolt (Qty 2) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)
2	Front Bumper Fascia Energy Lower Absorber

FRONT BUMPER FASCIA REPLACEMENT

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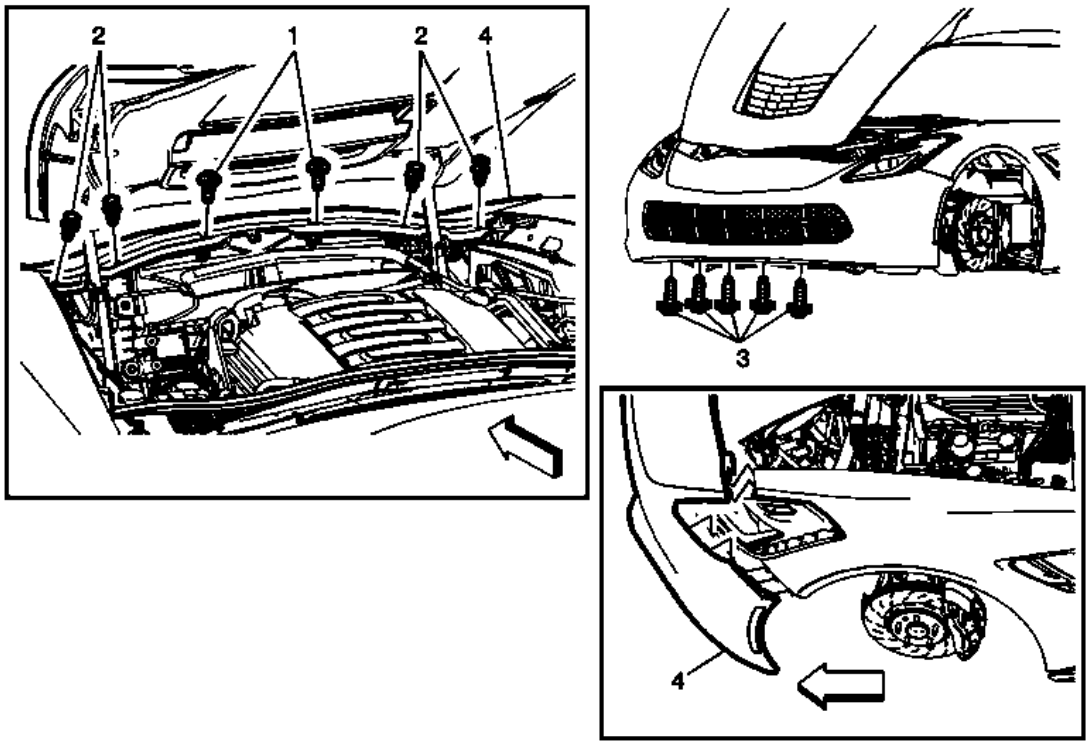

Fig. 3: Front Bumper Fascia
Courtesy of GENERAL MOTORS COMPANY

Front Bumper Fascia Replacement

Callout	Component Name
Preliminary Procedures 1. Remove the front compartment front side sight shield. **Front Compartment Side Sight Shield Replacement - Front** . 2. Remove the front bumper valance panel. Refer to **Front Bumper Valance Panel Replacement (Left Hand)**, **Front Bumper Valance Panel Replacement (Right Hand)** 3. Remove the front bumper fascia air deflector. Refer to **Front Bumper Fascia Air Deflector Replacement** 4. Remove the front wheel; house panel. Refer to **Front Wheelhouse Liner Replacement**	
1	Front Bumper Fascia Upper Bolt (Qty 2) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 9 (80 lb in)
2	Front Bumper Fascia Push-in Retainer (Qty: 4)

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3	**Tighten** 2.5 (22 lb in)
4	Front Bumper Fascia **Procedure** 1. Carefully push a small nylon wedge between the fascia and the front fascia guide. Insert a small flat-bladed tool into the fascia slot and depress the snaps one at a time and pull on the fascia at the same time to gradually remove the fascia from the front fascia guide. 2. Once the front bumper fascia has been released from the front fascia guide pull slightly up ward on the fascia to release the tabs on the fascia from the headlamp bracket. 3. Disconnect any electrical connectors. 4. Transfer components as necessary.

FRONT BUMPER FASCIA CENTER SUPPORT REPLACEMENT

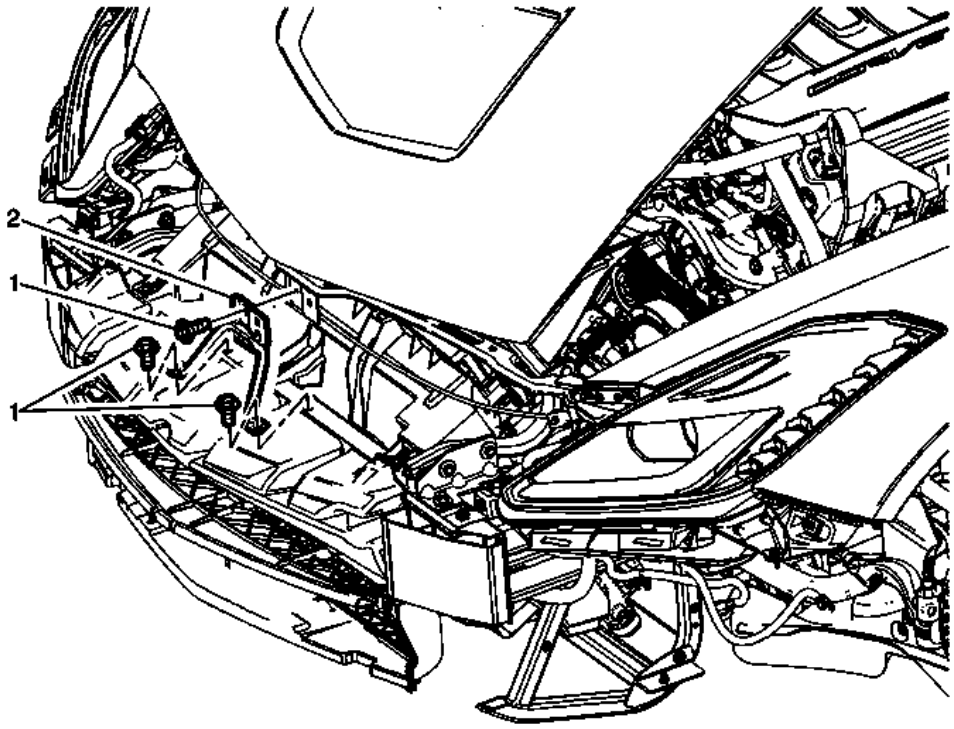

Fig. 4: Front Bumper Fascia Center Support
Courtesy of GENERAL MOTORS COMPANY

Front Bumper Fascia Center Support Replacement

Callout	Component Name

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Remove the front bumper fascia. Refer to **Front Bumper Fascia Replacement**.	
1	Front Bumper Fascia Center Support Bolt (Qty: 3) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 9 (80 lb in)
2	Front Bumper Fascia Center Support - Upper

FRONT BUMPER FASCIA OUTER BRACKET REPLACEMENT

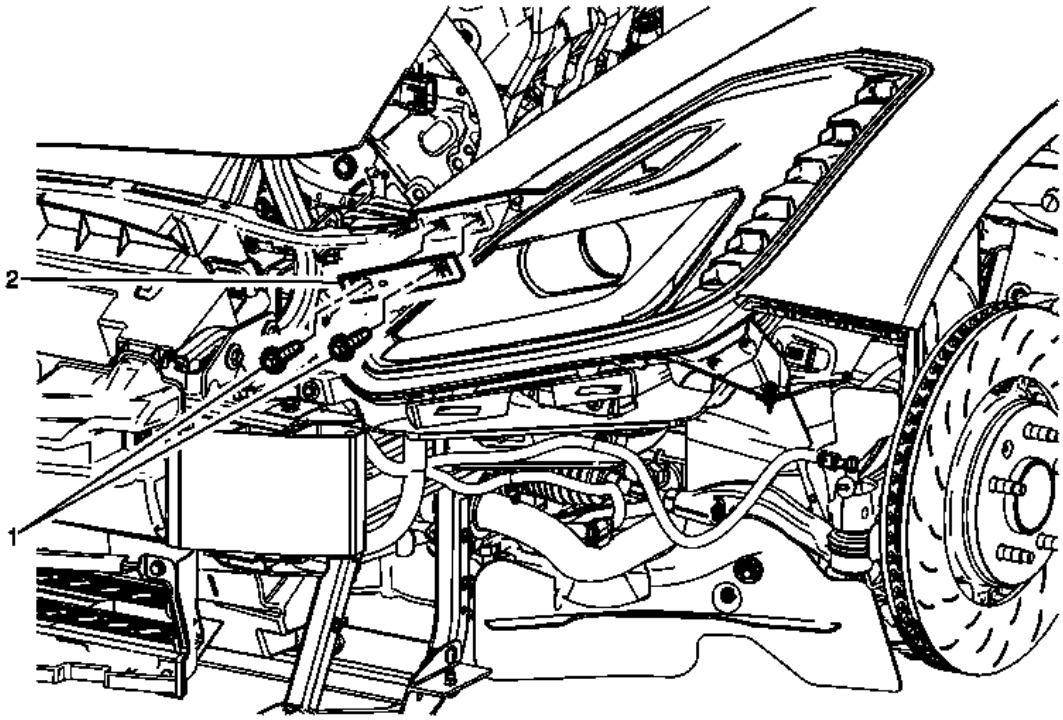

Fig. 5: Front Bumper Fascia Outer Bracket
Courtesy of GENERAL MOTORS COMPANY

Front Bumper Fascia Outer Bracket Replacement

Callout	Component Name
Preliminary Procedure Remove the front bumper fascia. Refer to **Front Bumper Fascia Replacement**.	
1	Front Bumper Fascia Outer Bracket Bolt (Qty: 2) **CAUTION:**

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	Tighten 2.5 (22 lb in)
2	Front Bumper Fascia Outer Bracket

FRONT BUMPER VALANCE PANEL REPLACEMENT (LEFT HAND)

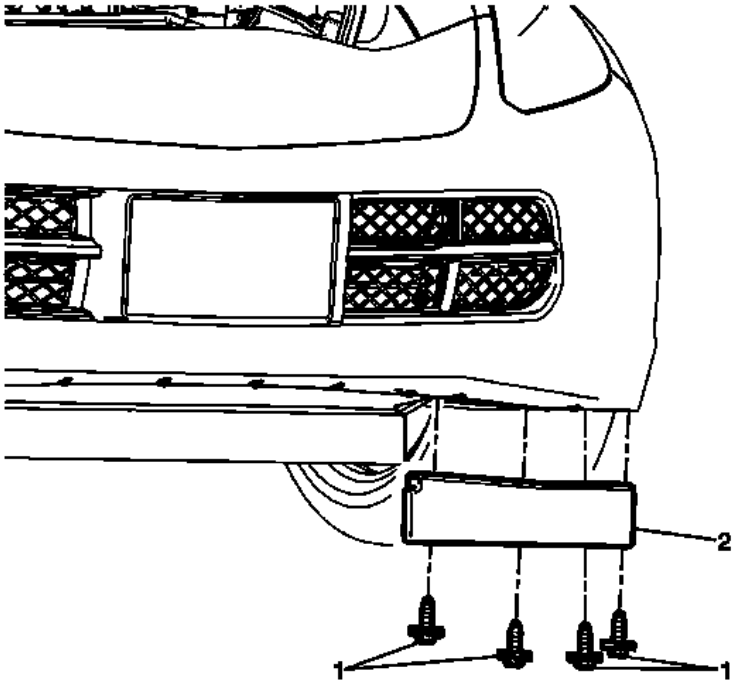

Fig. 6: Front Bumper Valance Panel (Left Hand)
Courtesy of GENERAL MOTORS COMPANY

Front Bumper Valance Panel Replacement (Left Hand)

Callout	Component Name
1	Front Bumper Valance Panel Screw (Qty: 4) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)
2	Front Bumper Valance Panel Left Hand

FRONT BUMPER VALANCE PANEL REPLACEMENT (RIGHT HAND)

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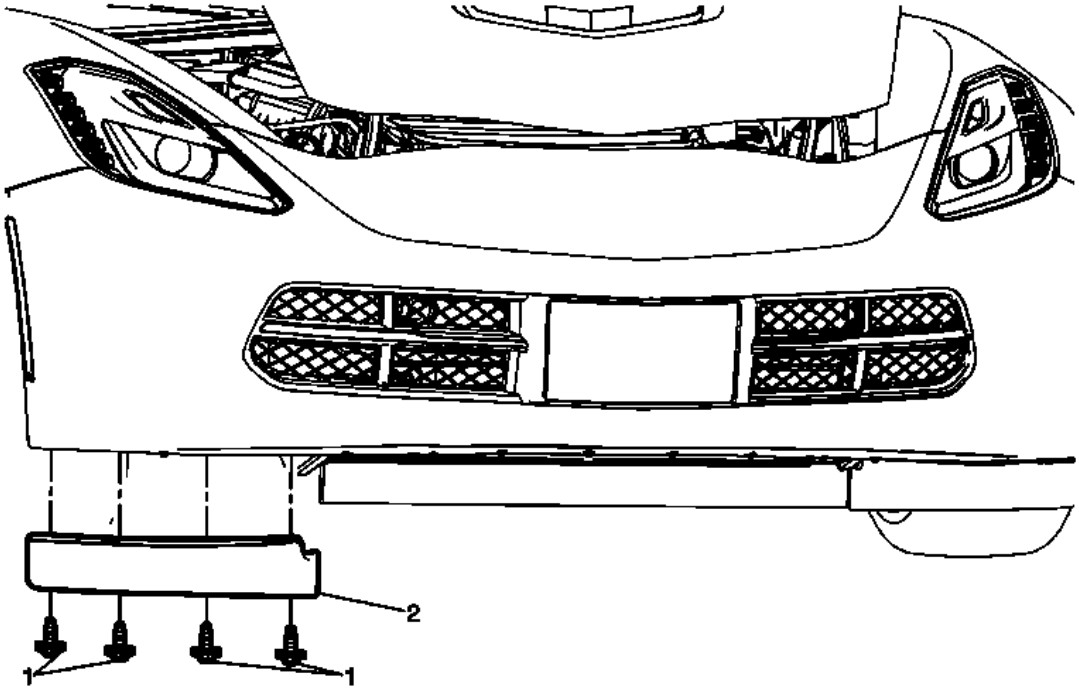

Fig. 7: Front Bumper Valance Panel (Right Hand)
Courtesy of GENERAL MOTORS COMPANY

Front Bumper Valance Panel Replacement (Right Hand)

Callout	Component Name
1	Front Bumper Valance Panel Bolt (Qty: 4) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)
2	Front Bumper Valance Panel Right Hand

FRONT CENTER AIR DEFLECTOR REPLACEMENT

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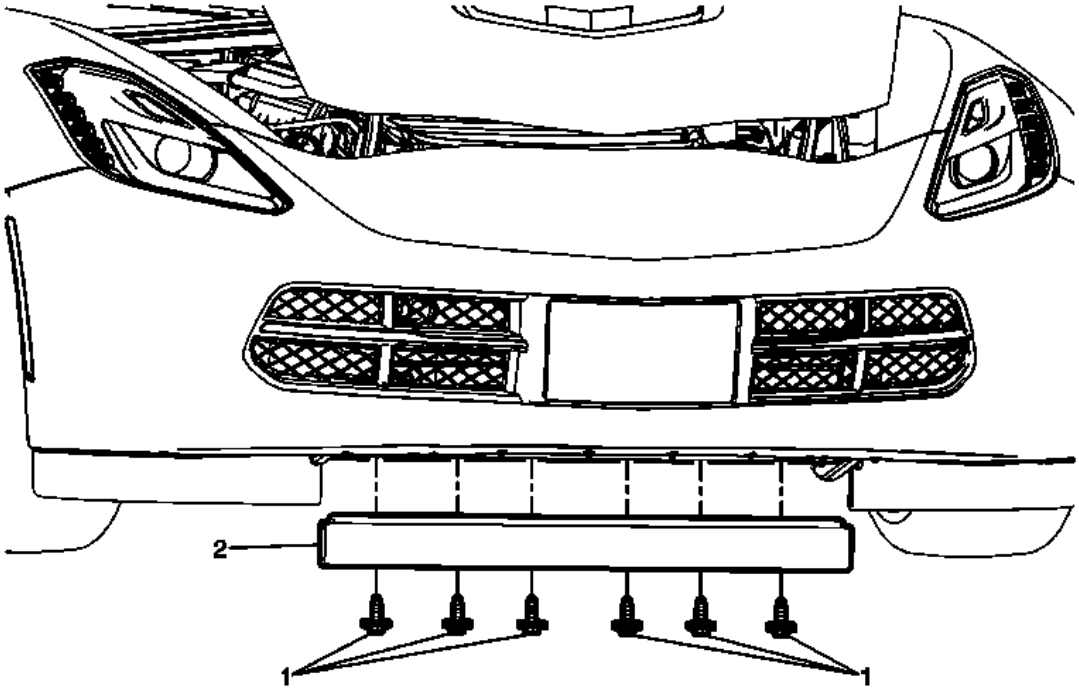

Fig. 8: Front Center Air Deflector
Courtesy of GENERAL MOTORS COMPANY

Front Center Air Deflector Replacement

Callout	Component Name
1	Front Center Air Deflector Bolt (Qty: 6) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)
2	Front Center Air Deflector **Procedure** Remove the front bumper fascia air deflector pulling forward to release the retainer tabs from the fascia.

FRONT BUMPER FASCIA AIR DEFLECTOR REPLACEMENT

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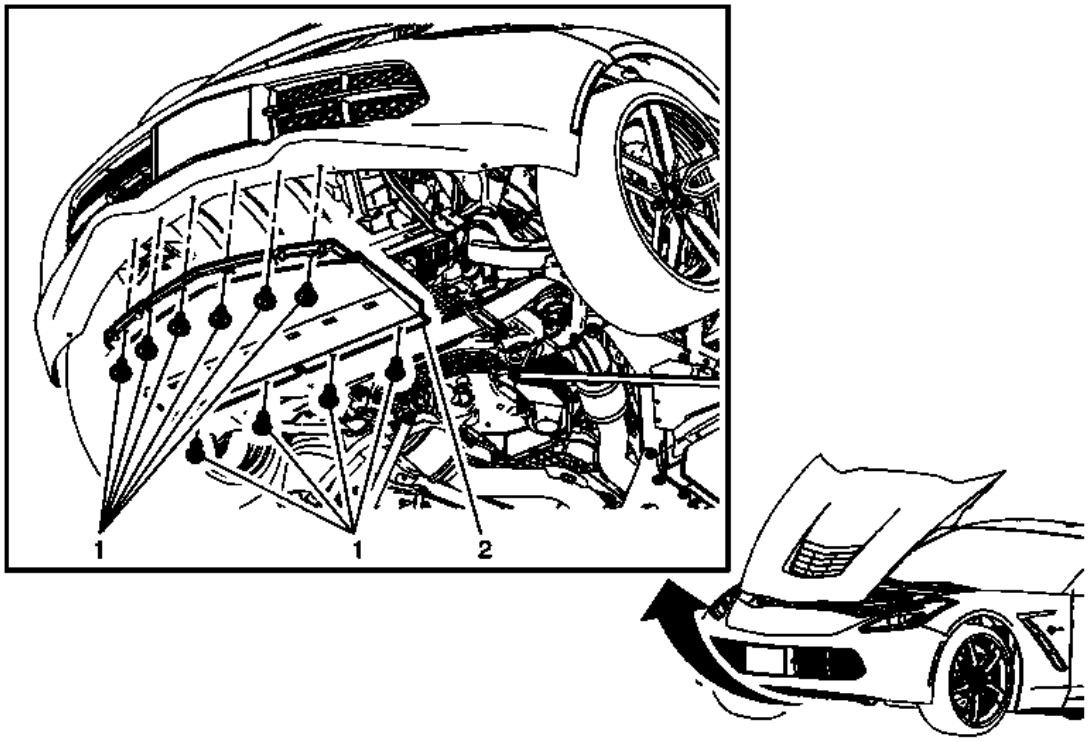

Fig. 9: Front Bumper Fascia Air Deflector
Courtesy of GENERAL MOTORS COMPANY

Front Bumper Fascia Air Deflector Replacement

Callout	Component Name
Preliminary Procedure Remove the front center air deflector. Refer to **Front Center Air Deflector Replacement**	
1	Front Bumper Fascia Air Deflector Bolt (Qty: 10) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)
2	Front Bumper Fascia Air Deflector **Procedure** Remove the front bumper fascia air deflector by pulling rearward to release the retainer tabs from the fascia.

REAR BUMPER FASCIA MOLDING REPLACEMENT

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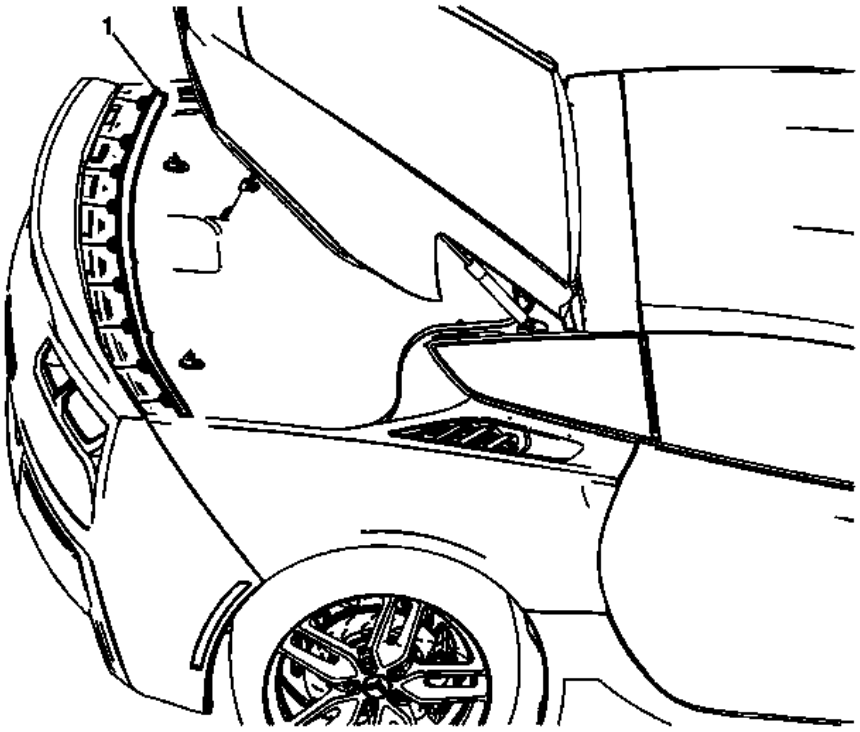

Fig. 10: Rear Bumper Fascia Molding
Courtesy of GENERAL MOTORS COMPANY

Rear Bumper Fascia Molding Replacement

Callout	Component Name
Preliminary Procedure Open and support the rear liftgate/rear compartment lid.	
1	Rear Bumper Fascia Molding **Procedure** Carefully push a small nylon wedge between the rear fascia and the rear bumper fascia molding. Insert a small flat-bladed tool into the fascia slot and depress the tabs one at a time and pull on the rear bumper fascia molding at the same time to gradually remove the rear bumper fascia molding from the rear fascia.

REAR BUMPER FASCIA REPLACEMENT

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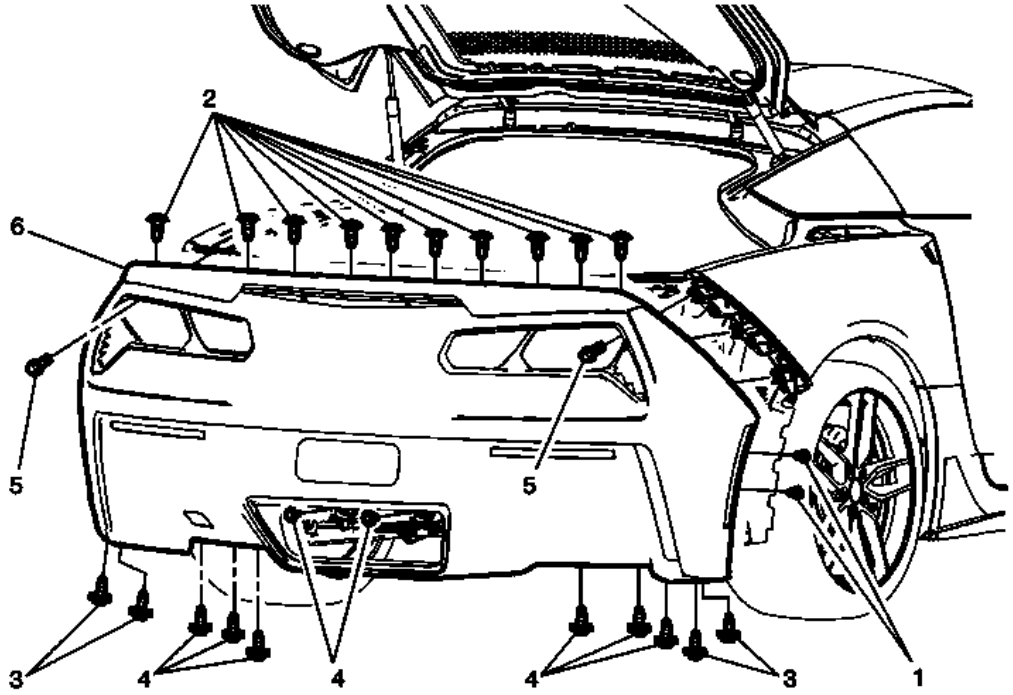

Fig. 11: Rear Bumper Fascia
Courtesy of GENERAL MOTORS COMPANY

Rear Bumper Fascia Replacement

Callout	Component Name
Preliminary Procedures 1. Remove the rear bumper fascia molding. Refer to **Rear Bumper Fascia Molding Replacement**. 2. Remove the rear compartment side trim - left side. Refer to **Rear Compartment Side Trim Replacement - Left Side (Coupe)** , **Rear Compartment Side Trim Replacement - Left Side (Convertible)** 3. Remove the rear compartment floor panel trim. Refer to **Rear Compartment Floor Panel Trim Replacement (North America)** , **Rear Compartment Floor Panel Trim Replacement (Export - CU9, CV5, CZ3, C4E)** 4. Disconnect the rear compartment lid latch release cable. Refer to **Rear Compartment Lid Latch Release Cable Handle Replacement** 5. Remove the rear wheel opening rear molding. Refer to cell **Rear Wheel Opening Rear Molding Replacement** 6. Remove the tail lamp bezel. Refer to **Tail Lamp Bezel Replacement**	
1	Rear Wheelhouse Panel Bolt (Qty: 4)
	Rear Bumper Fascia Bolt (Qty: 10)

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2	**Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)
3	Rear Bumper Fascia Outer Support Bracket Bolt (Qty: 4) **Tighten** 7 (62 lb in)
4	Rear Bumper Fascia Lower Bolts (Qty: 8) **Tighten** 7 (62 lb in)
5	Rear Bumper Fascia Upper Bolts (Qty: 2) **Tighten** 7 (62 lb in)
6	Rear Bumper Fascia **Procedure** 1. With the aid of an assistant. 2. Carefully pull the rear bumper fascia straight back to disengage the plastic clip retainers located on the rear bumper fascia guide. 3. Disconnect any electrical connectors. **NOTE:** **The tail lamps will be removed with the rear bumper fascia.**

REAR BUMPER FASCIA GUIDE REPLACEMENT

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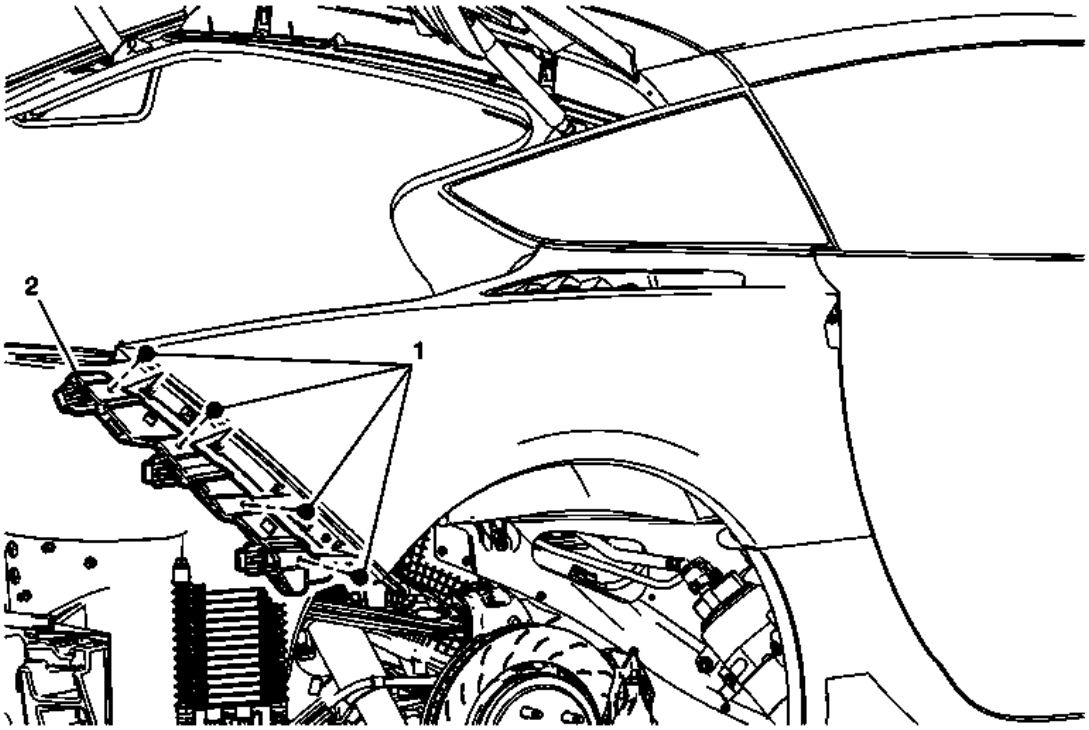

Fig. 12: Rear Bumper Fascia Guide
Courtesy of GENERAL MOTORS COMPANY

Rear Bumper Fascia Guide Replacement

Callout	Component Name
Preliminary Procedure Remove the rear bumper fascia. Refer to **Rear Bumper Fascia Replacement**.	
1	Rear Bumper Fascia Guide Bolt (Qty: 4) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)
2	Rear Bumper Fascia Guide

REAR BUMPER UPPER FASCIA REPLACEMENT

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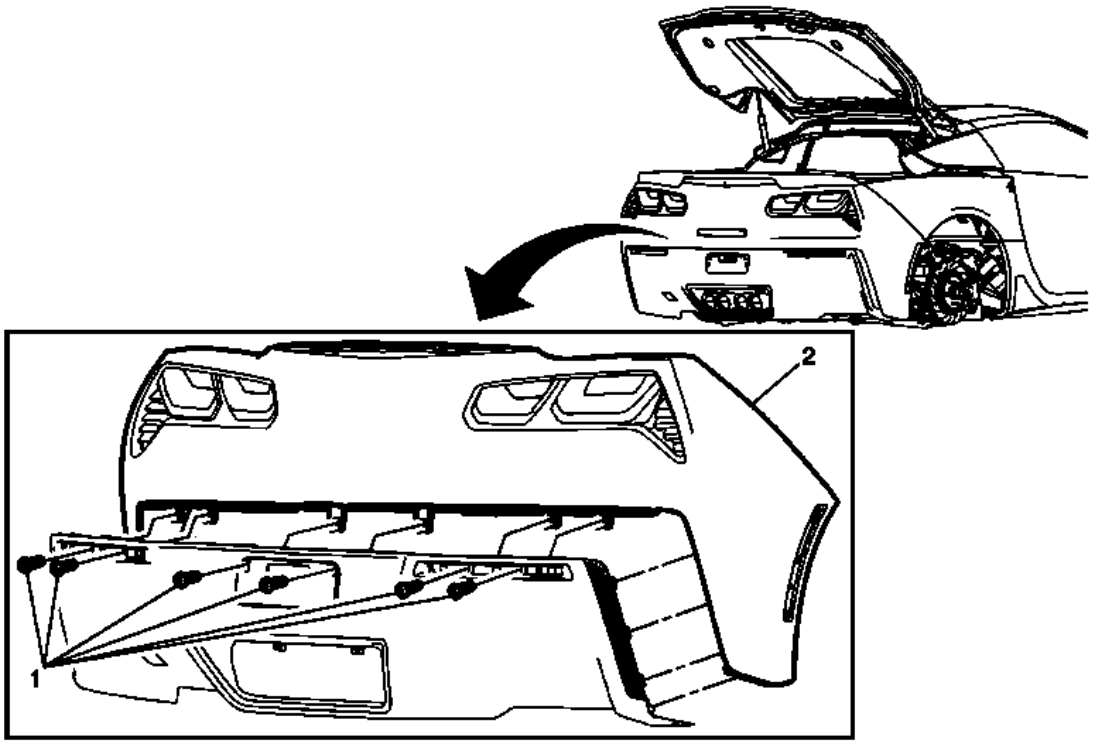

Fig. 13: Rear Bumper Upper Fascia
Courtesy of GENERAL MOTORS COMPANY

Rear Bumper Upper Fascia Replacement

Callout	Component Name
Preliminary Procedure 1. Remove the rear reflector. Refer to **Rear Reflector Replacement** 2. Remove the rear bumper fascia. Refer to **Rear Bumper Fascia Replacement**.	
1	Rear Bumper Upper Fascia Screw (Qty: 6) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)
2	Rear Bumper Upper Fascia **Procedure** 1. Place the bumper fascia down on a clean protected surface. 2. Carefully push a small nylon wedge between the upper fascia and the lower

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	snaps one at a time and pull on the fascia at the same time to gradually remove the upper fascia from the lower fascia. 3. Transfer part as needed.

REAR BUMPER LOWER FASCIA REPLACEMENT

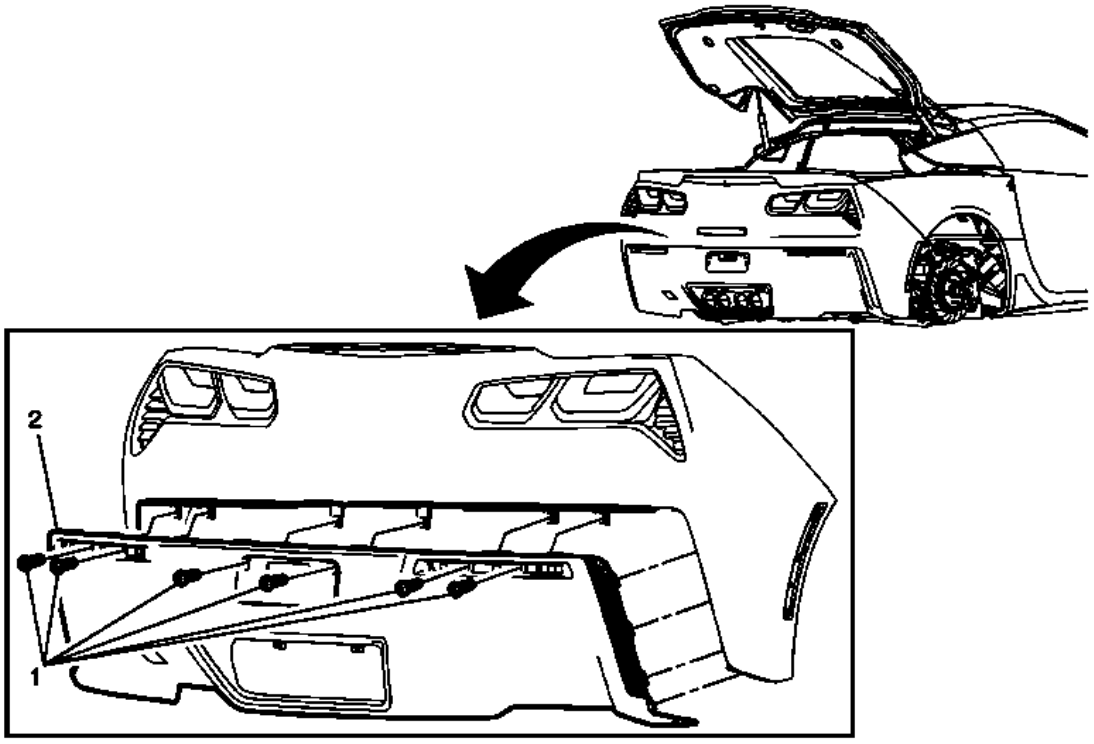

Fig. 14: Rear Bumper Lower Fascia
Courtesy of GENERAL MOTORS COMPANY

Rear Bumper Lower Fascia Replacement

Callout	Component Name
Preliminary Procedure 1. Remove the rear reflector. Refer to **Rear Reflector Replacement** 2. Remove the rear bumper fascia. Refer to **Rear Bumper Fascia Replacement**.	
1	Rear Bumper Lower Fascia Screw (Qty: 6) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 2.5 (22 lb in)

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2	**Procedure** 1. Carefully push a small nylon wedge between the upper fascia and the lower fascia. Insert a small flat-bladed tool into the fascia slot and depress the snaps one at a time and pull on the fascia at the same time to gradually remove the lower fascia from the upper fascias. 2. Transfer part as needed.

REAR BUMPER FASCIA OUTER SUPPORT REPLACEMENT

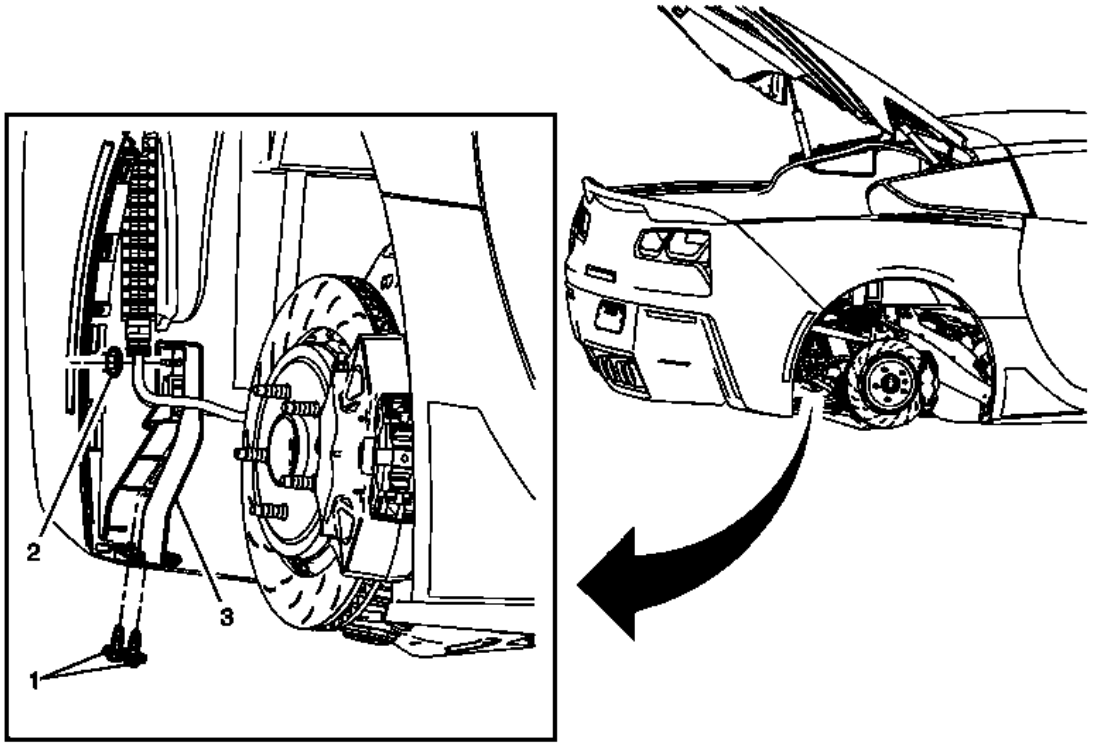

Fig. 15: Rear Bumper Fascia Outer Support
Courtesy of GENERAL MOTORS COMPANY

Rear Bumper Fascia Outer Support Replacement

Callout	Component Name
Preliminary Procedure Remove the rear wheelhouse liner. Refer to **Rear Wheelhouse Liner Replacement** .	
1	Rear Fascia Support Outer Bolt (Qty: 2) **CAUTION:** **Refer to Fastener Caution .**

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	7 (62 lb in)
2	Rear Bumper Fascia Outer Support Nut **Tighten** 9 (80 lb in)
3	Rear Bumper Fascia Outer Support

REAR BUMPER FASCIA ENERGY ABSORBER REPLACEMENT

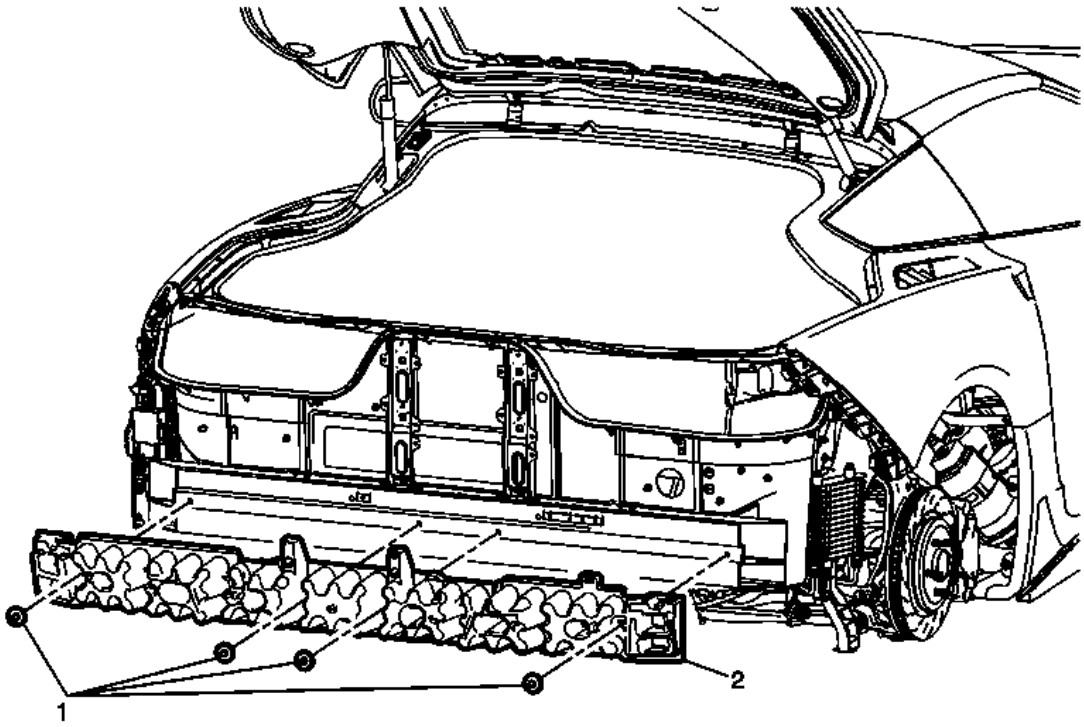

Fig. 16: Rear Bumper Fascia Energy Absorber
Courtesy of GENERAL MOTORS COMPANY

Rear Bumper Fascia Energy Absorber Replacement

Callout	Component Name
Preliminary Procedure Remove the rear bumper fascia. Refer to **Rear Bumper Fascia Replacement**.	
1	Rear Bumper Fascia Energy Absorber Bolt (Qty 4) **CAUTION:** **Refer to Fastener Caution .** **Tighten** 9 (80 lb in)
2	Rear Bumper Fascia Energy Absorber

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REAR BUMPER IMPACT BAR REPLACEMENT

The rear bumper impact bar is welded on, and must be replaced at the factory welds to retain structure integrity. Refer to **Rear Bumper Impact Bar Replacement** .

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