

2017 ACCESSORIES AND EQUIPMENT

Instrument Panel and Console 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>	
Armrest Hinge Reinforcement Assembly Bolt	3 N.m (27 lb in)
Armrest Hinge Reinforcement Assembly Screw	2 N.m (18 lb in)
Diagnostic Link Connector Bolt	2.5 N.m (22 lb in)
Front Floor Console Armrest Hinge Bolt	4.5 N.m (40 lb in)
Front Floor Console Armrest Hinge Screw	2.5 N.m (22 lb in)
Front Floor Console Bolt	3 N.m (27 lb in)
Front Floor Console Cup Holder Bolt	3 N.m (27 lb in)
Front Floor Console Cup Holder Trim Plate Bolt	3 N.m (27 lb in)
Front Floor Console Cup Holder Trim Plate Screw	2.5 N.m (22 lb in)
Front Floor Console Nut	5 N.m (44 lb in)
Heater and Air Conditioning Evaporator and Blower Module Bolt	5 N.m (44 lb in)
Instrument Panel Airbag Bolt	10 N.m (89 lb in)
Instrument Panel Bolt	2.5 N.m (22 lb in)
Instrument Panel Compartment Center Upper Bracket Bolt	10 N.m (89 lb in)
Instrument Panel Knee Bolster Bolt	2.5 N.m (22 lb in)
Instrument Panel Lower Trim Panel Bolt	1.5 N.m (13 lb in)
Instrument Panel Tie Bar Brace Bolt	22 N.m (16 lb ft)
Instrument Panel Tie Bar Reinforcement Bolt	22 N.m (16 lb ft)
Instrument Panel Tie Bar Side Bolt	22 N.m (16 lb ft)
Instrument Panel Tie Bar Upper Bolt	22 N.m (16 lb ft)
Rear Console Side Panel Bolt	3 N.m (27 lb in)
Rear Floor Console Bolt	9 N.m (80 lb in)
Rear Floor Console Stowage Tray Bolt	3 N.m (27 lb in)

REPAIR INSTRUCTIONS

INSTRUMENT PANEL LOWER TRIM PANEL INSULATOR REPLACEMENT

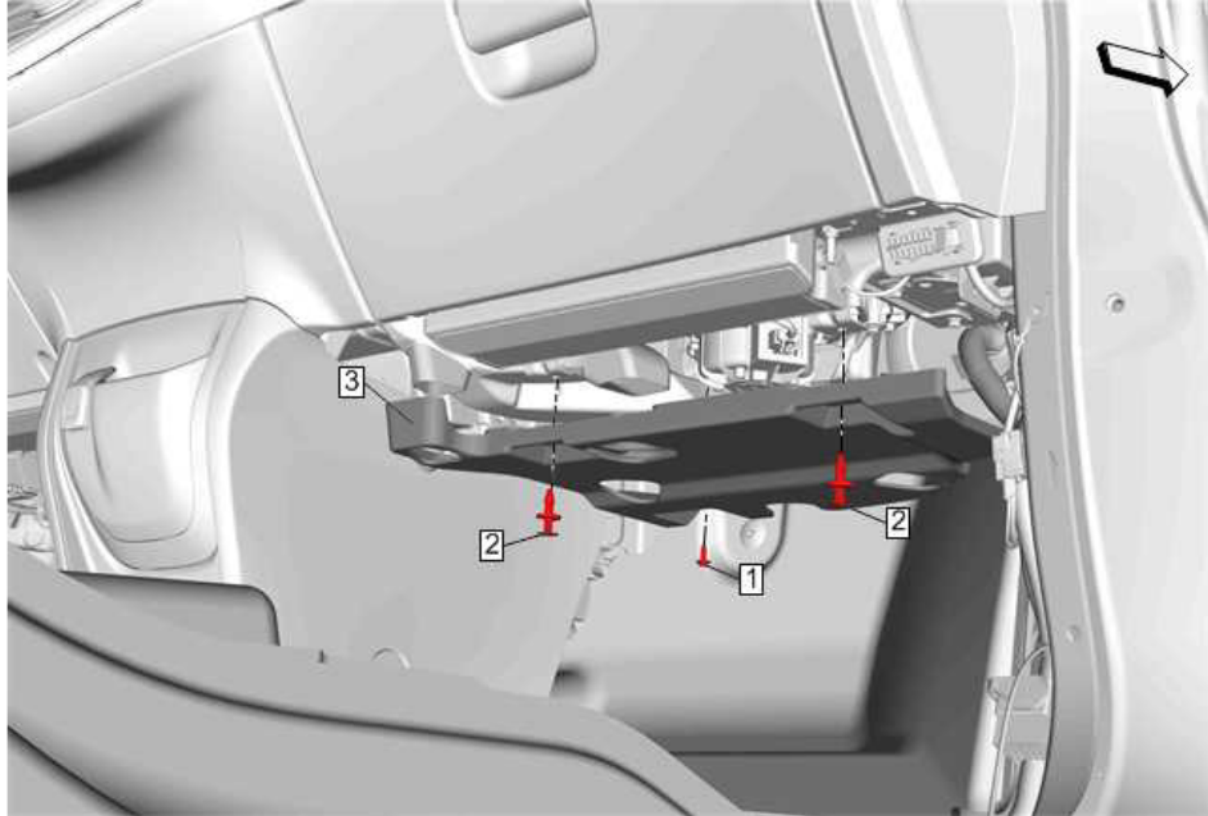


Fig. 1: Instrument Panel Lower Trim Panel Insulator
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
WARNING: Refer to SIR Warning . Preliminary Procedure Disable the SIR system. SIR Disabling and Enabling	
1	Instrument Panel Lower Trim Panel Bolt CAUTION: Refer to Fastener Caution . Tighten 1.5 N.m (13 lb in)
2	Instrument Panel Lower Insulator Retainer (Qty: 2) Procedure Use a flat bladed plastic tool to remove the push-in retainers.
3	Instrument Panel Lower Trim Panel Insulator Procedure Enable the SIR system. SIR Disabling and Enabling

INSTRUMENT PANEL KNEE BOLSTER REPLACEMENT

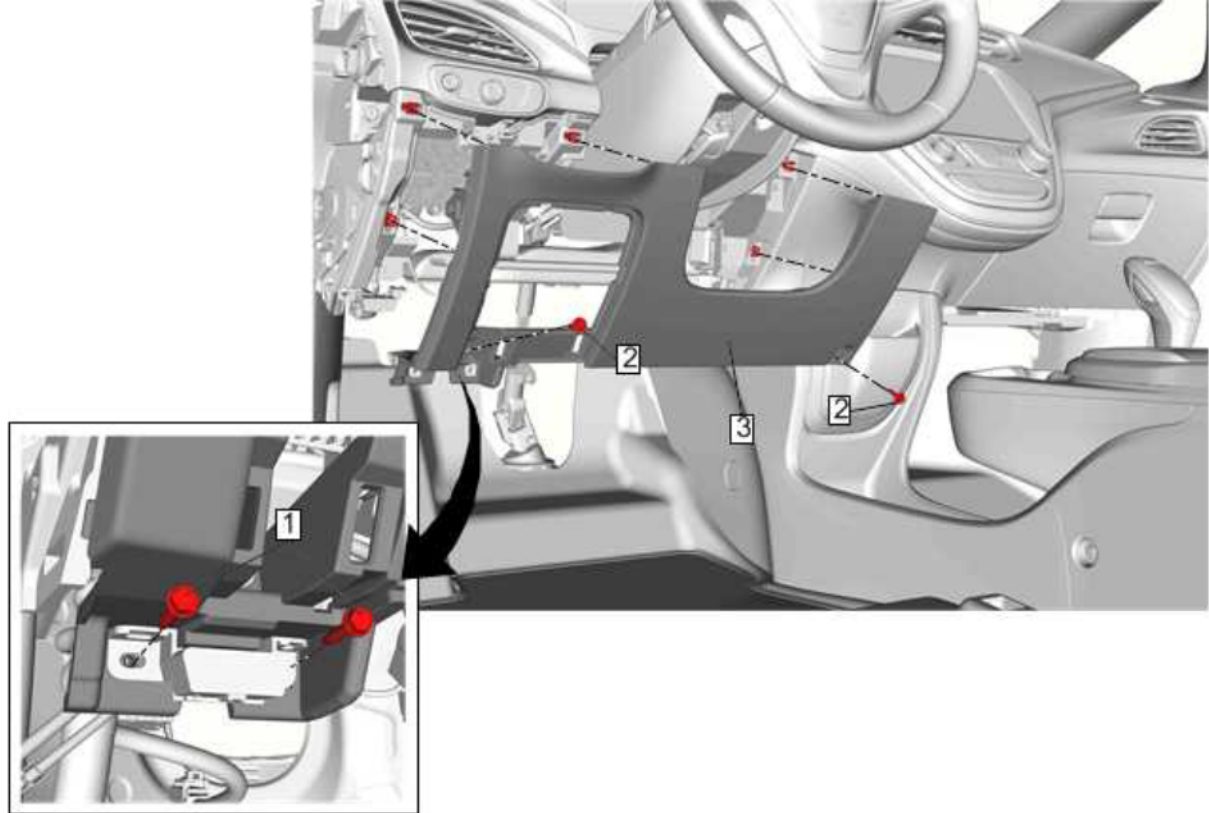


Fig. 2: Instrument Panel Knee Bolster
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Instrument Panel Outer Trim Cover Replacement</u> <u>Instrument Panel Fuse Block Access Hole Cover Replacement</u>	
1	Diagnostic Link Connector Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 2.5 N.m (22 lb in)
2	Instrument Panel Knee Bolster Bolt (Qty: 2) Tighten 2.5 N.m (22 lb in)
3	Instrument Panel Knee Bolster Procedure Use a flat bladed plastic trim tool.

INSTRUMENT PANEL TRIM PLATE REPLACEMENT

Removal Procedure

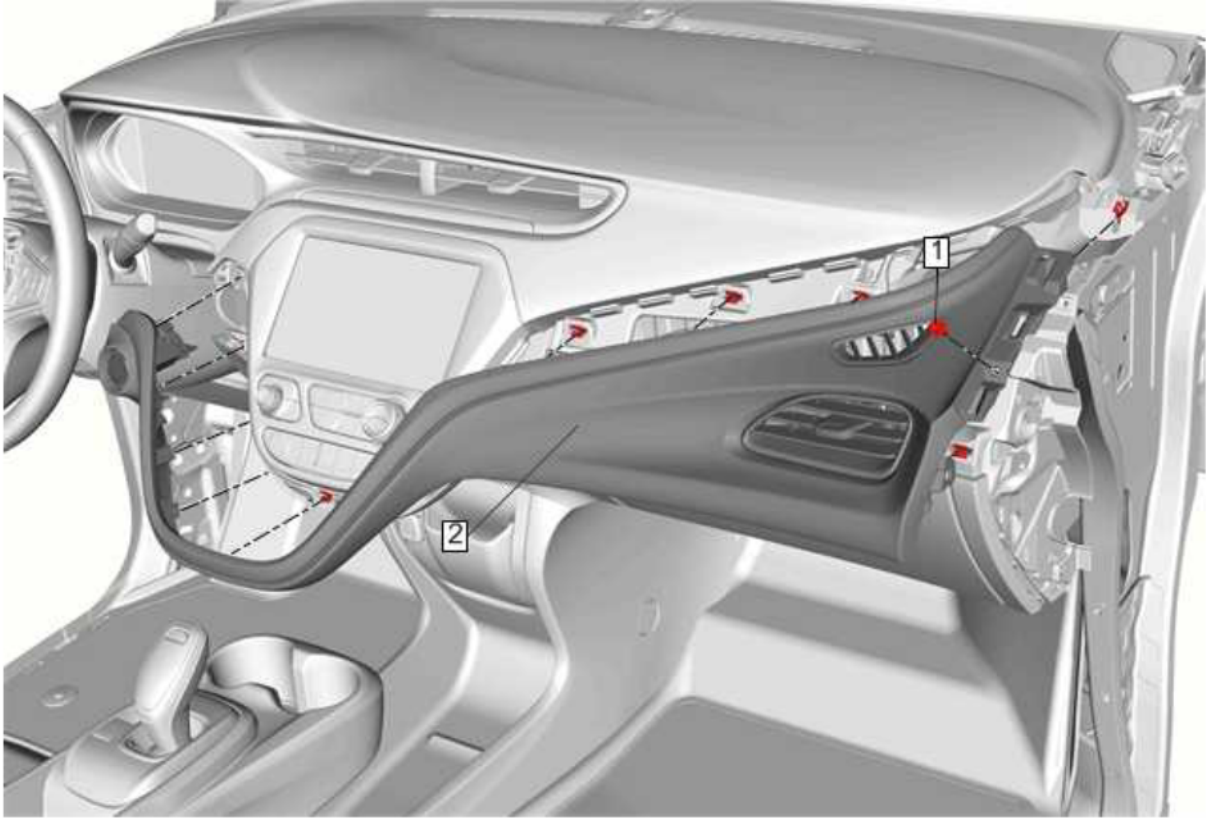


Fig. 3: Instrument Panel Trim Pad - Right Side

Courtesy of GENERAL MOTORS COMPANY

1. Instrument Panel Trim Pad - Right Side - Remove - **Instrument Panel Trim Pad Replacement - Right Side**

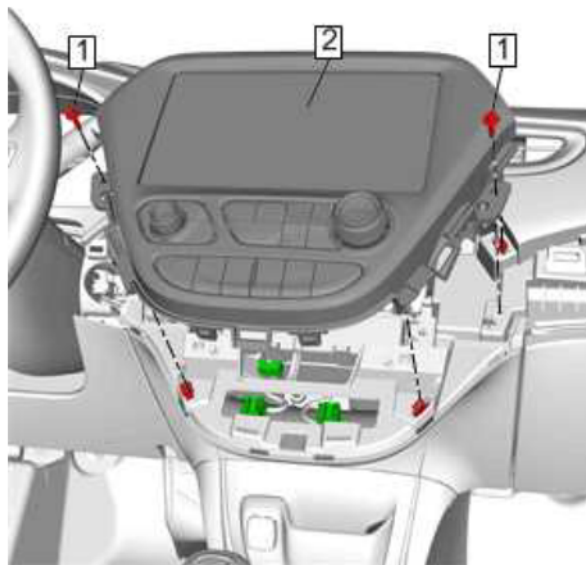


Fig. 4: Instrument Panel Bolt

Courtesy of GENERAL MOTORS COMPANY

2. Instrument Panel Bolt (1) - Remove
3. Instrument Panel Trim Plate Assembly (2) at Instrument Panel - Remove
4. Disconnect the electrical connectors.

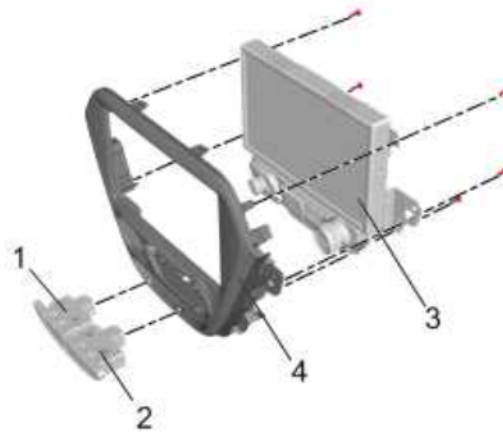


Fig. 5: Hazard Warning Switch at Instrument Panel Trim Plate
 Courtesy of GENERAL MOTORS COMPANY

5. Hazard Warning Switch (1) at Instrument Panel Trim Plate - Remove - [**Hazard Warning Switch Replacement**](#)
6. Instrument Panel Center Accessory Function Switch (2) at Instrument Panel Trim Plate - Remove - [**Instrument Panel Center Accessory Function Switch Replacement**](#)
7. Driver Information Display (3) at Instrument Panel Trim Plate - Remove - [**Driver Information Display Replacement**](#)

Installation Procedure

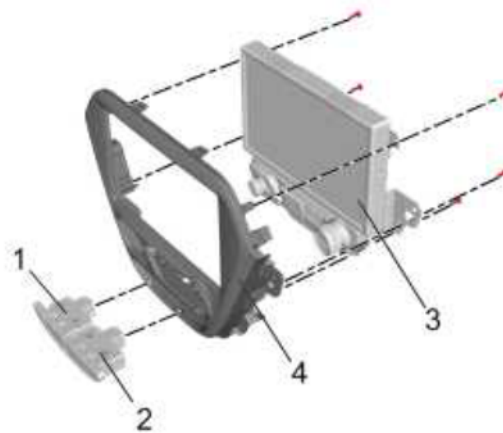


Fig. 6: Hazard Warning Switch at Instrument Panel Trim Plate
 Courtesy of GENERAL MOTORS COMPANY

1. Driver Information Display (3) at Instrument Panel Trim Plate - Install - [**Driver Information Display Replacement**](#)
2. Instrument Panel Center Accessory Function Switch (2) at Instrument Panel Trim Plate - Install - [**Instrument Panel Center Accessory Function Switch Replacement**](#)
3. Hazard Warning Switch (1) at Instrument Panel Trim Plate - Install - [**Hazard Warning Switch Replacement**](#)

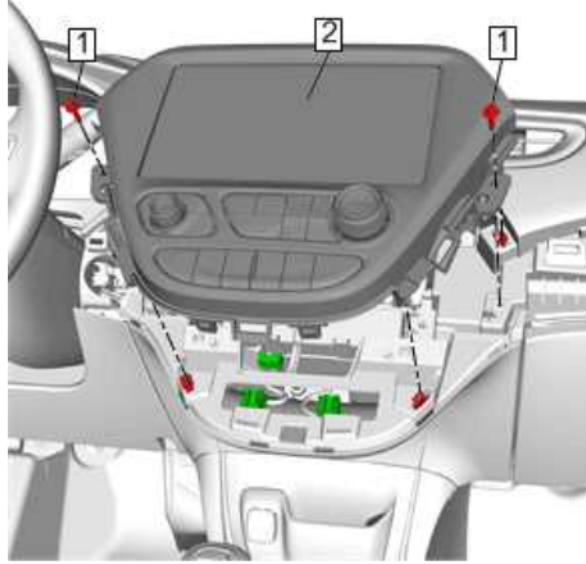


Fig. 7: Instrument Panel Trim Plate With Driver Information Display
 Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to [Fastener Caution](#)

4. Connect the electrical connectors.
5. Instrument Panel Trim Plate Assembly (2) at Instrument Panel - Install
6. Instrument Panel Bolt (Qty: 2) - Install and tighten to 2.5 N.m (22 lb in)

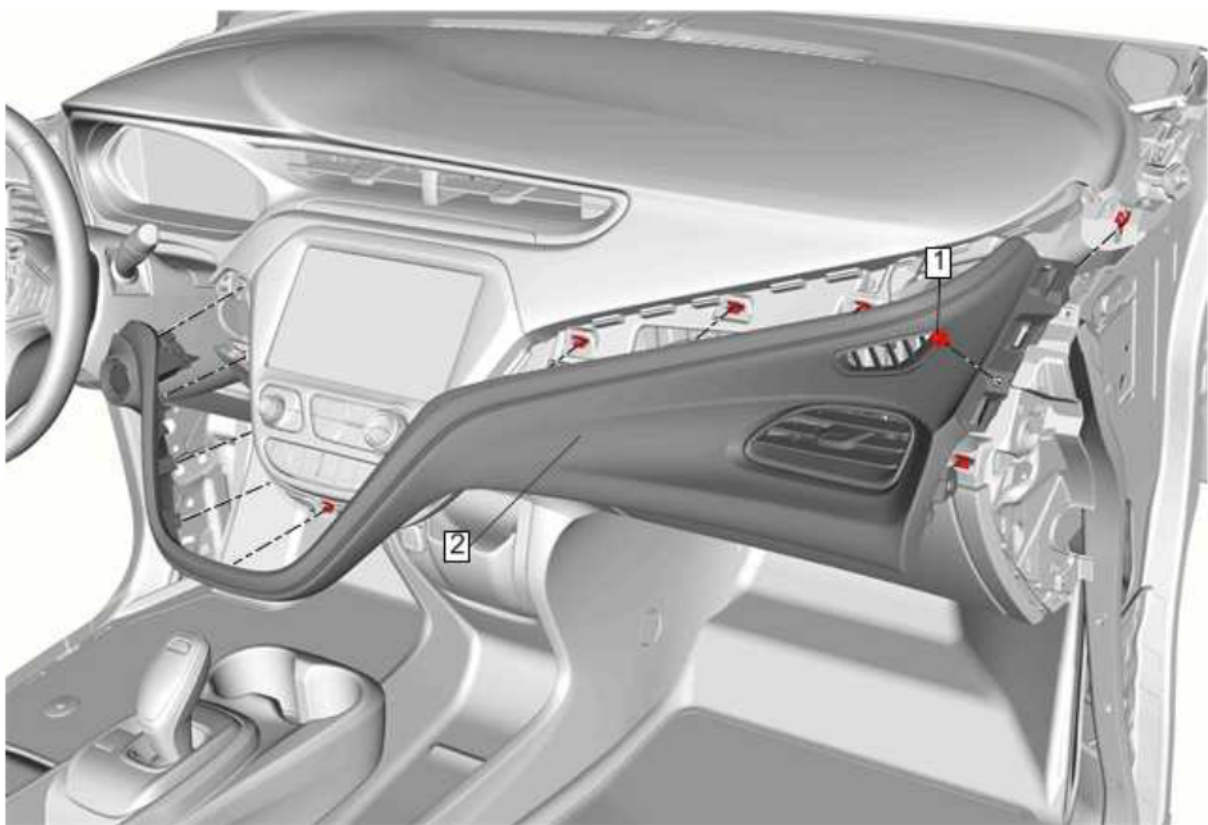


Fig. 8: Instrument Panel Trim Pad - Right Side
 Courtesy of GENERAL MOTORS COMPANY

7. Instrument Panel Trim Pad - Right Side - Install - [Instrument Panel Trim Pad Replacement - Right Side](#)

FORWARD COLLISION ALERT DISPLAY BEZEL REPLACEMENT



Fig. 9: Forward Collision Alert Display Bezel
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Forward Collision Alert Display Bezel Procedure 1. Use a flat bladed plastic trim tool. 2. Release the plastic retaining tabs. 3. Disconnect the electrical connector. 4. Remove the forward collision alert display. <u>Forward Collision Alert Display Replacement</u>

INSTRUMENT PANEL FUSE BLOCK ACCESS HOLE COVER REPLACEMENT

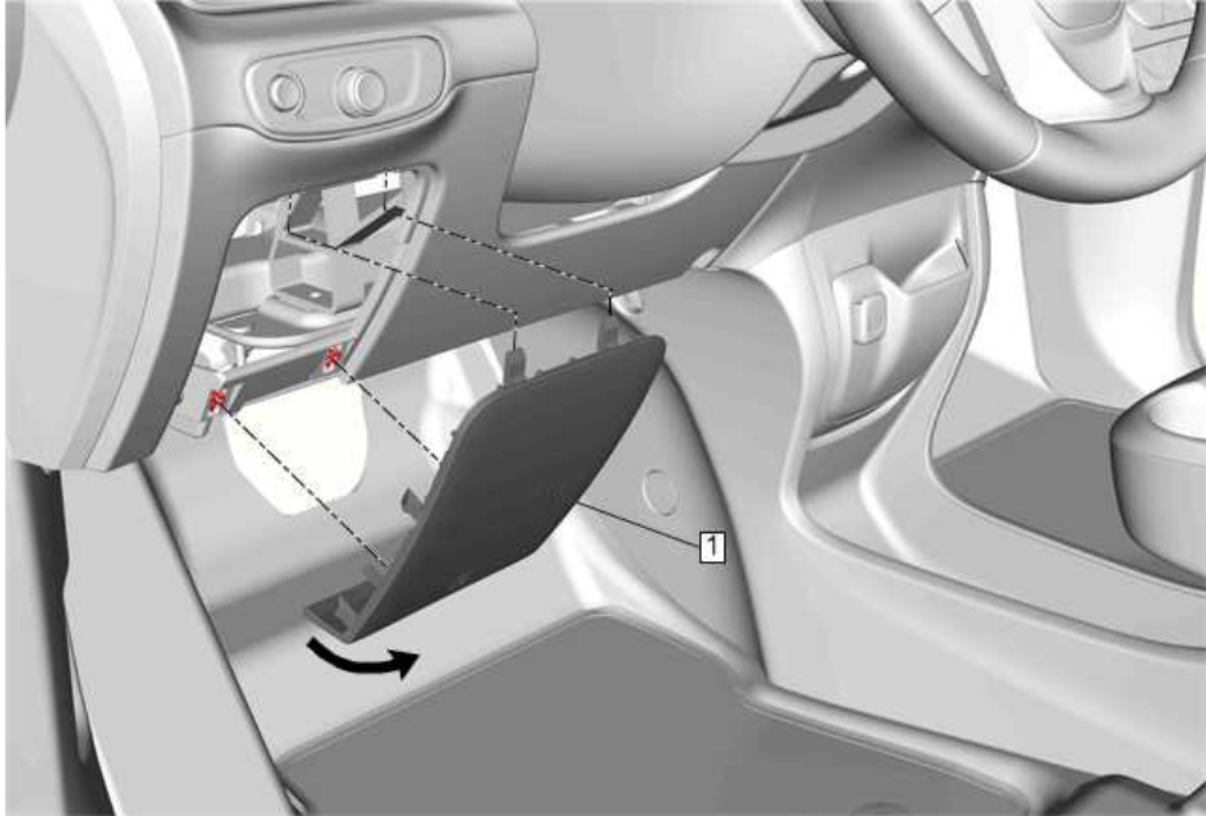


Fig. 10: Instrument Panel Fuse Block Access Hole Cover

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Instrument Panel Fuse Block Access Hole Cover Procedure Grasp the lower edge of the fuse block cover and pull outward disengaging the retainers securing the fuse block cover to the instrument panel knee bolster.

INSTRUMENT PANEL OUTER TRIM COVER REPLACEMENT



Fig. 11: Instrument Panel Outer Trim Cover

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Instrument Panel Outer Trim Cover - Left Procedure Use a flat bladed plastic trim tool.
2	Instrument Panel Outer Trim Cover - Right Procedure Use a flat bladed plastic trim tool.

INSTRUMENT PANEL LOWER TRIM PANEL REPLACEMENT

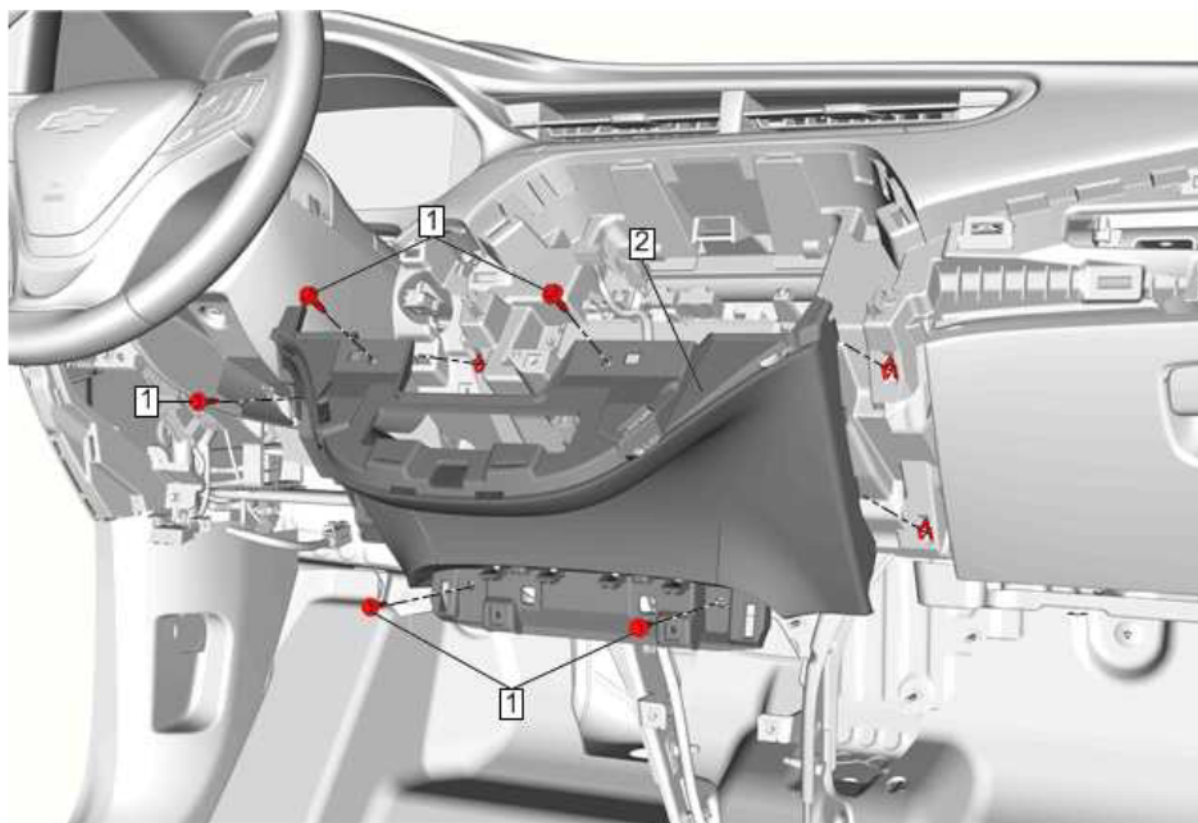


Fig. 12: Instrument Panel Lower Trim Panel
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. Front Floor Console Replacement 2. Instrument Panel Trim Pad Replacement - Right Side 3. Instrument Panel Trim Plate Replacement 4. Instrument Panel Knee Bolster Replacement	
1	Instrument Panel Bolt (Qty: 5) CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Instrument Panel Lower Trim Panel Procedure 1. Use a flat bladed plastic trim tool. 2. Release the plastic retaining tabs.

INSTRUMENT PANEL COMPARTMENT REPLACEMENT

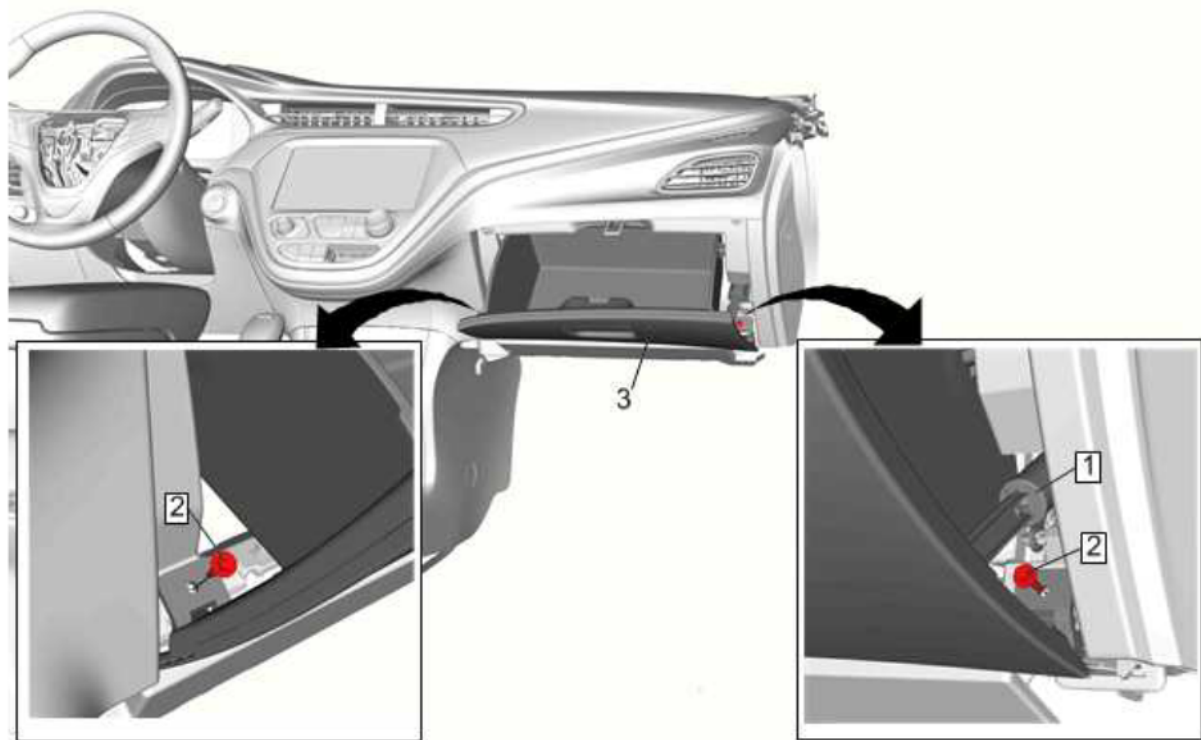


Fig. 13: Instrument Panel Compartment
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Instrument Panel Compartment Door Dampener Procedure 1. Open the IP compartment door. 2. Release the door dampener from the IP compartment. 3. Squeeze the sides of the instrument panel compartment allowing the compartment to open past the stops.
2	Instrument Panel Compartment Bolt (Qty: 2) CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
3	Instrument Panel Compartment

INSTRUMENT PANEL TRIM PAD REPLACEMENT - LEFT SIDE

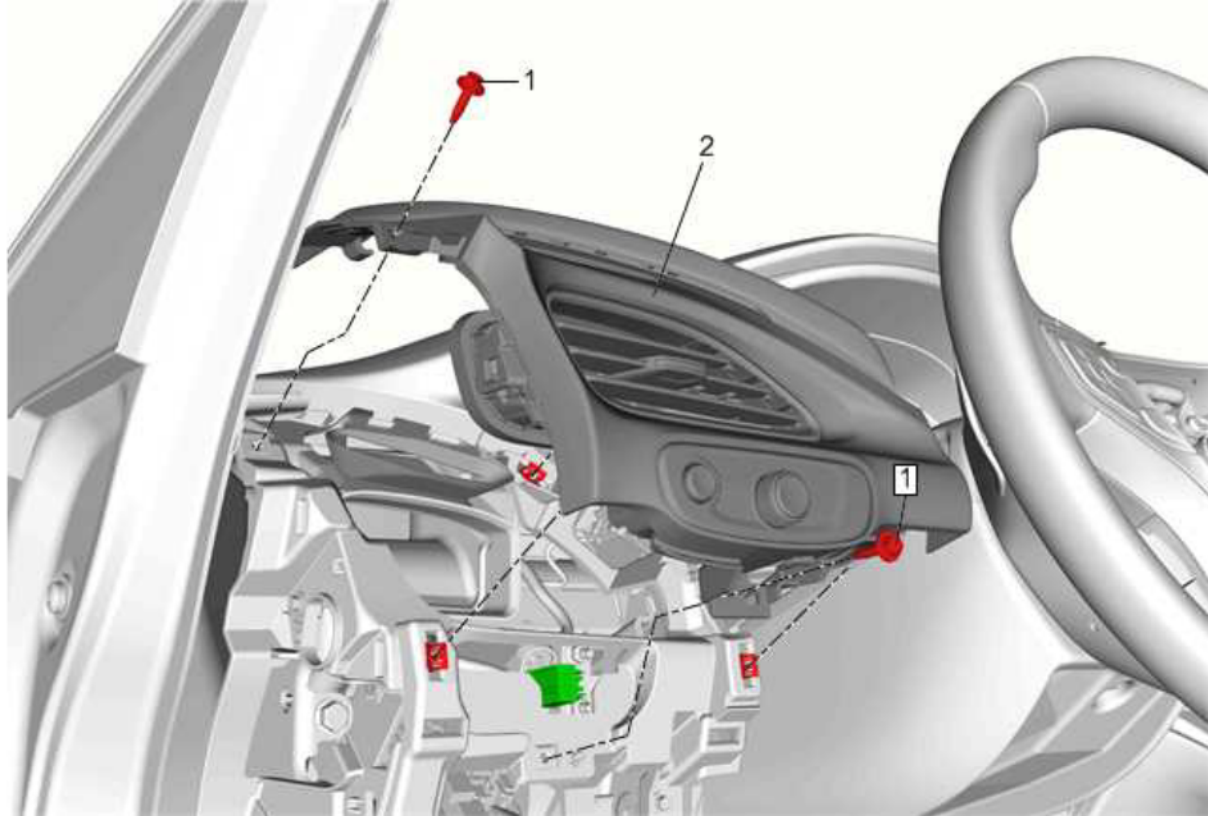


Fig. 14: Instrument Panel Trim Pad - Left Side
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Instrument Panel Outer Trim Cover Replacement</u> <u>Windshield Garnish Molding Replacement</u> <u>Instrument Panel Knee Bolster Replacement</u>	
1	Instrument Panel Bolt (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 2.5 N.m (22 lb in)
2	Instrument Panel Trim Pad - Left Side Procedure - Use a flat bladed plastic trim tool. - Release the plastic retaining tabs. - Disconnect the electrical connectors. - Remove the headlamp switch. <u>Headlamp Switch Replacement</u> - Remove the instrument panel outer air outlet - left side. <u>Instrument Panel Outer Air Outlet Replacement - Left Side</u> - Remove the side window defogger outlet grille. <u>Side Window Defogger Outlet Grille Replacement - Left Side</u>

INSTRUMENT PANEL TRIM PAD REPLACEMENT - RIGHT SIDE

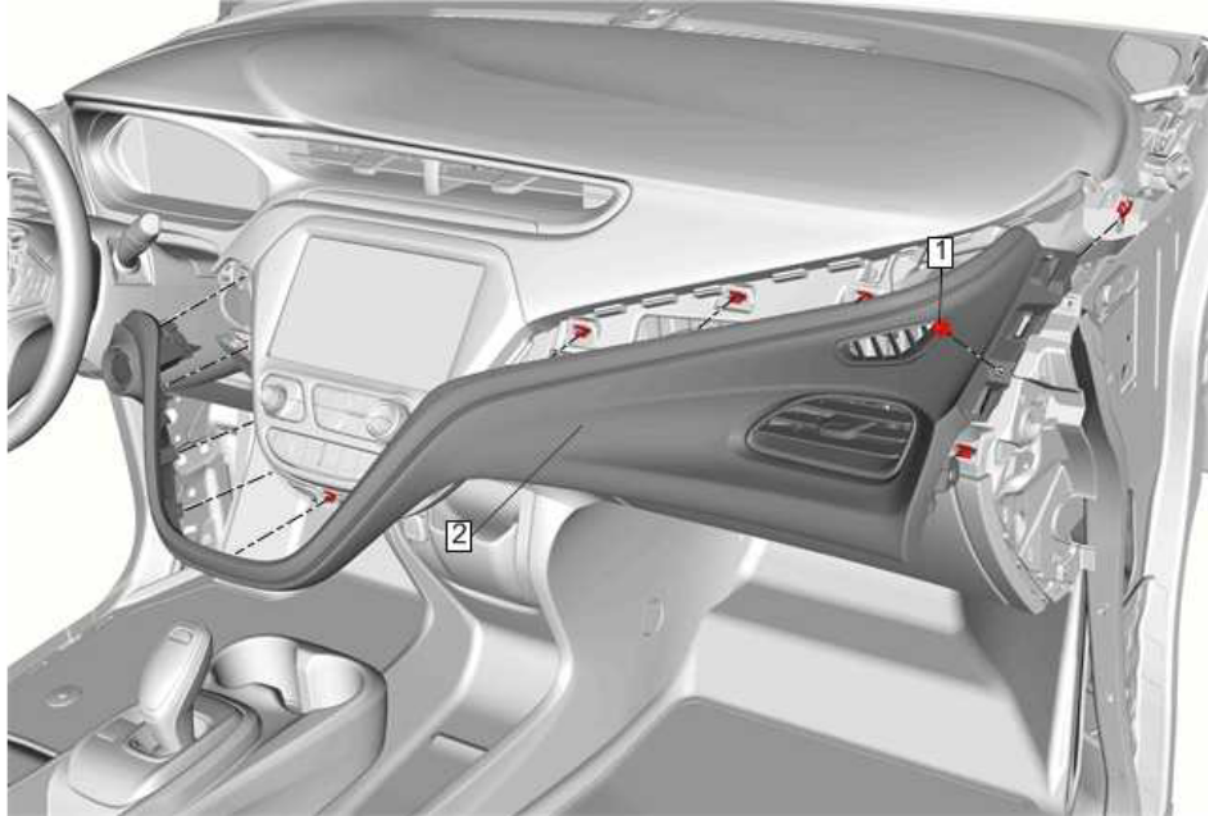


Fig. 15: Instrument Panel Trim Pad - Right Side

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures 1. On/Off Vehicle Switch Replacement 2. Instrument Panel Outer Trim Cover Replacement 3. Windshield Garnish Molding Replacement	
1	Instrument Panel Bolt CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Instrument Panel Trim Pad - Right Side Procedure - Using a flat bladed plastic trim tool, release the plastic retaining tabs. - Disconnect the electrical connector. - Remove the instrument panel outer air outlet. Instrument Panel Outer Air Outlet Replacement - Right Side - Remove the side window defogger outlet grille. Side Window Defogger Outlet Grille Replacement - Right Side

INSTRUMENT PANEL ASSEMBLY REPLACEMENT

Removal Procedure

- Disable the SIR system. [SIR Disabling and Enabling](#)

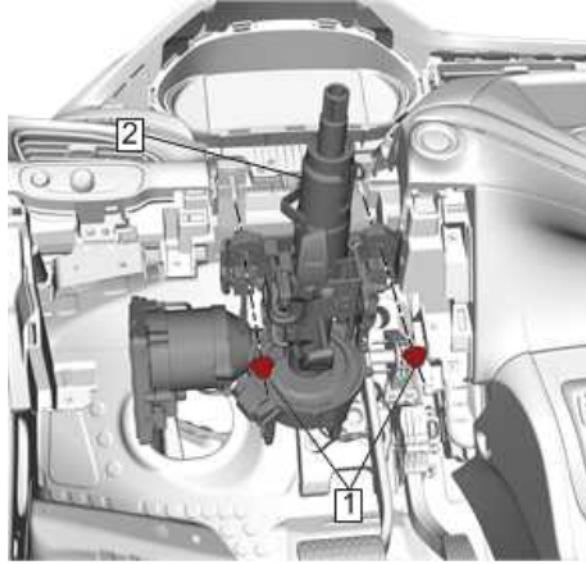


Fig. 16: Steering Column

Courtesy of GENERAL MOTORS COMPANY

2. Steering Column - Remove - **Steering Column Replacement**

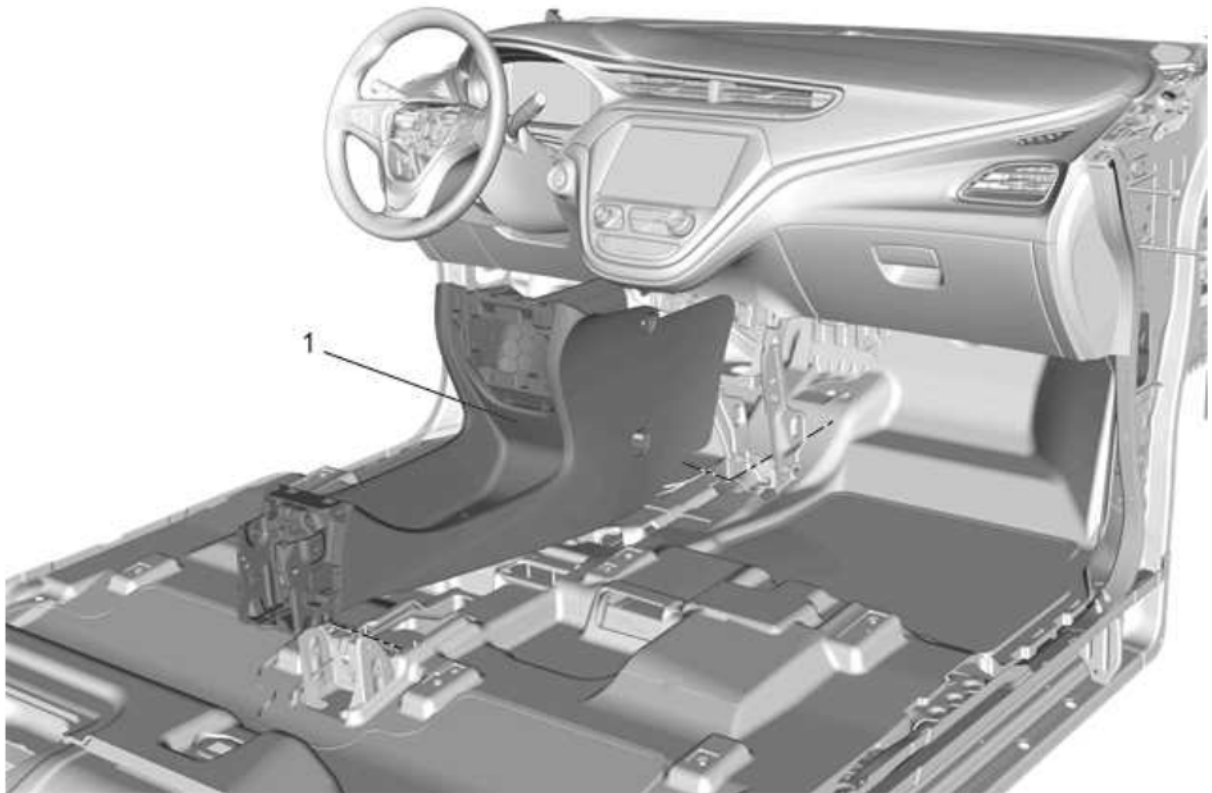


Fig. 17: Front Floor Console

Courtesy of GENERAL MOTORS COMPANY

3. Front Floor Console - Remove - **Front Floor Console Replacement**

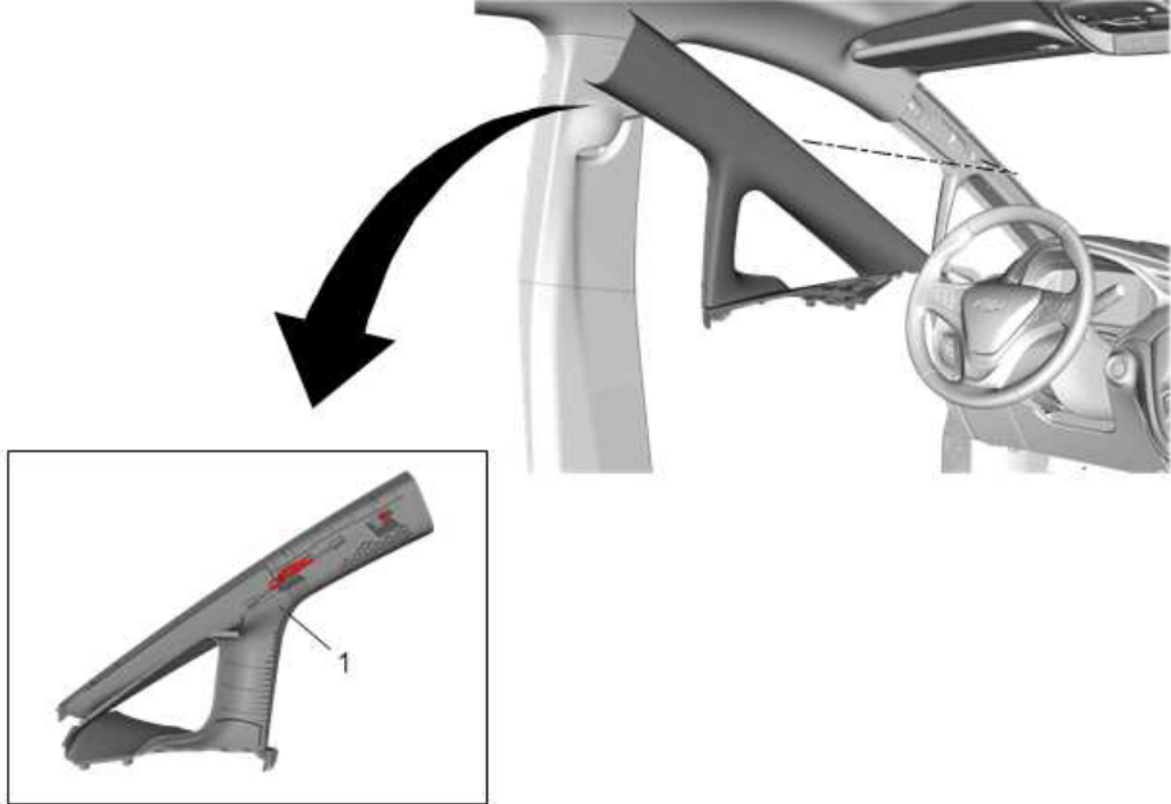


Fig. 18: Windshield Garnish Molding
Courtesy of GENERAL MOTORS COMPANY

4. Windshield Garnish Molding - Remove - [Windshield Garnish Molding Replacement](#)



Fig. 19: Instrument Panel Outer Trim Cover - Right
Courtesy of GENERAL MOTORS COMPANY

5. Instrument Panel Outer Trim Cover - Right - Remove - [Instrument Panel Outer Trim Cover Replacement](#)

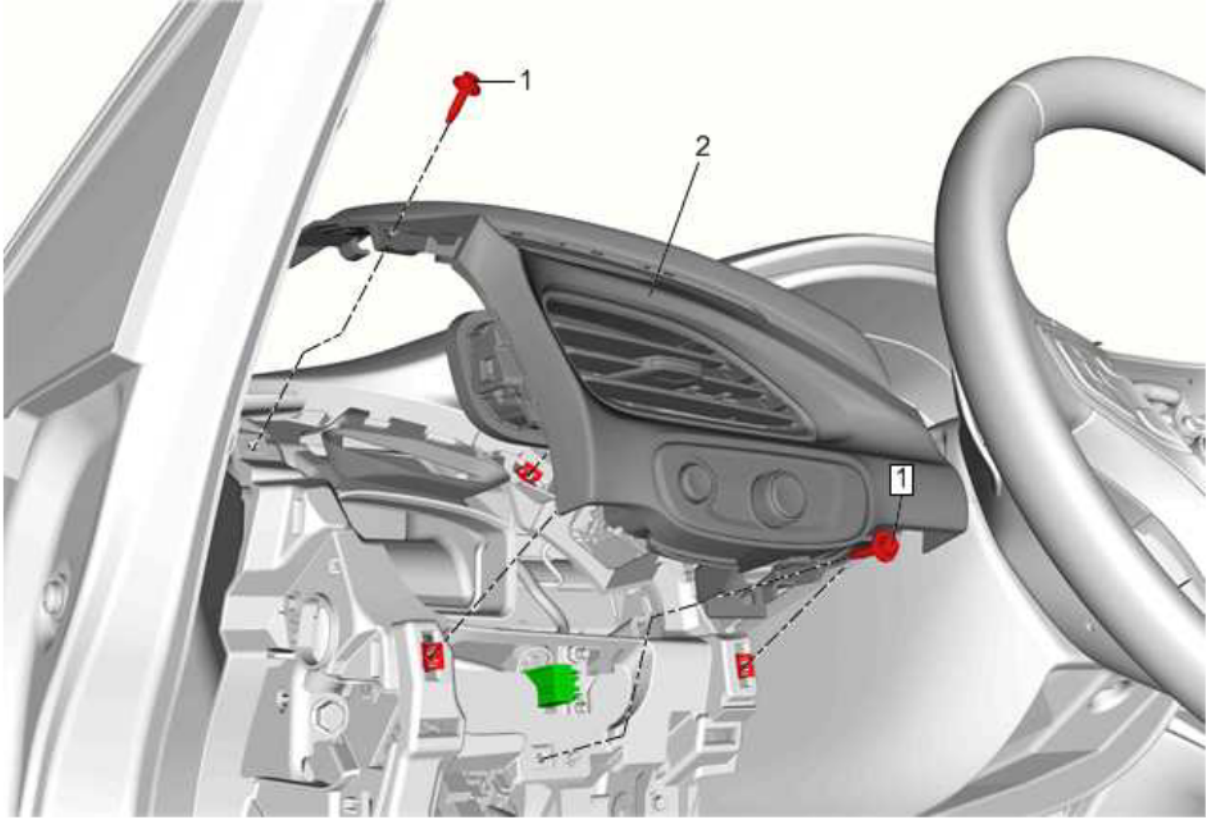


Fig. 20: Instrument Panel Trim Pad - Left Side
 Courtesy of GENERAL MOTORS COMPANY

6. Instrument Panel Trim Pad - Left Side - Remove - **Instrument Panel Trim Pad Replacement - Left Side**

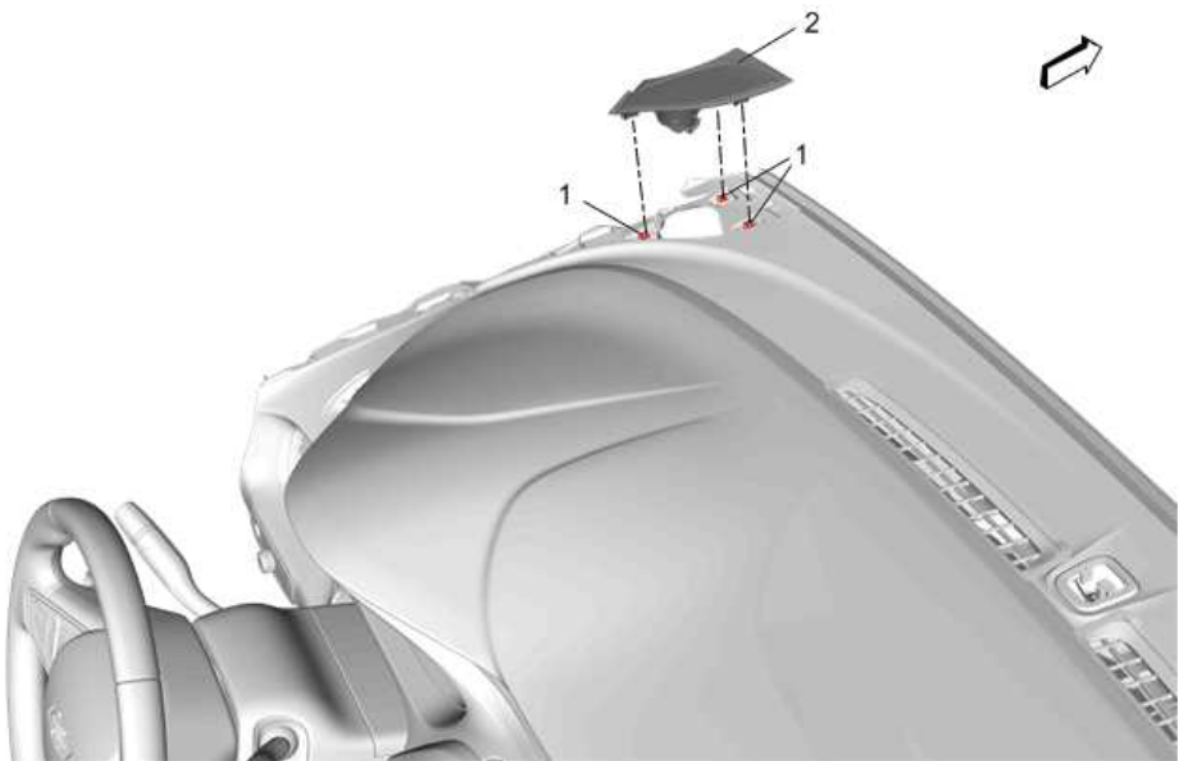


Fig. 21: Radio Front Speaker Grille
 Courtesy of GENERAL MOTORS COMPANY

7. Radio Front Speaker Grille - Remove - **Radio Front Speaker Grille Replacement**

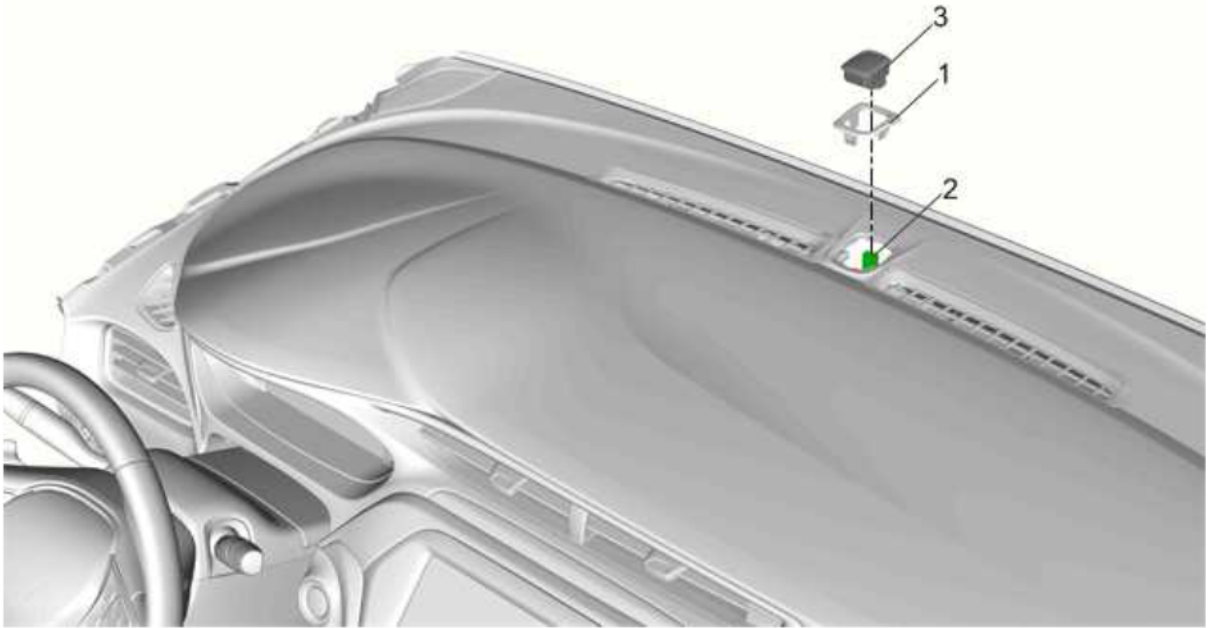


Fig. 22: Sun Load, Ambient Light, and Charge Indicator Sensor
 Courtesy of GENERAL MOTORS COMPANY

8. Sun Load, Ambient Light, and Charge Indicator Sensor - Remove - **Sun Load, Ambient Light, and Charge Indicator Sensor Replacement**

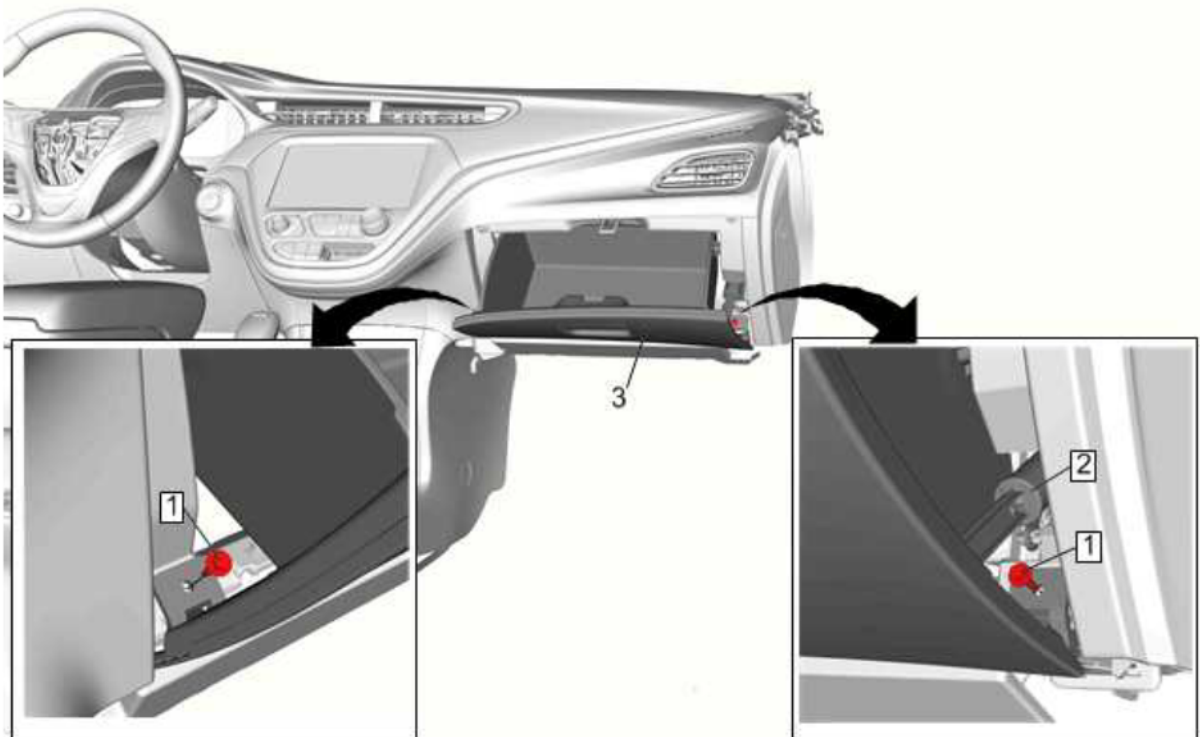


Fig. 23: Instrument Panel Compartment
 Courtesy of GENERAL MOTORS COMPANY

9. Instrument Panel Compartment - Remove - **Instrument Panel Compartment Replacement**

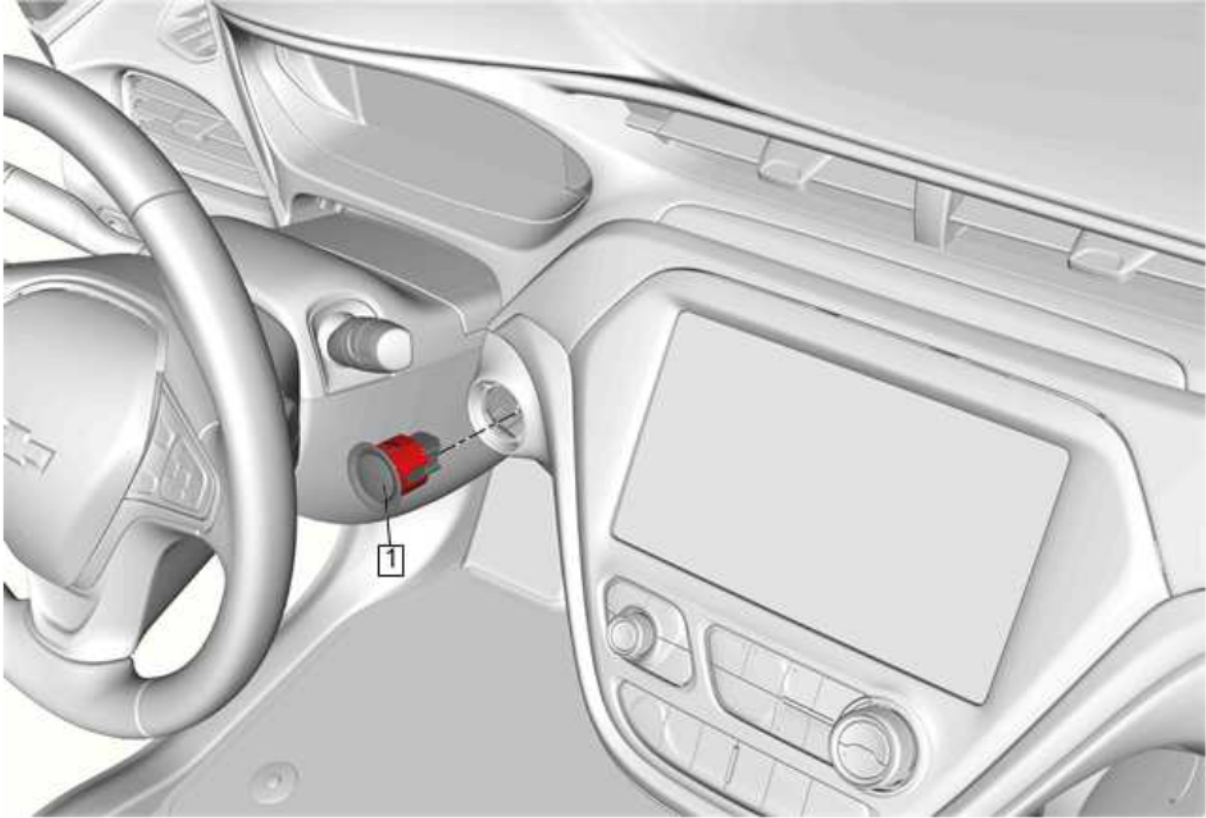


Fig. 24: On/Off Vehicle Switch

Courtesy of GENERAL MOTORS COMPANY

10. On/Off Vehicle Switch - Remove - **On/Off Vehicle Switch Replacement**

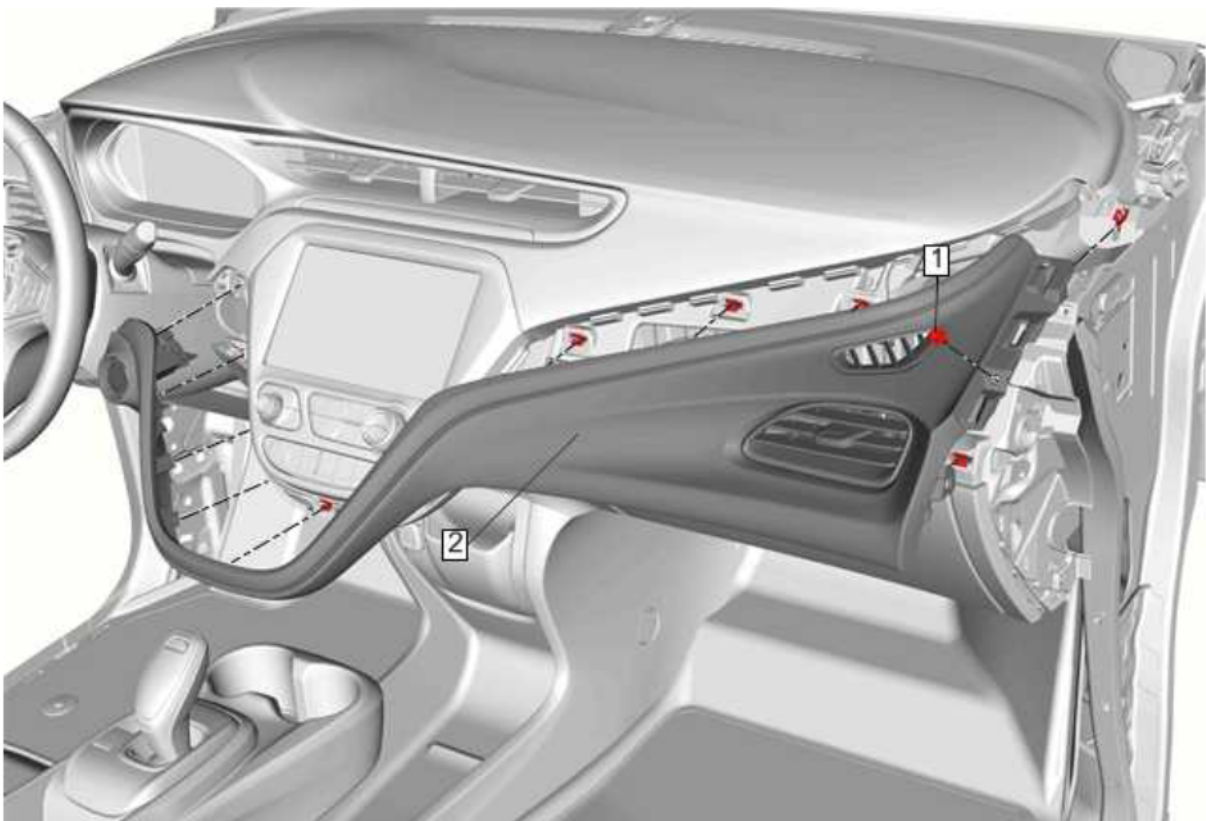


Fig. 25: Instrument Panel Trim Pad - Right Side

Courtesy of GENERAL MOTORS COMPANY

11. Instrument Panel Trim Pad - Right Side - Remove - **Instrument Panel Trim Pad Replacement - Right Side**

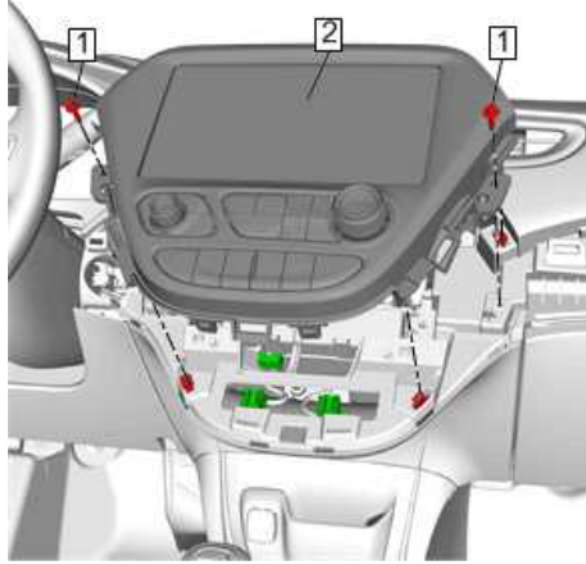


Fig. 26: Instrument Panel Trim Plate With Driver Information Display
 Courtesy of GENERAL MOTORS COMPANY

12. Remove the instrument panel trim plate (2) with Driver Information Display, Hazard Warning Switch and Instrument Panel Center Accessory Function Switch. **Instrument Panel Trim Plate Replacement**

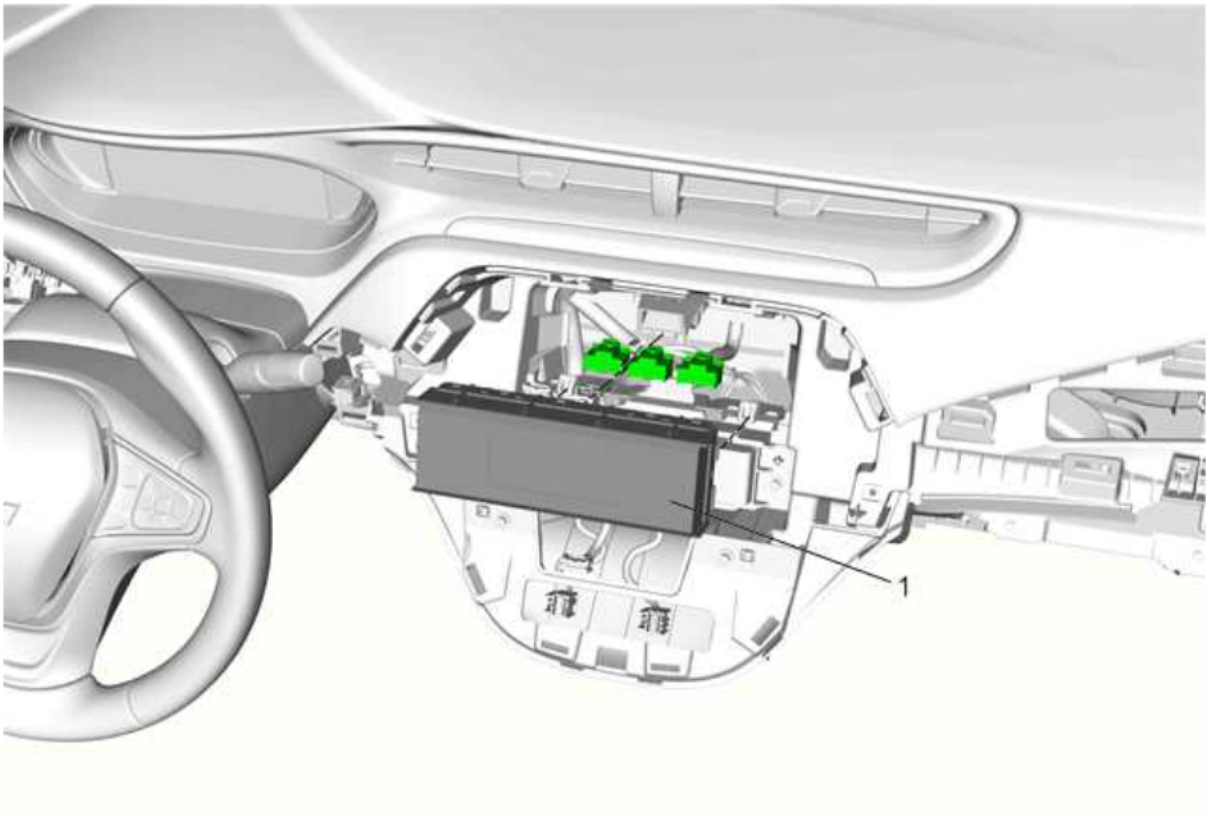


Fig. 27: Heater and Air Conditioning Remote Control
 Courtesy of GENERAL MOTORS COMPANY

13. Heater and Air Conditioning Remote Control - Remove - **Heater and Air Conditioning Remote Control Replacement**

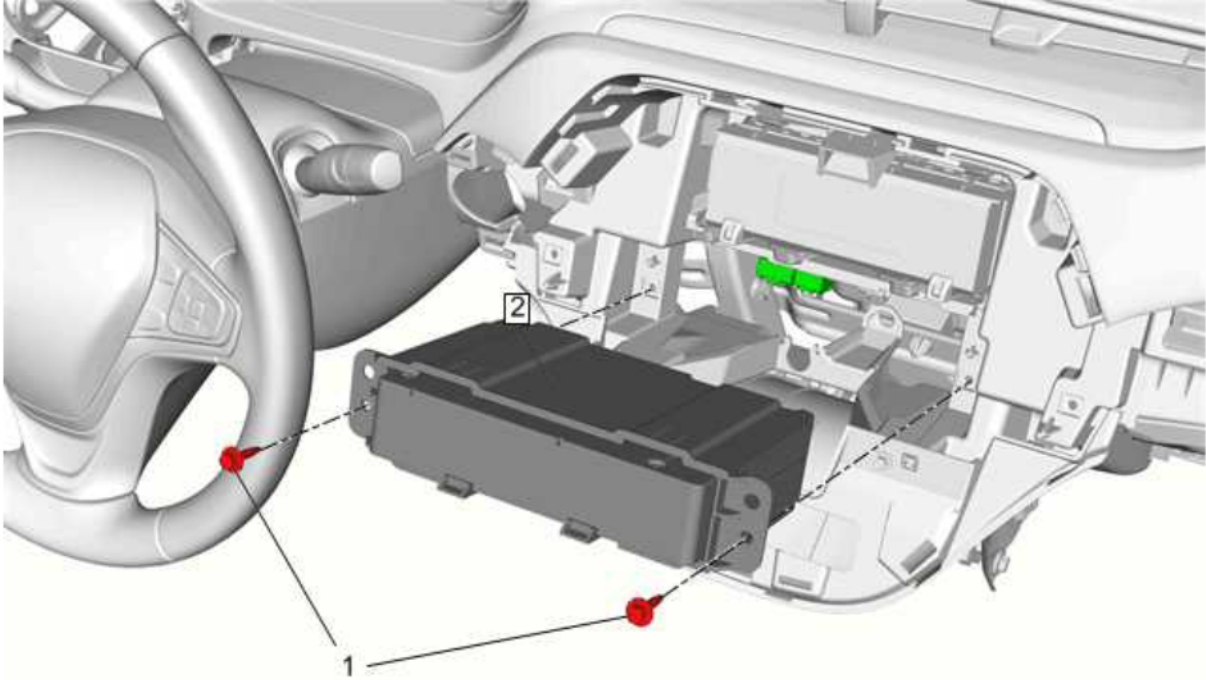


Fig. 28: Communication Interface Module Bracket

Courtesy of GENERAL MOTORS COMPANY

14. Communication Interface Module Bracket - Remove - **Communication Interface Module Bracket Replacement**

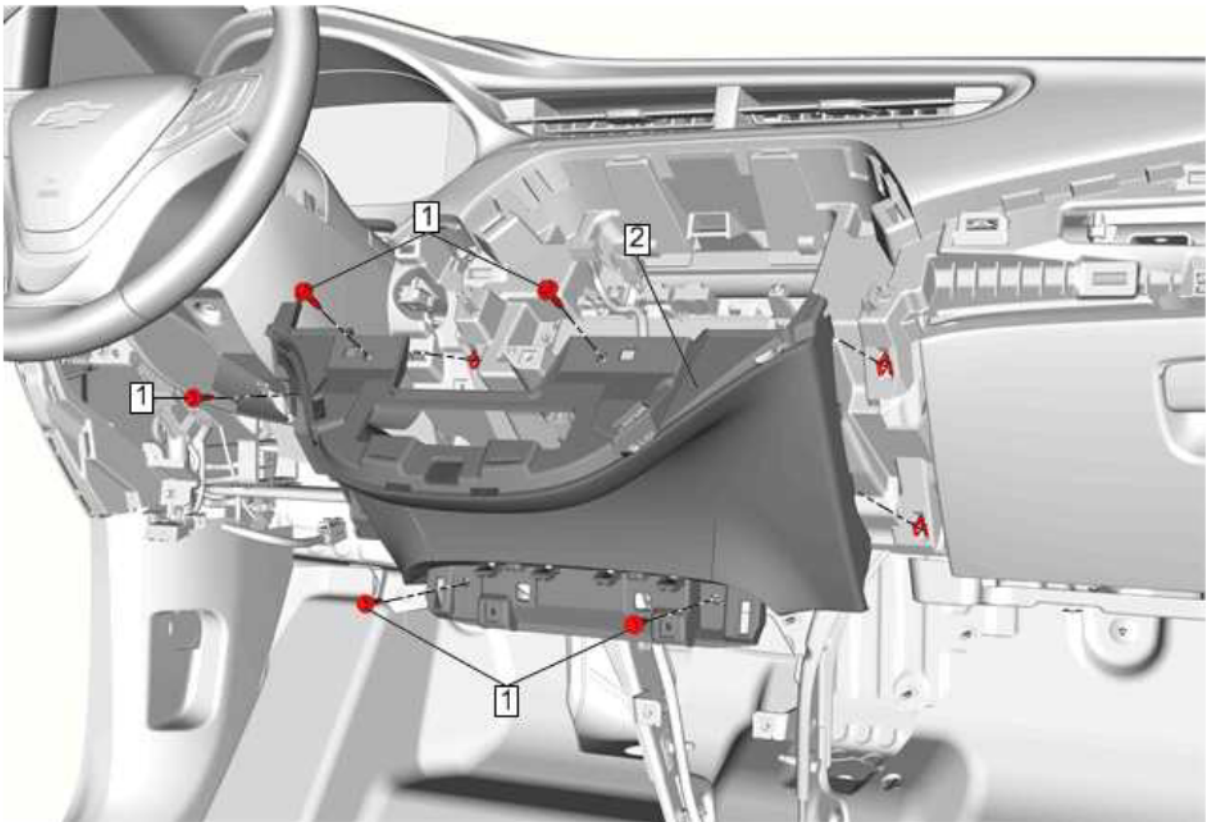


Fig. 29: Instrument Panel Lower Trim Panel

Courtesy of GENERAL MOTORS COMPANY

15. Instrument Panel Lower Trim Panel - Remove - **Instrument Panel Lower Trim Panel Replacement**



Fig. 30: Instrument Panel Steering Column Upper Trim Cover
 Courtesy of GENERAL MOTORS COMPANY

16. Instrument Panel Steering Column Upper Trim Cover - Remove - [Steering Column Upper Trim Cover Replacement](#)

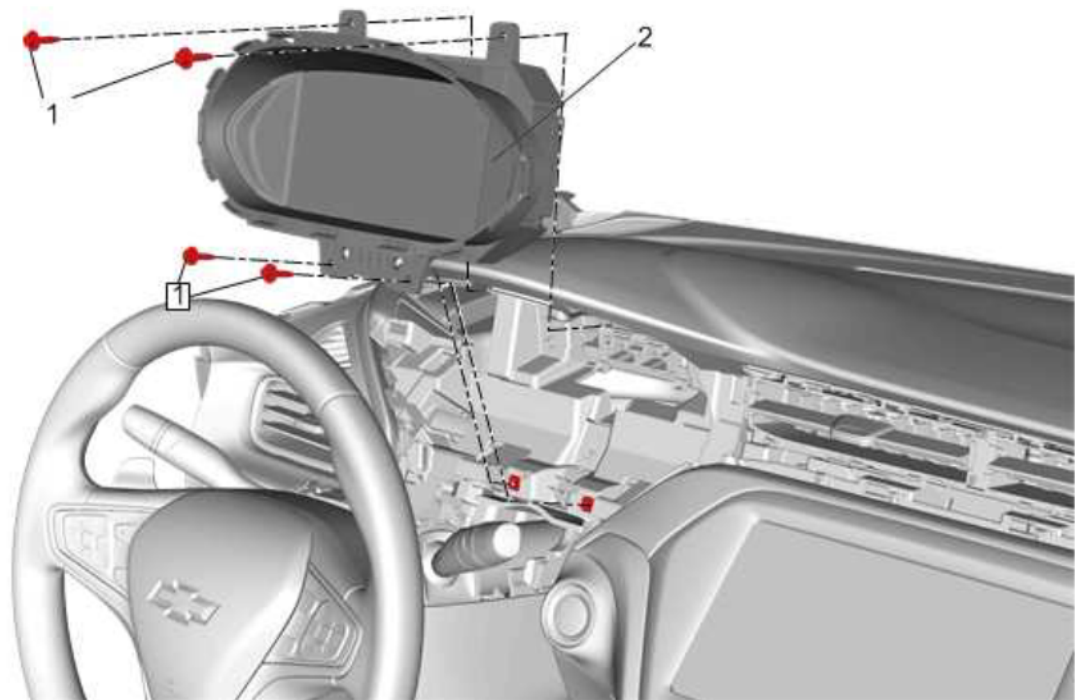


Fig. 31: Instrument Cluster
 Courtesy of GENERAL MOTORS COMPANY

17. Instrument Cluster - Remove - [Instrument Cluster Replacement](#)

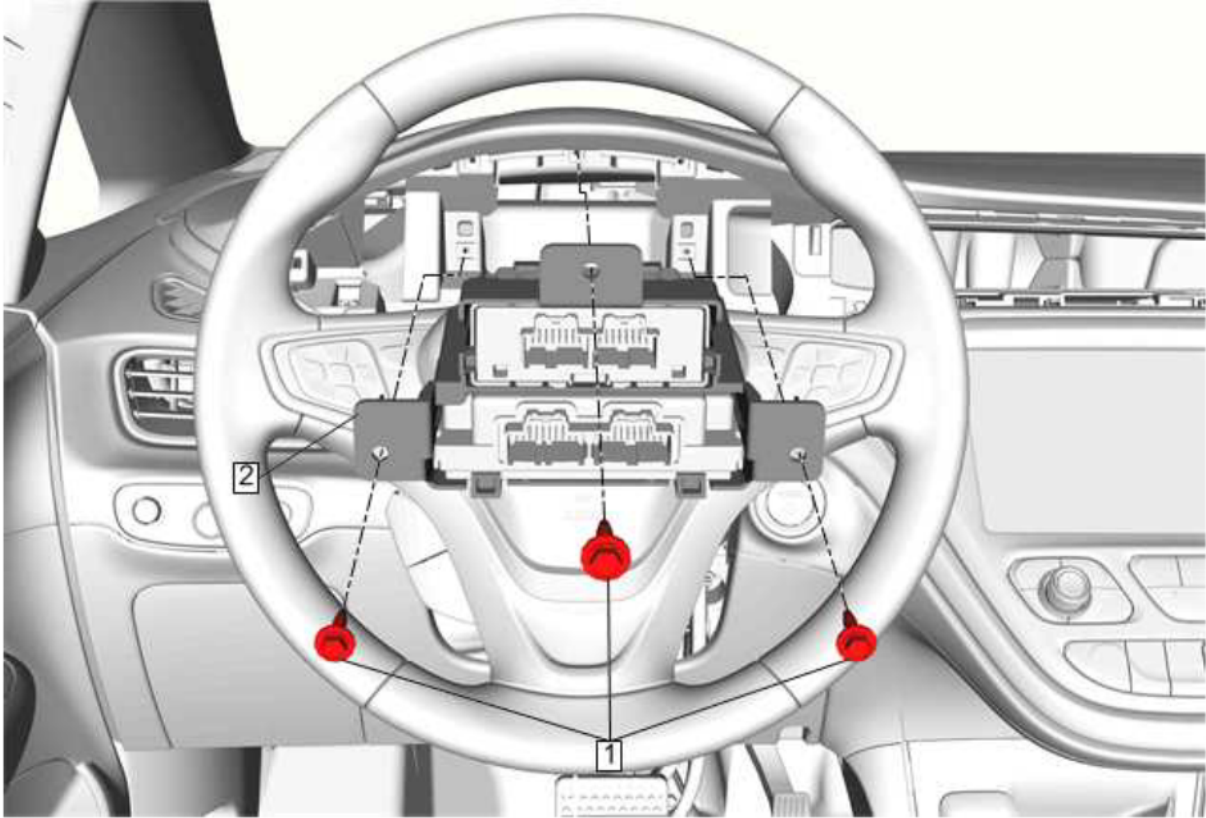


Fig. 32: Keyless Entry Control Module Bracket
 Courtesy of GENERAL MOTORS COMPANY

18. Keyless Entry Control Module Bracket - Remove - **Keyless Entry Control Module Bracket Replacement**

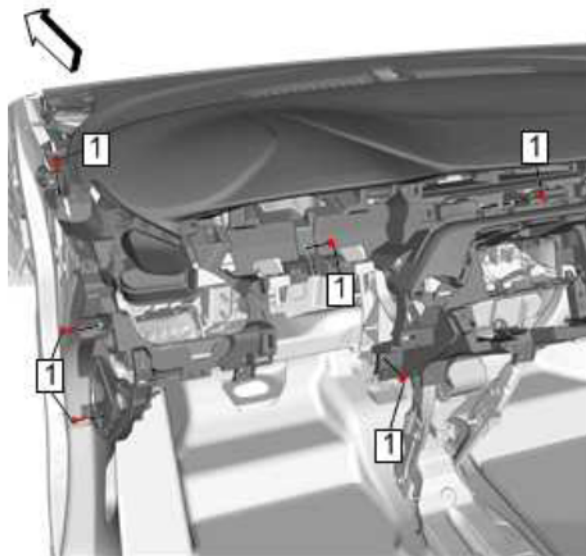


Fig. 33: Instrument Panel Bolt
 Courtesy of GENERAL MOTORS COMPANY

19. Instrument Panel Bolt - Remove

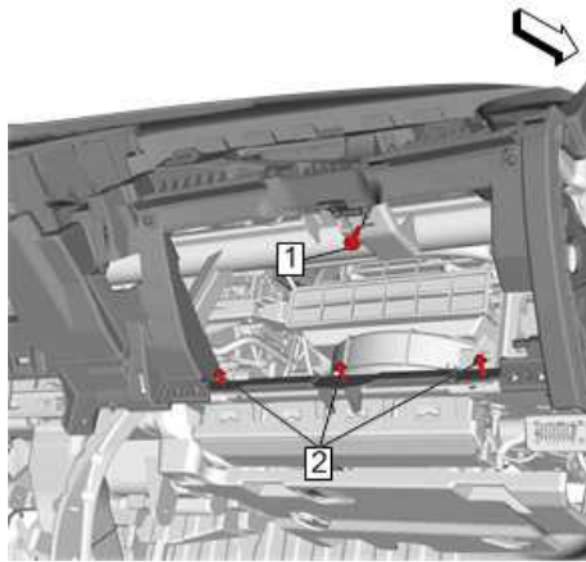


Fig. 34: Instrument Panel Compartment Center Upper Bracket Bolt
 Courtesy of GENERAL MOTORS COMPANY

- 20. Instrument Panel Compartment Center Upper Bracket Bolt - Remove
- 21. Instrument Panel Bolt - Remove

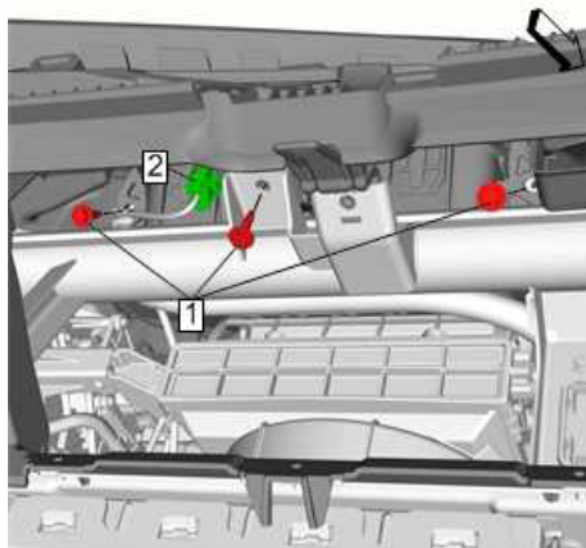
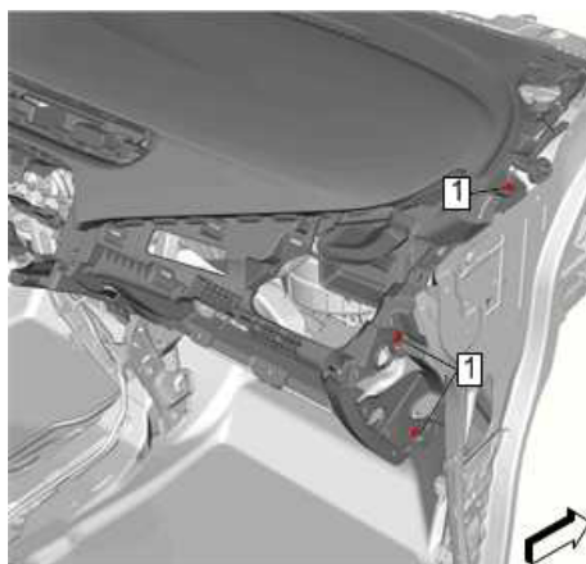


Fig. 35: Instrument Panel Airbag Bolt
 Courtesy of GENERAL MOTORS COMPANY

- 22. Instrument Panel Airbag Bolt - Remove
- 23. Disconnect the instrument panel airbag electrical connector.



24. Instrument Panel Bolt - Remove

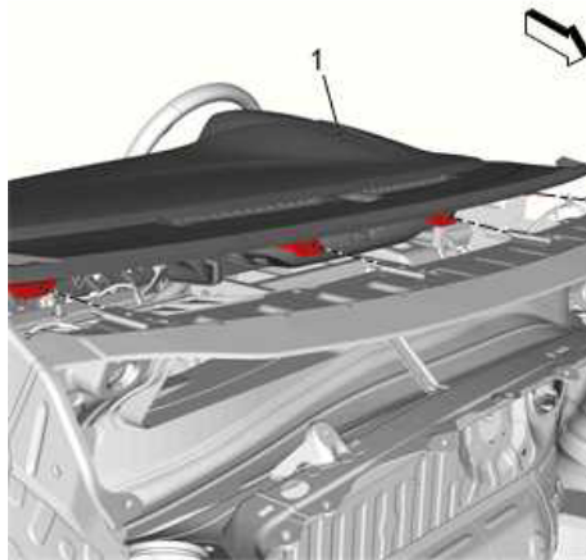


Fig. 37: Instrument Panel Assembly
Courtesy of GENERAL MOTORS COMPANY

25. Slide the instrument panel assembly (1) rearward.

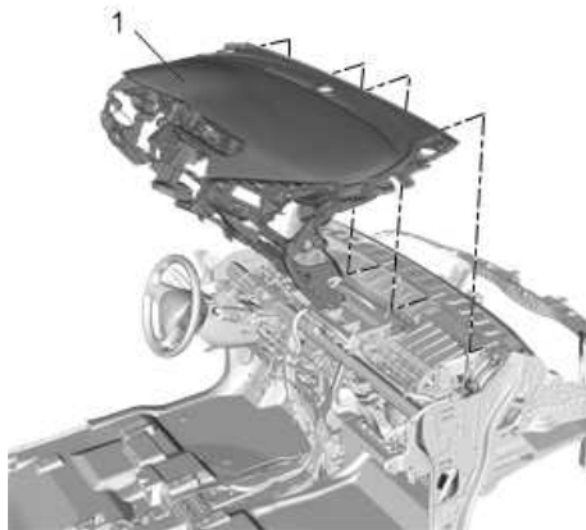


Fig. 38: Instrument Panel Assembly
Courtesy of GENERAL MOTORS COMPANY

- 26. Note the location and routing of the instrument panel wiring harness prior to removal to ensure proper installation.
- 27. Disconnect the wiring harness from the instrument panel carrier.
- 28. With the aid of an assistant, remove the instrument panel carrier assembly (1) from the vehicle.
- 29. Transfer components as necessary.

Installation Procedure

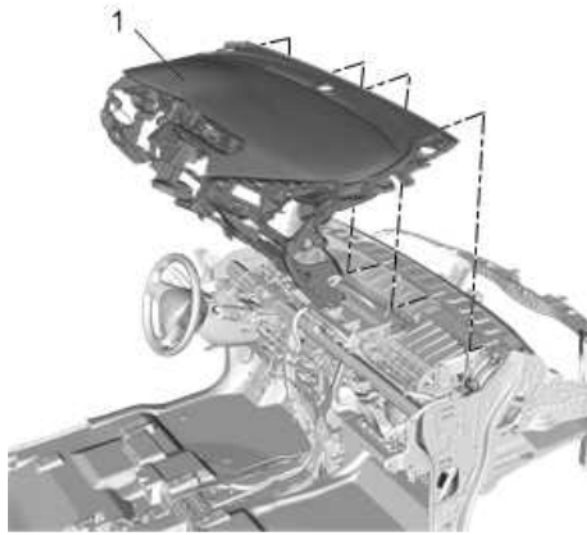


Fig. 39: Instrument Panel Assembly

Courtesy of GENERAL MOTORS COMPANY

1. With the aid of an assistant, position the instrument carrier (1) in the vehicle.
2. Reposition the instrument panel wiring harness into the vehicle position as was noted in the removal and connect the fasteners securing the instrument panel wiring harness to the instrument carrier.

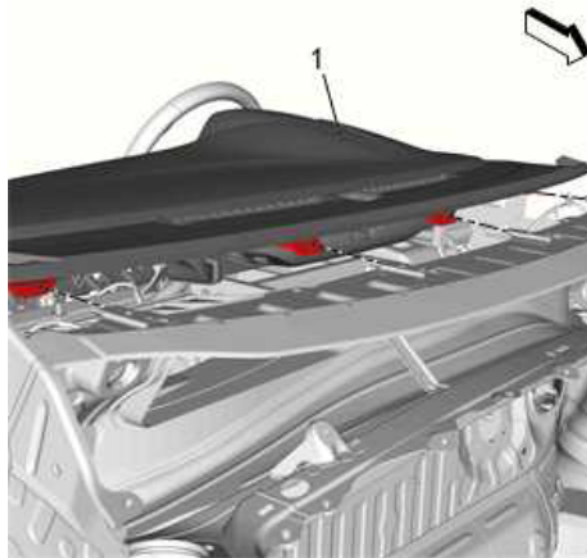
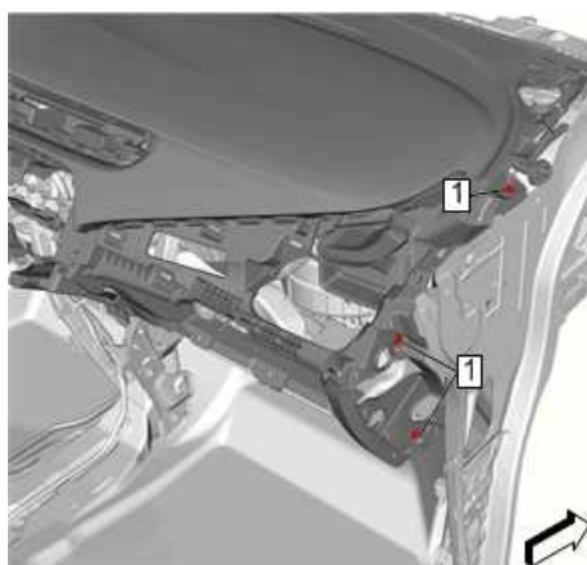


Fig. 40: Instrument Panel Assembly

Courtesy of GENERAL MOTORS COMPANY

3. Slide the instrument panel assembly (1) forward.



CAUTION: Refer to **Fastener Caution**

4. Instrument Panel Bolt - Install and tighten to 2.5 N.m (22 lb in)

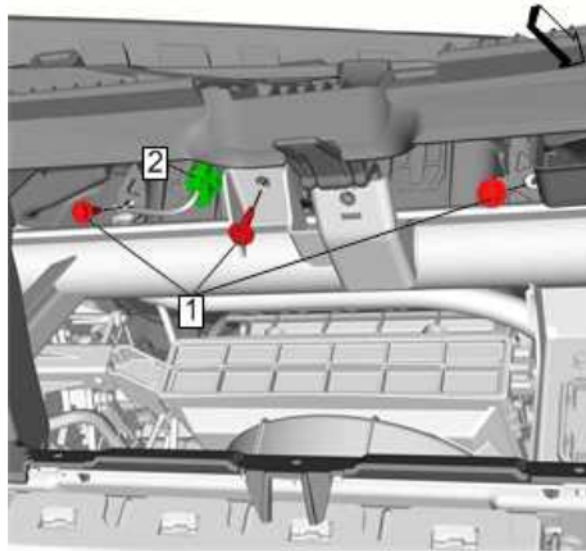


Fig. 42: Instrument Panel Airbag Bolt
Courtesy of GENERAL MOTORS COMPANY

5. Instrument Panel Airbag Bolt - Install and tighten to 10 N.m (89 lb in)
6. Connect the instrument panel airbag electrical connector (2).

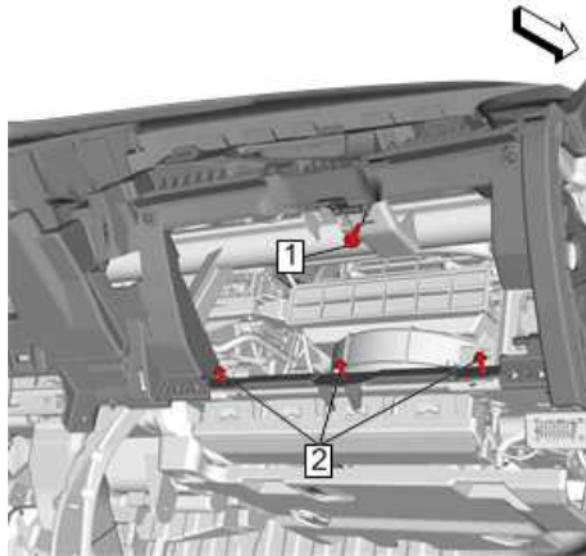


Fig. 43: Instrument Panel Compartment Center Upper Bracket Bolt
Courtesy of GENERAL MOTORS COMPANY

7. Instrument Panel Bolt (2) - Install and tighten to 2.5 N.m (22 lb in)
8. Instrument Panel Compartment Center Upper Bracket Bolt (1) - Install and tighten to 10 N.m (89 lb in)

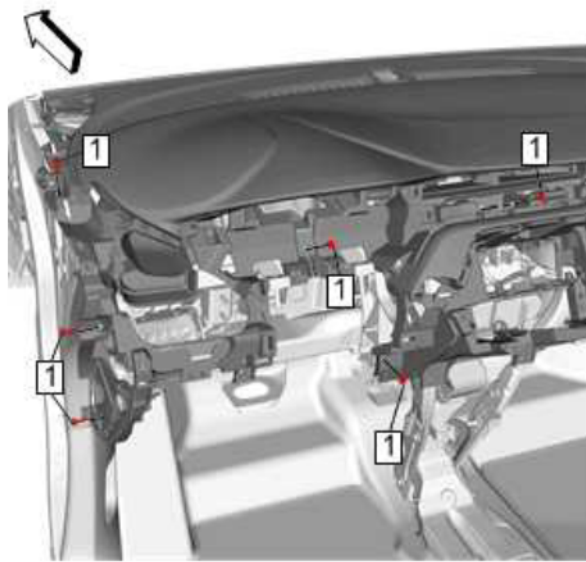


Fig. 44: Instrument Panel Bolt

Courtesy of GENERAL MOTORS COMPANY

9. Instrument Panel Bolt - Install and tighten to 2.5 N.m (22 lb in)

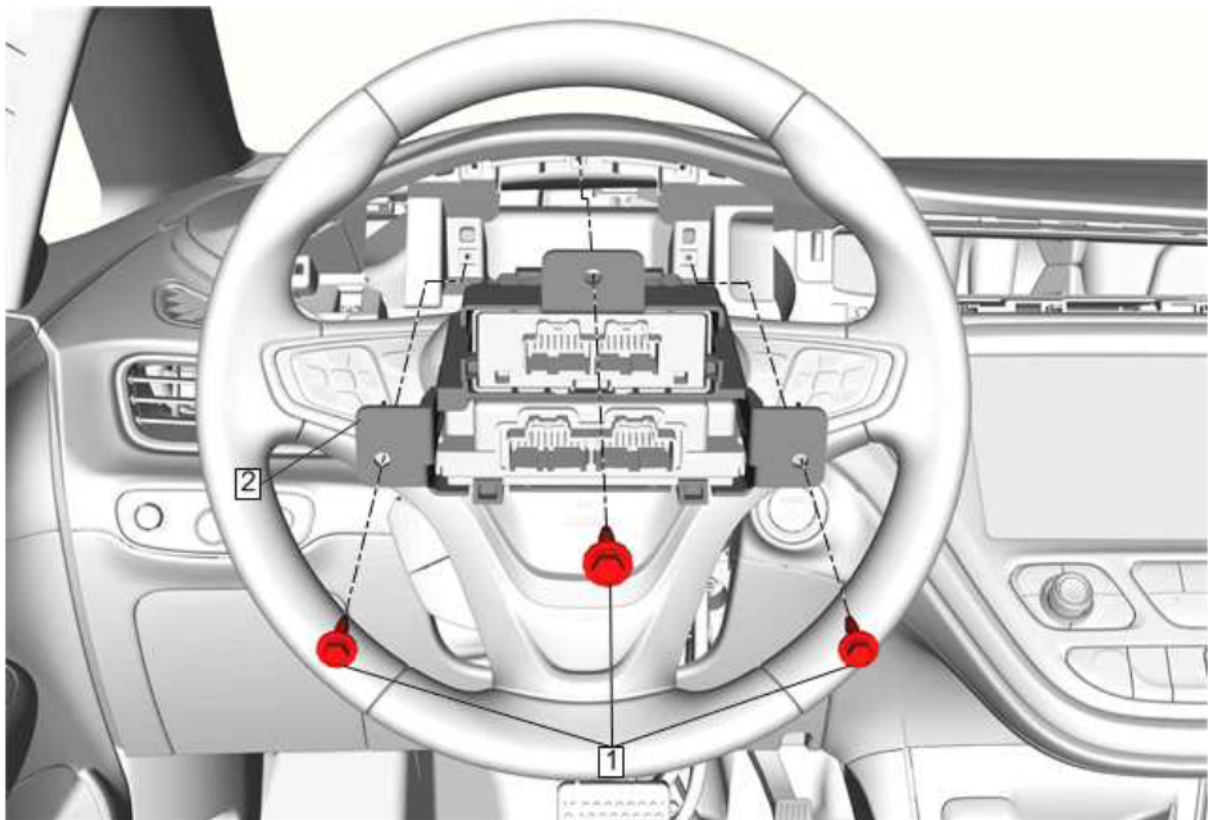


Fig. 45: Keyless Entry Control Module Bracket

Courtesy of GENERAL MOTORS COMPANY

10. Keyless Entry Control Module Bracket (2) - Install - **Keyless Entry Control Module Bracket Replacement**

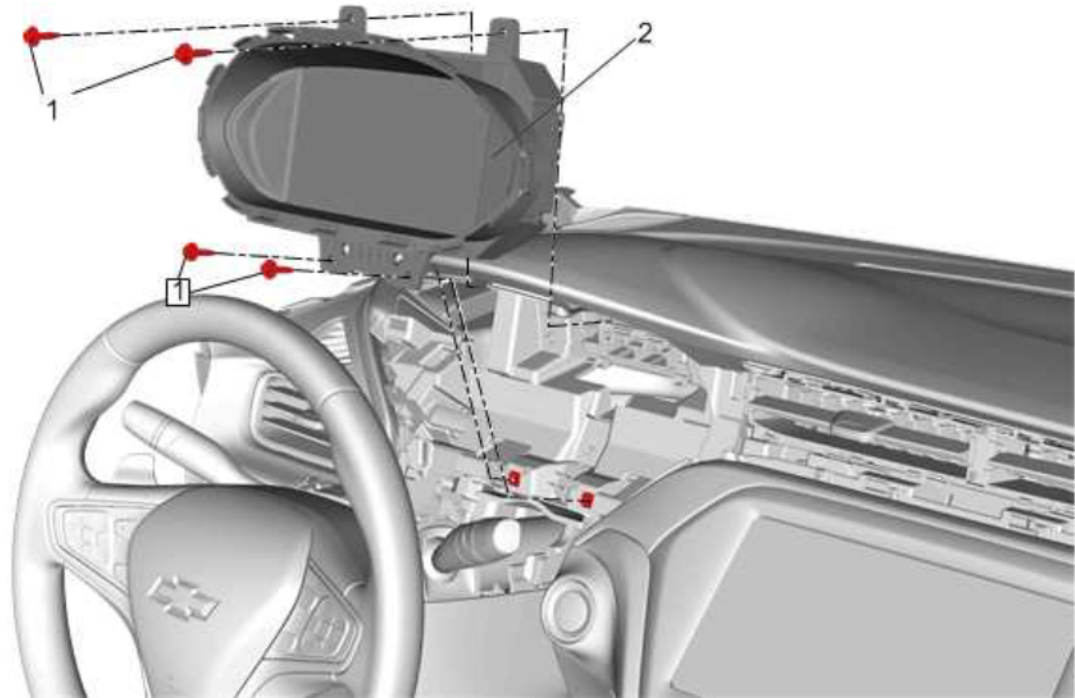


Fig. 46: Instrument Cluster

Courtesy of GENERAL MOTORS COMPANY

11. Instrument Cluster (2) - Install - [**Instrument Cluster Replacement**](#)



Fig. 47: Instrument Panel Steering Column Upper Trim Cover

Courtesy of GENERAL MOTORS COMPANY

12. Instrument Panel Steering Column Upper Trim Cover (1) - Install - [**Steering Column Upper Trim Cover Replacement**](#)

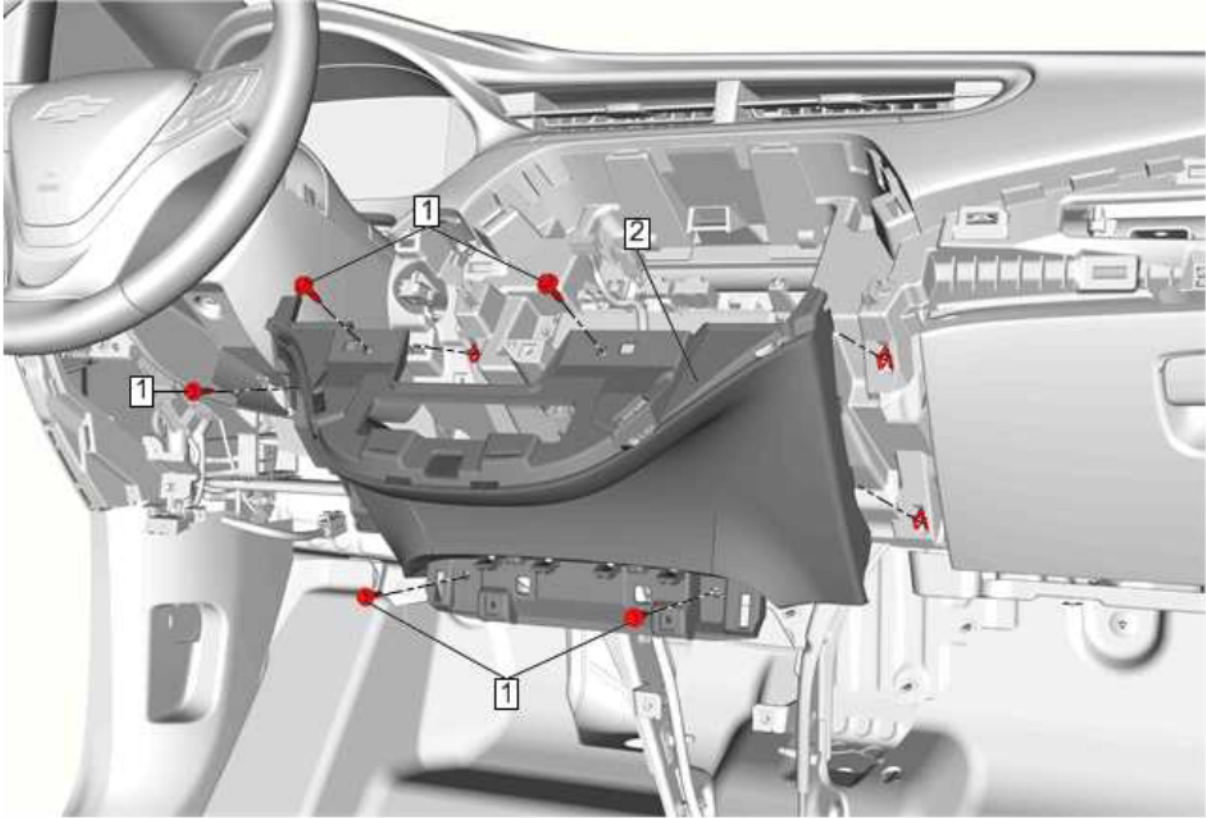


Fig. 48: Instrument Panel Lower Trim Panel
 Courtesy of GENERAL MOTORS COMPANY

13. Instrument Panel Lower Trim Panel (2) - Install - **Instrument Panel Lower Trim Panel Replacement**

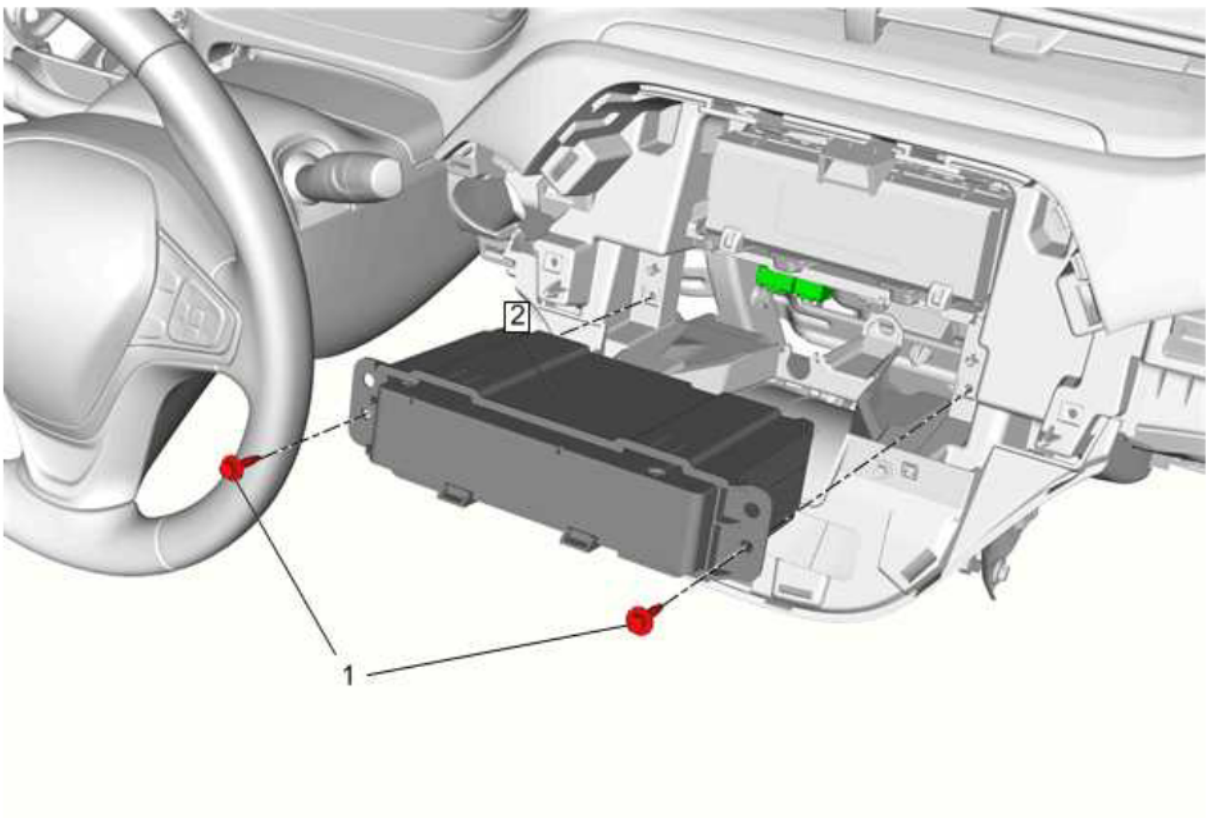


Fig. 49: Communication Interface Module Bracket
 Courtesy of GENERAL MOTORS COMPANY

14. Communication Interface Module Bracket - Install - **Communication Interface Module Bracket Replacement**

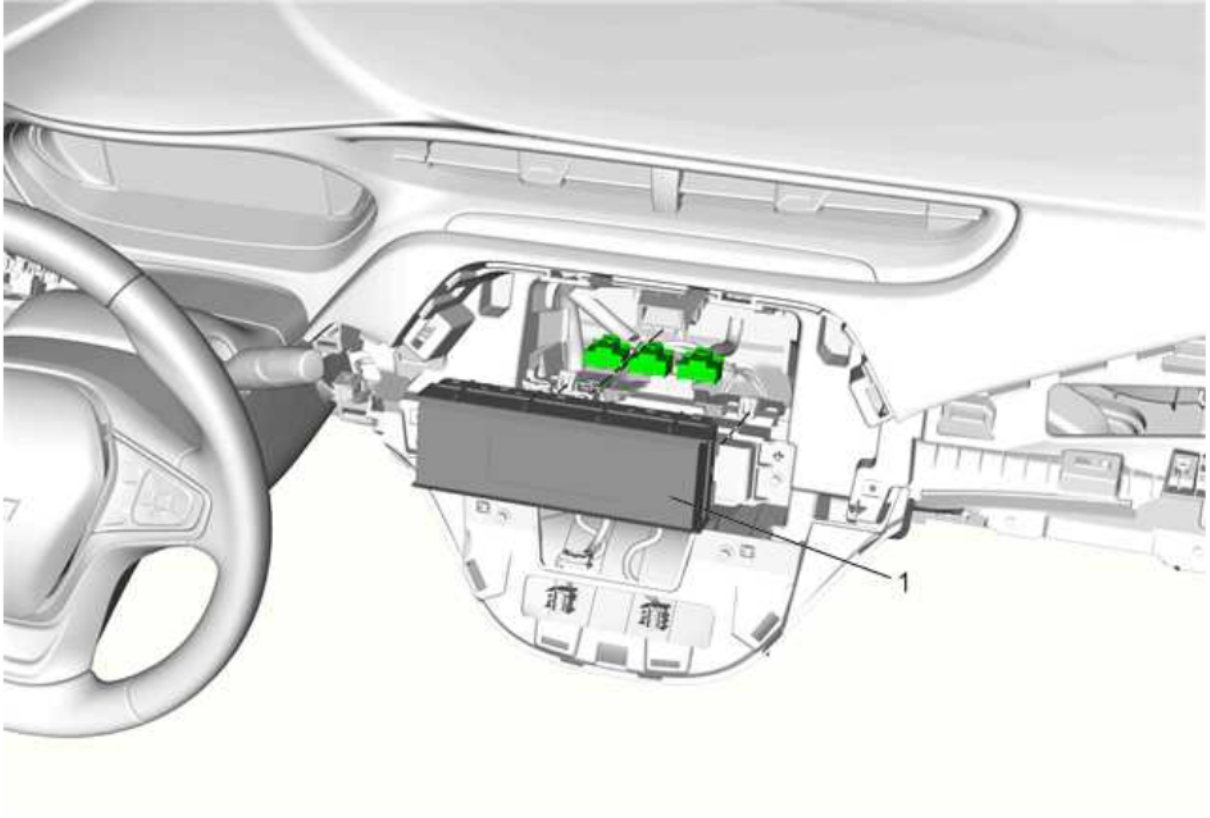


Fig. 50: Heater and Air Conditioning Remote Control

Courtesy of GENERAL MOTORS COMPANY

15. Heater and Air Conditioning Remote Control - Install - **Heater and Air Conditioning Remote Control Replacement**

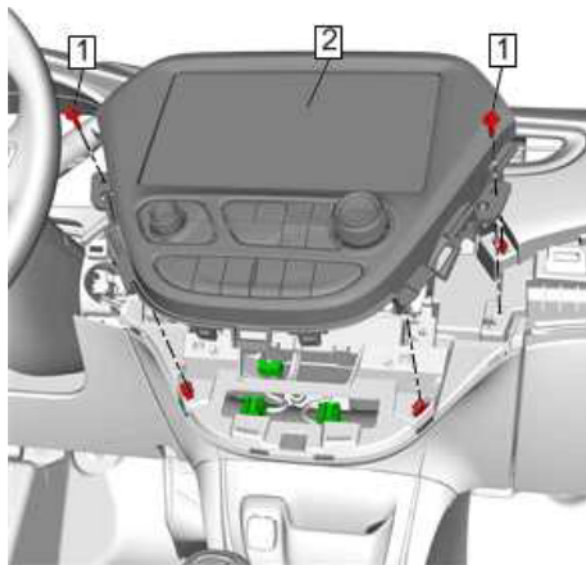


Fig. 51: Instrument Panel Trim Plate With Driver Information Display

Courtesy of GENERAL MOTORS COMPANY

16. Instrument Panel Trim Plate - Install - **Instrument Panel Trim Plate Replacement**

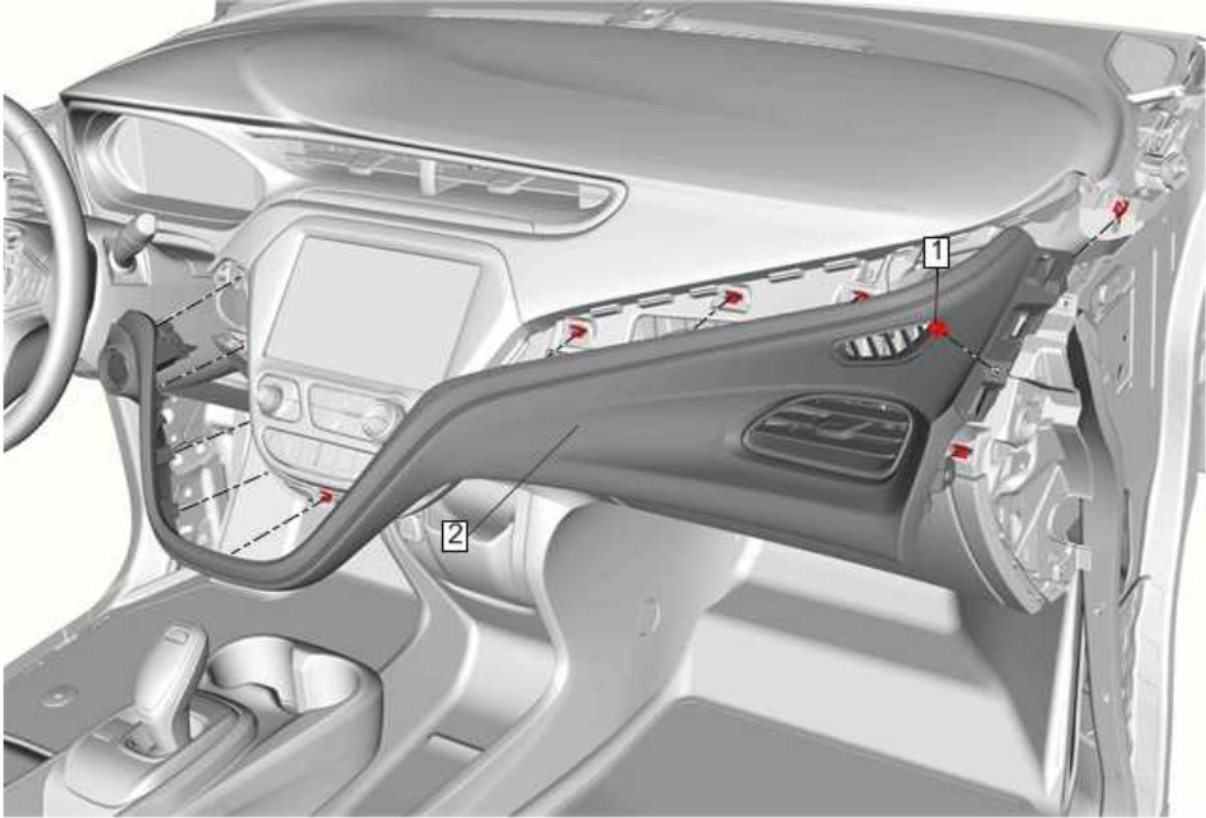


Fig. 52: Instrument Panel Trim Pad - Right Side

Courtesy of GENERAL MOTORS COMPANY

17. Instrument Panel Trim Pad - Right Side - Install - **Instrument Panel Trim Pad Replacement - Right Side**

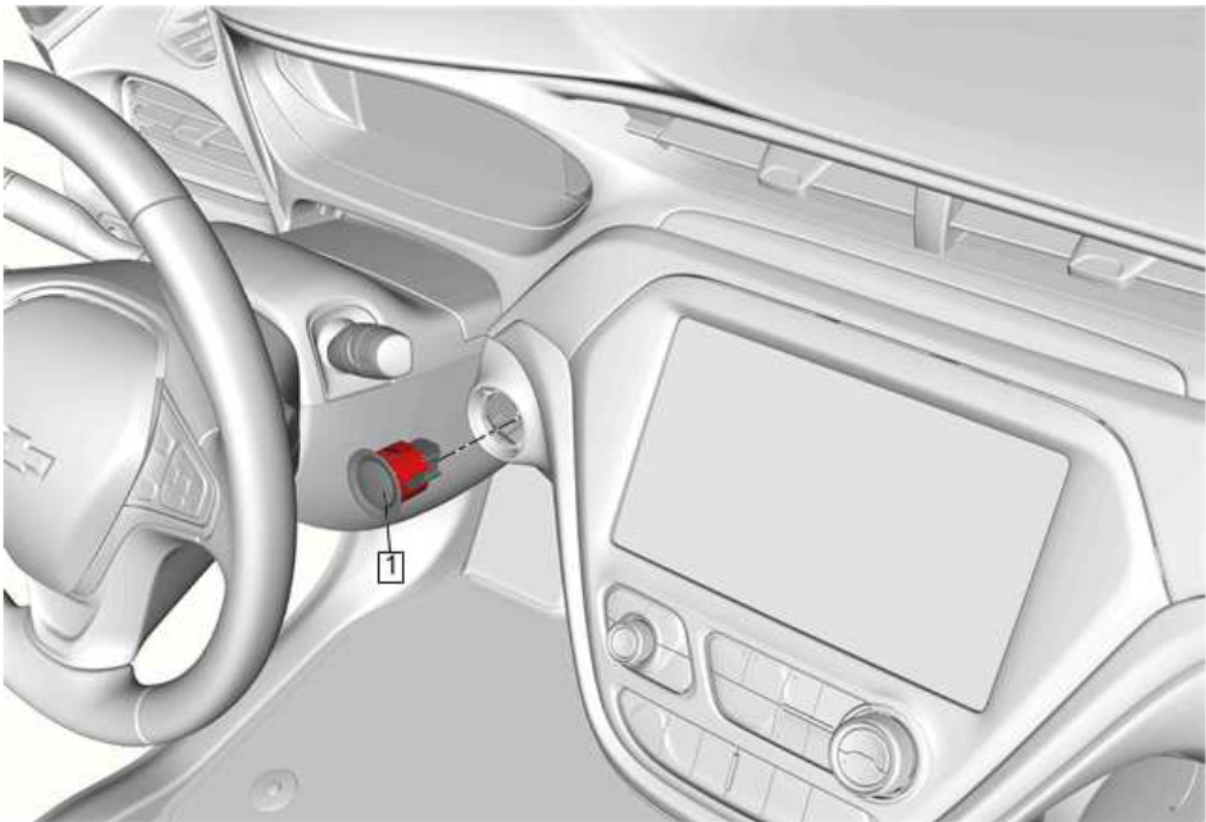


Fig. 53: On/Off Vehicle Switch

Courtesy of GENERAL MOTORS COMPANY

18. On/Off Vehicle Switch - Install - **On/Off Vehicle Switch Replacement**

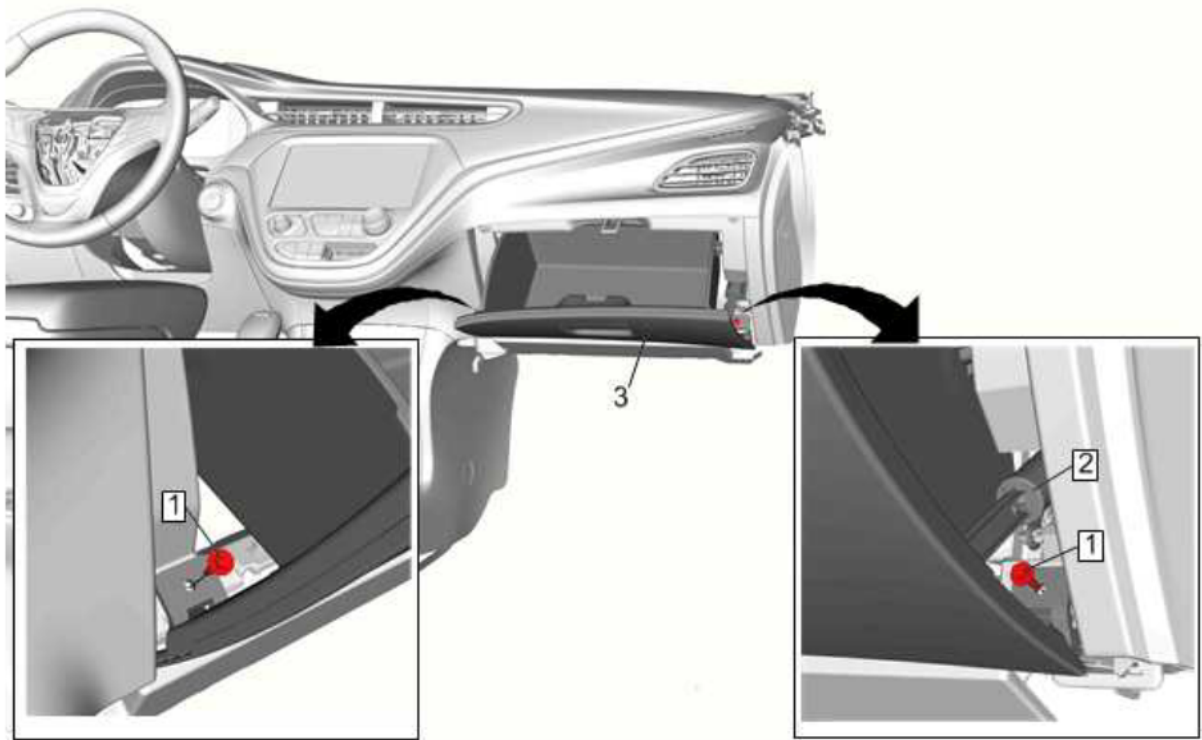


Fig. 54: Instrument Panel Compartment
 Courtesy of GENERAL MOTORS COMPANY

19. Instrument Panel Compartment - Install - **Instrument Panel Compartment Replacement**

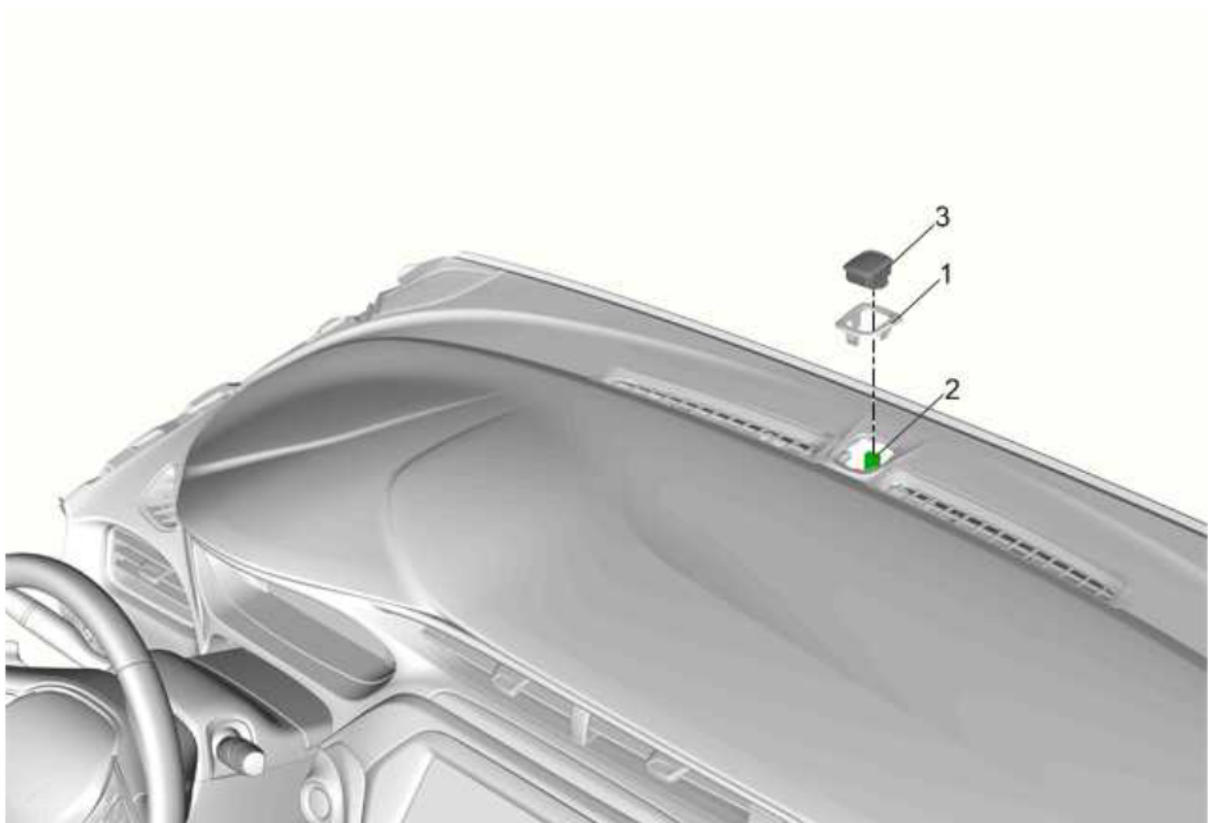


Fig. 55: Sun Load, Ambient Light, and Charge Indicator Sensor
 Courtesy of GENERAL MOTORS COMPANY

20. Sun Load, Ambient Light, and Charge Indicator Sensor - Install - **Sun Load, Ambient Light, and Charge Indicator Sensor Replacement**

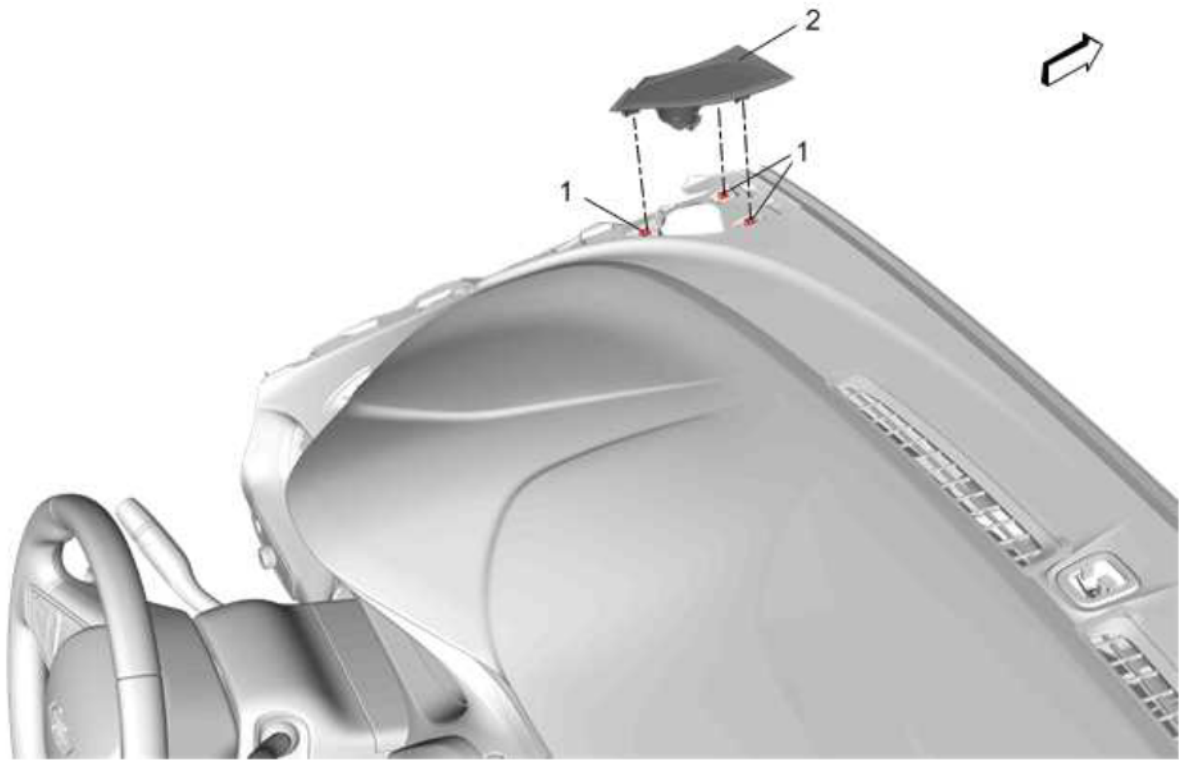


Fig. 56: Radio Front Speaker Grille

Courtesy of GENERAL MOTORS COMPANY

21. Radio Front Speaker Grille - Install - [Radio Front Speaker Grille Replacement](#)

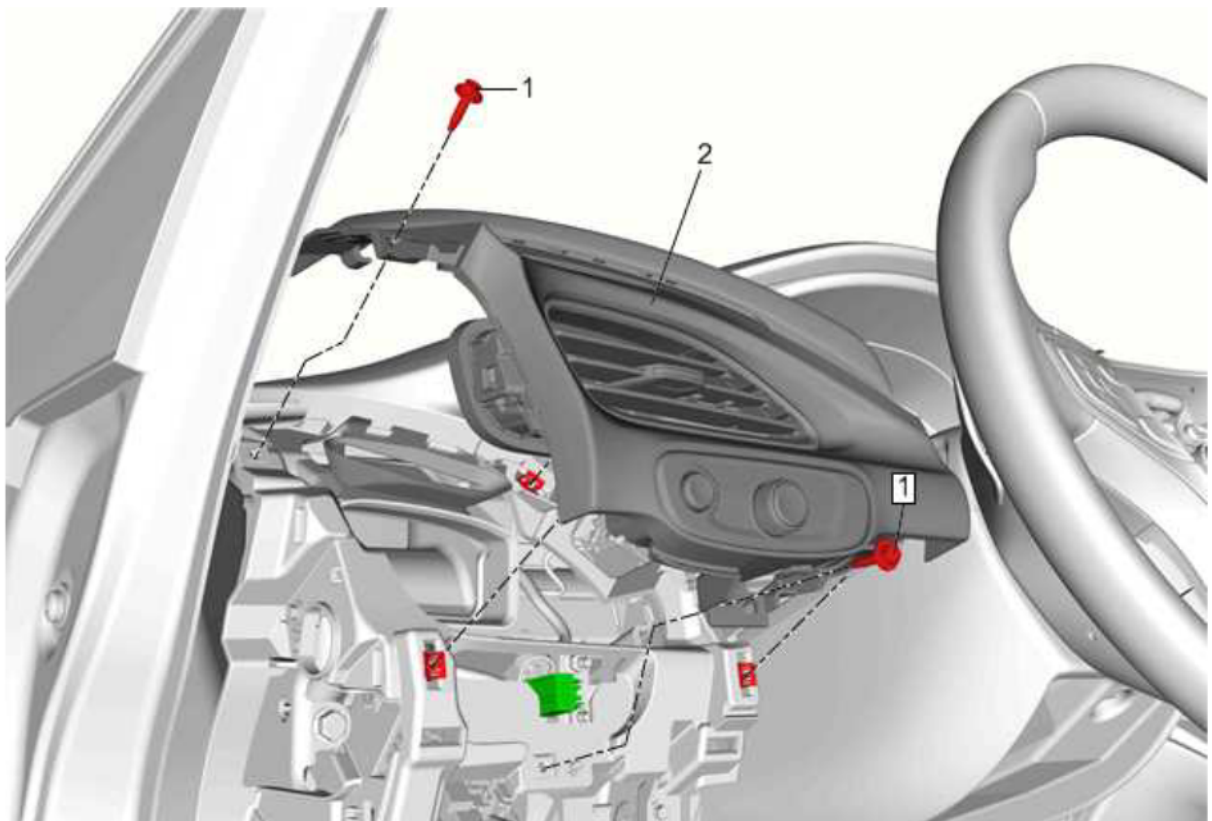


Fig. 57: Instrument Panel Trim Pad - Left Side

Courtesy of GENERAL MOTORS COMPANY

22. Instrument Panel Trim Pad - Left Side - Install - [Instrument Panel Trim Pad Replacement - Left Side](#)



Fig. 58: Instrument Panel Outer Trim Cover - Right
 Courtesy of GENERAL MOTORS COMPANY

23. Instrument Panel Outer Trim Cover - Right - Install - **Instrument Panel Outer Trim Cover Replacement**

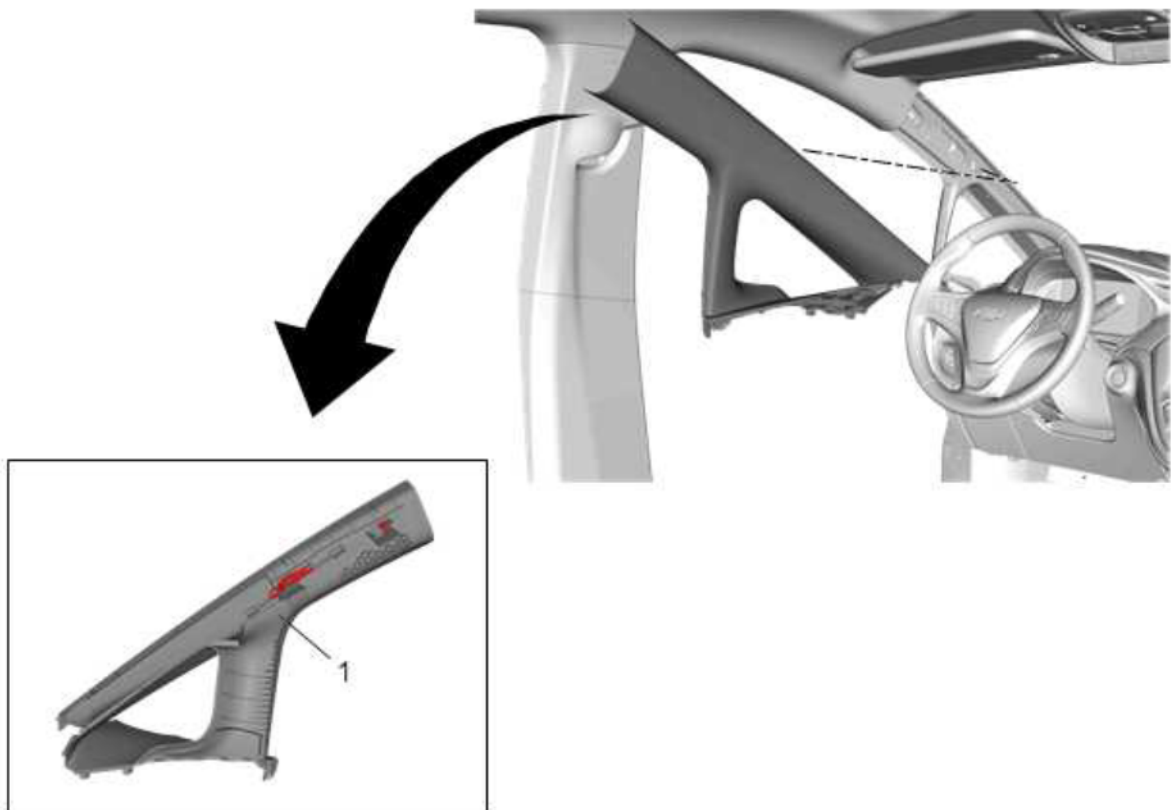


Fig. 59: Windshield Garnish Molding
 Courtesy of GENERAL MOTORS COMPANY

24. Windshield Garnish Molding - Install - **Windshield Garnish Molding Replacement**

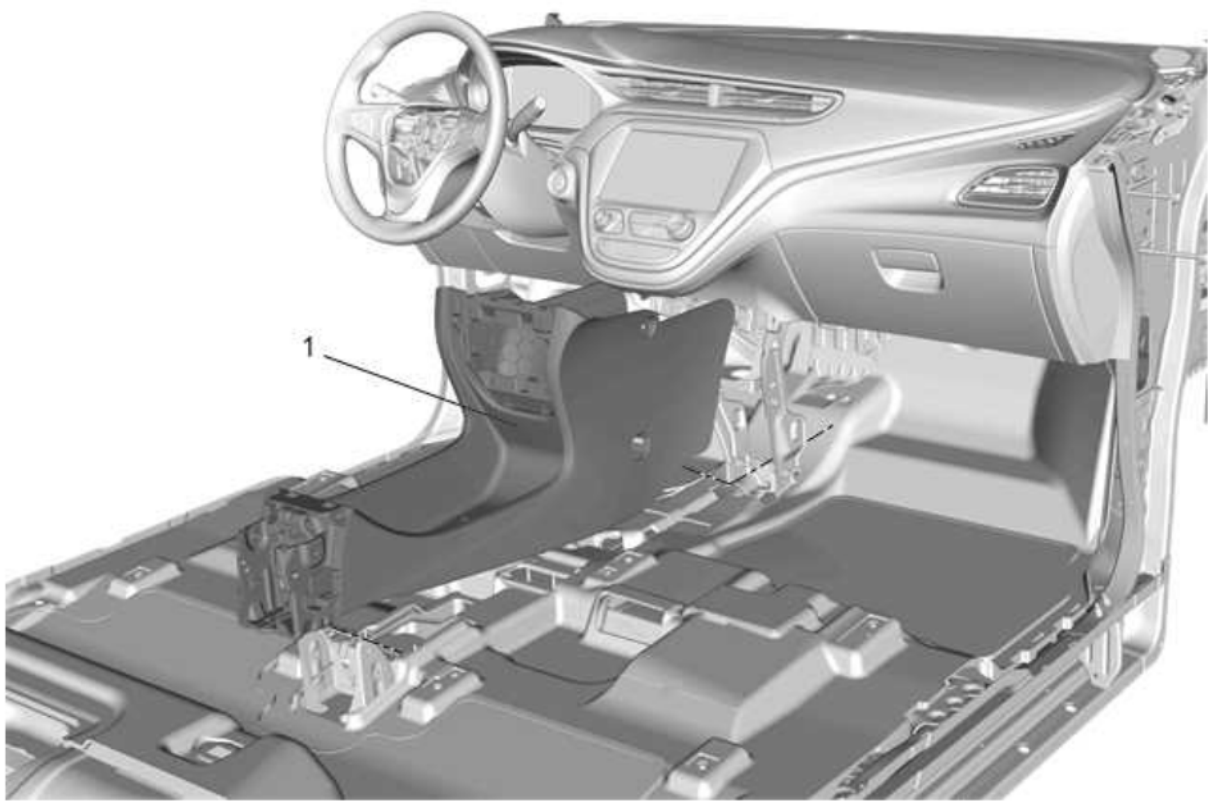


Fig. 60: Front Floor Console

Courtesy of GENERAL MOTORS COMPANY

25. Front Floor Console - Install - [Front Floor Console Replacement](#)

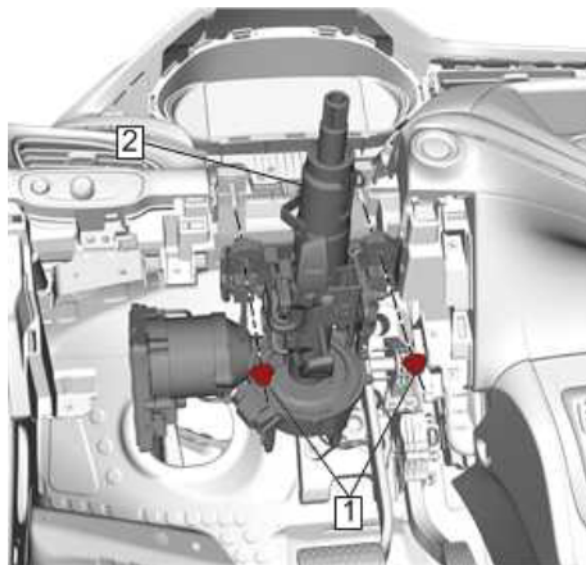


Fig. 61: Steering Column

Courtesy of GENERAL MOTORS COMPANY

26. Steering Column - Install - [Steering Column Replacement](#)
 27. Enable the SIR System. [SIR Disabling and Enabling](#)

INSTRUMENT PANEL TIE BAR REPLACEMENT

Removal Procedure

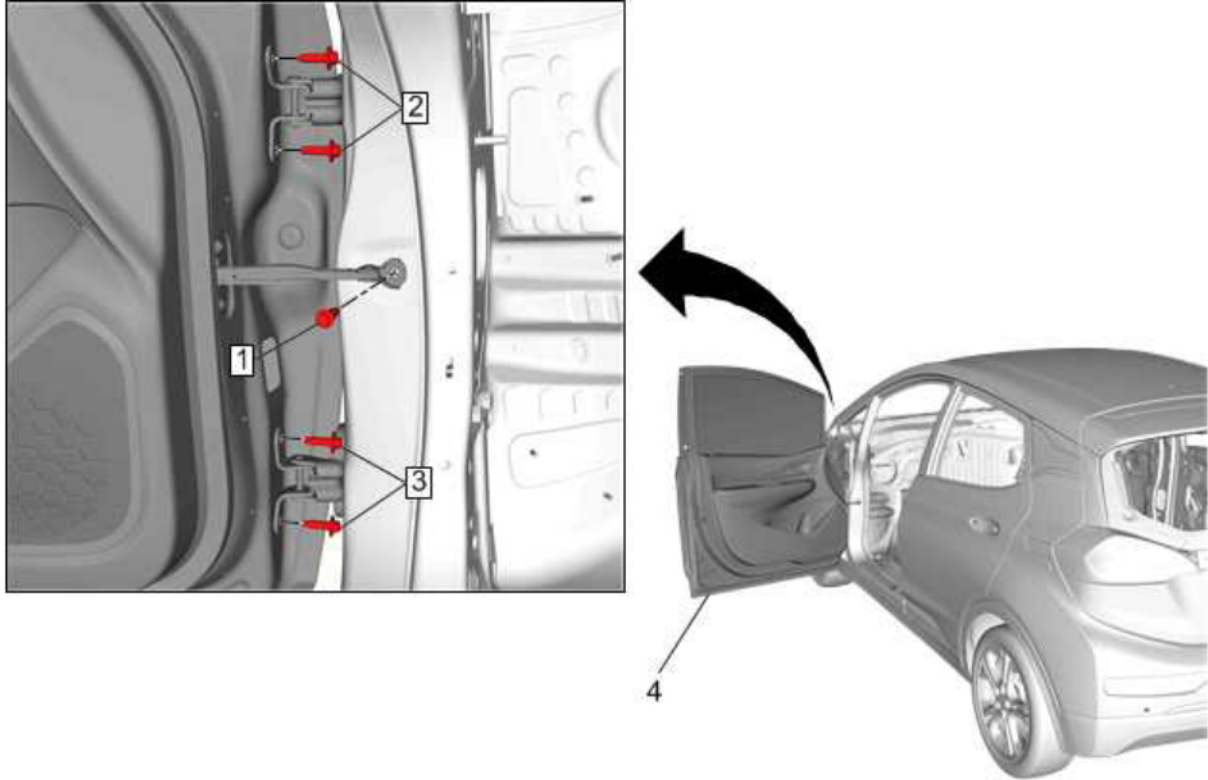


Fig. 62: Front Side Door

Courtesy of GENERAL MOTORS COMPANY

1. Front Side Door - Remove - [Front Side Door Replacement](#)

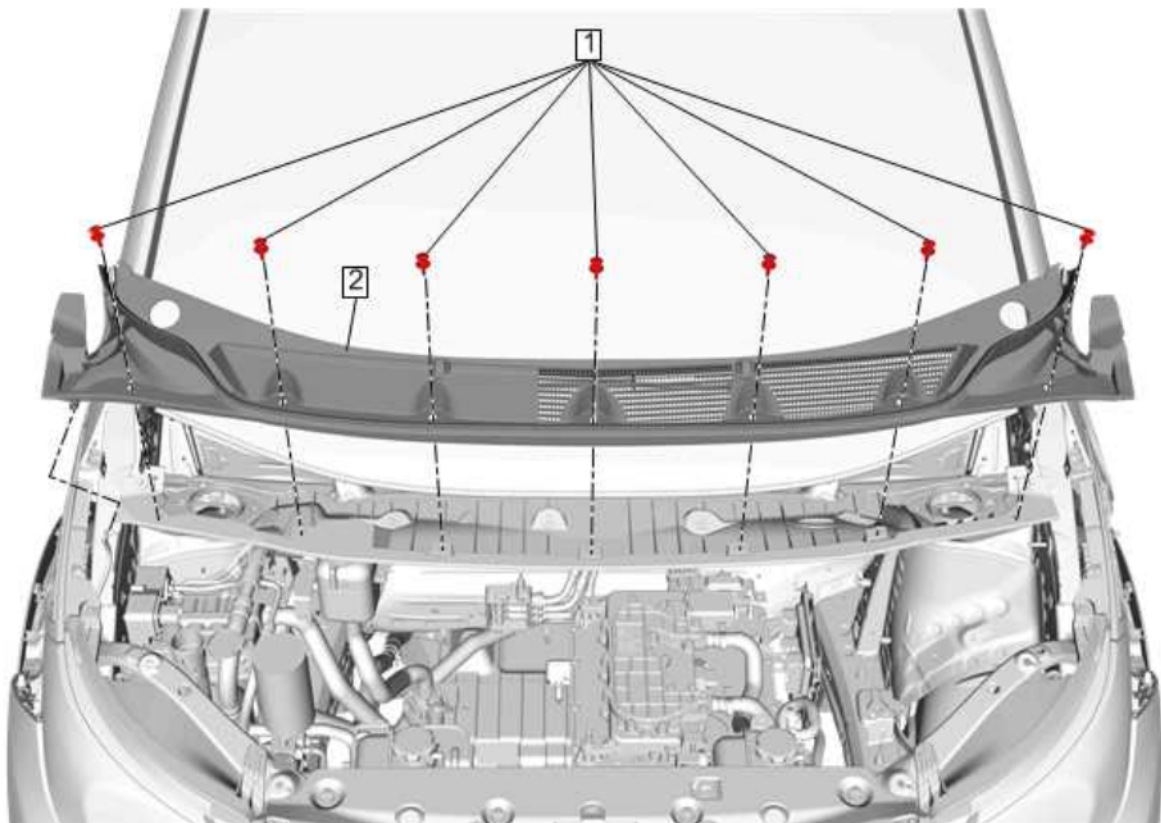


Fig. 63: Air Inlet Grille Panel

Courtesy of GENERAL MOTORS COMPANY

2. Air Inlet Grille Panel - Remove - [Air Inlet Grille Panel Replacement](#)

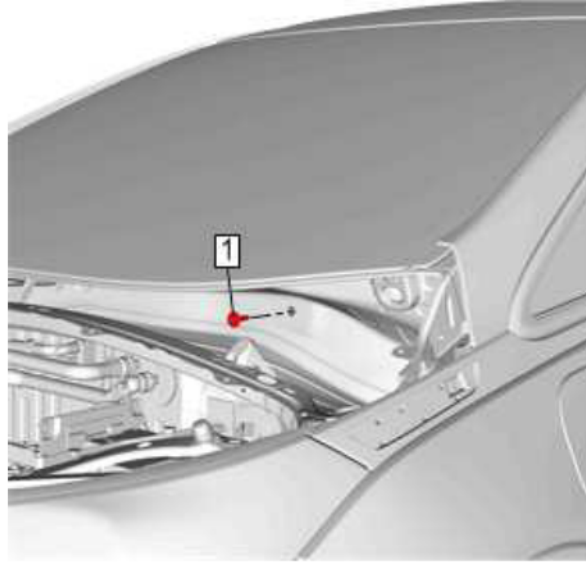


Fig. 64: Instrument Panel Upper Bolt
 Courtesy of GENERAL MOTORS COMPANY

3. Instrument Panel Upper Bolt - Remove

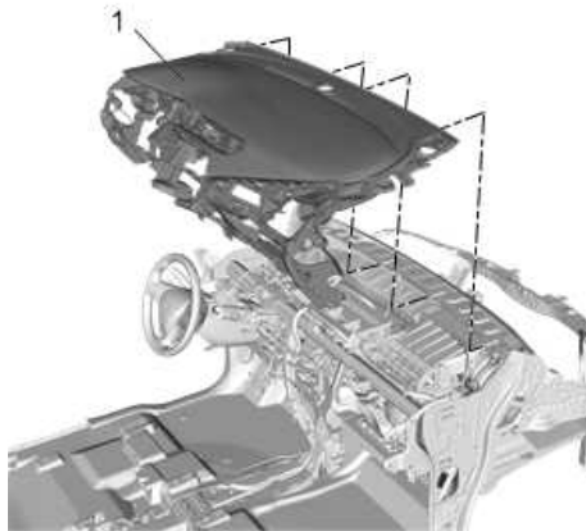


Fig. 65: Instrument Panel Assembly
 Courtesy of GENERAL MOTORS COMPANY

4. Instrument Panel Assembly - Remove - **[Instrument Panel Assembly Replacement](#)**

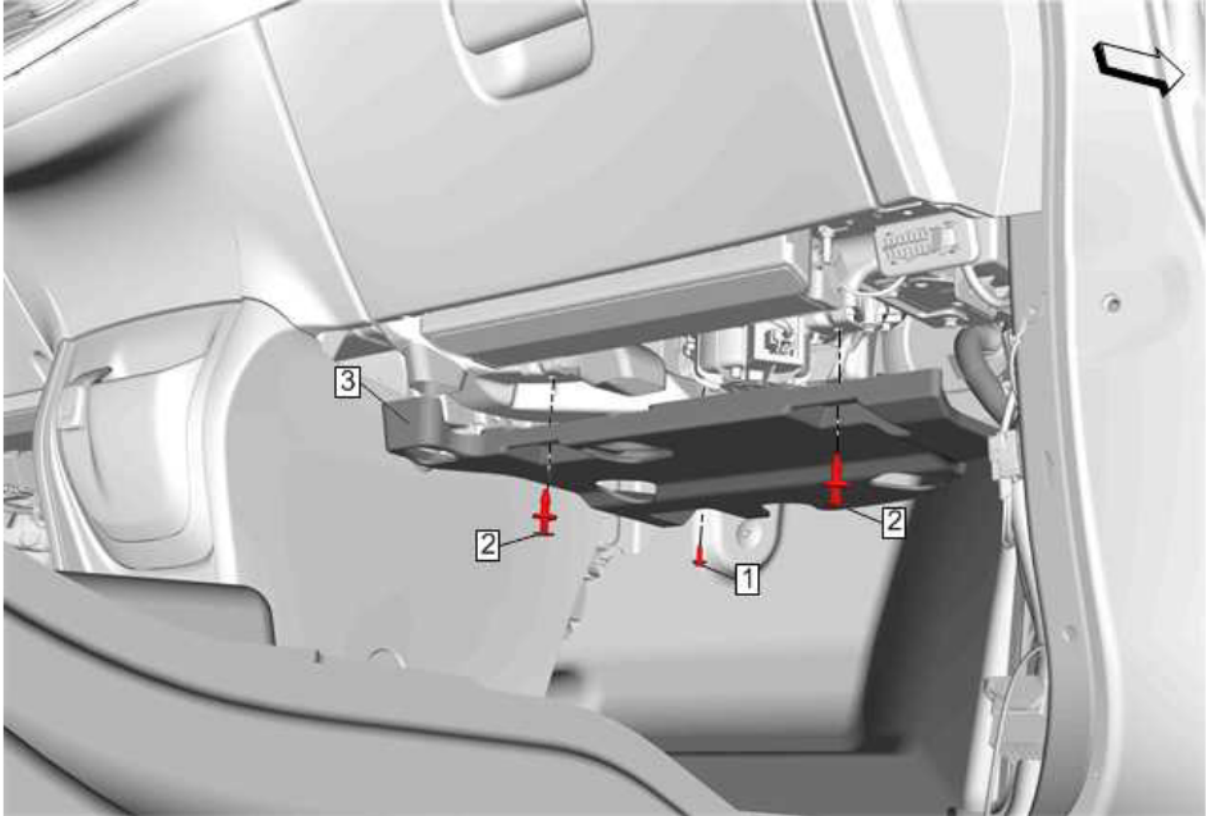


Fig. 66: Instrument Panel Lower Trim Panel Insulator
 Courtesy of GENERAL MOTORS COMPANY

5. Instrument Panel Lower Trim Panel Insulator - Remove - **Instrument Panel Lower Trim Panel Insulator Replacement**

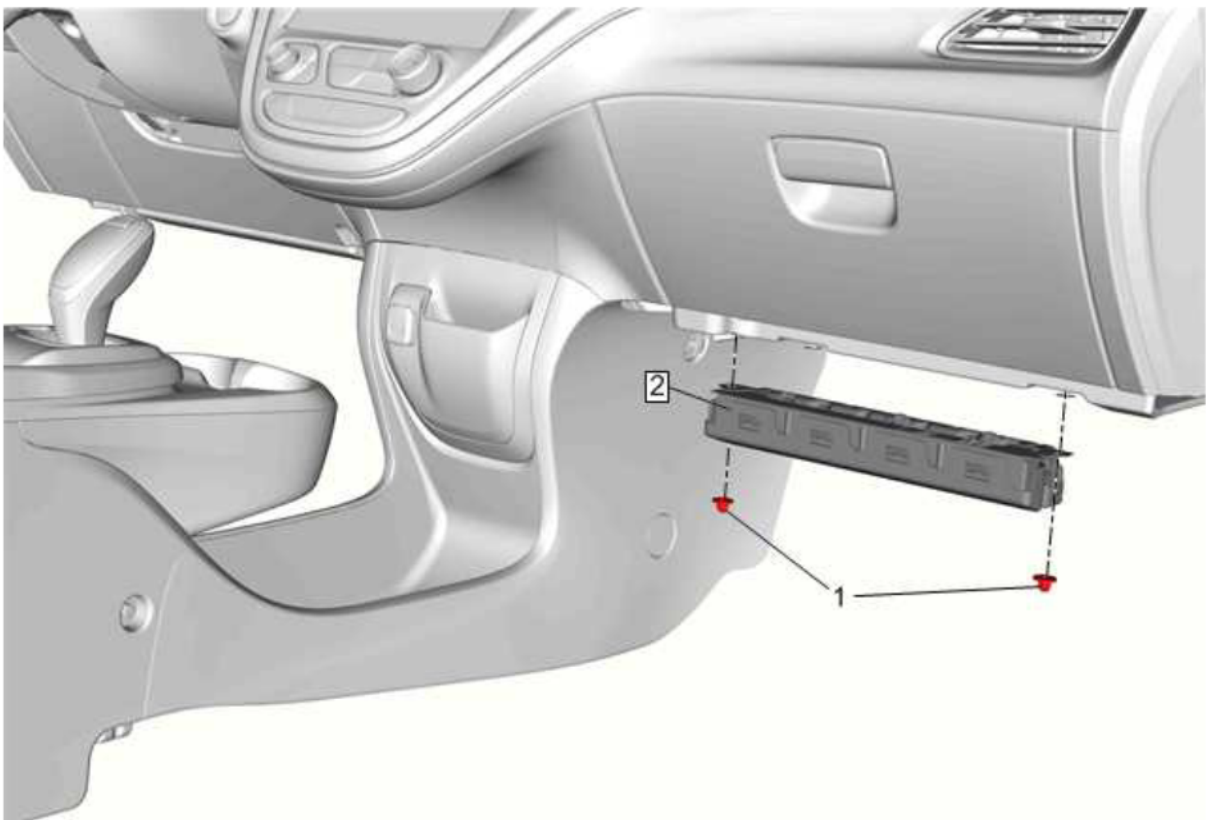


Fig. 67: Instrument Panel Lower Airbag - Passenger Side
 Courtesy of GENERAL MOTORS COMPANY

6. Instrument Panel Lower Airbag - Passenger Side - Remove - **Instrument Panel Lower Airbag Replacement - Passenger Side**

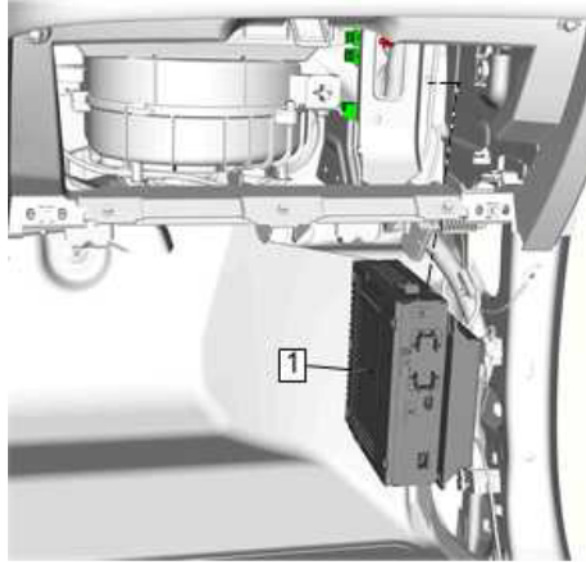


Fig. 68: Radio

Courtesy of GENERAL MOTORS COMPANY

7. Radio - Remove **Radio Replacement**

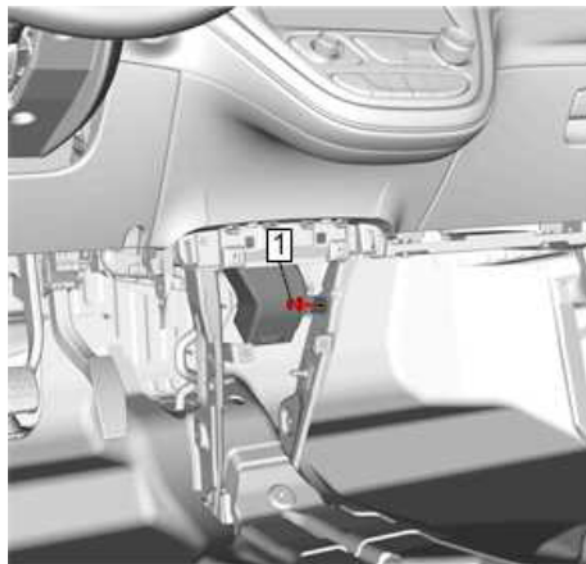


Fig. 69: Floor Front Air Outlet Duct Push Pin

Courtesy of GENERAL MOTORS COMPANY

8. Floor Front Air Outlet Duct Push Pin (1) - Remove - **Floor Front Air Outlet Duct Replacement**

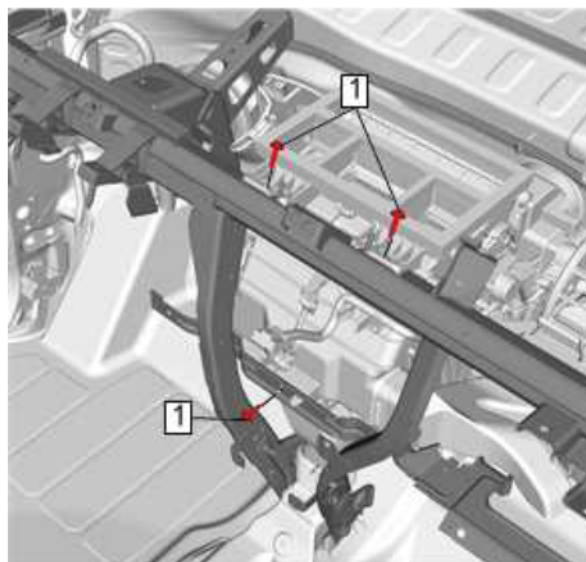


Fig. 70: Heater and Air Conditioning Evaporator Module Bolt

Courtesy of GENERAL MOTORS COMPANY

9. Heater and Air Conditioning Evaporator Module Bolt - Remove

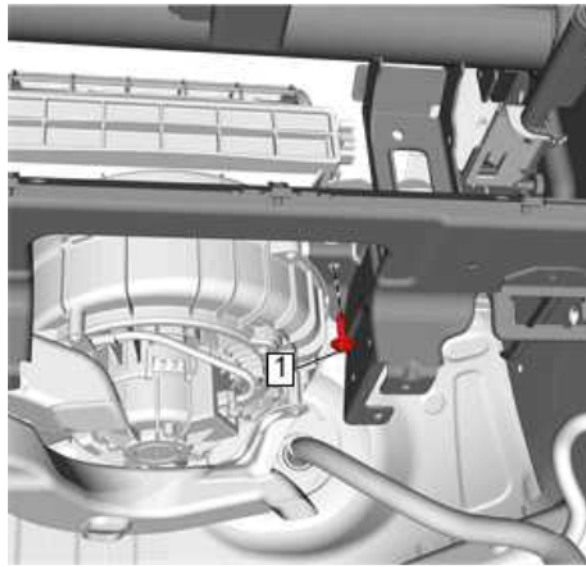


Fig. 71: Heater and Air Conditioning Evaporator and Blower Module Bolt
Courtesy of GENERAL MOTORS COMPANY

10. Heater and Air Conditioning Evaporator and Blower Module Bolt - Remove

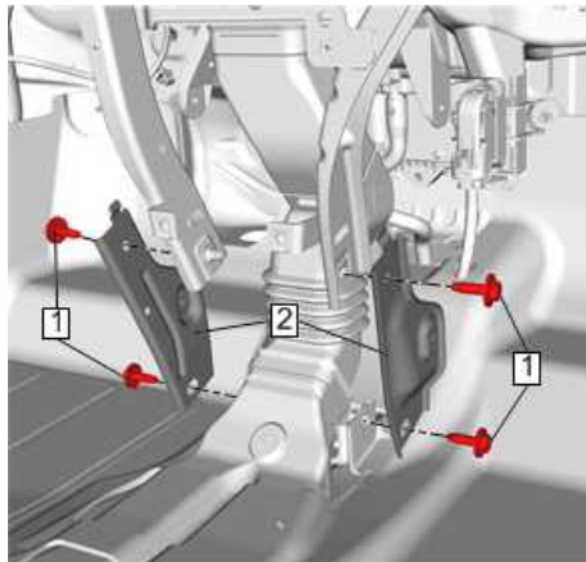


Fig. 72: Instrument Panel Tie Bar Brace Bolt
Courtesy of GENERAL MOTORS COMPANY

11. Unclip the harness from the left brace.
12. Instrument Panel Tie Bar Brace Bolt - Remove
13. Instrument Panel Tie Bar Brace - Remove

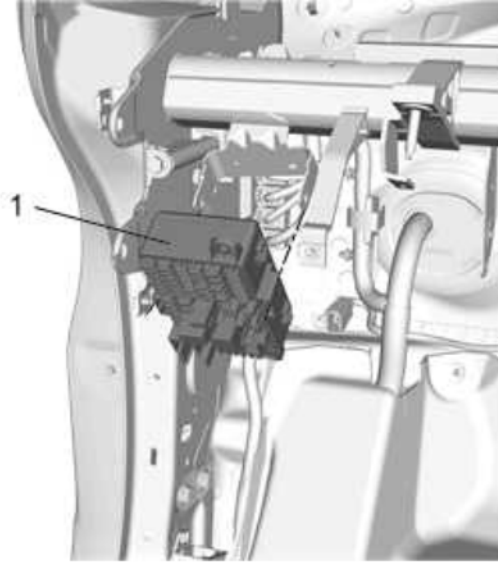


Fig. 73: Instrument Panel Wiring Harness Junction Block
Courtesy of GENERAL MOTORS COMPANY

14. Use a suitable tool to release the Instrument Panel Wiring Harness Junction Block (1) from the Instrument Panel Tie Bar and position out of the way.
15. Unclip the head lamp switch harness from the block.

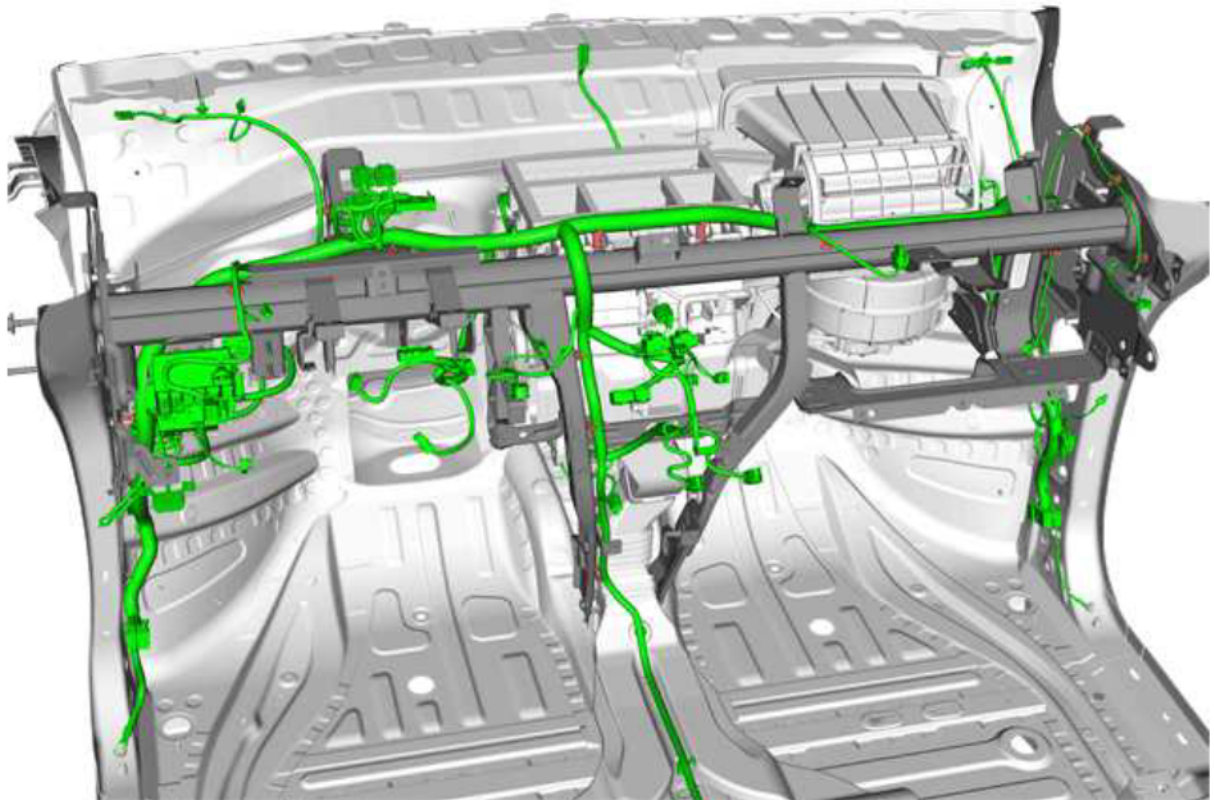


Fig. 74: Instrument Panel Wiring Harness
Courtesy of GENERAL MOTORS COMPANY

16. Note the location and routing of the instrument panel wiring harness prior to removal to ensure proper installation.
17. Detach the I/P wiring harness retaining clips from the Instrument Panel Tie Bar.

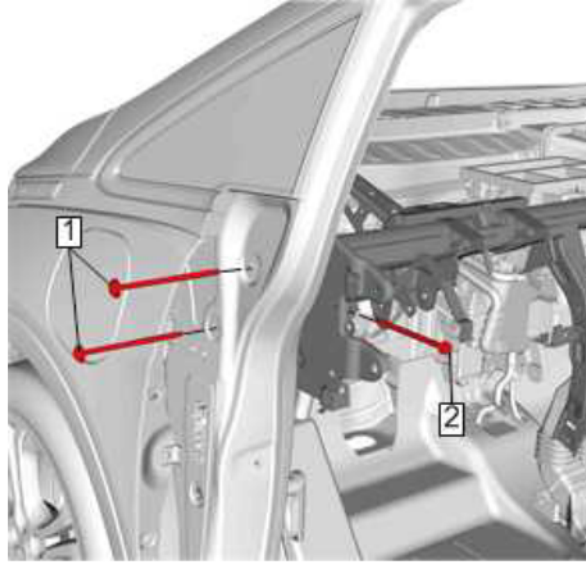


Fig. 75: Instrument Panel Tie Bar Bolt - Right Side
 Courtesy of GENERAL MOTORS COMPANY

- 18. Instrument Panel Tie Bar Bolt - Remove
- 19. Instrument Panel Tie Bar Reinforcement Bolt - Remove

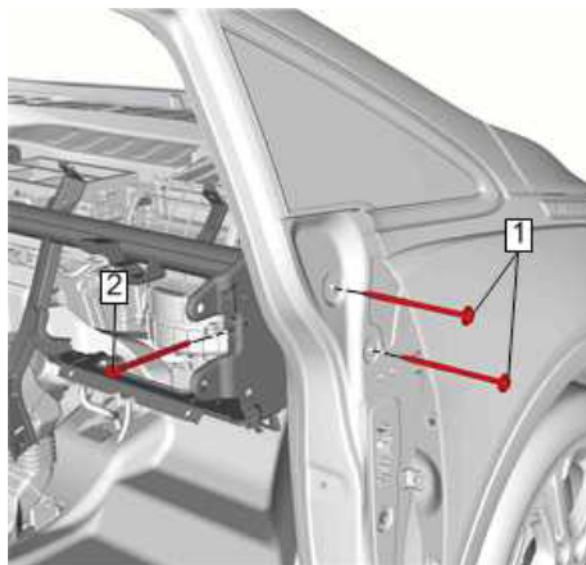


Fig. 76: Instrument Panel Tie Bar Bolt - Left Side
 Courtesy of GENERAL MOTORS COMPANY

- 20. Instrument Panel Tie Bar Bolt - Remove
- 21. Instrument Panel Tie Bar Reinforcement Bolt - Remove

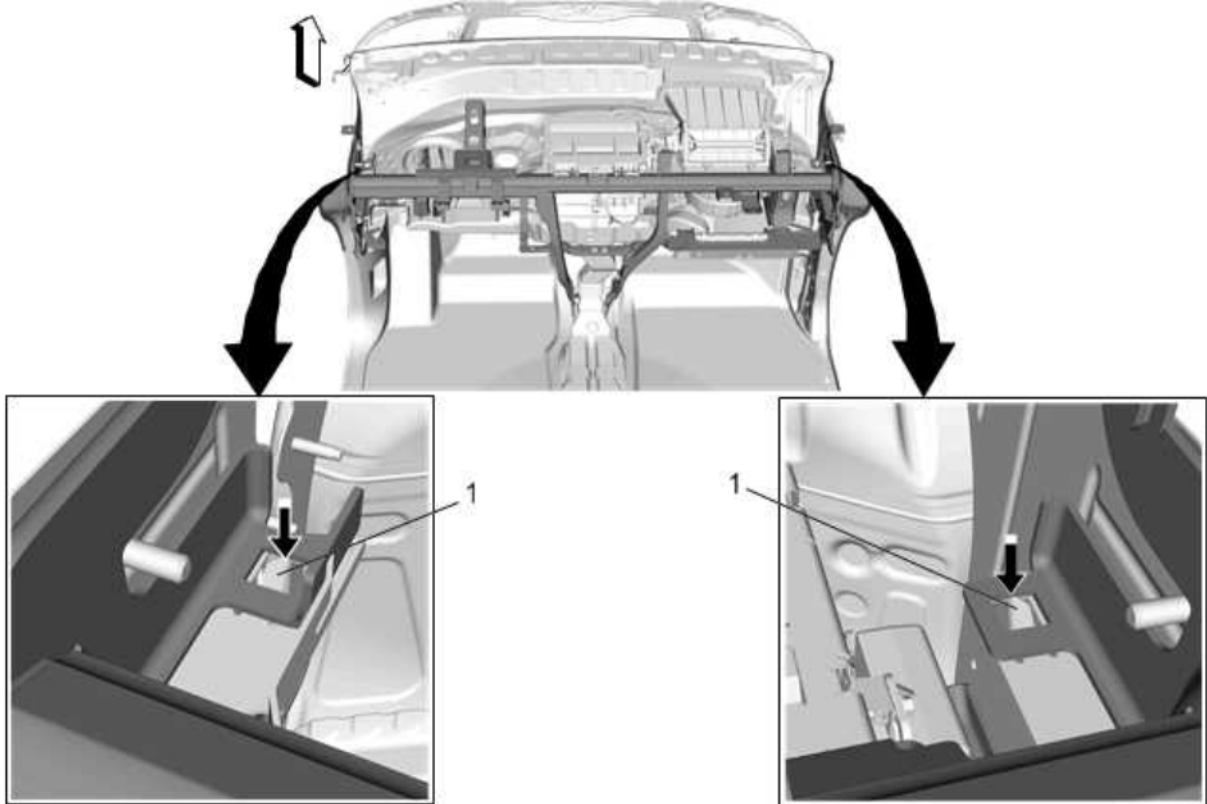


Fig. 77: Body Bracket Locking Tabs

Courtesy of GENERAL MOTORS COMPANY

22. Bend the locking tabs (1) down on the body bracket at the pillars.

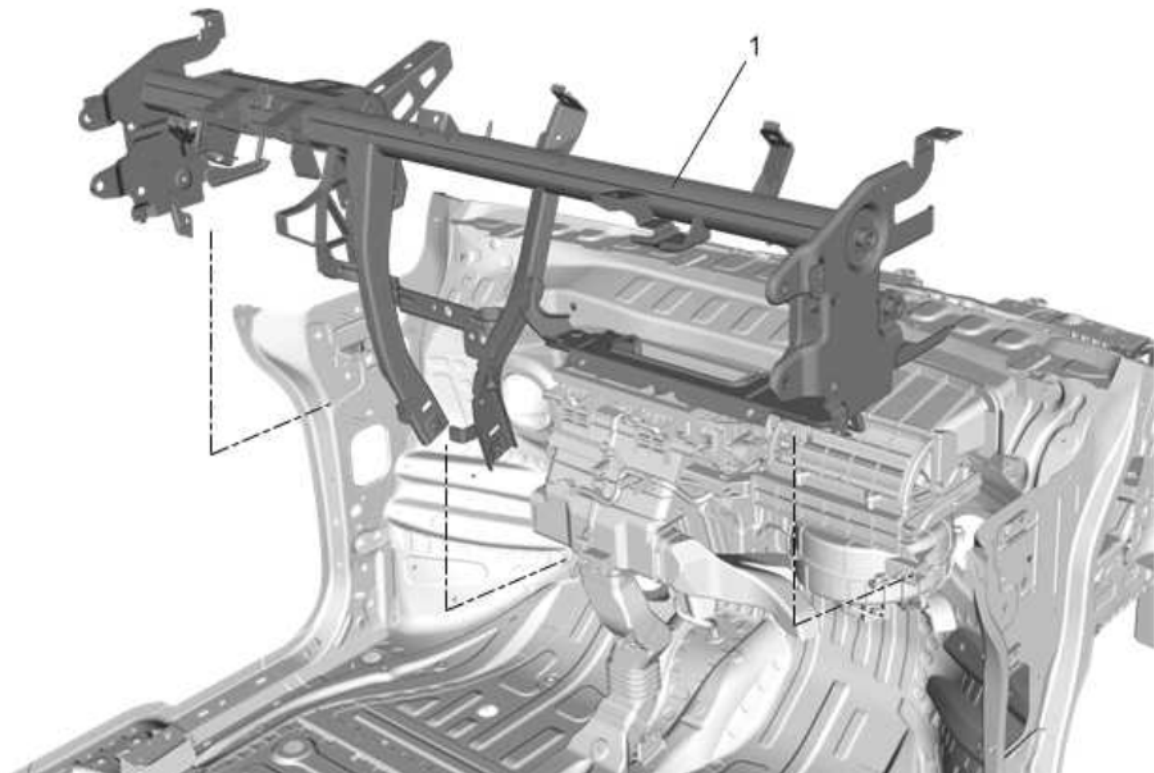


Fig. 78: Instrument Panel Tie Bar Assembly

Courtesy of GENERAL MOTORS COMPANY

23. Support the HVAC module in order to prevent damage.
24. With the aid of an assistant, remove the instrument panel tie bar assembly from the vehicle.

Installation Procedure

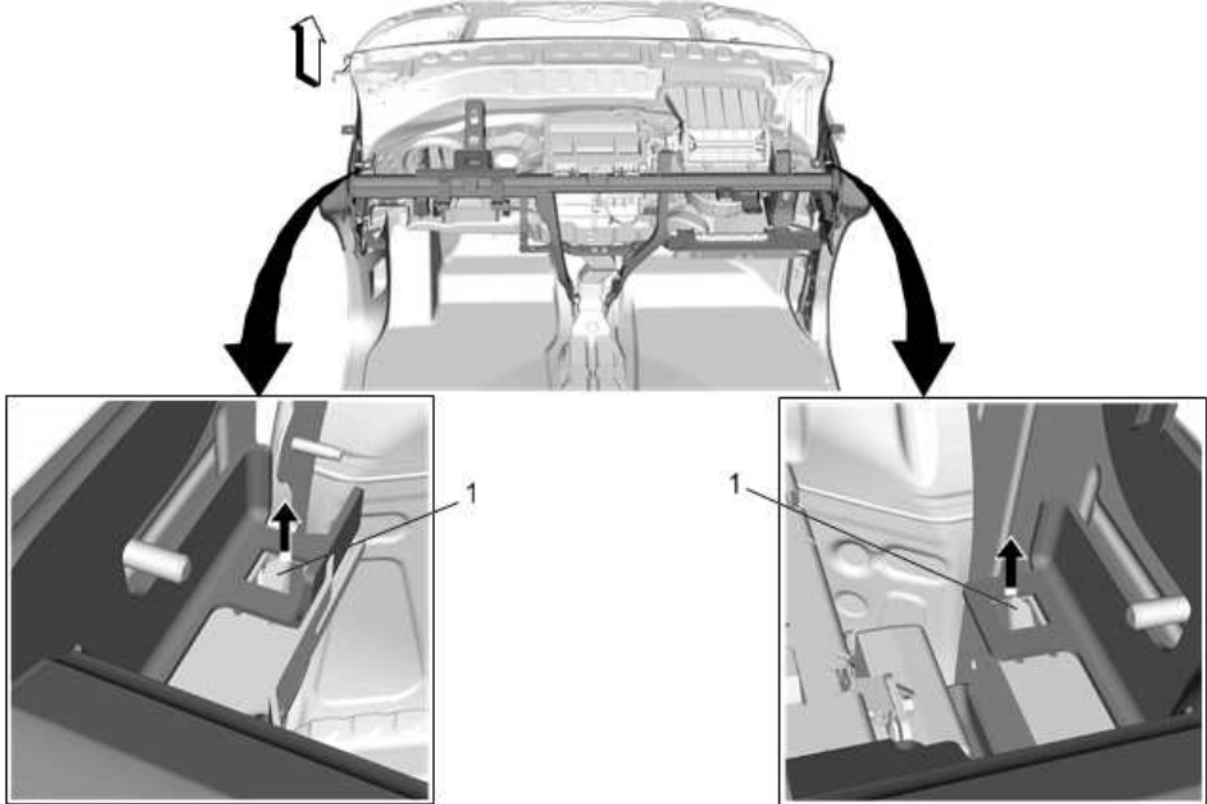


Fig. 79: Assembly Line Locking Tabs

Courtesy of GENERAL MOTORS COMPANY

1. Bend the assembly line locking tabs (1) back into position.

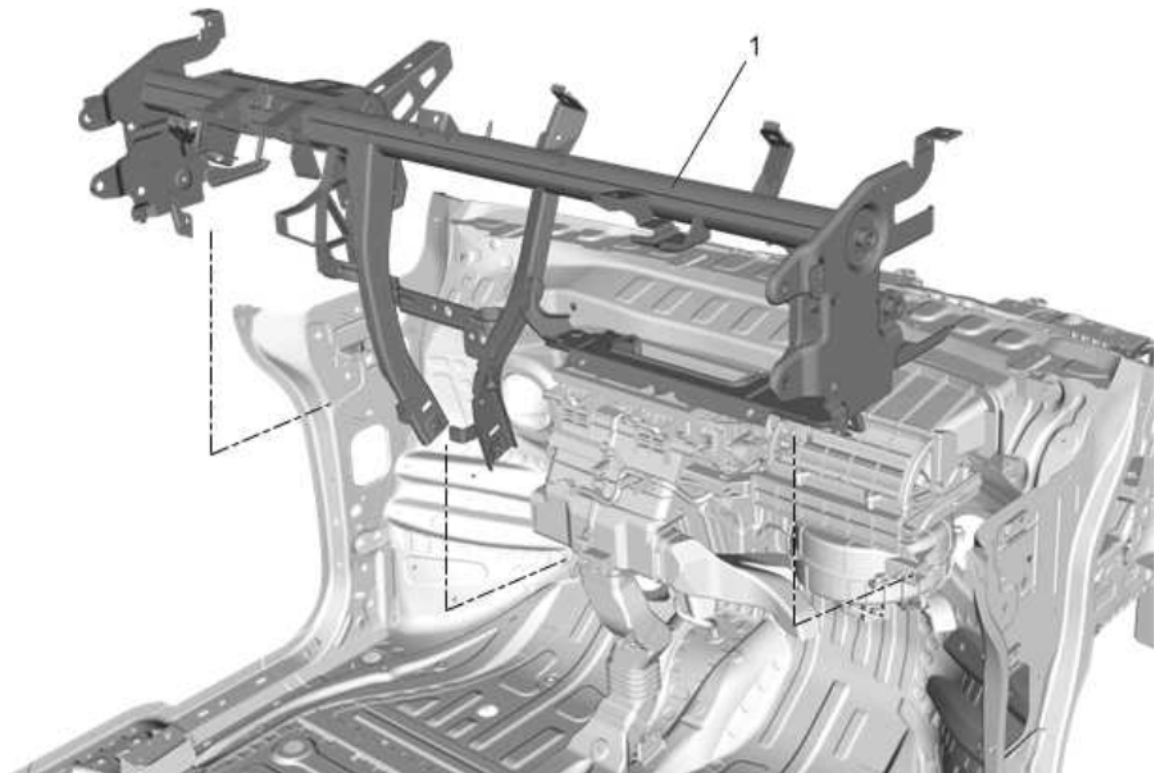


Fig. 80: Instrument Panel Tie Bar Assembly

Courtesy of GENERAL MOTORS COMPANY

2. With the aid of an assistant, position the instrument panel tie bar assembly into the vehicle.
3. Remove the HVAC module temporary support.
4. Install the instrument panel wiring harness assembly to the position noted in the removal procedure.

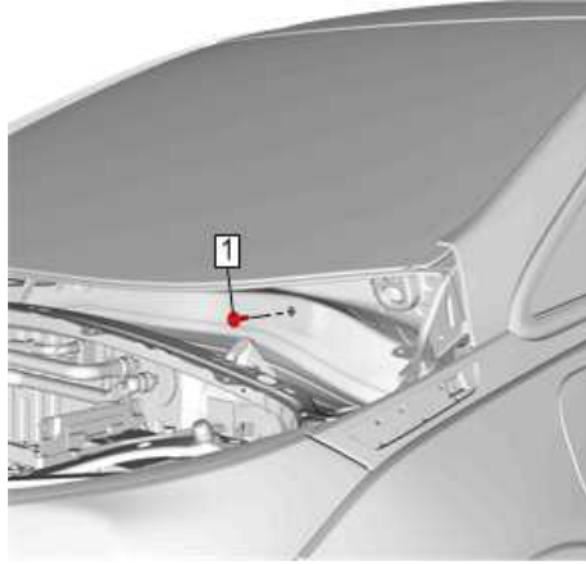


Fig. 81: Instrument Panel Upper Bolt
 Courtesy of GENERAL MOTORS COMPANY

5. Instrument Panel Upper Bolt - Install and tighten to 22 N.m (16 lb ft)

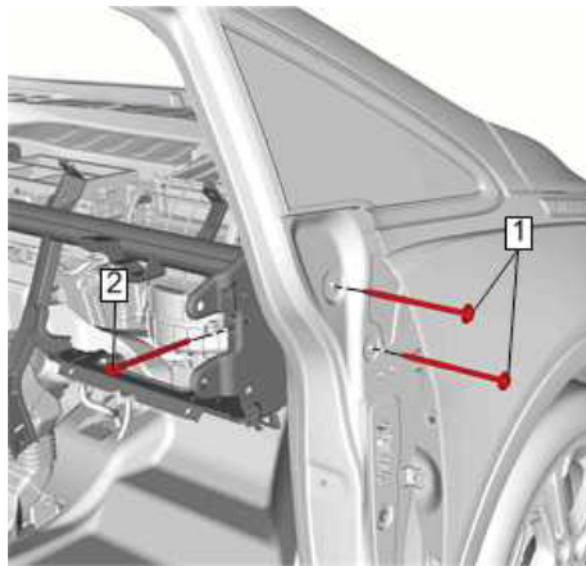


Fig. 82: Instrument Panel Tie Bar Bolt - Left Side
 Courtesy of GENERAL MOTORS COMPANY

6. Instrument Panel Bolt (1) - Install and tighten to 22 N.m (16 lb ft)
7. Instrument Panel Tie Bar Reinforcement Bolt (2) - Install and tighten to 22 N.m (16 lb ft)

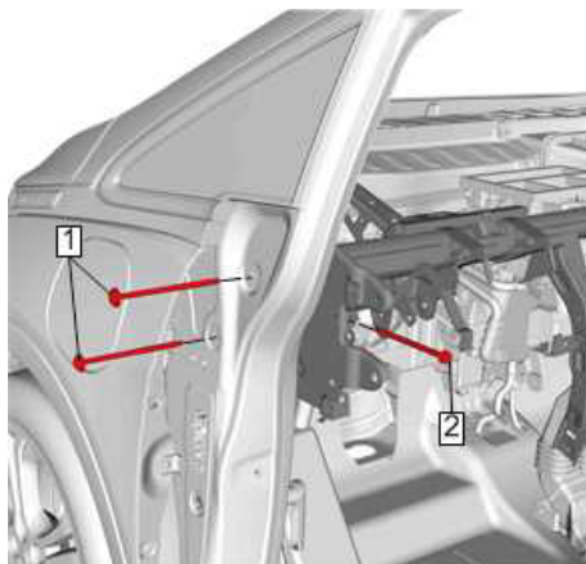


Fig. 83: Instrument Panel Tie Bar Bolt - Right Side
 Courtesy of GENERAL MOTORS COMPANY

8. Instrument Panel Bolt (1) - Install and tighten to 22 N.m (16 lb ft)
9. Instrument Panel Tie Bar Reinforcement Bolt (2) - Install and tighten to 22 N.m (16 lb ft)

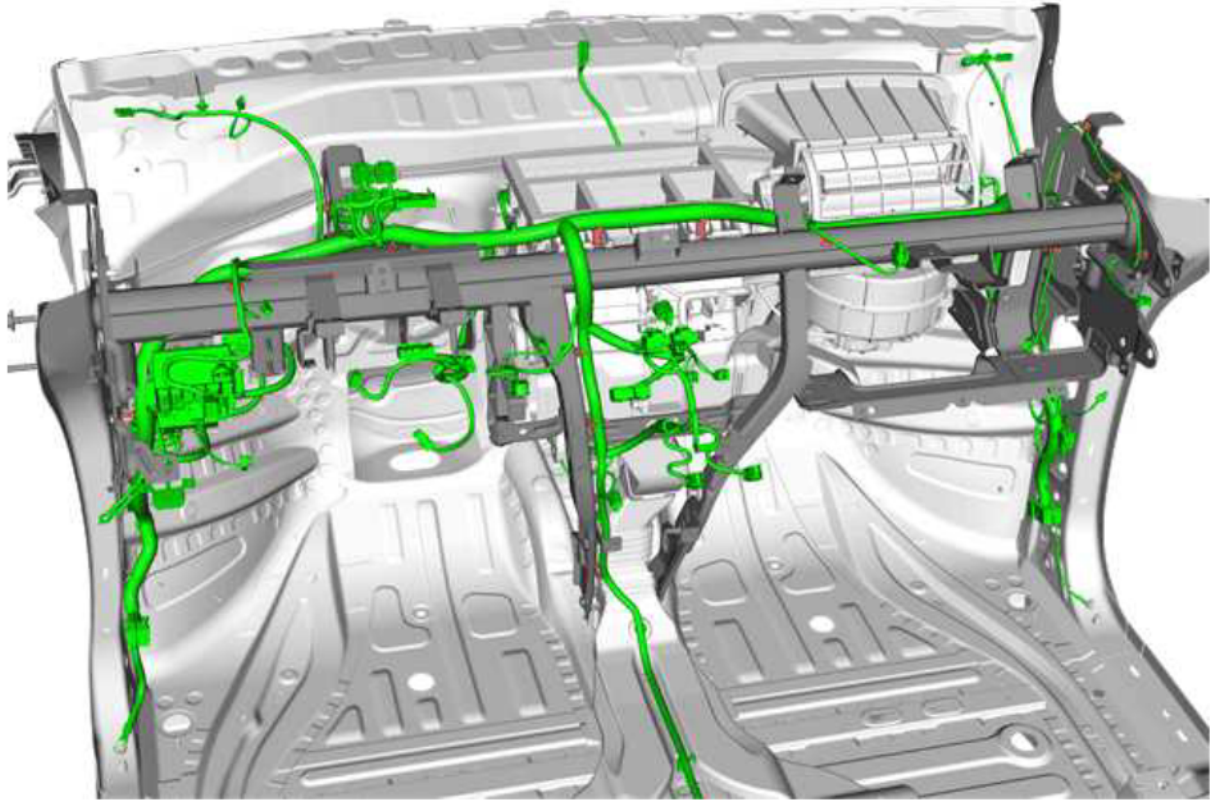


Fig. 84: Instrument Panel Wiring Harness
Courtesy of GENERAL MOTORS COMPANY

10. Attach the I/P wiring harness retaining clips to the Instrument Panel Tie Bar and connect all necessary electrical connectors.

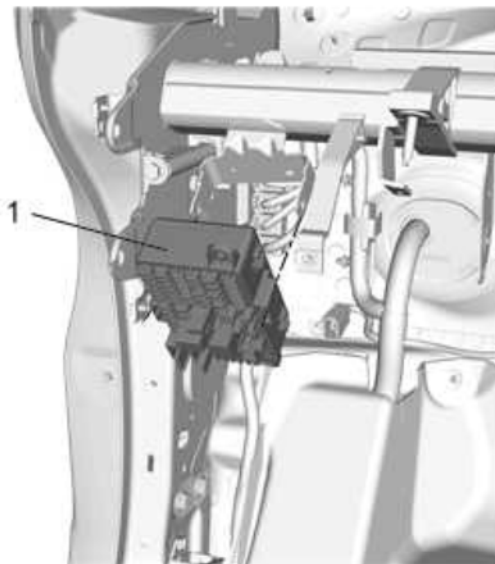


Fig. 85: Instrument Panel Wiring Harness Junction Block
Courtesy of GENERAL MOTORS COMPANY

11. Install the Instrument Panel Wiring Harness Junction Block (1) to the Instrument Panel Tie Bar and clip the head lamp harness to the block.

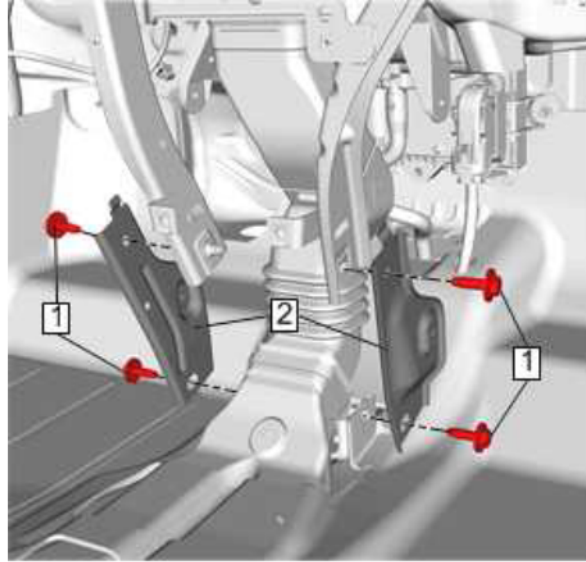


Fig. 86: Instrument Panel Tie Bar Brace Bolt
Courtesy of GENERAL MOTORS COMPANY

12. Instrument Panel Tie Bar Brace (2) - Install
13. Instrument Panel Tie Bar Brace Bolt (1) - 22 N.m (16 lb ft)
14. Clip the electrical harness to the brace.

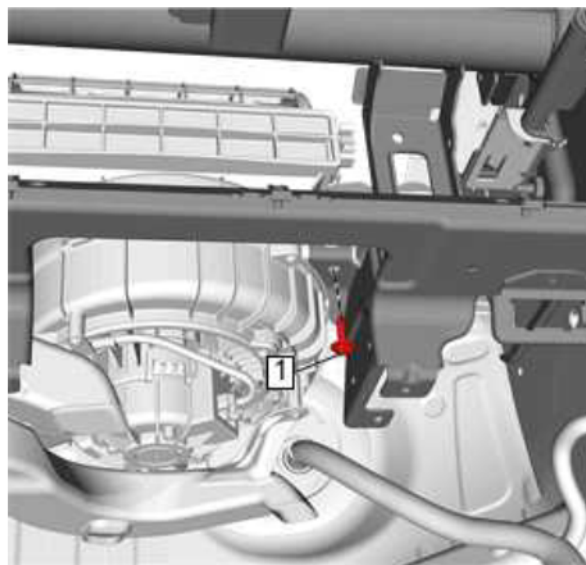


Fig. 87: Heater and Air Conditioning Evaporator and Blower Module Bolt
Courtesy of GENERAL MOTORS COMPANY

15. Heater and Air Conditioning Evaporator and Blower Module Bolt - Install and tighten to 5 N.m (44 lb in)

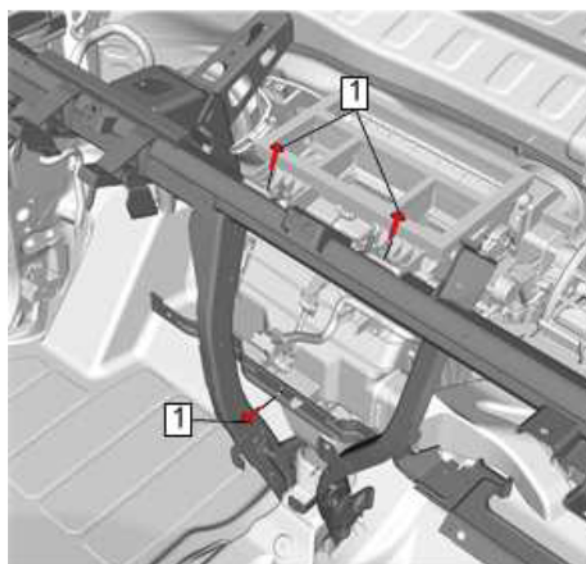


Fig. 88: Heater and Air Conditioning Evaporator Module Bolt
Courtesy of GENERAL MOTORS COMPANY

16. Heater and Air Conditioning Evaporator and Blower Module Bolt - Install and tighten to 5 N.m (44 lb in)

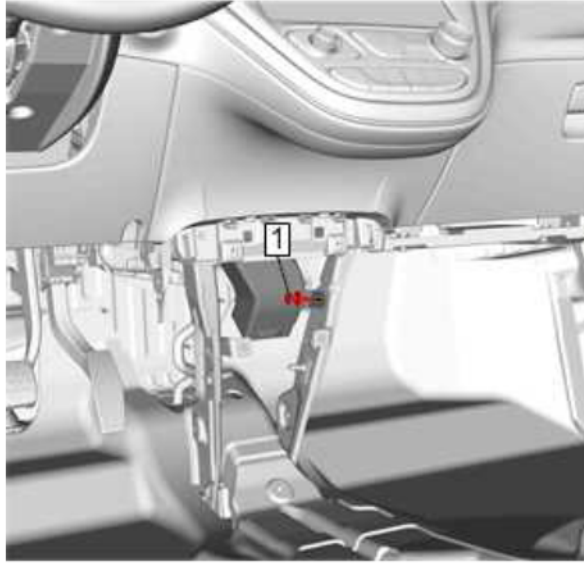


Fig. 89: Floor Front Air Outlet Duct Push Pin
Courtesy of GENERAL MOTORS COMPANY

17. Floor Front Air Outlet Duct Push Pin (1) - Install - **Floor Front Air Outlet Duct Replacement**

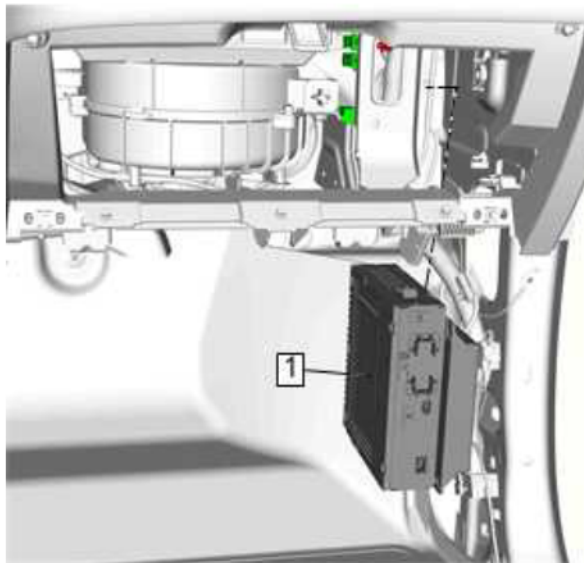


Fig. 90: Radio
Courtesy of GENERAL MOTORS COMPANY

18. Radio - Install - **Radio Replacement**

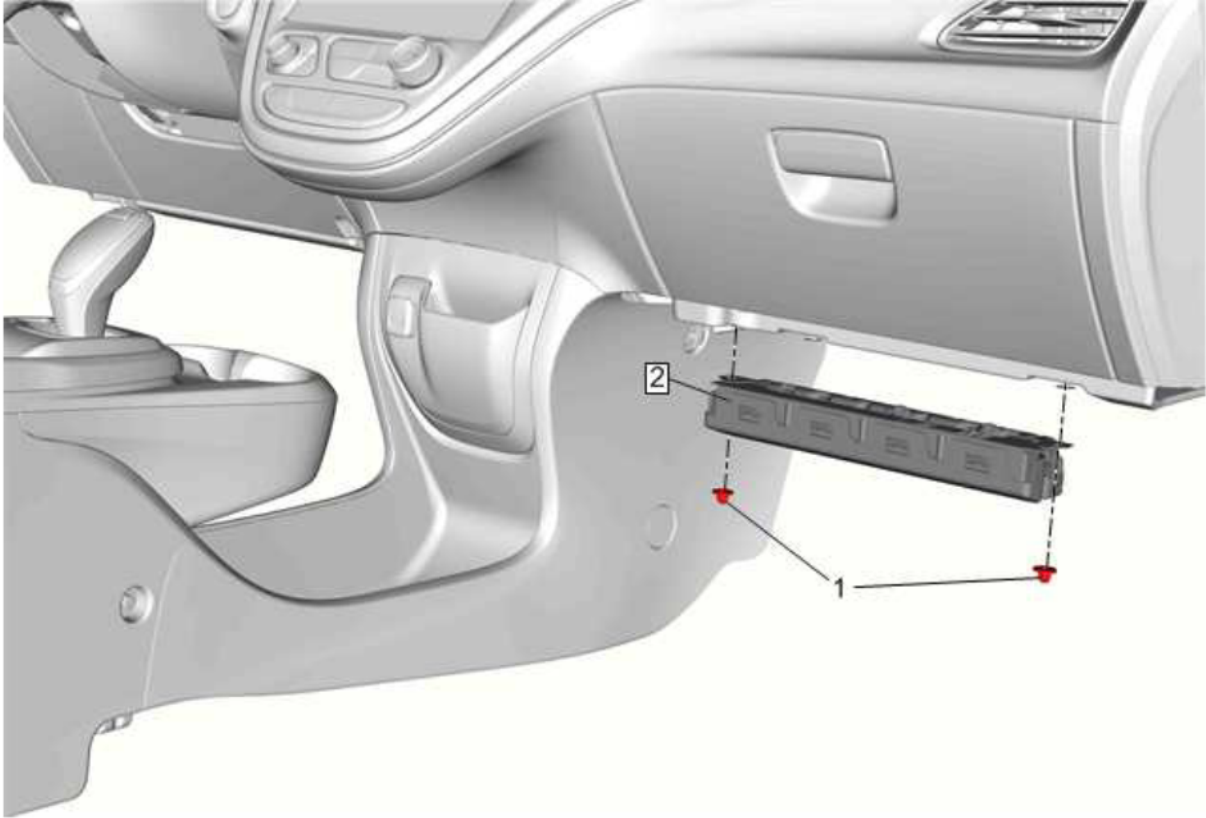


Fig. 91: Instrument Panel Lower Airbag - Passenger Side
 Courtesy of GENERAL MOTORS COMPANY

19. Instrument Panel Lower Airbag - Passenger Side - Install - **Instrument Panel Lower Airbag Replacement - Passenger Side**

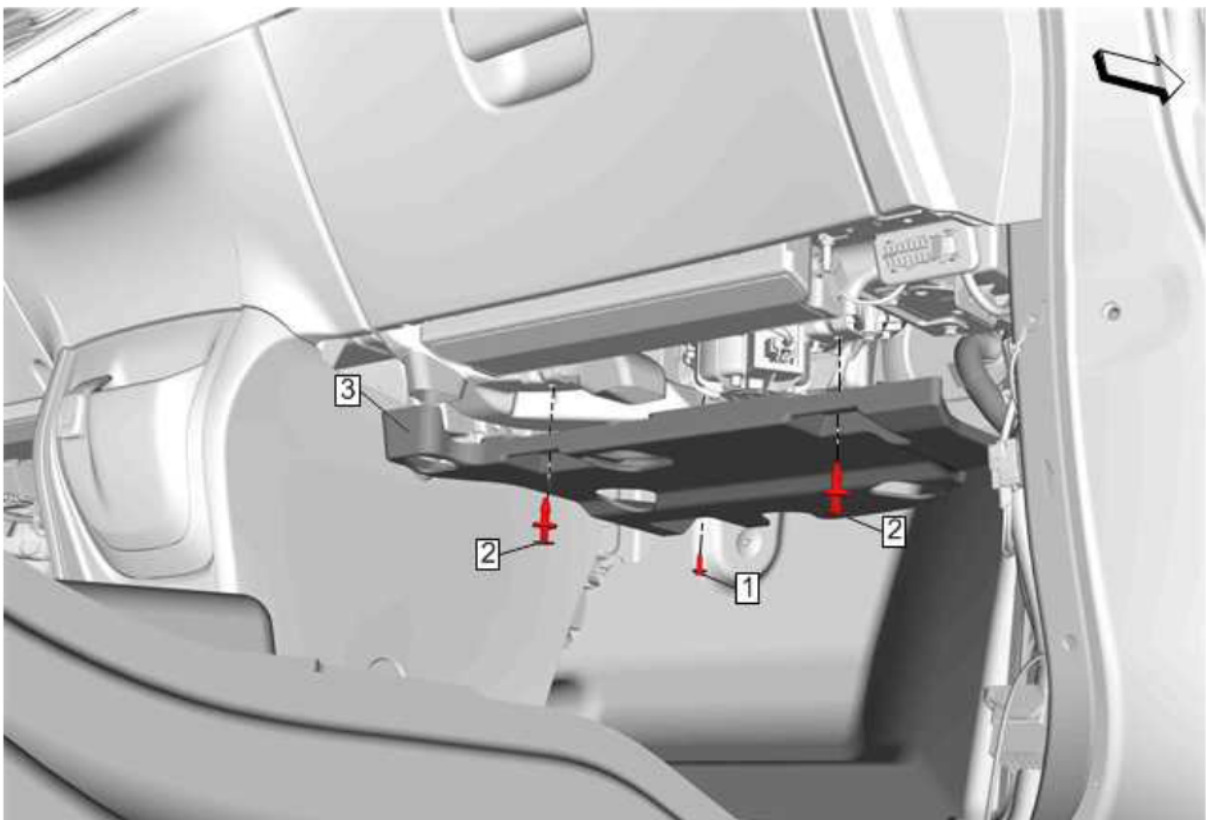


Fig. 92: Instrument Panel Lower Trim Panel Insulator
 Courtesy of GENERAL MOTORS COMPANY

20. Instrument Panel Lower Trim Panel Insulator - Install - **Instrument Panel Lower Trim Panel Insulator Replacement**

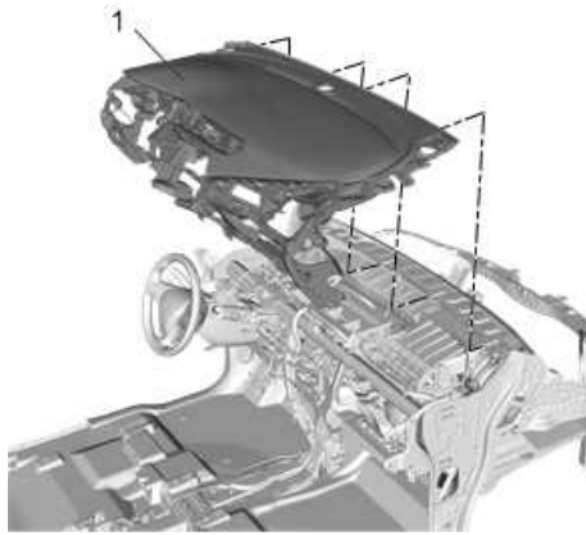


Fig. 93: Instrument Panel Assembly

Courtesy of GENERAL MOTORS COMPANY

21. Instrument Panel Assembly - Install - [Instrument Panel Assembly Replacement](#)

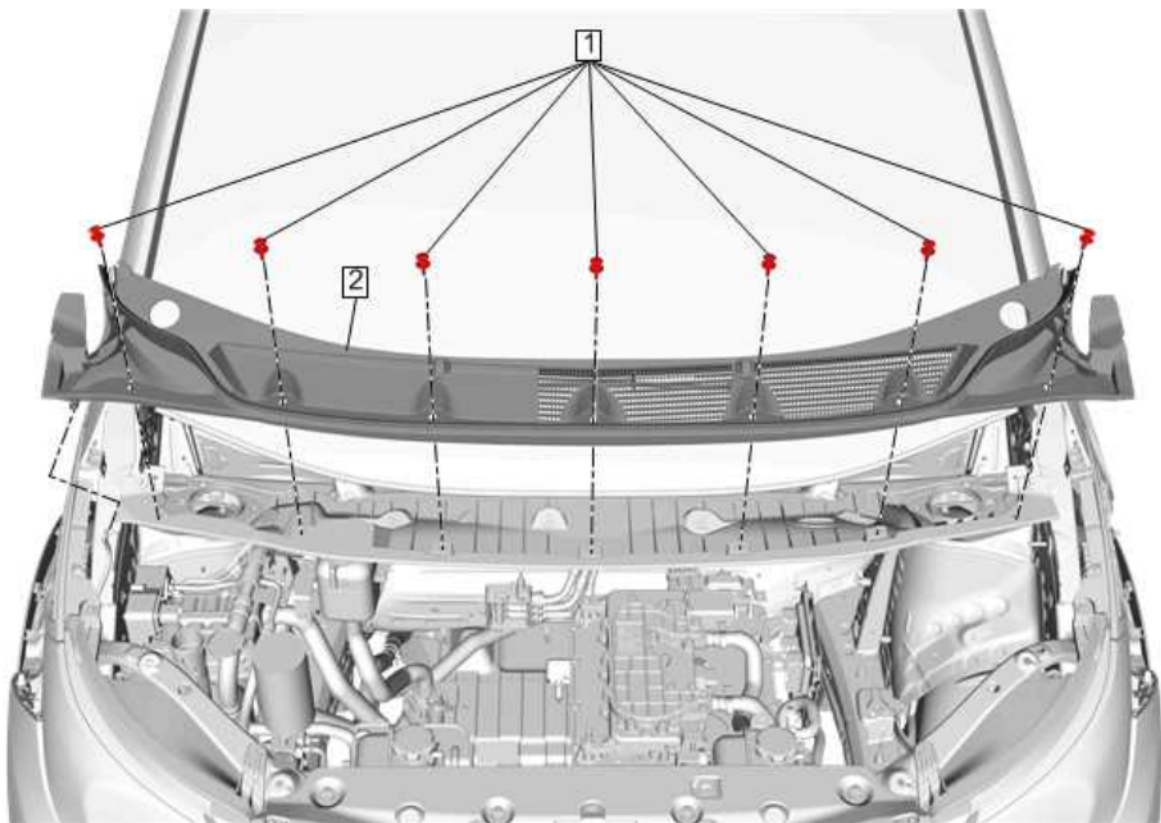


Fig. 94: Air Inlet Grille Panel

Courtesy of GENERAL MOTORS COMPANY

22. Air Inlet Grille Panel - Install - [Air Inlet Grille Panel Replacement](#)

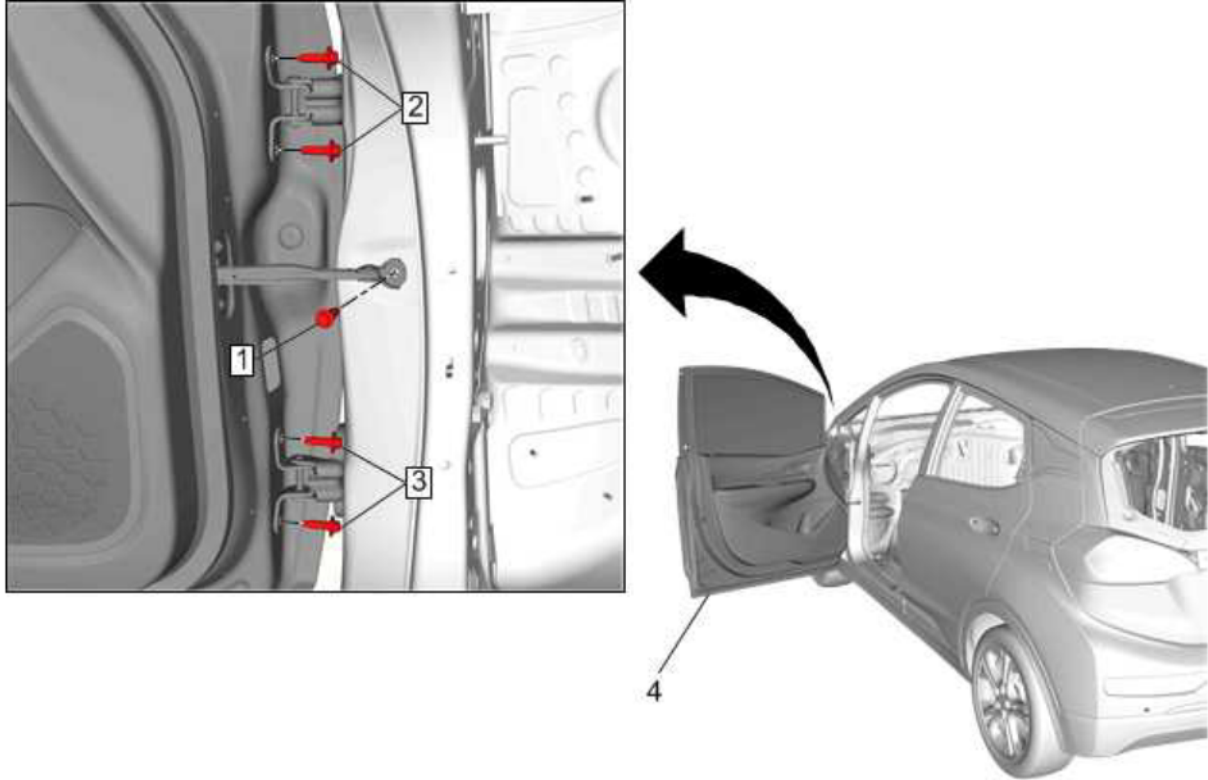


Fig. 95: Front Side Door

Courtesy of GENERAL MOTORS COMPANY

23. Front Side Door - Install - **Front Side Door Replacement**

FRONT FLOOR CONSOLE COMPARTMENT DIVIDER REPLACEMENT

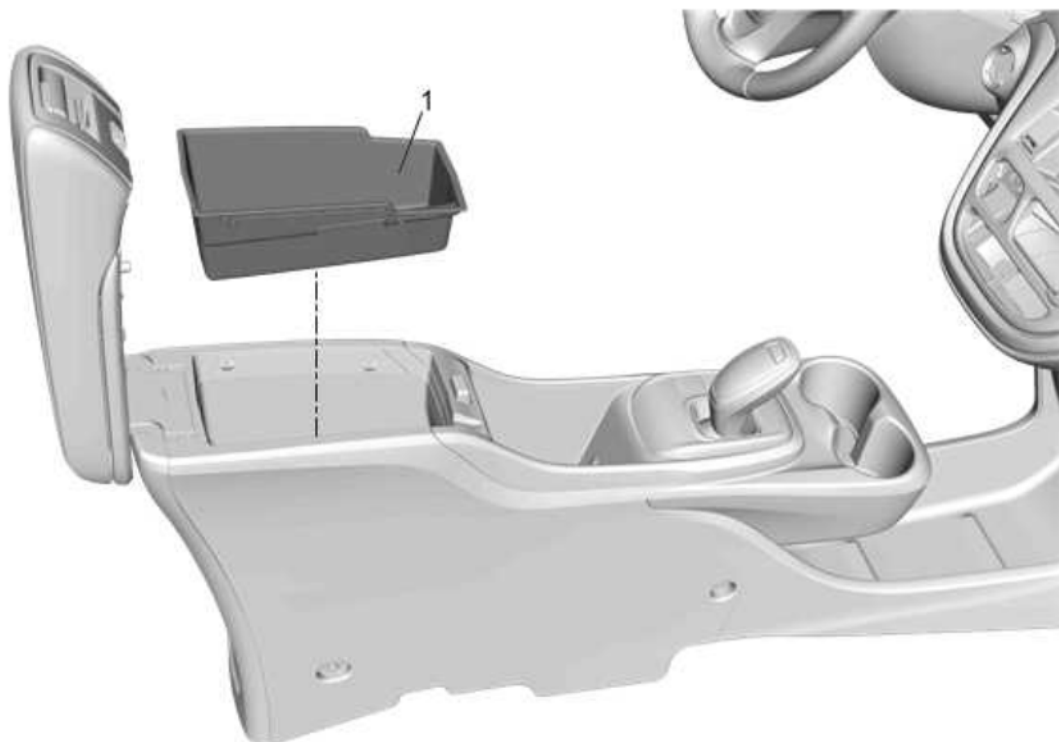


Fig. 96: Front Floor Console Compartment Divider

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Floor Console Compartment Divider

FRONT FLOOR CONSOLE COMPARTMENT TRIM PLATE REPLACEMENT

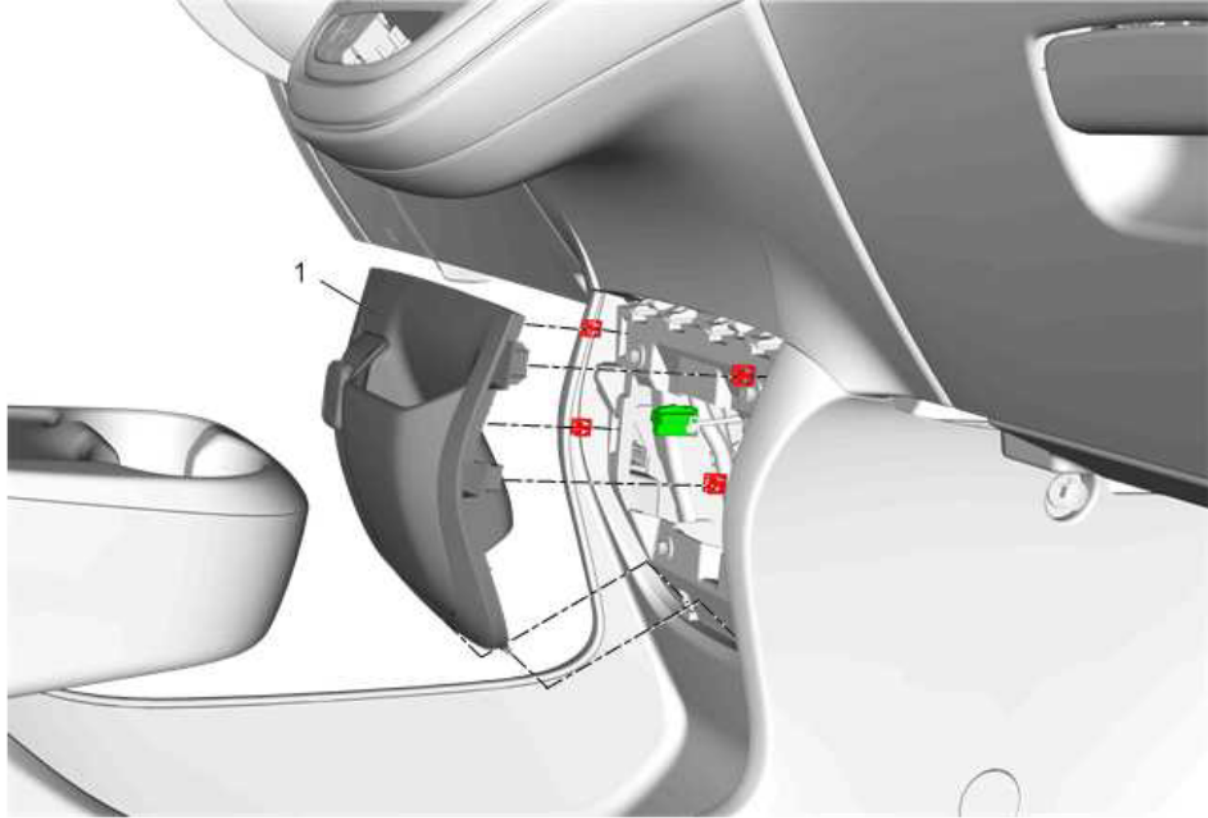


Fig. 97: Front Floor Console Compartment Trim Plate

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Floor Console Compartment Trim Plate
	Procedure 1. Use a flat bladed plastic trim tool. 2. Disconnect the electrical connector. 3. Transfer components as necessary.

FRONT FLOOR CONSOLE CUP HOLDER REPLACEMENT

Removal Procedure

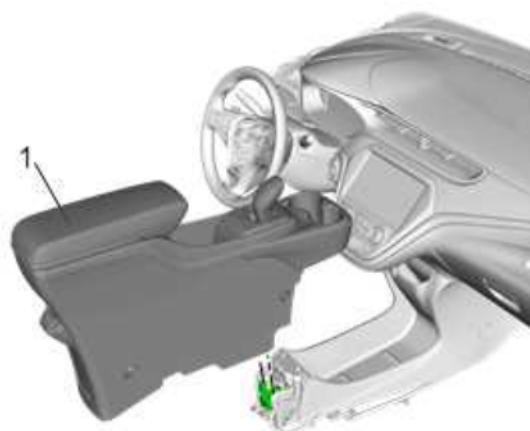


Fig. 98: Rear Floor Console

Courtesy of GENERAL MOTORS COMPANY

1. Rear Floor Console - Remove - [**Rear Floor Console Replacement**](#)

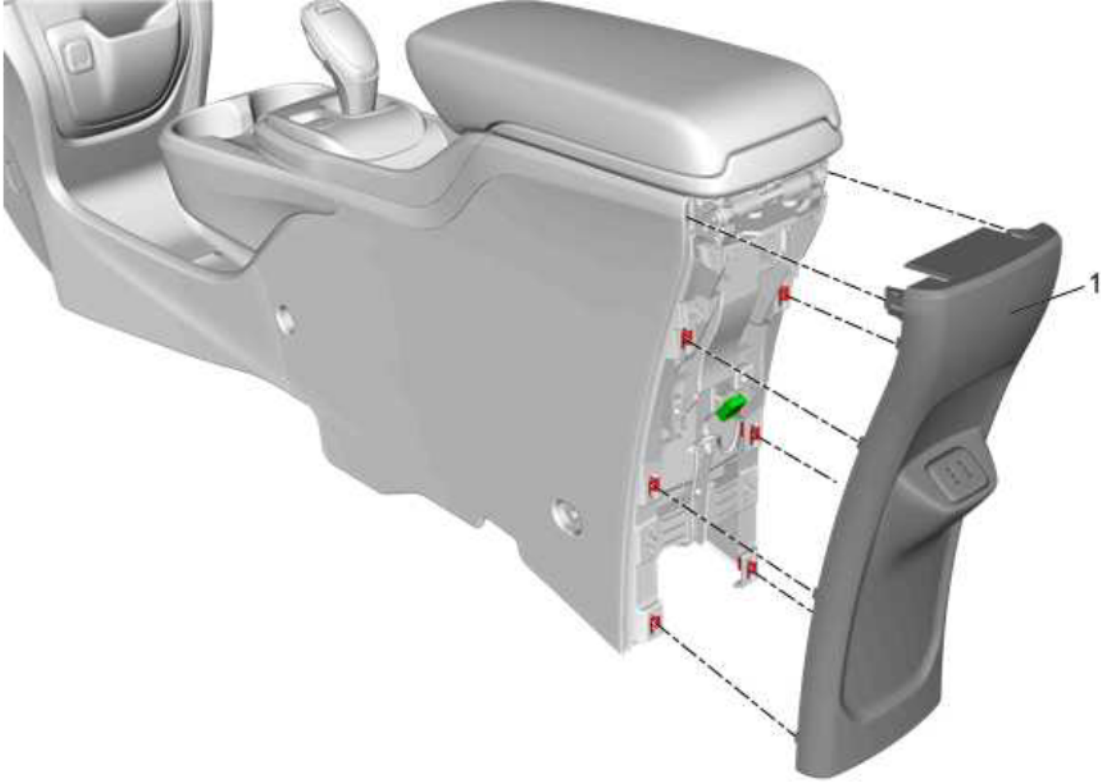


Fig. 99: Front Floor Console Rear Trim Panel

Courtesy of GENERAL MOTORS COMPANY

2. Front Floor Console Rear Trim Panel - Remove - **Front Floor Console Rear Trim Panel Replacement**

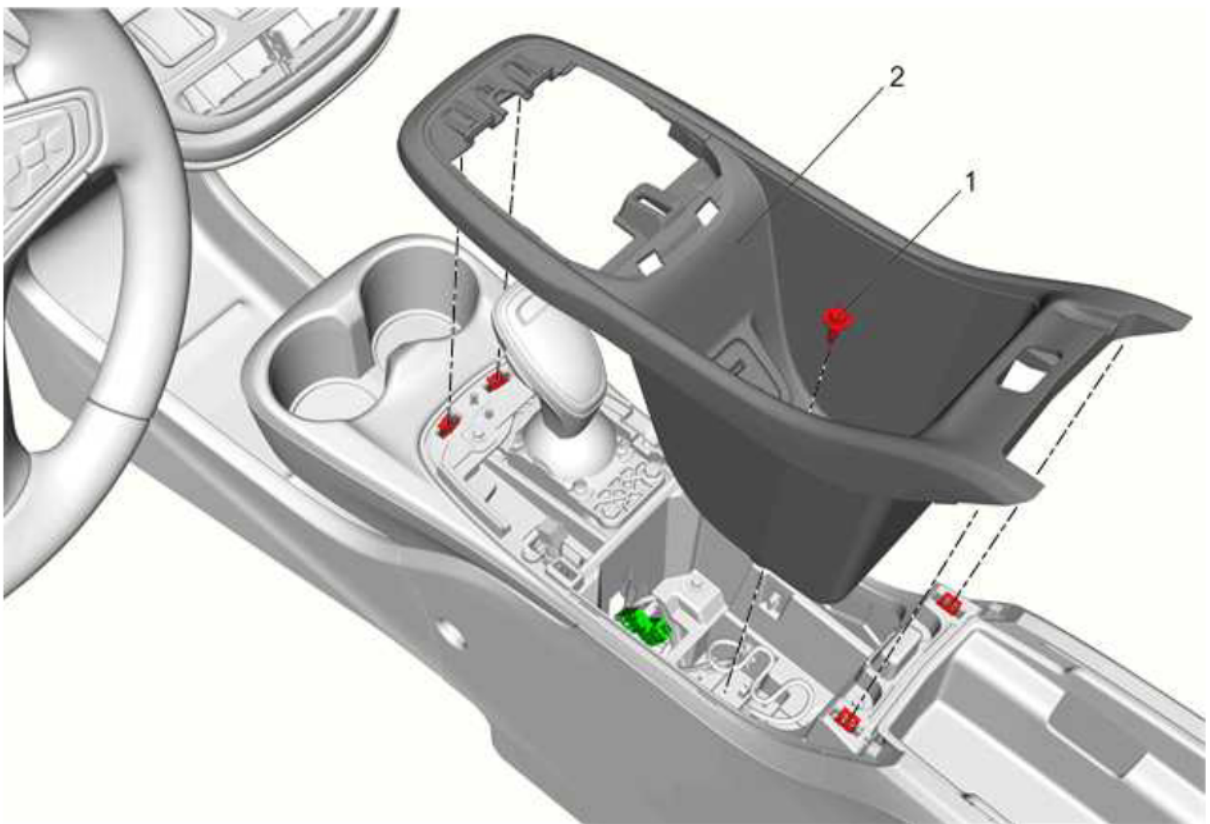


Fig. 100: Rear Floor Console Stowage Tray

Courtesy of GENERAL MOTORS COMPANY

3. Rear Floor Console Stowage Tray - Remove - **Rear Floor Console Stowage Tray Replacement (without K4C)****Rear Floor Console Stowage Tray Replacement (with K4C)**

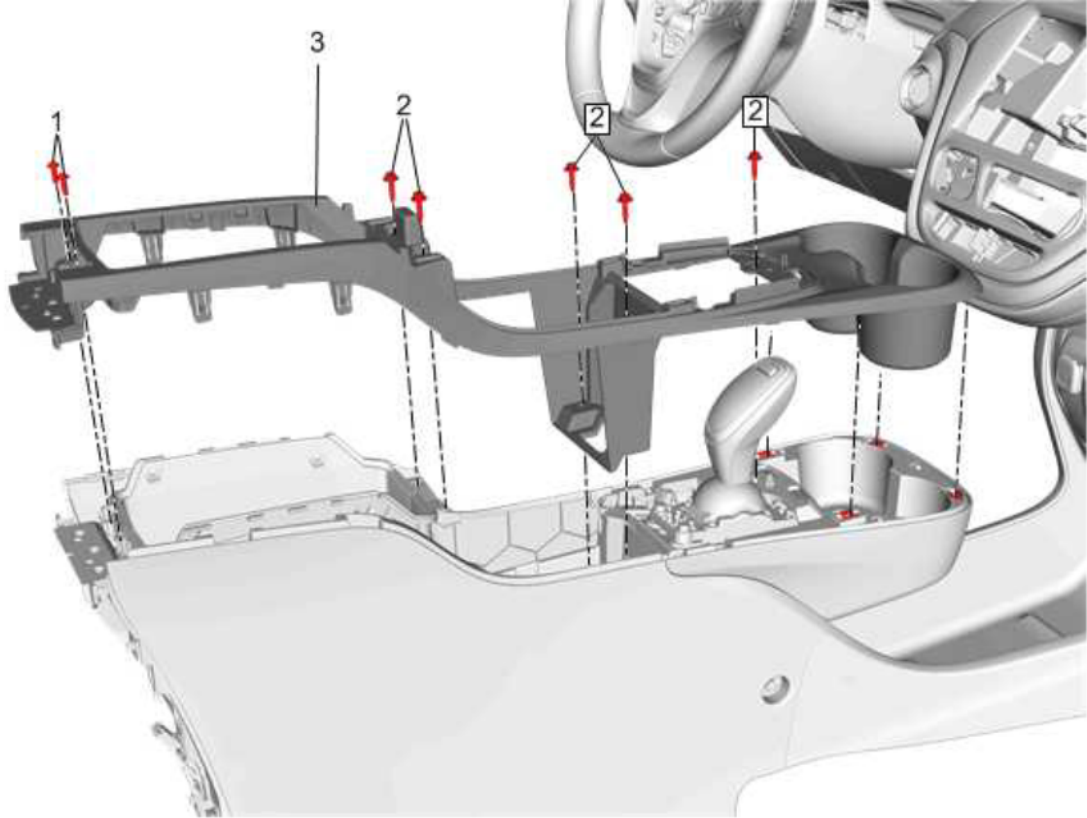


Fig. 101: Front Floor Console Cup Holder Trim Plate

Courtesy of GENERAL MOTORS COMPANY

4. Front Floor Console Cup Holder Trim Plate - Remove - **Front Floor Console Cup Holder Trim Plate Replacement**

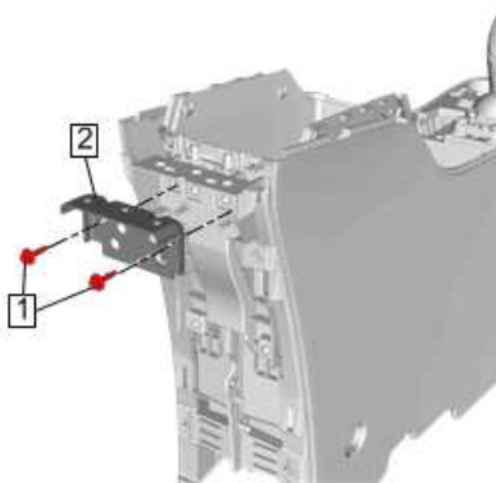


Fig. 102: Armrest Hinge Reinforce Assembly-No. 1 Bolt

Courtesy of GENERAL MOTORS COMPANY

5. Armrest Hinge Reinforce Assembly-No. 1, Bolt - Remove
6. Armrest Hinge Reinforce Assembly-No. 1 - Remove

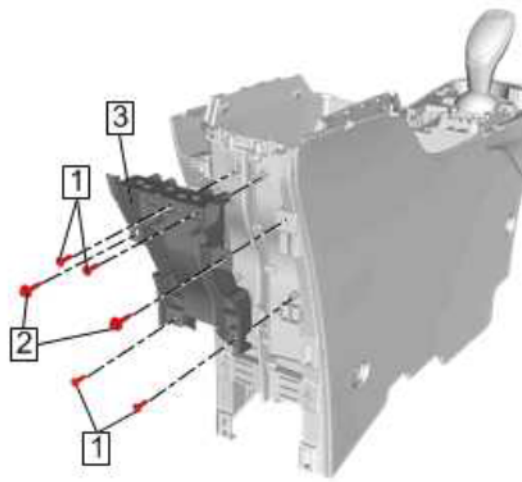


Fig. 103: Armrest Hinge Reinforce Assembly-No. 2 Screw
Courtesy of GENERAL MOTORS COMPANY

7. Armrest Hinge Reinforce Assembly-No. 2, Screw - Remove
8. Armrest Hinge Reinforce Assembly-No. 2, Bolt - Remove
9. Armrest Hinge Reinforce Assembly-No. 2 - Remove

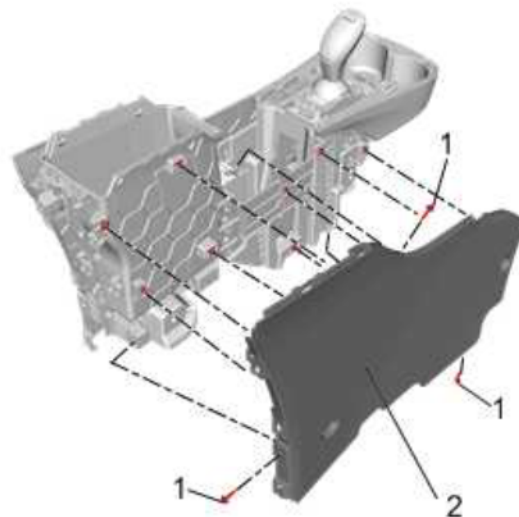


Fig. 104: Rear Console Side Panel Bolt
Courtesy of GENERAL MOTORS COMPANY

10. Rear Console Side Panel Bolt - Remove
11. Rear Console Side Panel-Right - Remove

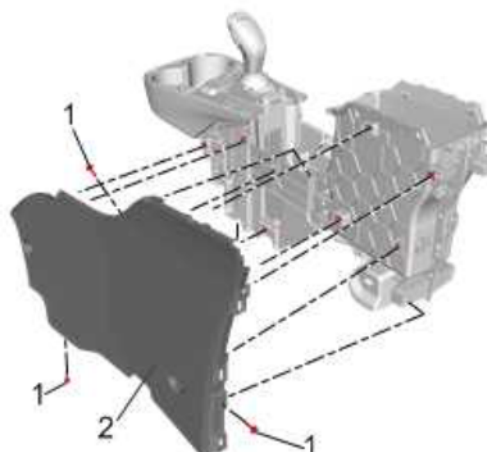


Fig. 105: Rear Console Side Panel Bolt
Courtesy of GENERAL MOTORS COMPANY

12. Rear Console Side Panel Bolt - Remove
13. Rear Console Side Panel-Left - Remove

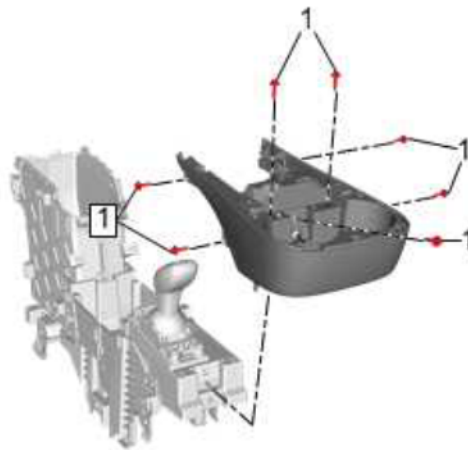


Fig. 106: Front Floor Console Cup Holder Bolt
Courtesy of GENERAL MOTORS COMPANY

14. Front Floor Console Cup Holder Bolt - Remove



Fig. 107: Front Floor Console Cup Holder
Courtesy of GENERAL MOTORS COMPANY

NOTE: Integral retainers will most likely be damaged when cup holder is removed, but damage dose not matter since fasteners secure the cup holder.

15. Release the two integral retainers (1) and pull the cup holder (2) forward to release it.
16. Front Floor Console Cup Holder - Remove

Installation Procedure

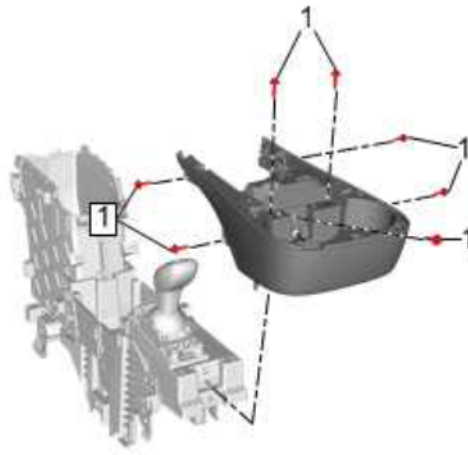


Fig. 108: Front Floor Console Cup Holder Bolt
 Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to **Fastener Caution**

1. Front Floor Console Cup Holder - Install
2. Front Floor Console Cup Holder Bolt Install and tighten to 3 N.m (27 lb in)

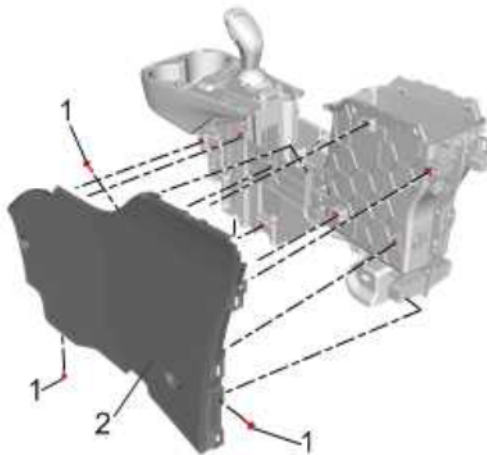


Fig. 109: Rear Console Side Panel Bolt
 Courtesy of GENERAL MOTORS COMPANY

3. Rear Console Side Panel (2) -Left - Install
4. Rear Console Side Panel Bolt (1) Install and tighten to 3 N.m (27 lb in)

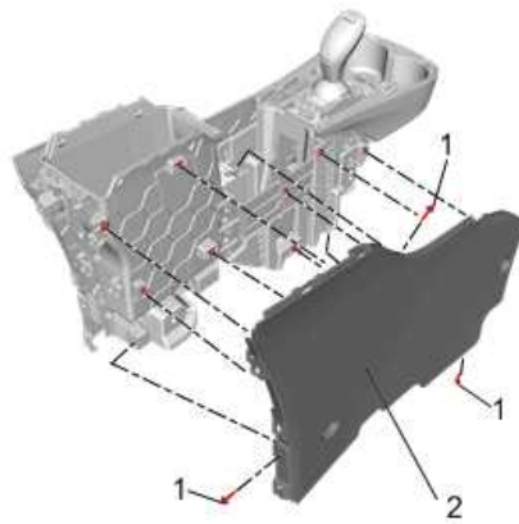


Fig. 110: Rear Console Side Panel Bolt
Courtesy of GENERAL MOTORS COMPANY

5. Rear Console Side Panel (2) -Right - Install
6. Rear Console Side Panel Bolt (1) Install and tighten to 3 N.m (27 lb in)

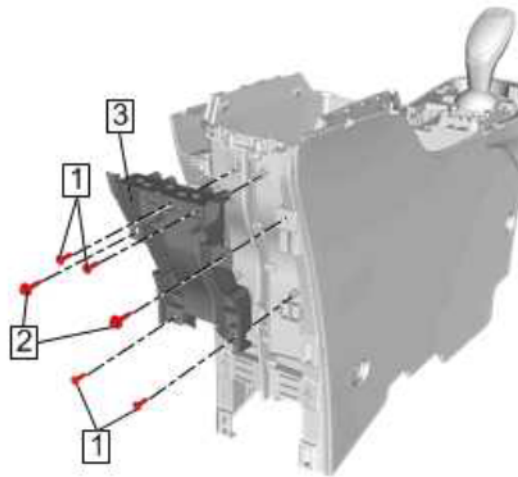


Fig. 111: Armrest Hinge Reinforce Assembly-No. 2 Screw
Courtesy of GENERAL MOTORS COMPANY

7. Armrest Hinge Reinforce Assembly-No. 2 (3) - Install
8. Armrest Hinge Reinforce Assembly-No. 2, Bolt (2) Install and tighten to 3 N.m (27 lb in)
9. Armrest Hinge Reinforce Assembly-No. 2, Screw (1) Install and tighten to 2 N.m (18 lb in)

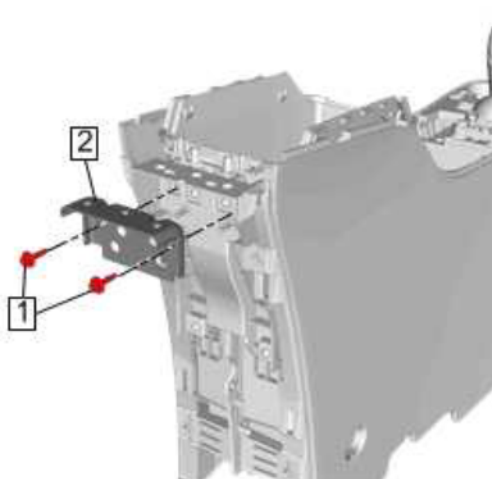


Fig. 112: Armrest Hinge Reinforce Assembly-No. 1 Bolt
Courtesy of GENERAL MOTORS COMPANY

10. Armrest Hinge Reinforce Assembly-No. 1 - Install
11. Armrest Hinge Reinforce Assembly-No. 1, Bolt - Install and tighten to 3 N.m (27 lb in)

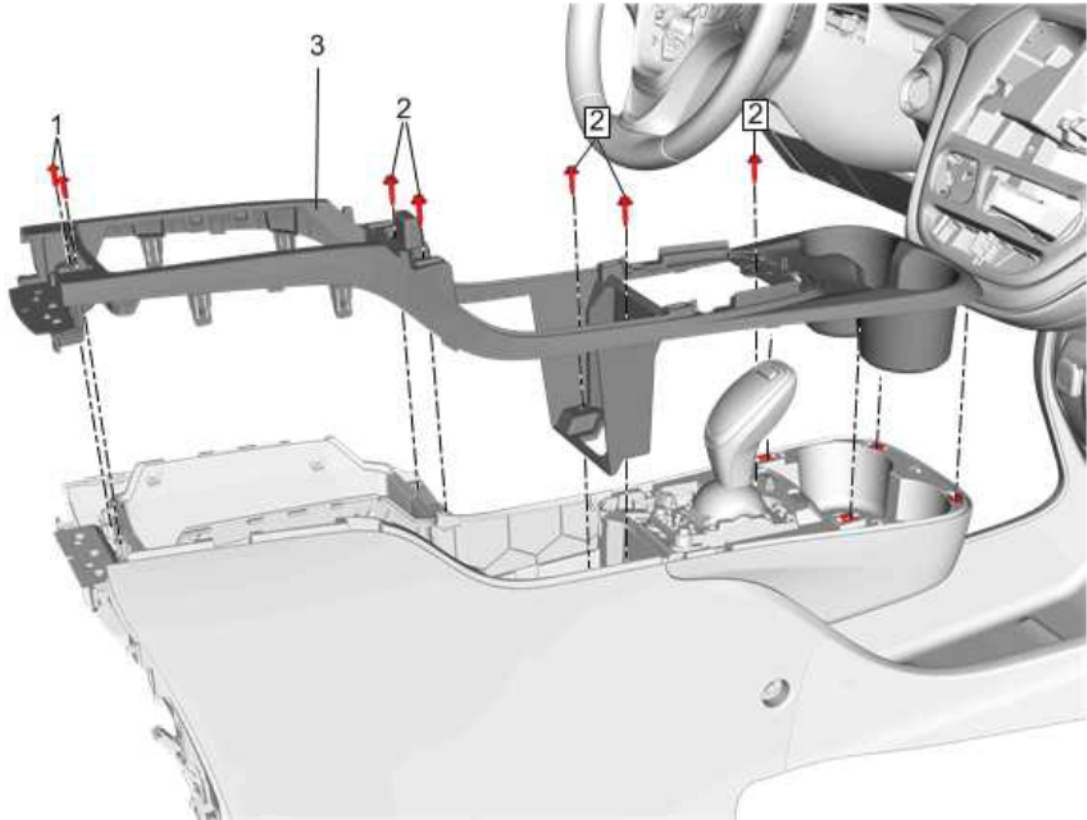


Fig. 113: Front Floor Console Cup Holder Trim Plate
Courtesy of GENERAL MOTORS COMPANY

12. Front Floor Console Cup Holder Trim Plate (3) - Install - **Front Floor Console Cup Holder Trim Plate Replacement**

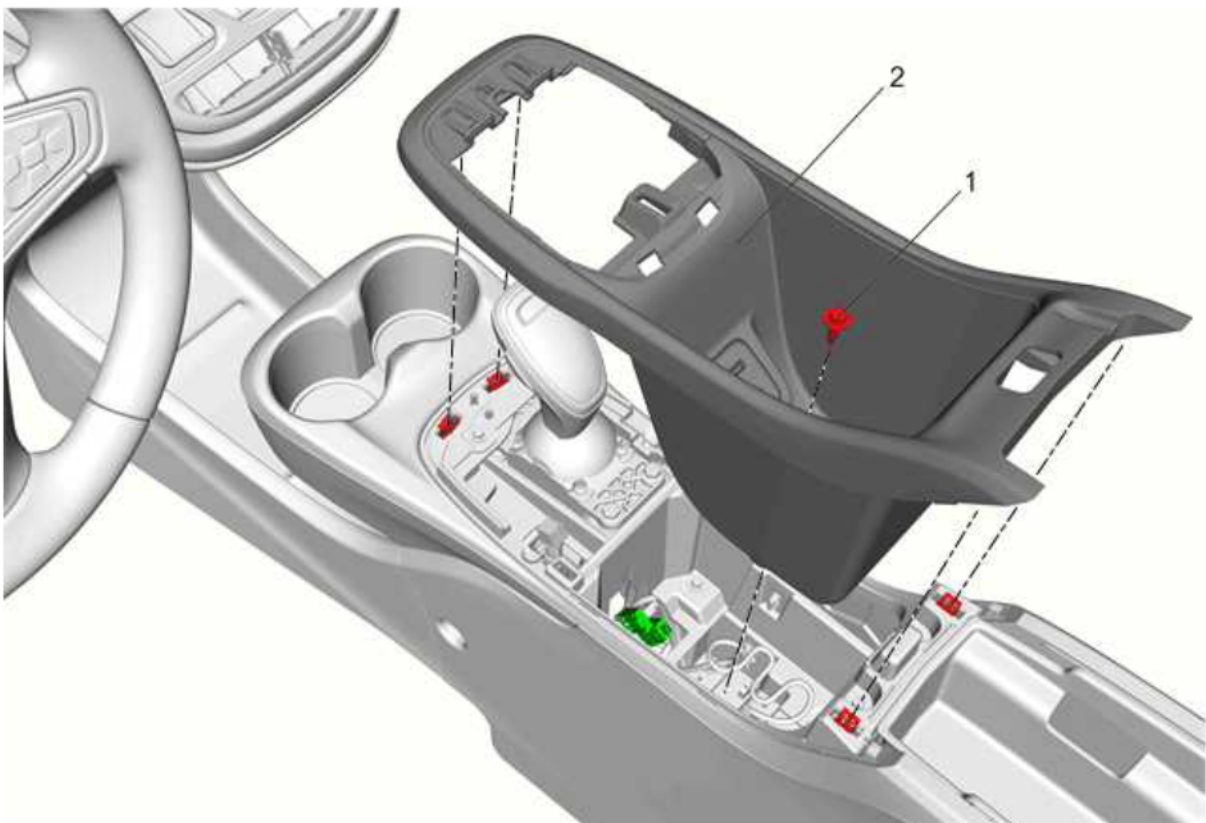


Fig. 114: Rear Floor Console Stowage Tray
Courtesy of GENERAL MOTORS COMPANY

13. Rear Floor Console Stowage Tray (2) - Install - [Rear Floor Console Stowage Tray Replacement \(without K4C\)](#)[Rear Floor Console Stowage Tray Replacement \(with K4C\)](#)

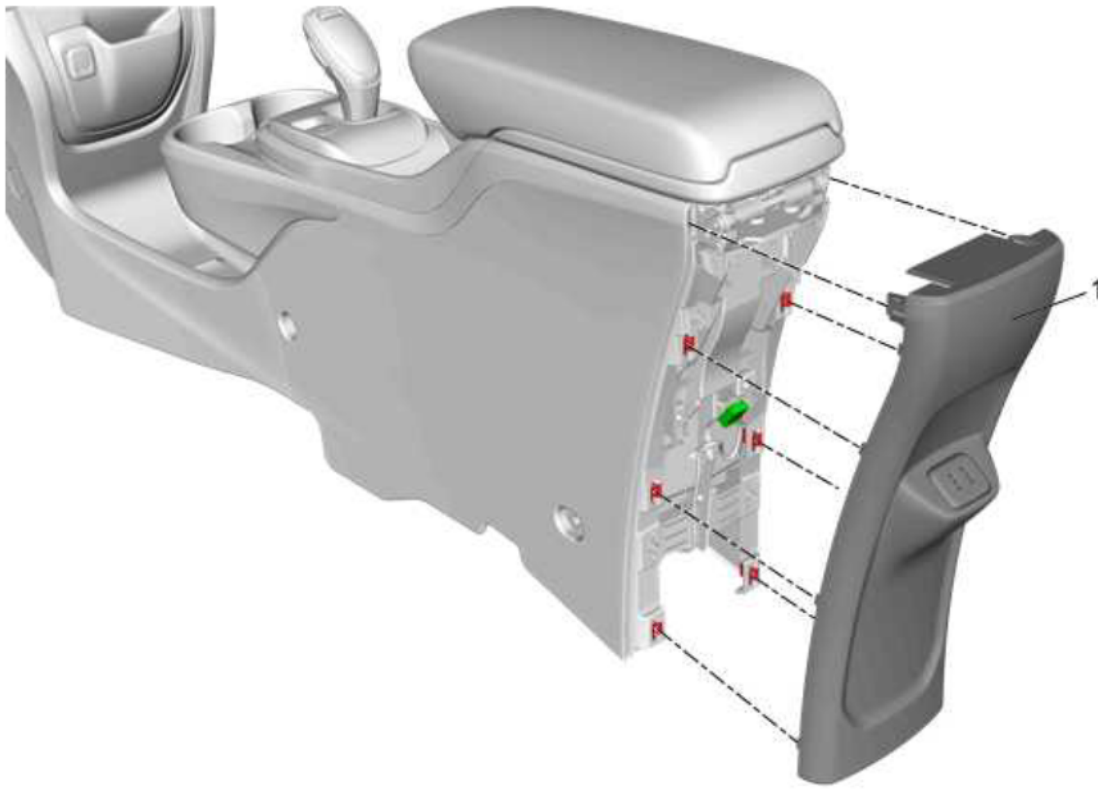


Fig. 115: Front Floor Console Rear Trim Panel
Courtesy of GENERAL MOTORS COMPANY

14. Front Floor Console Rear Trim Panel - Install - [Front Floor Console Rear Trim Panel Replacement](#)

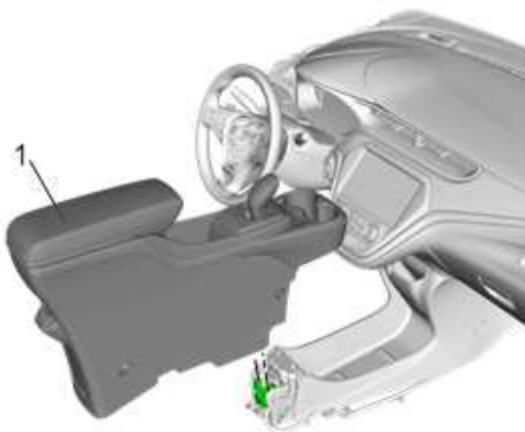


Fig. 116: Rear Floor Console
Courtesy of GENERAL MOTORS COMPANY

15. Rear Floor Console - Install - [Rear Floor Console Replacement](#)

FRONT FLOOR CONSOLE REAR STOWAGE LINER REPLACEMENT (WITHOUT K4C)

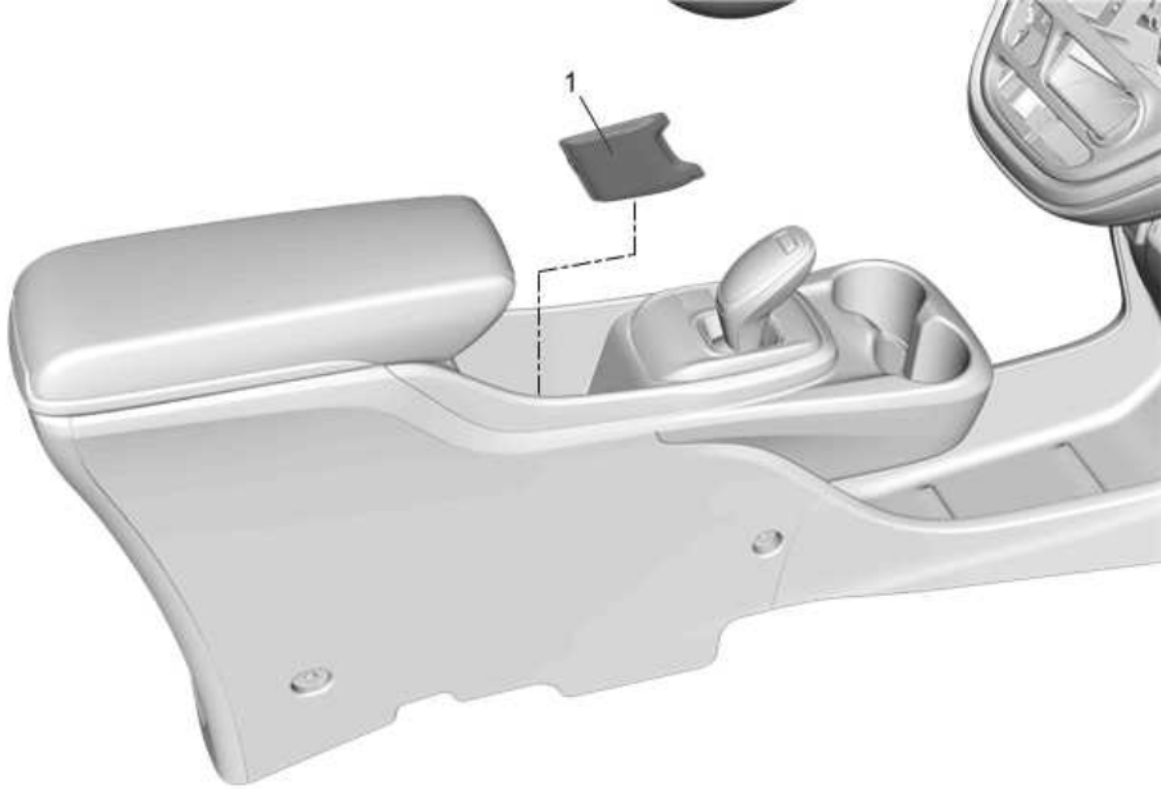


Fig. 117: Front Floor Console Rear Stowage Liner (without K4C)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Floor Console Rear Stowage Liner

FRONT FLOOR CONSOLE REAR STOWAGE LINER REPLACEMENT (WITH K4C)

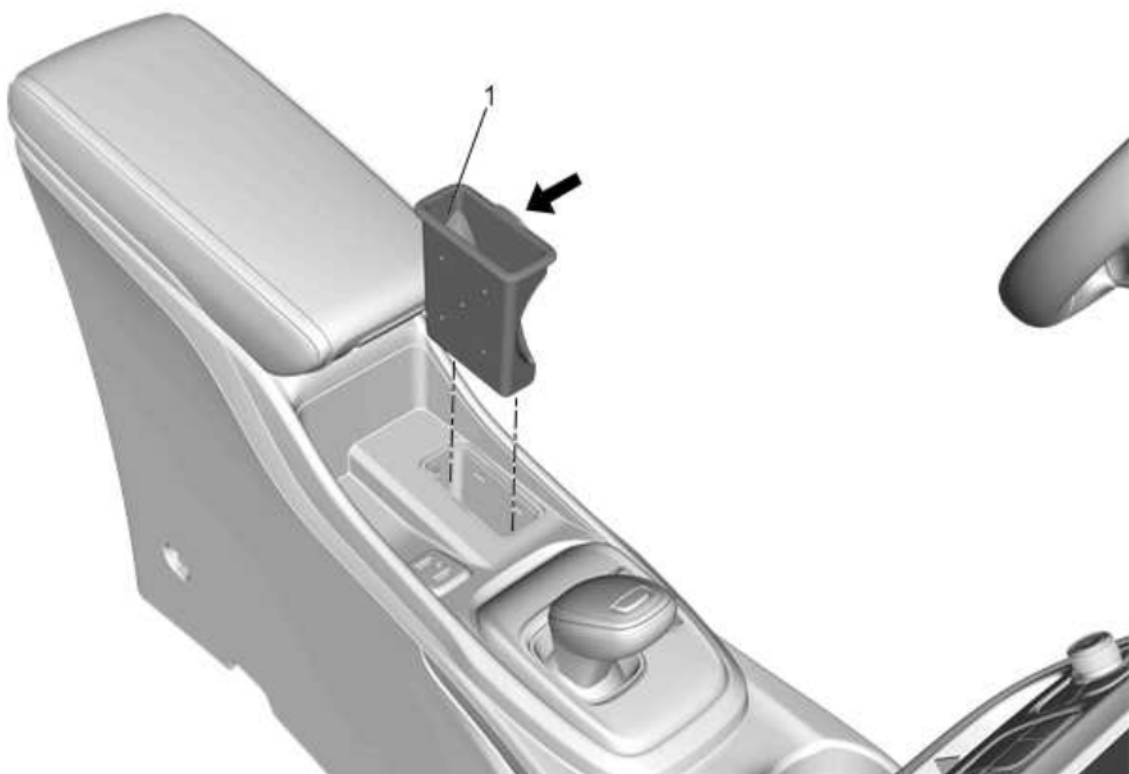


Fig. 118: Front Floor Console Rear Stowage Liner (with K4C)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name

Callout	Component Name
1	Front Floor Console Rear Stowage Liner Procedure Push the upper left side of the stowage liner and slide it upward.

FRONT FLOOR CONSOLE COMPARTMENT LINER REPLACEMENT

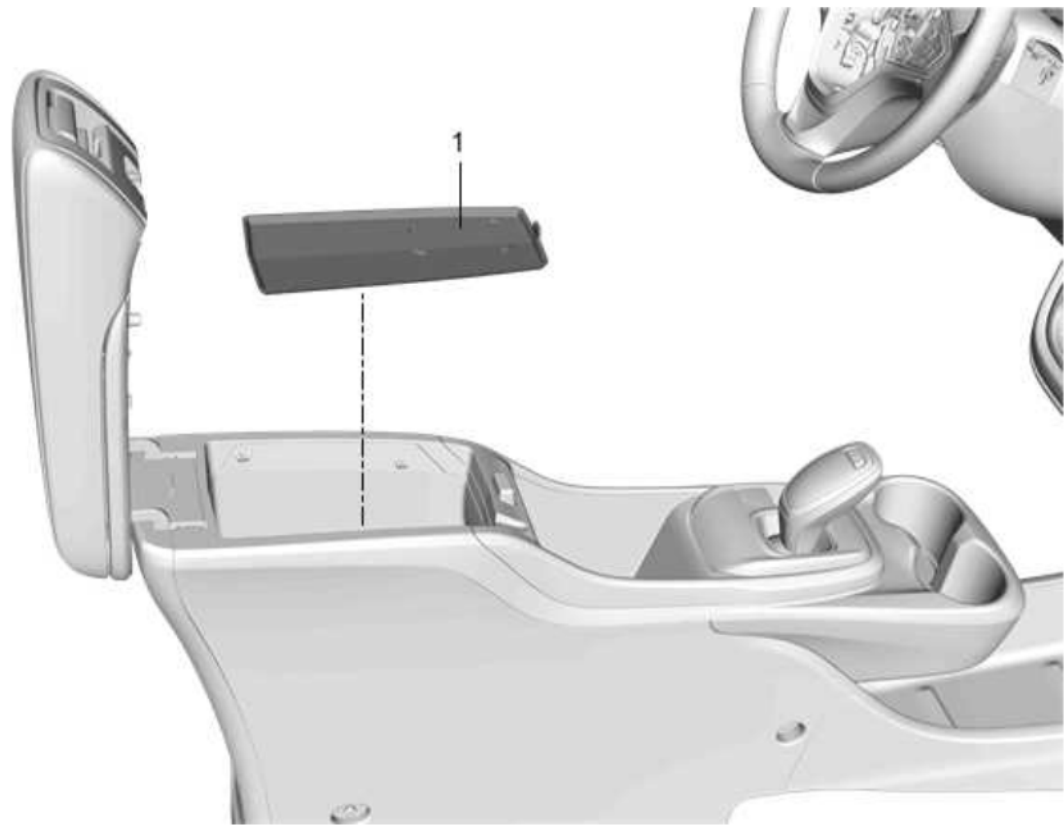


Fig. 119: Front Floor Console Compartment Liner
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Front Floor Console Compartment Divider Replacement	
1	Front Floor Console Compartment Liner

FRONT FLOOR CONSOLE REAR TRIM PANEL REPLACEMENT

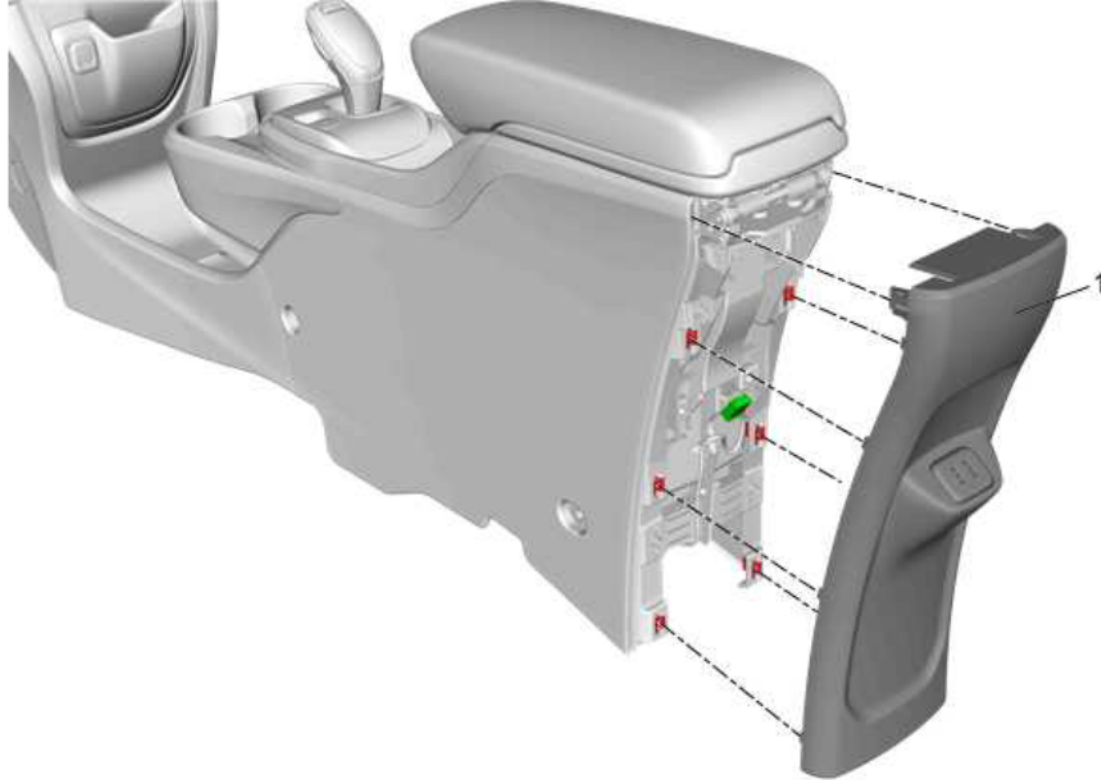


Fig. 120: Front Floor Console Rear Trim Panel
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
1	Front Floor Console Rear Trim Panel
	Procedure 1. Use a flat bladed plastic trim tool. 2. Disconnect the electrical connector, if equipped. 3. Transfer components as necessary, USB if equipped.

FRONT FLOOR CONSOLE CUP HOLDER TRIM PLATE REPLACEMENT

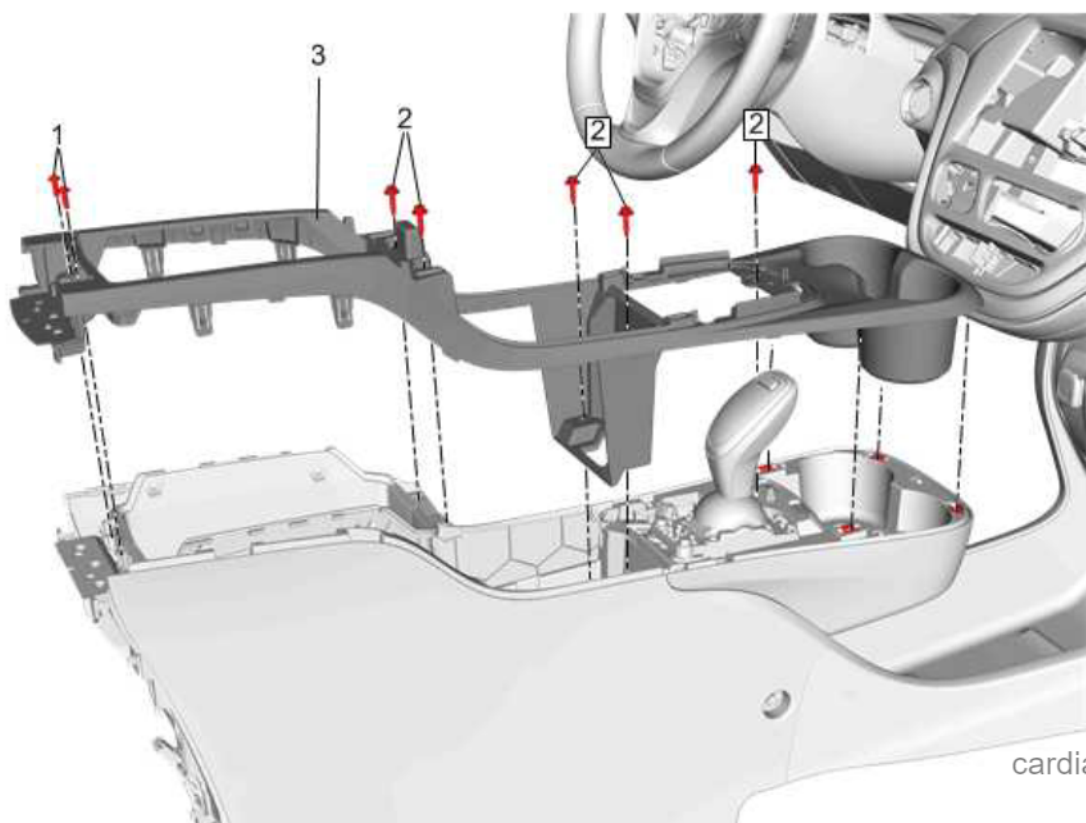


Fig. 121: Front Floor Console Cup Holder Trim Plate
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedures <u>Front Floor Console Armrest Replacement</u> <u>Front Floor Console Trim Plate Replacement</u> <u>Rear Floor Console Stowage Tray Replacement (without K4C)</u><u>Rear Floor Console Stowage Tray Replacement (with K4C)</u>	
1	Front Floor Console Cup Holder Trim Plate Screw (Qty: 2) CAUTION: Refer to <u>Fastener Caution</u> . Tighten 2.5 N.m (22 lb in)
2	Front Floor Console Cup Holder Trim Plate Bolt (Qty: 5) Tighten 3 N.m (27 lb in)
3	Front Floor Console Cup Holder Trim Plate Procedure Use a plastic trim tool if necessary.

FRONT FLOOR CONSOLE REPLACEMENT

Removal Procedure

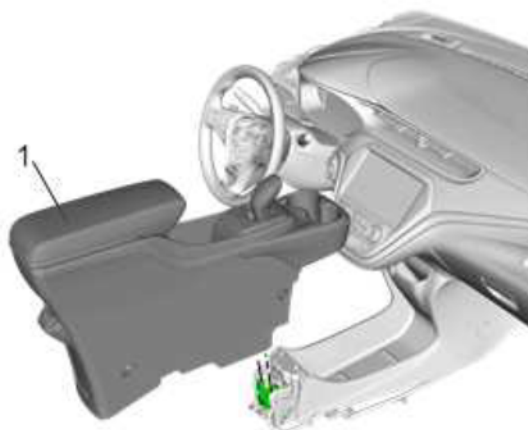


Fig. 122: Rear Floor Console
 Courtesy of GENERAL MOTORS COMPANY

- Rear Floor Console - Remove - **Rear Floor Console Replacement**

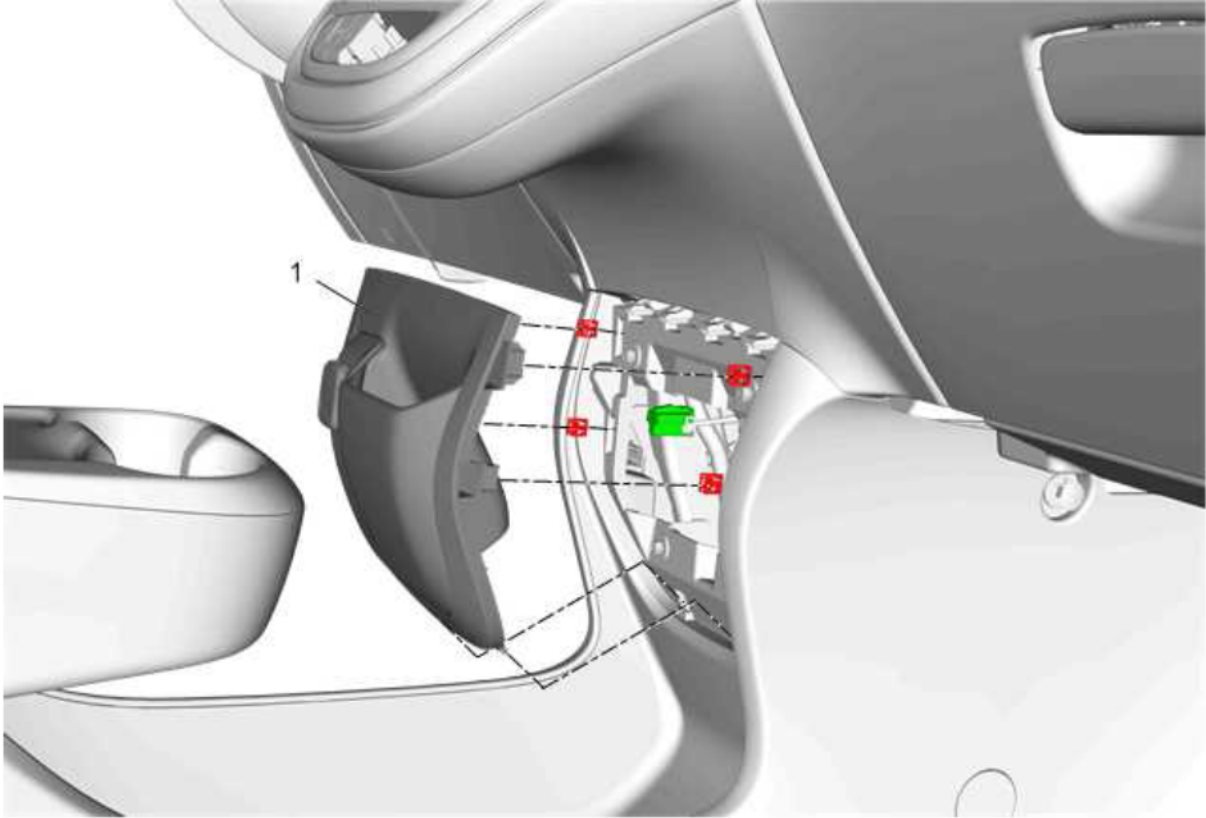


Fig. 123: Front Floor Console Compartment Trim Plate

Courtesy of GENERAL MOTORS COMPANY

2. Front Floor Console Compartment Trim Plate - Remove - **Front Floor Console Compartment Trim Plate Replacement**

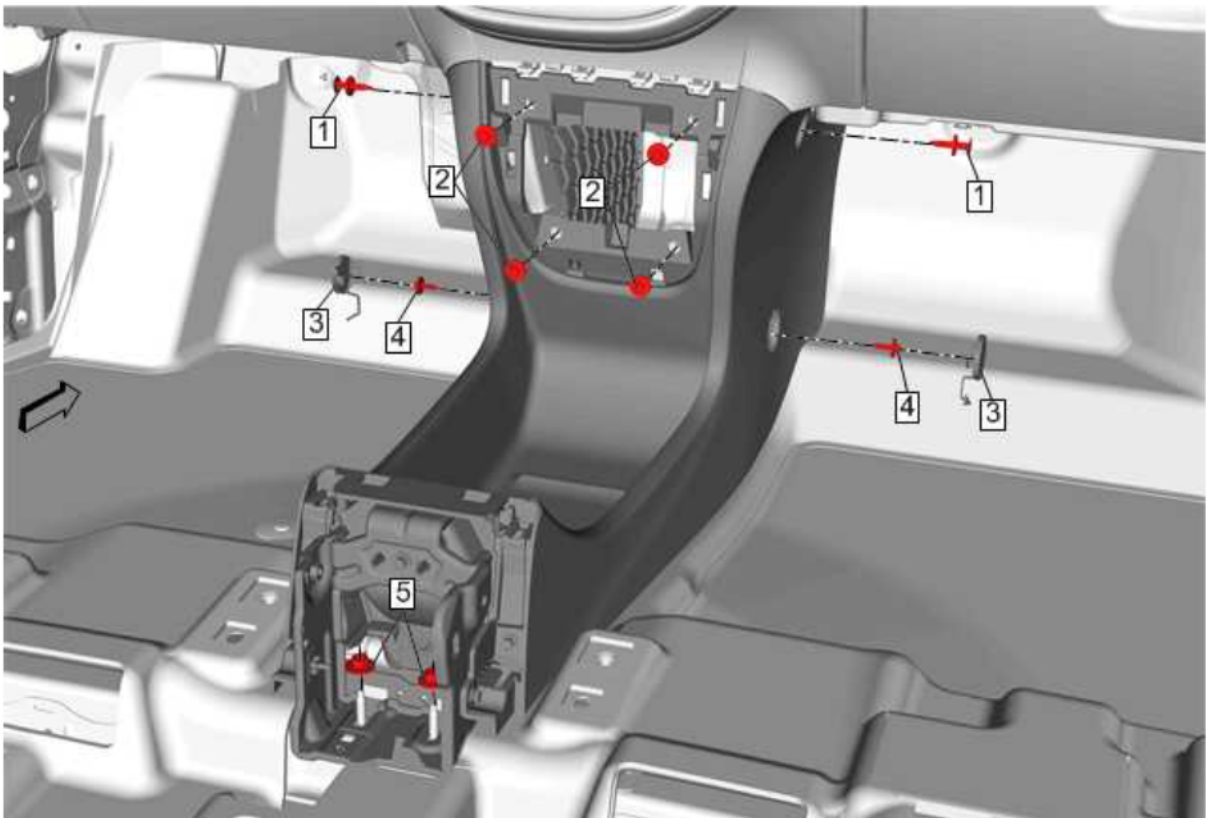


Fig. 124: Front Floor Console Clip, Bolt, Cap, Nut

Courtesy of GENERAL MOTORS COMPANY

3. Clip (1) (Qty: 2) - Remove
4. Front Floor Console Bolt (2) (Qty: 4) - Remove
5. Front Floor Console Cap (3) (Qty: 2) - Remove
6. Front Floor Console Bolt (4) (Qty: 2) - Remove
7. Front Floor Console Nut (5) (Qty: 2) - Remove

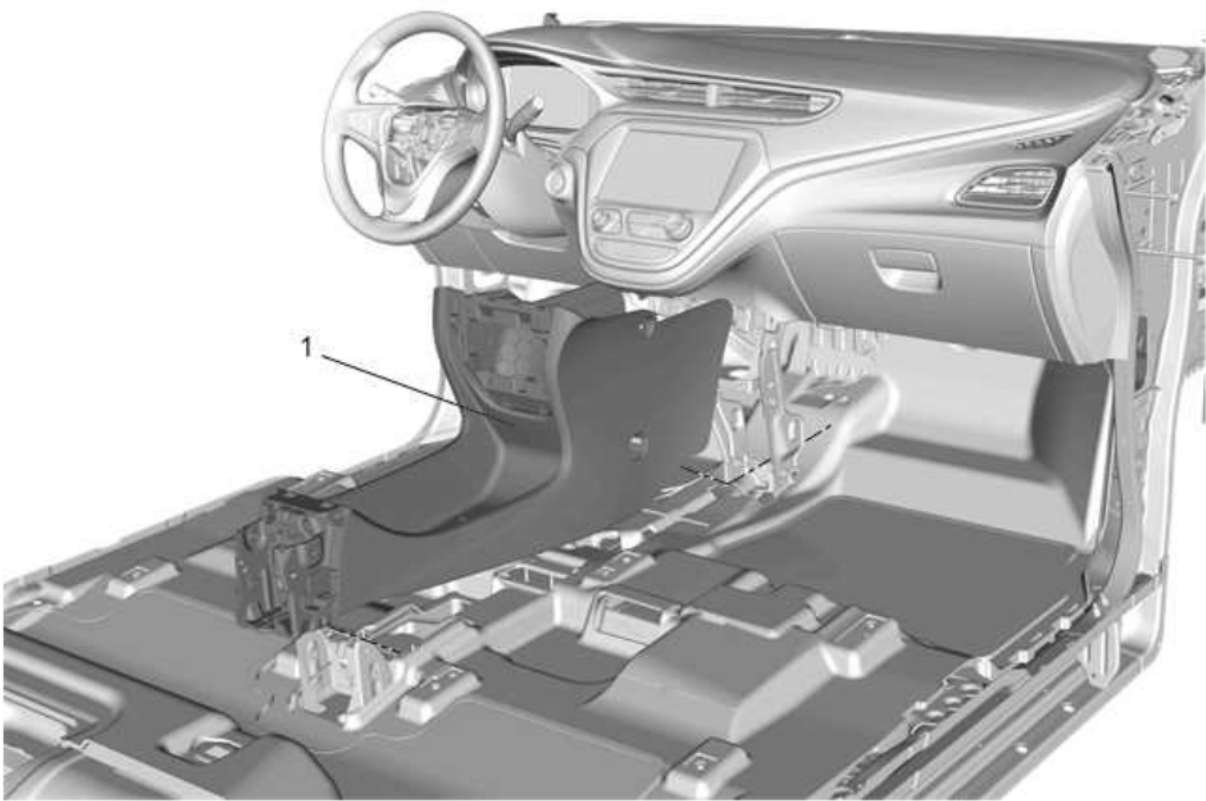


Fig. 125: Front Floor Console
Courtesy of GENERAL MOTORS COMPANY

8. Disconnect the wiring harness.
9. Front Floor Console (1) - Remove
10. Transfer components as necessary.

Installation Procedure

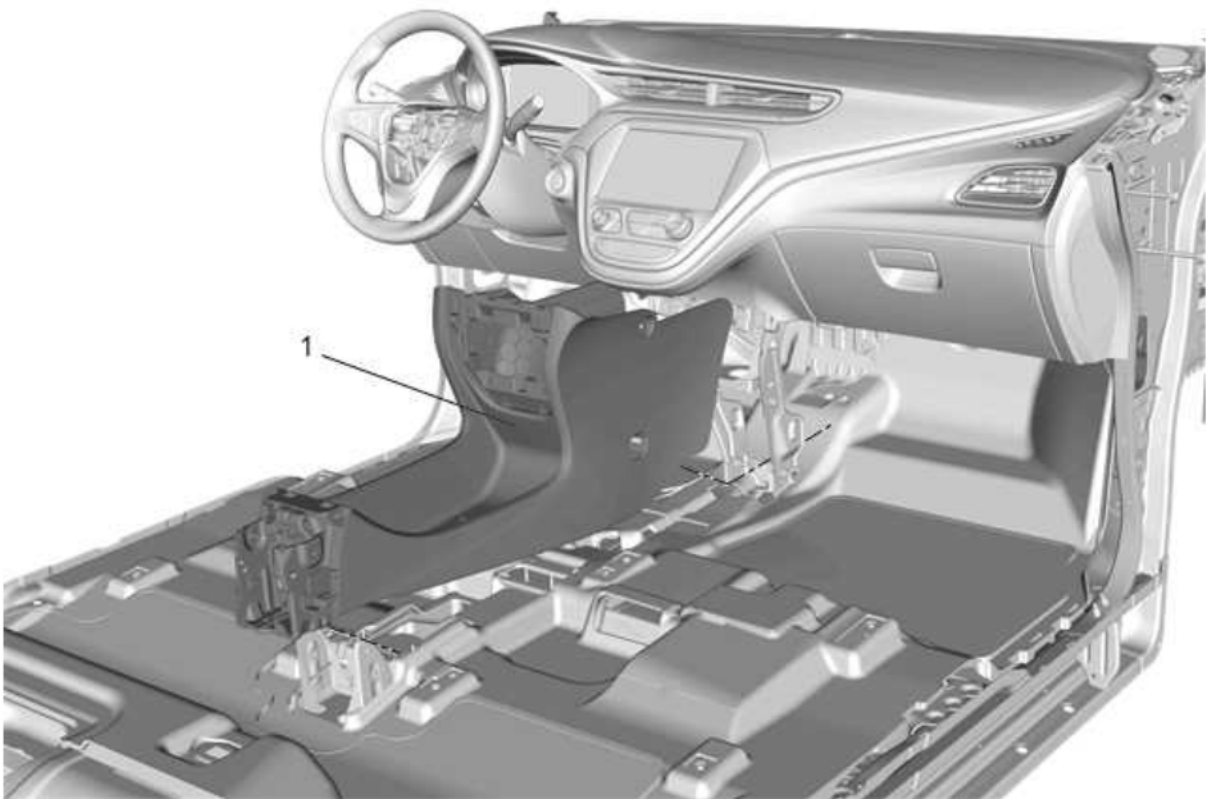


Fig. 126: Front Floor Console
Courtesy of GENERAL MOTORS COMPANY

1. Front Floor Console - Install
2. Connect the wiring harness.

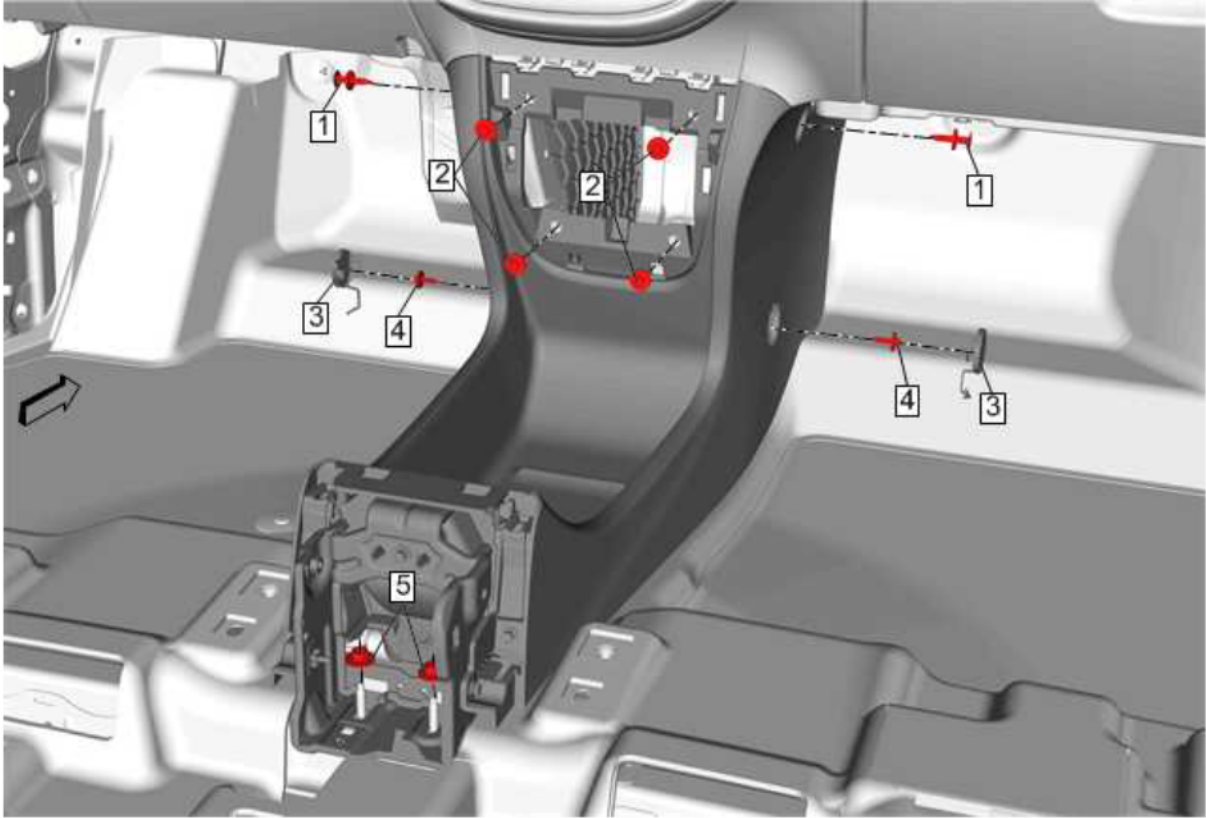


Fig. 127: Front Floor Console Clip, Bolt, Cap, Nut
 Courtesy of GENERAL MOTORS COMPANY

CAUTION: Refer to **Fastener Caution**

3. Front Floor Console Nut (5) (Qty: 2) - Install and tighten to 5 N.m (44 lb in)
4. Front Floor Console Bolt (4) (Qty: 2) - Install and tighten to 3 N.m (27 lb in)
5. Front Floor Console Cap (3) (Qty: 2) - Install
6. Front Floor Console Bolt (2) (Qty: 4) - Install and tighten to 3 N.m (27 lb in)
7. Clip (1) (Qty: 2) - Install

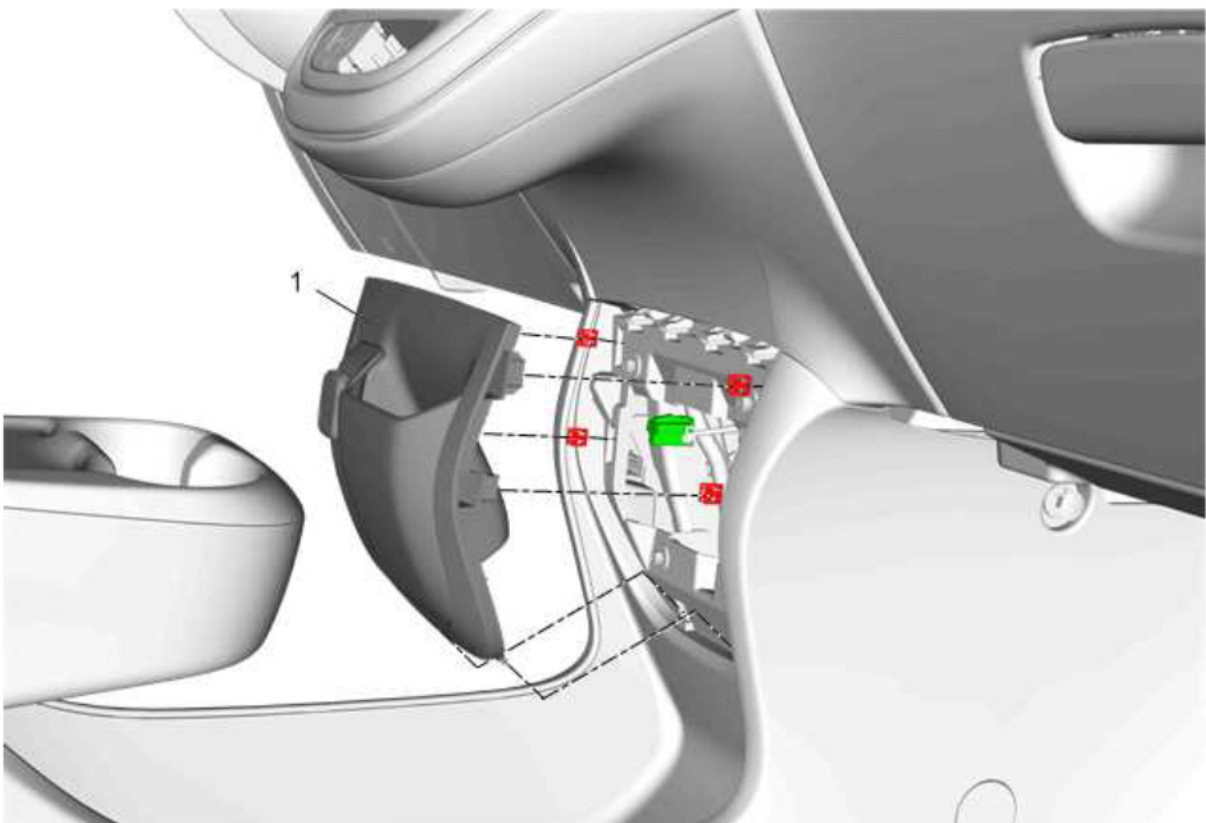


Fig. 128: Front Floor Console Compartment Trim Plate
 Courtesy of GENERAL MOTORS COMPANY

8. Front Floor Console Compartment Trim Plate - Install - [Front Floor Console Compartment Trim Plate Replacement](#)



Fig. 129: Rear Floor Console

Courtesy of GENERAL MOTORS COMPANY

9. Rear Floor Console - Install - [Rear Floor Console Replacement](#)

REAR FLOOR CONSOLE REPLACEMENT

Removal Procedure

1. Reposition the seats to access the console bolts.

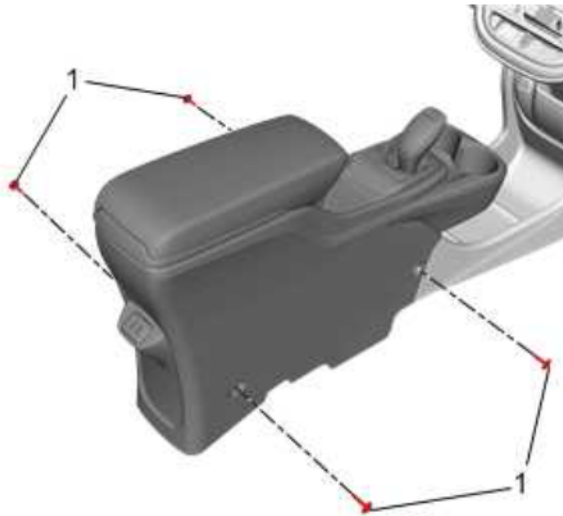


Fig. 130: Rear Floor Console Bolt

Courtesy of GENERAL MOTORS COMPANY

2. Rear Floor Console Bolt (1) - Remove

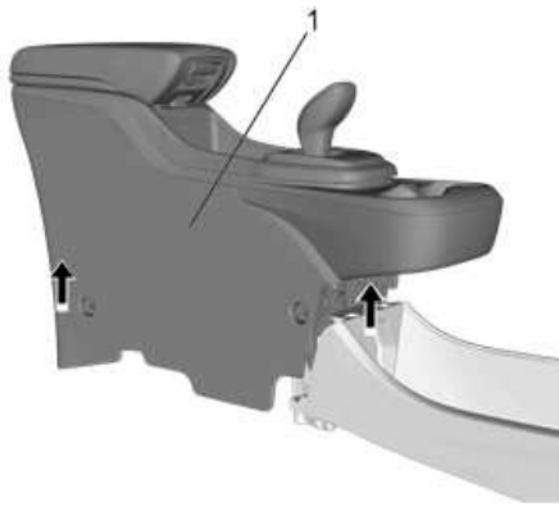


Fig. 131: Rear Floor Console

Courtesy of GENERAL MOTORS COMPANY

3. Gently and slightly lift the rear floor console (1).

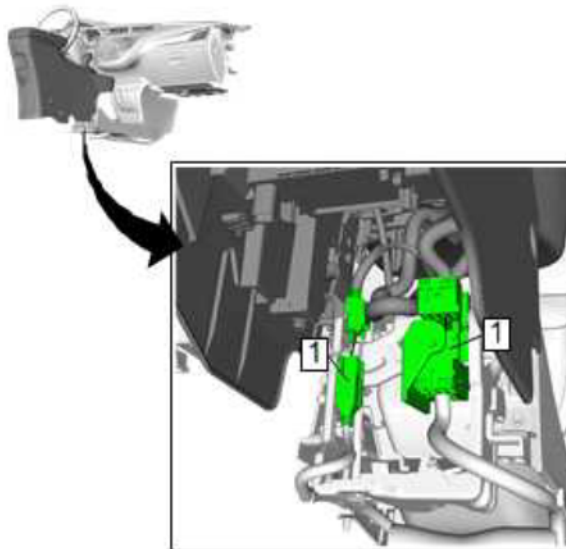


Fig. 132: Electrical Connectors

Courtesy of GENERAL MOTORS COMPANY

4. Disconnect the electrical connectors (1).



Fig. 133: Rear Floor Console

Courtesy of GENERAL MOTORS COMPANY

5. Rear Floor Console (1) - Remove

Installation Procedure



Fig. 134: Rear Floor Console

Courtesy of GENERAL MOTORS COMPANY

1. Rear Floor Console (1) - Install

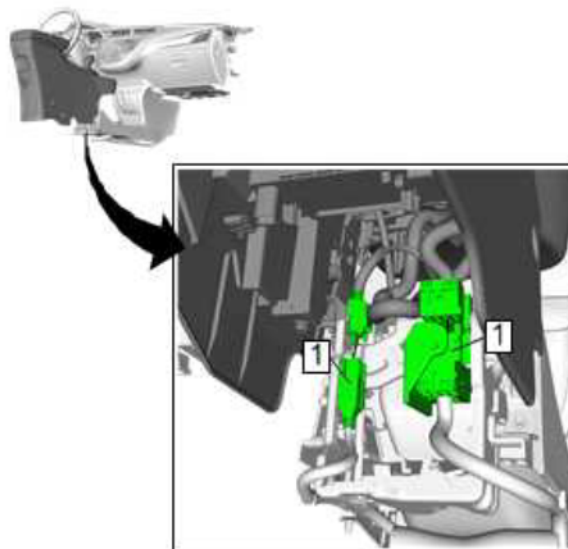
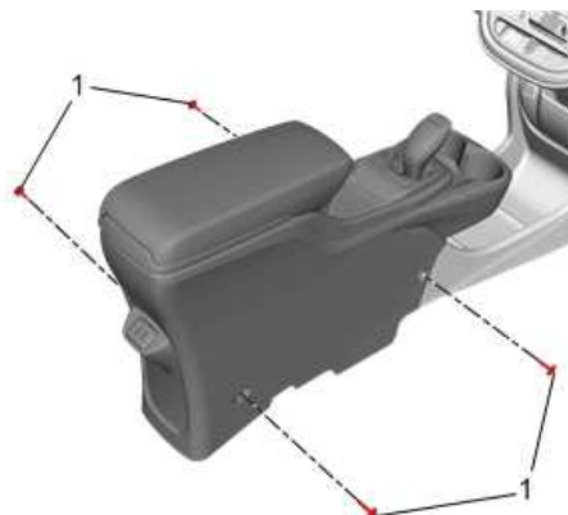


Fig. 135: Electrical Connectors

Courtesy of GENERAL MOTORS COMPANY

2. Connect the electrical connector (1).



CAUTION: Fastener Caution

3. Rear Floor Console Bolt (1) - Install and tighten to 9 N.m (80 lb in)

REAR FLOOR CONSOLE STOWAGE TRAY REPLACEMENT (WITHOUT K4C)

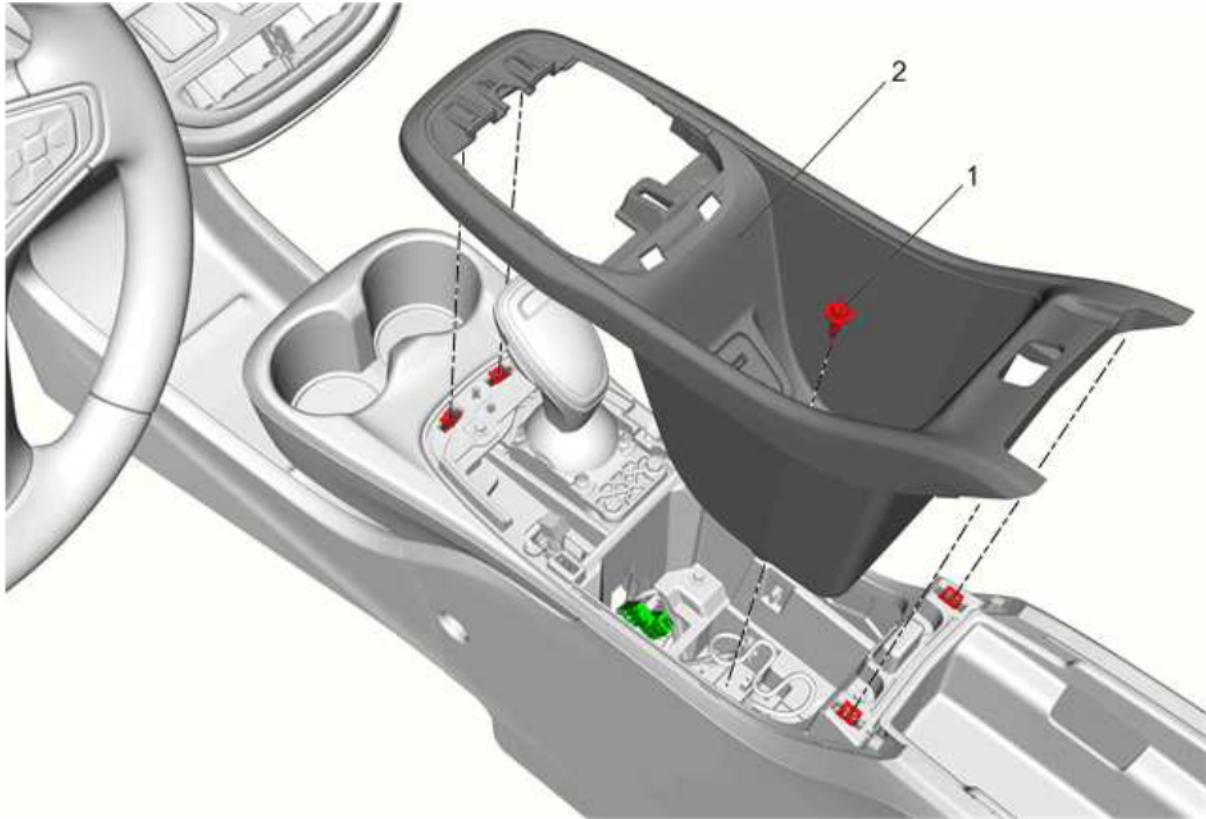


Fig. 137: Rear Floor Console Stowage Tray (without K4C)
Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure 1. <u>Front Floor Console Trim Plate Replacement</u> 2. <u>Front Floor Console Rear Stowage Liner Replacement (without K4C)</u>	
1	Rear Floor Console Stowage Tray Bolt CAUTION: <u>Fastener Caution</u> Tighten 3 N.m (27 lb in)
2	Rear Floor Console Stowage Tray Procedure 1. Use a plastic trim tool if necessary. 2. Disconnect the electrical connectors. 3. Transfer components as necessary.

REAR FLOOR CONSOLE STOWAGE TRAY REPLACEMENT (WITH K4C)

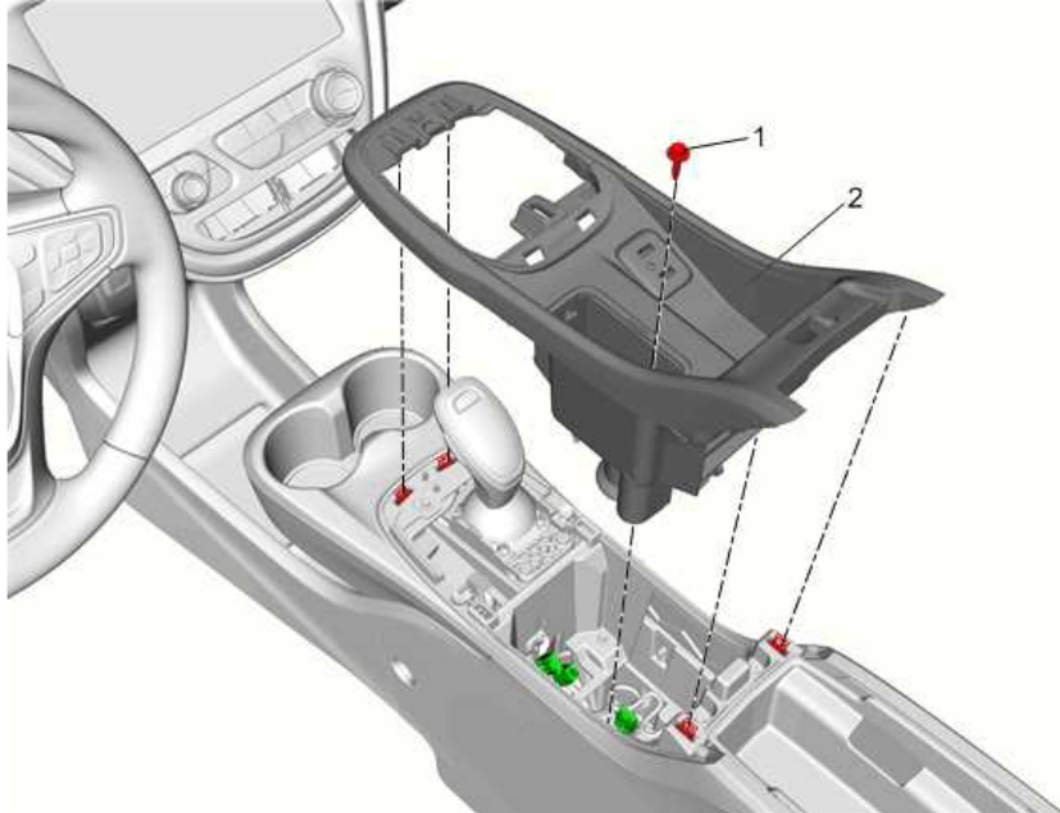


Fig. 138: Rear Floor Console Stowage Tray (with K4C)

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure <u>Front Floor Console Trim Plate Replacement</u> <u>Front Floor Console Rear Stowage Liner Replacement (with K4C)</u>	
1	Rear Floor Console Stowage Tray Bolt CAUTION: <u>Fastener Caution</u> Tighten 3 N.m (27 lb in)
2	Rear Floor Console Stowage Tray Procedure 1. Use a plastic trim tool if necessary. 2. Disconnect the electrical connectors. 3. Transfer components as necessary.

FRONT FLOOR CONSOLE ARMREST REPLACEMENT

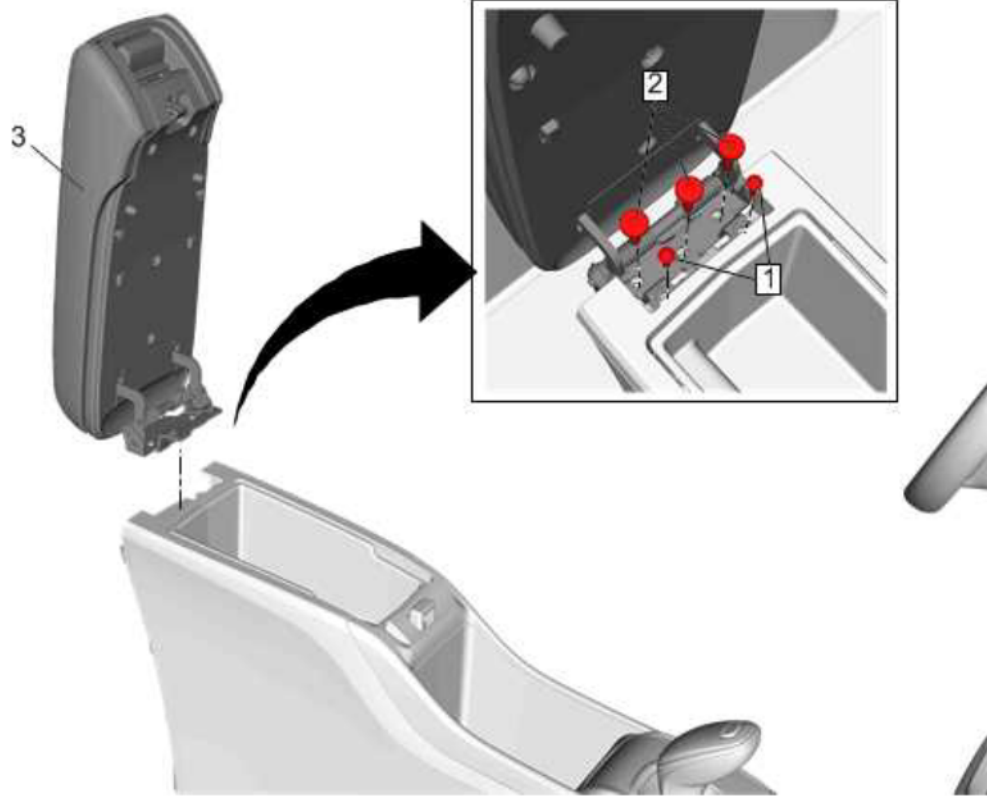


Fig. 139: Front Floor Console Armrest
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
Front Floor Console Rear Trim Panel Replacement	
1	Front Floor Console Armrest Hinge Screw (Qty: 2) CAUTION: Refer to Fastener Caution . Tighten 2.5 N.m (22 lb in)
2	Front Floor Console Armrest Hinge Bolt (Qty: 3) CAUTION: Refer to Fastener Caution . Tighten 4.5 N.m (40 lb in)
3	Front Floor Console Armrest Assembly

FRONT FLOOR CONSOLE TRIM PLATE REPLACEMENT

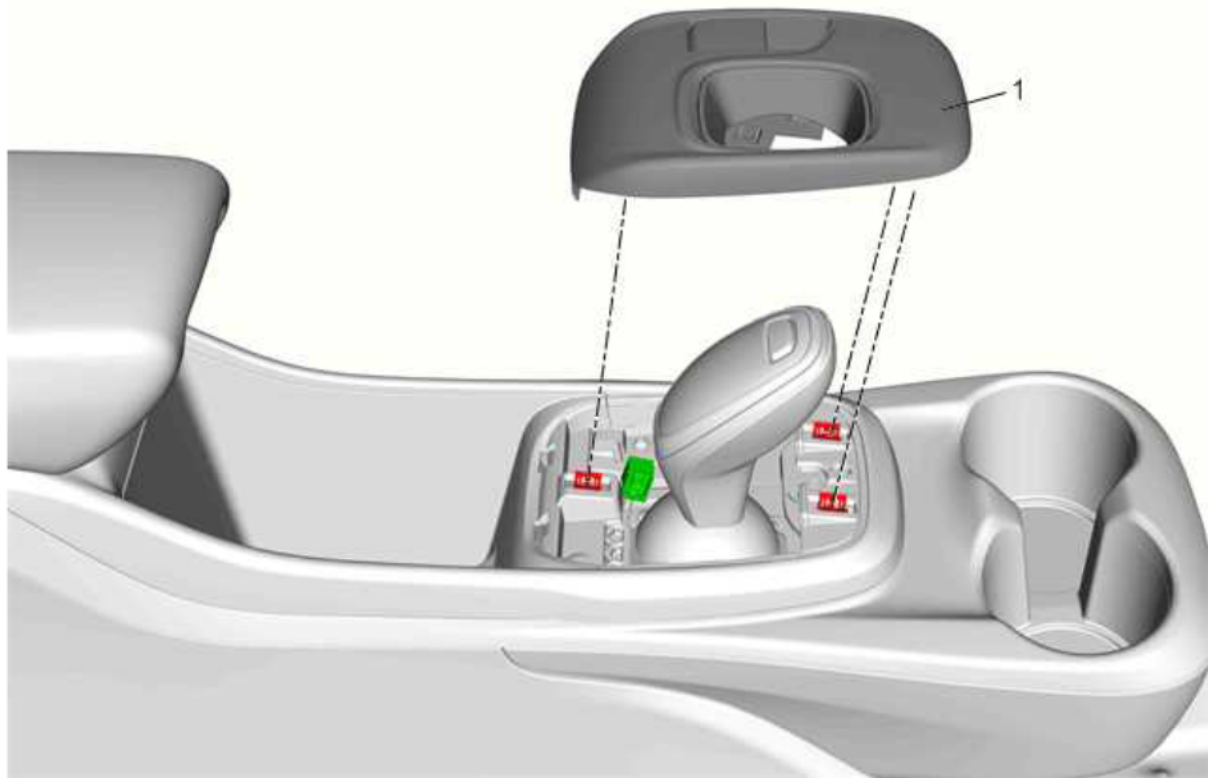


Fig. 140: Front Floor Console Trim Plate
 Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure	
<u>Transmission Control Lever Knob Replacement</u>	
	Front Floor Console Trim Plate
1	Procedure 1. Use a flat bladed plastic trim tool. 2. Disconnect the electrical connector. 3. Transfer components as necessary.

ROOF CONSOLE REPLACEMENT

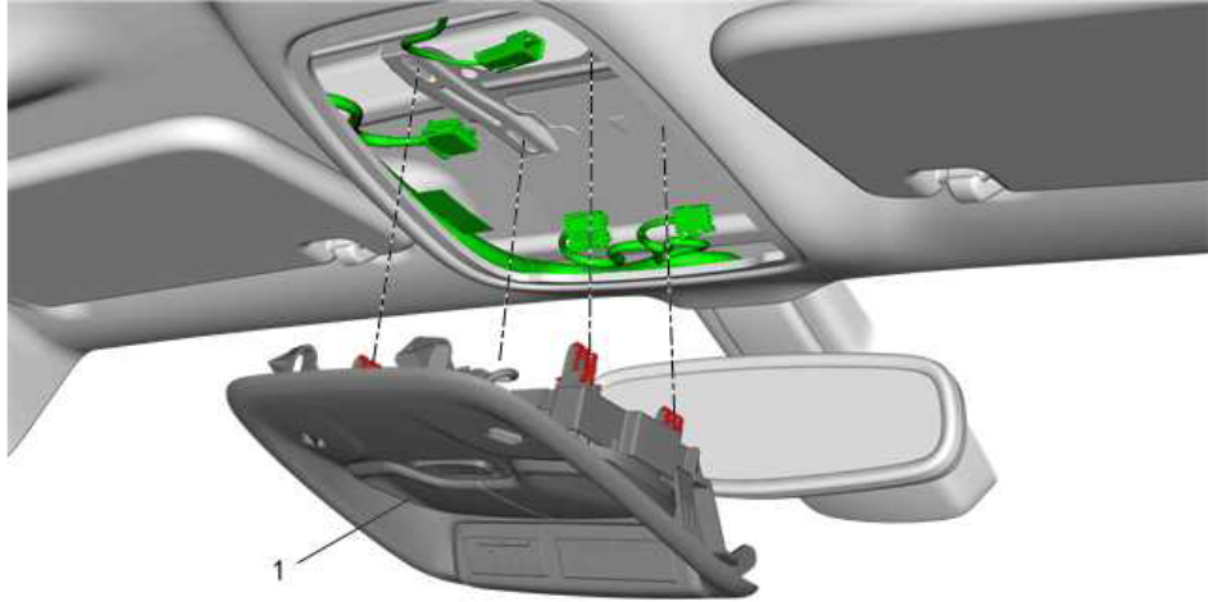


Fig. 141: Roof Console

Courtesy of GENERAL MOTORS COMPANY

Callout	Component Name
Preliminary Procedure Disconnect the battery negative cable. Battery Negative Cable Disconnection and Connection	
1	Roof Console NOTE: The retainers are stronger than the console assembly. During removal, the console may separate, and if this happens, the roof console will need to be reassembled. Procedure 1. Grasp the roof console on both sides and pull down to disengage the clips. 2. Disconnect all electrical connectors. 3. Transfer components as necessary. 4. Reassemble the roof console if it becomes separated upon removal. 5. Connect the battery negative cable. Battery Negative Cable Disconnection and Connection