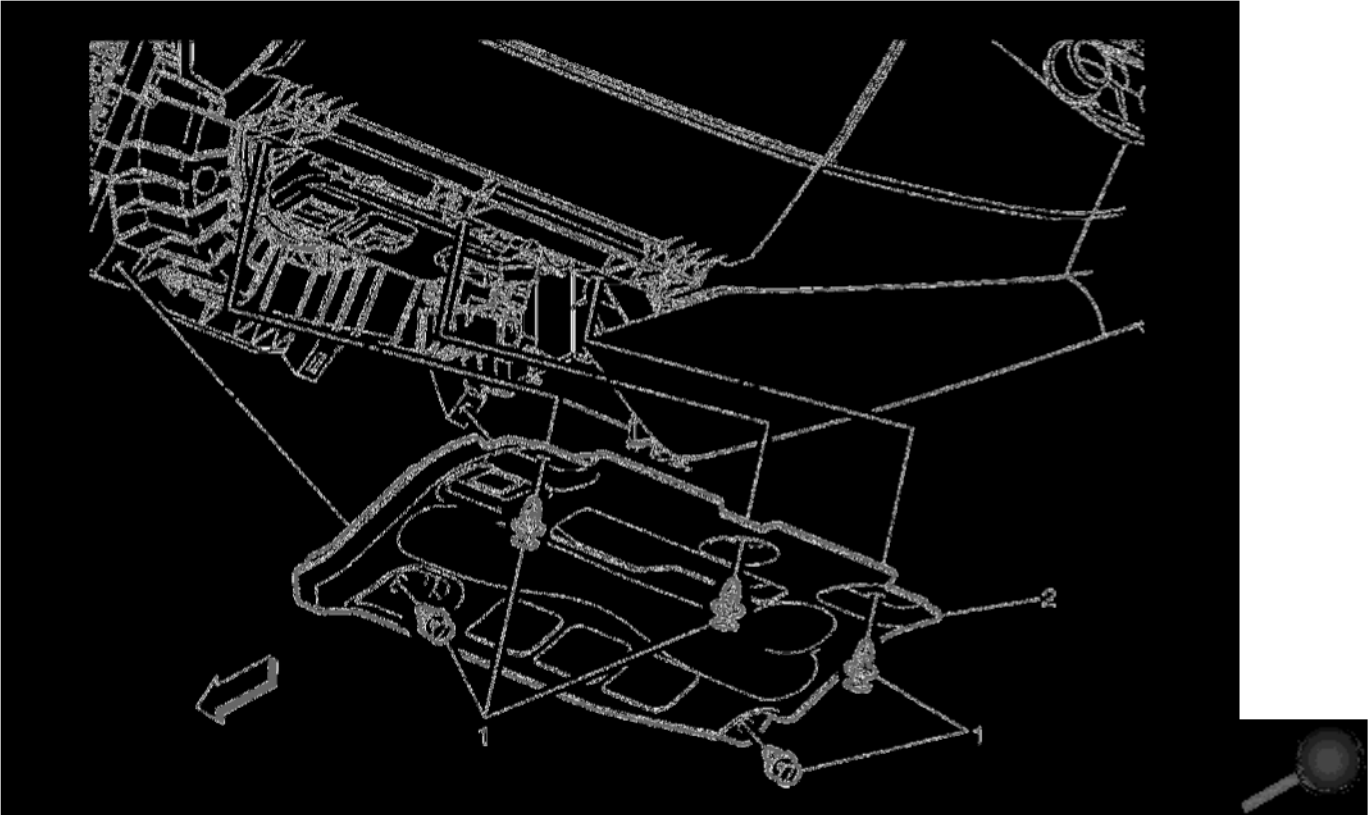


Instrument Panel Lower Trim Panel Insulator Replacement - Left Side



Instrument Panel Lower Trim Panel Insulator Replacement - Left Side

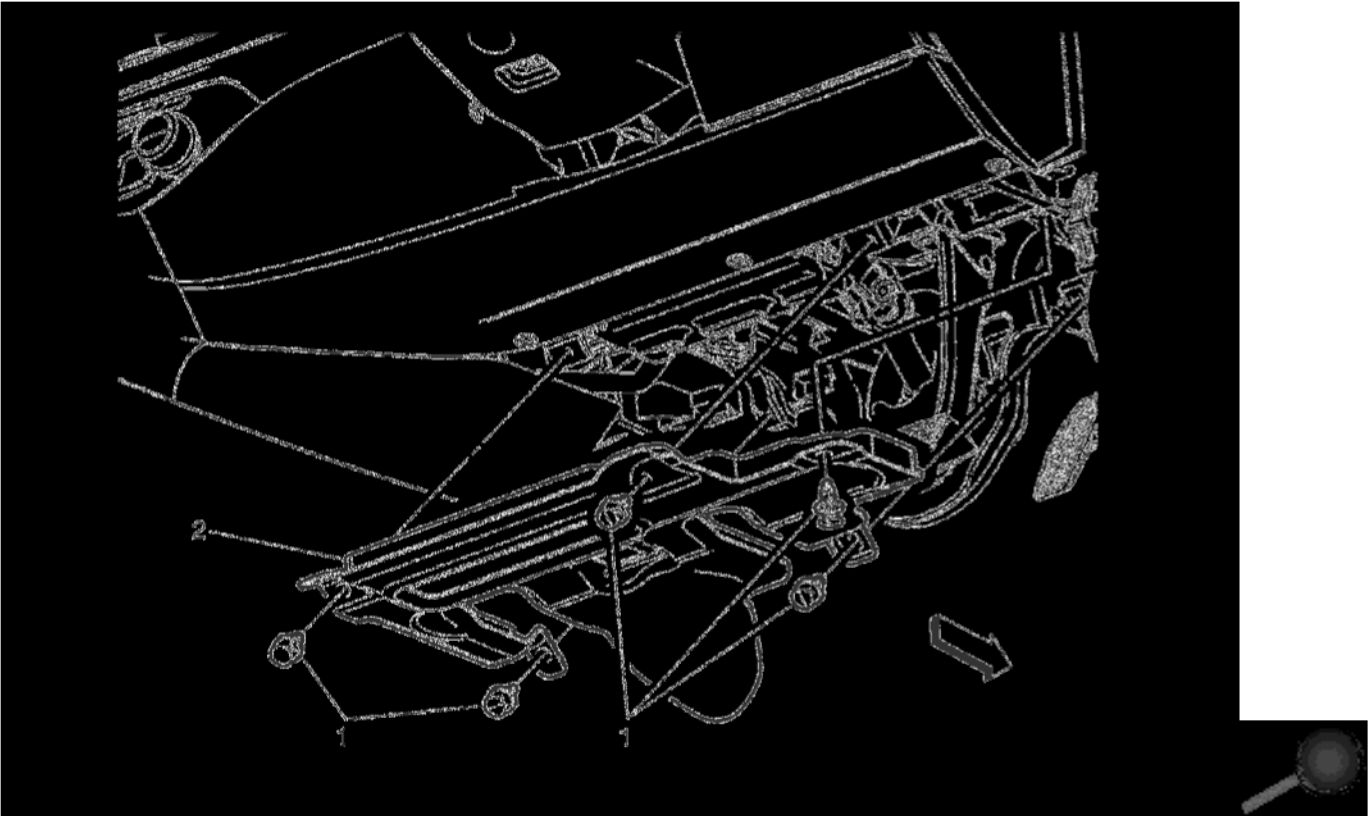
Callout	Component Name
1	Instrument Panel Insulator Retainer (Qty: 5) Procedure Use a suitable tool to release the retainers securing the lower trim panel insulator to the instrument panel assembly.
	Instrument Panel Lower Trim Panel Insulator - Left Side

2

Procedure

1. Disconnect the electrical connection.
2. Transfer components as necessary.

Instrument Panel Lower Trim Panel Insulator Replacement - Right Side



Instrument Panel Lower Trim Panel Insulator Replacement - Right Side

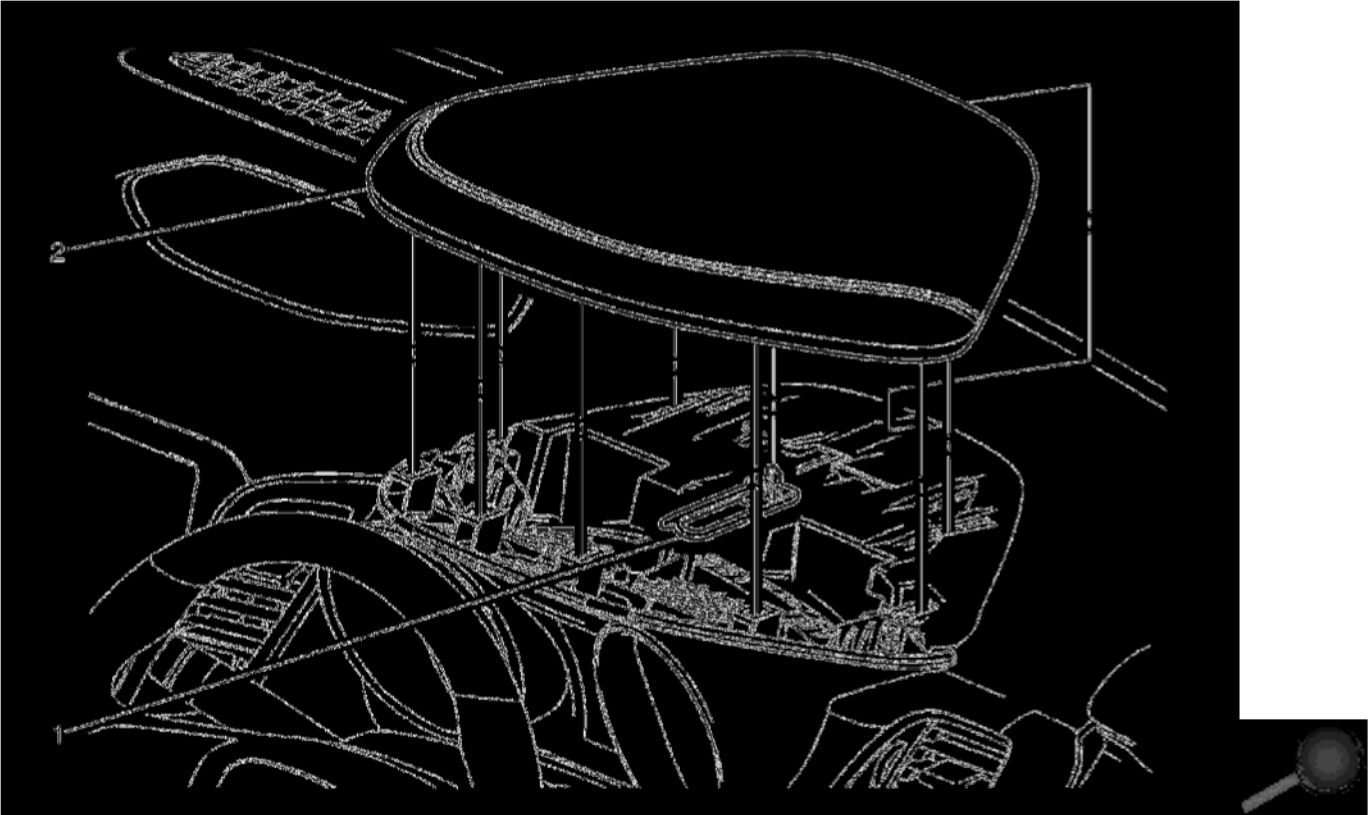
Callout	Component Name
1	Instrument Panel Insulator Retainer (Qty: 5) Procedure Use a suitable tool to release the retainers securing the lower trim panel insulator to the instrument panel assembly.
	Instrument Panel Lower Trim Panel Insulator - Right Side

2

Procedure

1. Disconnect the electrical connection.
2. Transfer components as necessary.

Instrument Panel Instrument Cluster Hood Replacement (Without HUD)



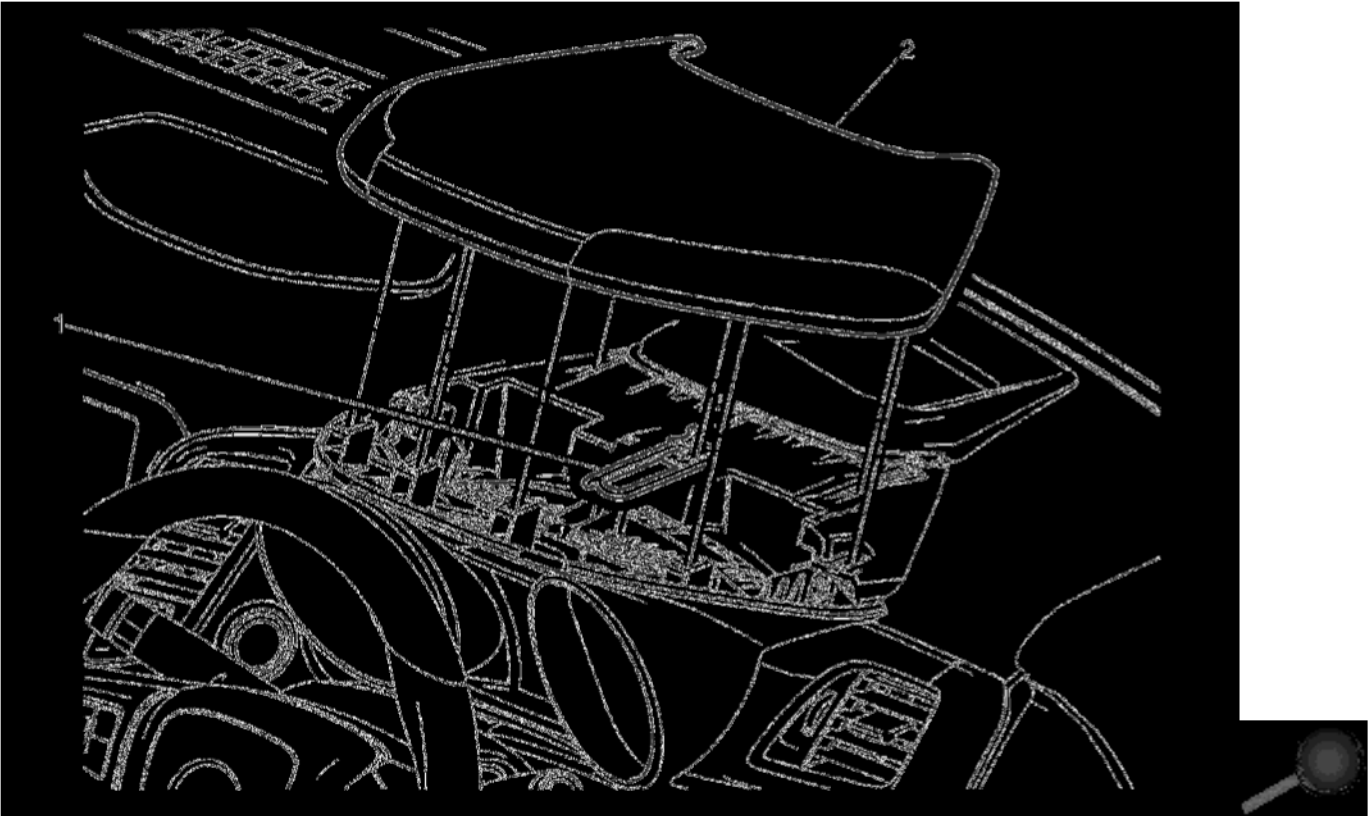
Instrument Panel Instrument Cluster Hood Replacement

Callout	Component Name
1	Instrument Panel Instrument Cluster Hood Retainer
	© 2014 General Motors. All rights reserved. Instrument Panel Instrument Cluster Hood Procedures

2

1. Use a flat bladed plastic trim tool in order to release the retainer clips securing the hood to the instrument panel assembly.
2. To release the instrument panel cluster hood retainer, grasp the retainer with pliers and rotate until the first hooks are aligned with the cut-out. Pull through then rotate a further 90 degrees to align the second hooks with the cut-out. Pull through and remove.

Instrument Panel Instrument Cluster Hood Replacement (With HUD)



Instrument Panel Instrument Cluster Hood Replacement

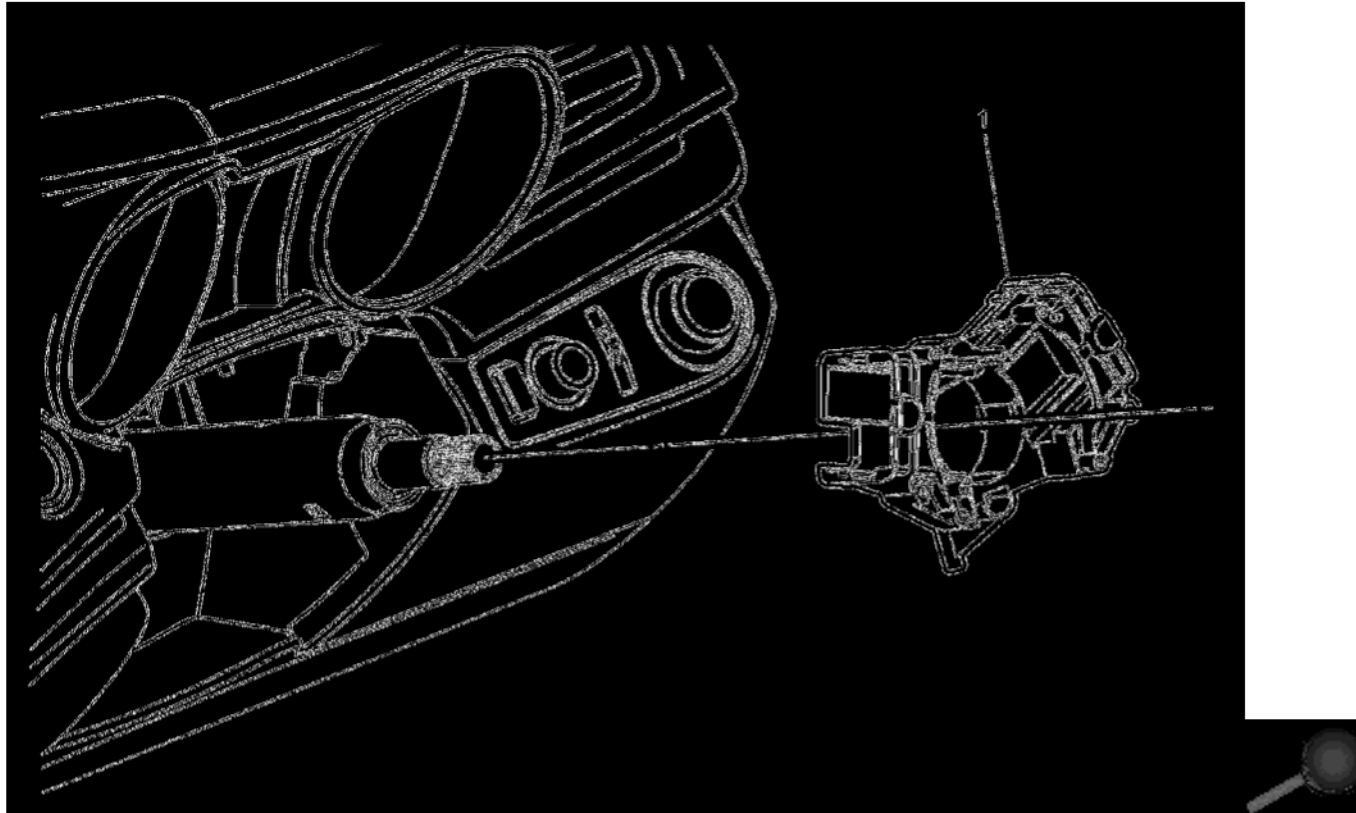
Callout	Component Name
1	Instrument Panel Instrument Cluster Hood Retainer
	© 2014 General Motors. All rights reserved. Instrument Panel Instrument Cluster Hood Procedures

2

1. Use a flat bladed plastic trim tool in order to release the retainer clips securing the hood to the instrument panel assembly.
2. To release the instrument panel cluster hood retainer, grasp the retainer with pliers and rotate until the first hooks are aligned with the cut-out. Pull through then rotate a further 90 degrees to align the second hooks with the cut-out. Pull through and remove.

Instrument Panel Driver Knee Bolster Energy Absorber Replacement

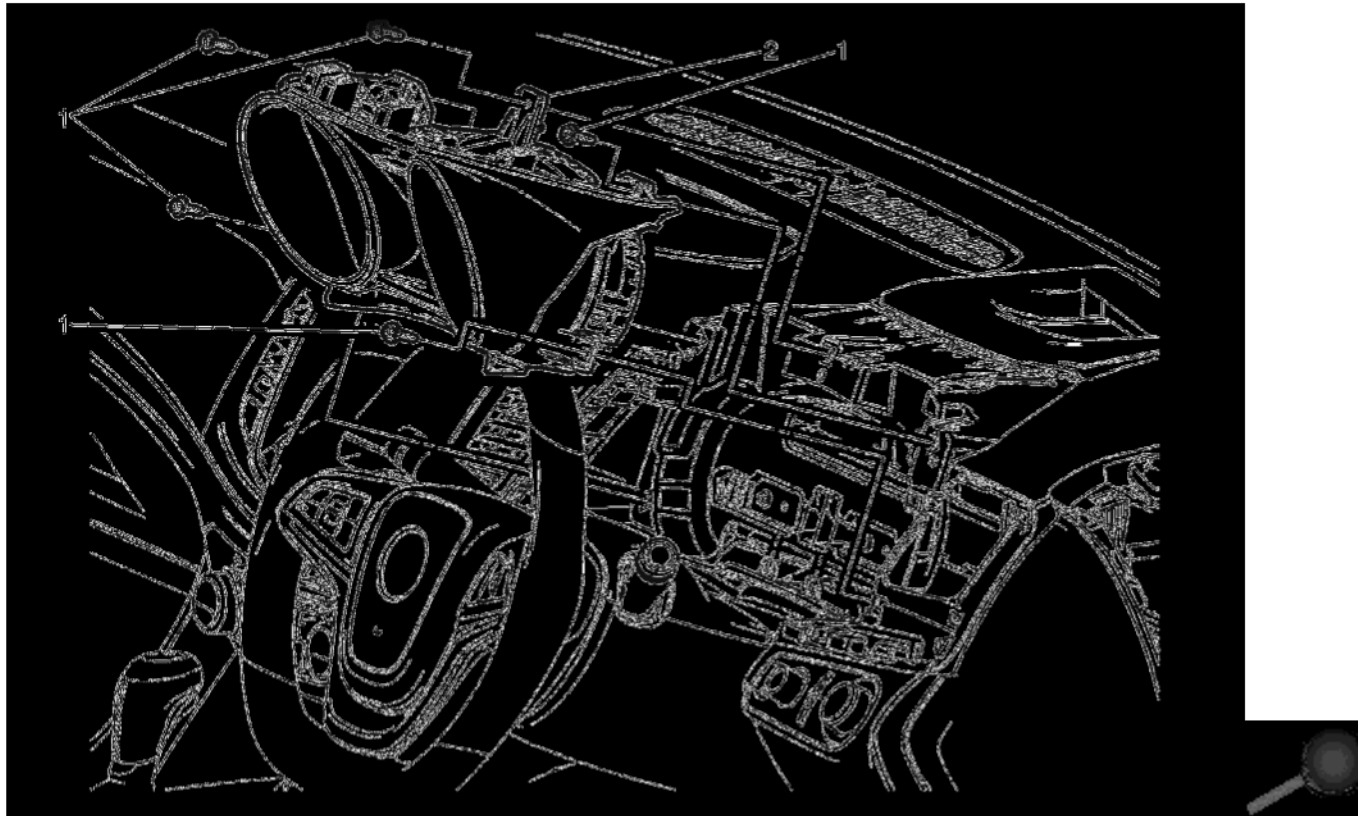
[Removal Procedure](#)



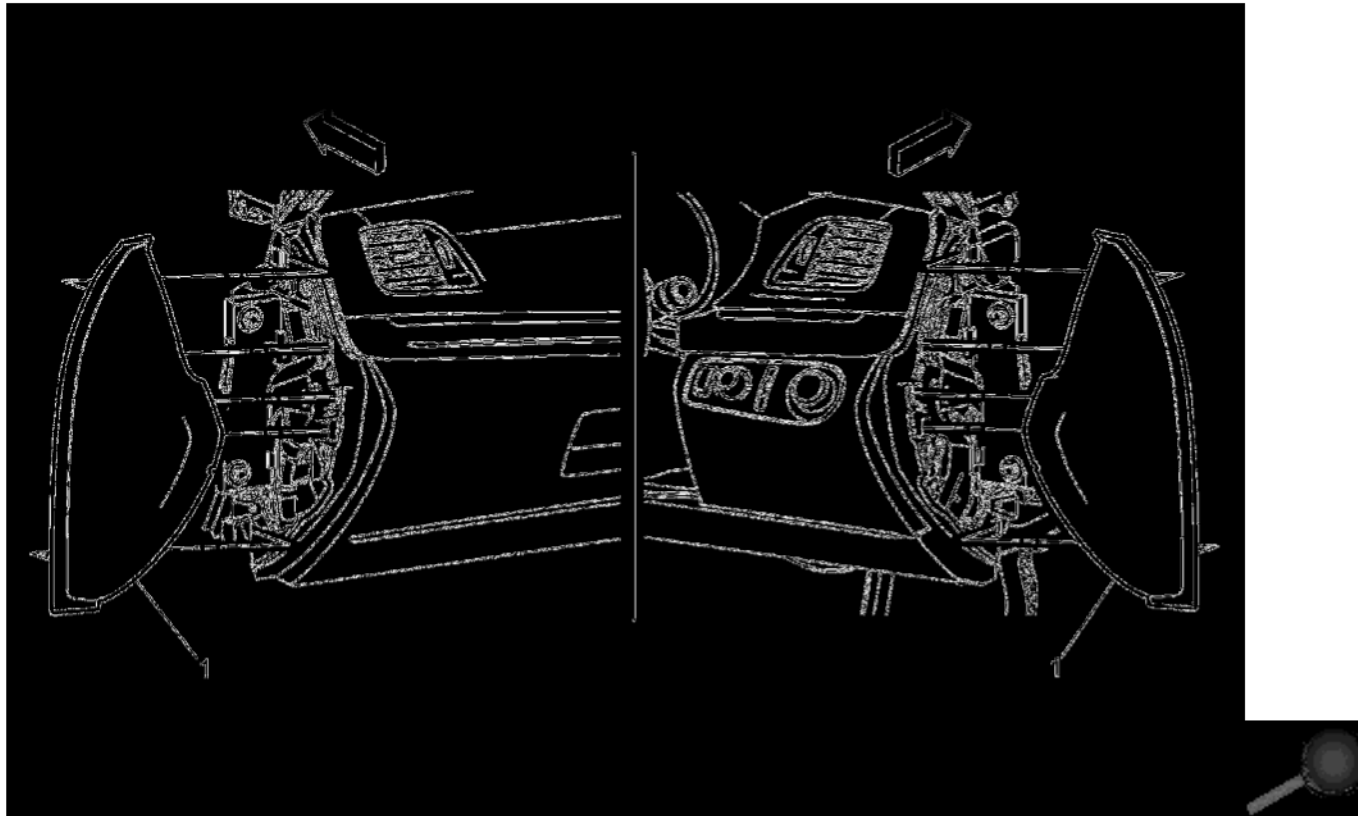
Note: For vehicles fitted with SMART KEY, ensure the electric steering lock mechanism is UNLOCKED before disabling the SIR System. Refer to [SIR Disabling and Enabling](#).

Note: Upon completing this procedure, leave the steering column in the fully lowered and extended position to aid further procedures.

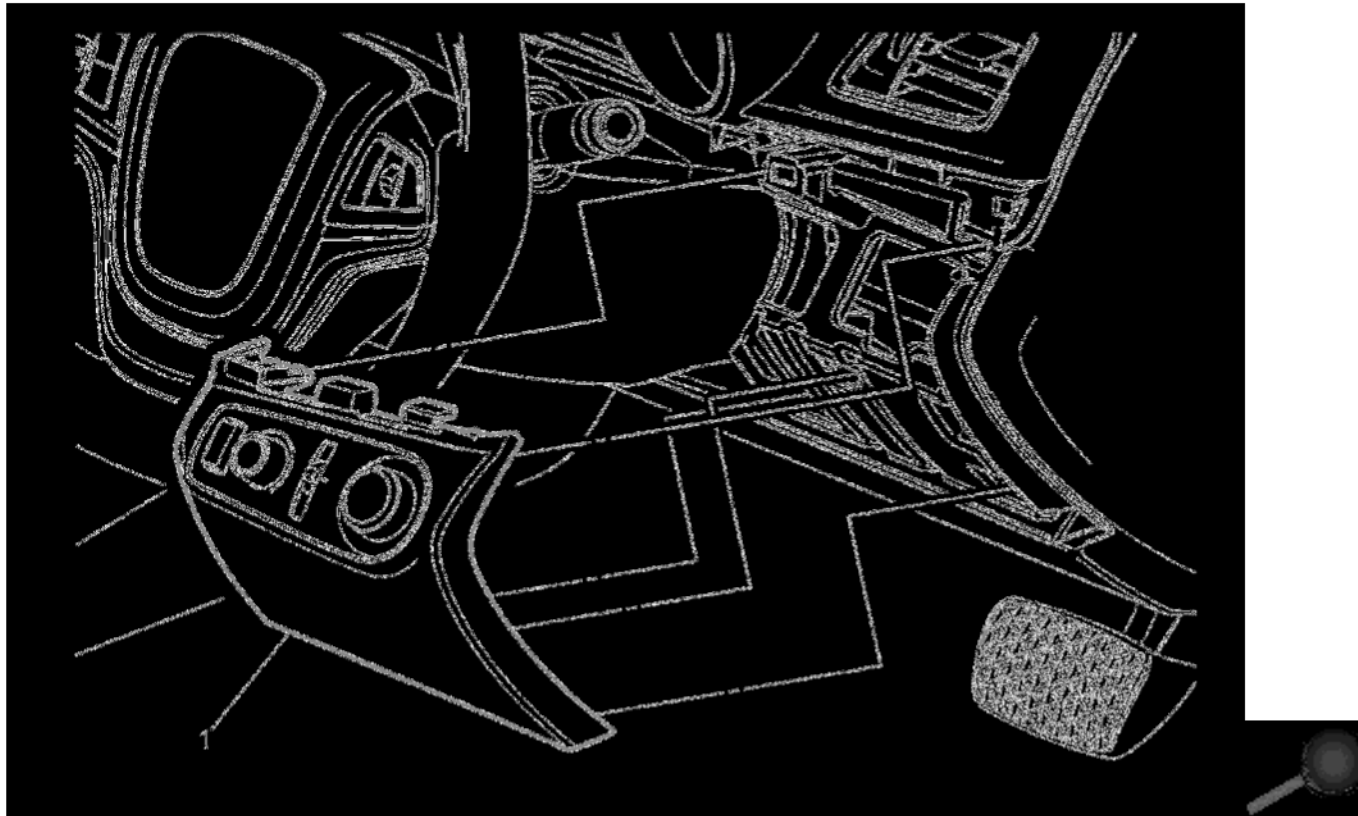
1. Remove the turn signal switch bracket (1). Refer to [Turn Signal Switch Bracket Replacement](#).



2. Remove the instrument cluster (2) complete with the steering column upper trim cover and fabric closeout attached. Take caution to ensure the fabric closeout base plate pegs are released prior to removal. Refer to [Instrument Cluster Replacement](#).



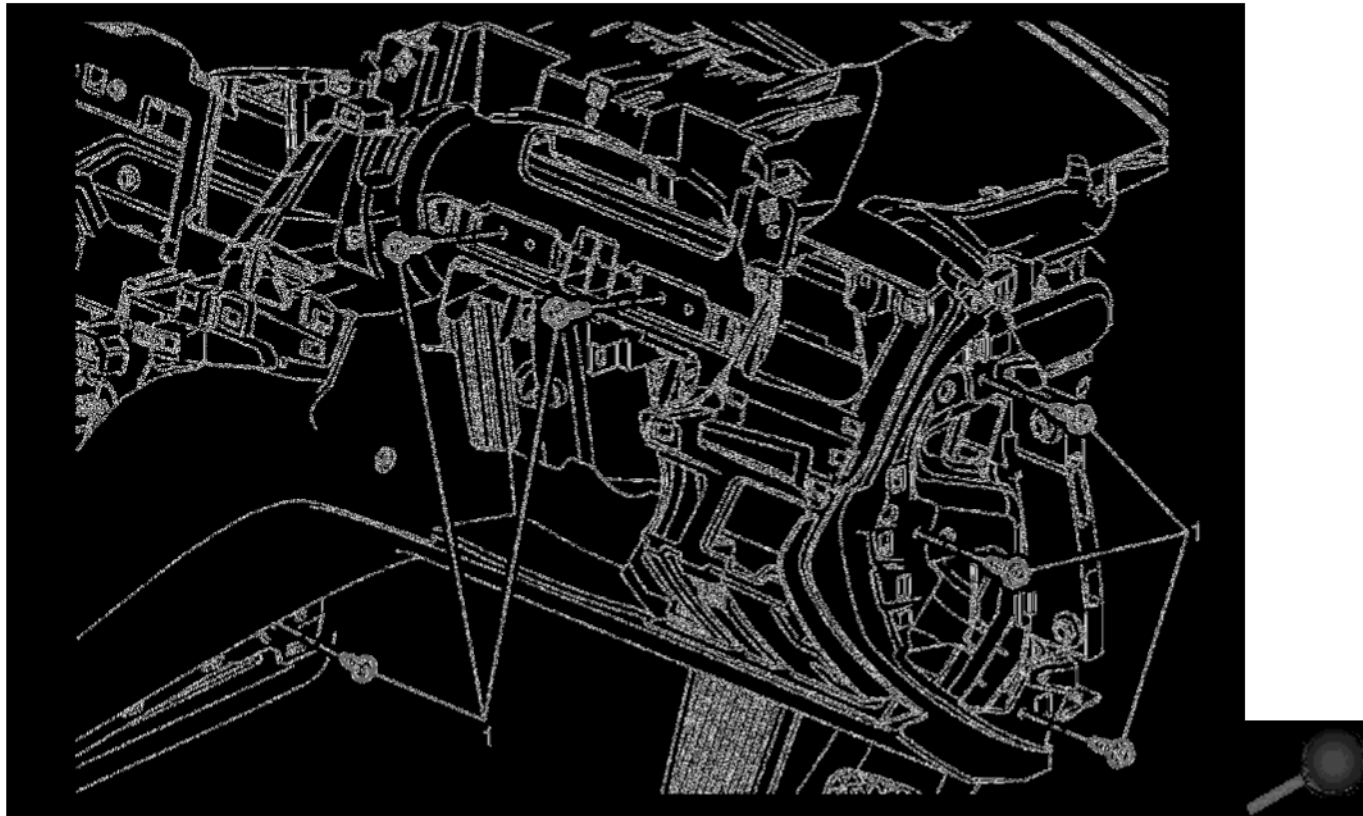
3. Remove the right instrument panel outer trim cover (1). Refer to [Instrument Panel Outer Trim Cover Replacement](#)



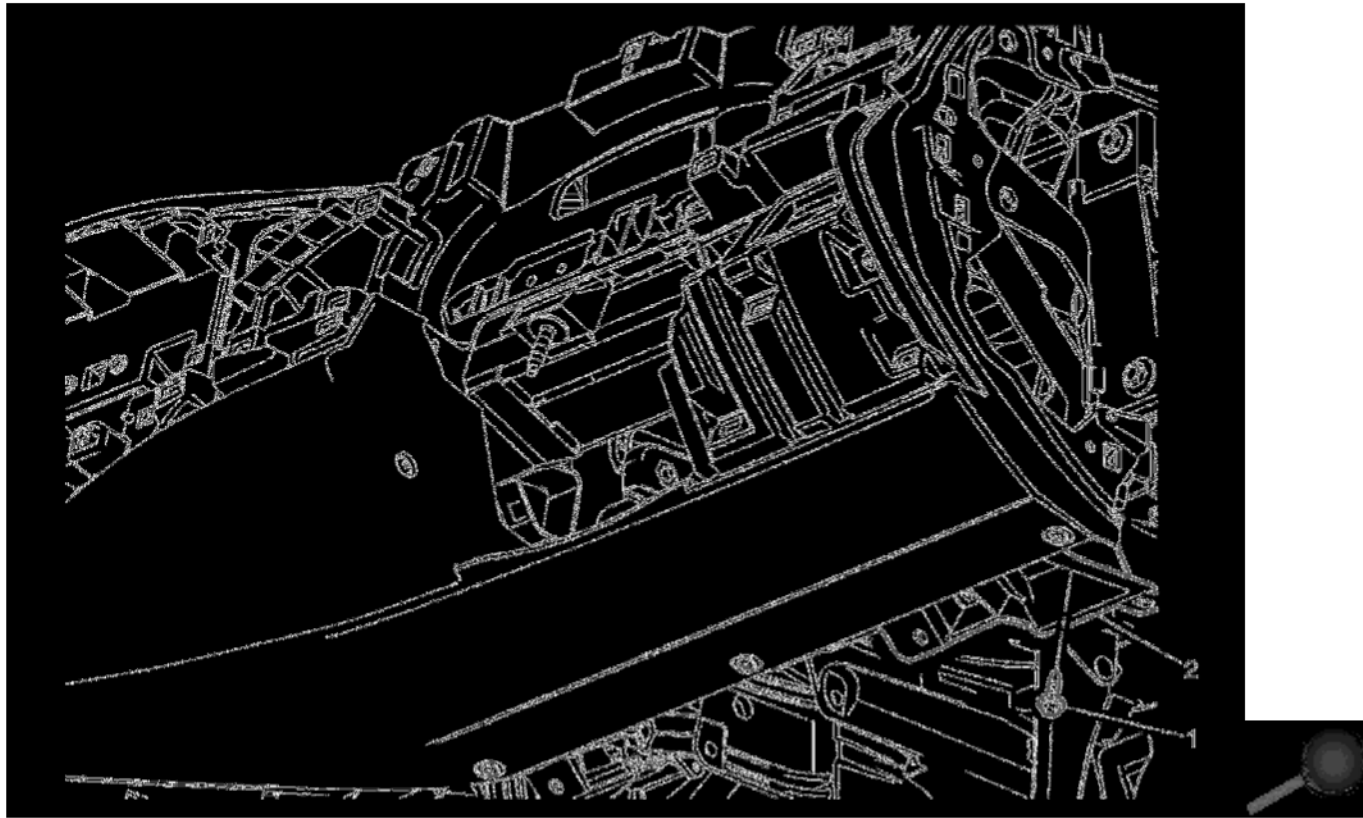
4. Remove the instrument panel lower trim panel (1). Refer to [Instrument Panel Lower Trim Panel Replacement](#).



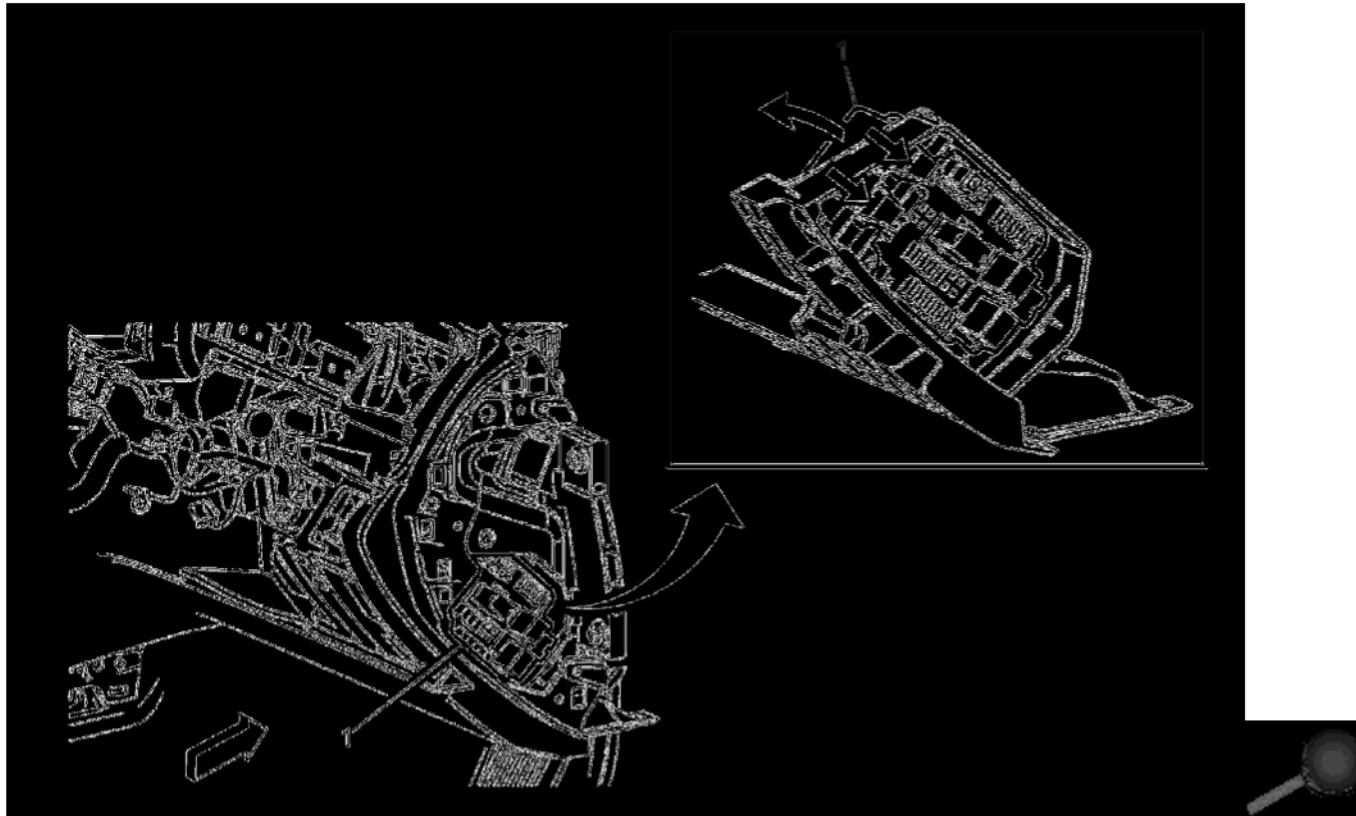
5. Remove the right front floor air outlet duct (2) and disconnect the lower right duct air temperature sensor. Refer to [Floor Front Air Outlet Duct Replacement - Right Side](#).



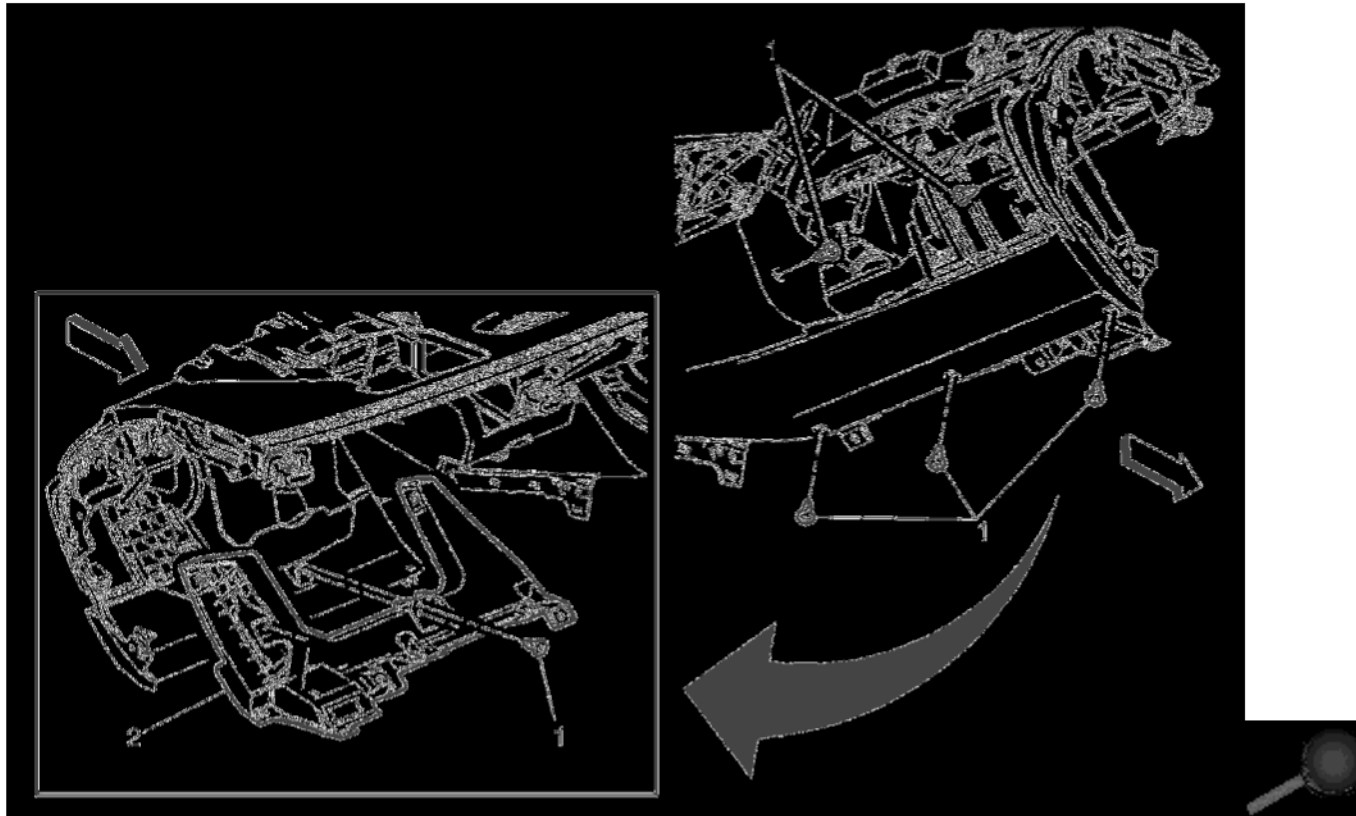
6. Remove the instrument panel assembly fasteners (1).



7. Remove the instrument panel assembly fasteners (1).
8. Disconnect the data link connector (2).

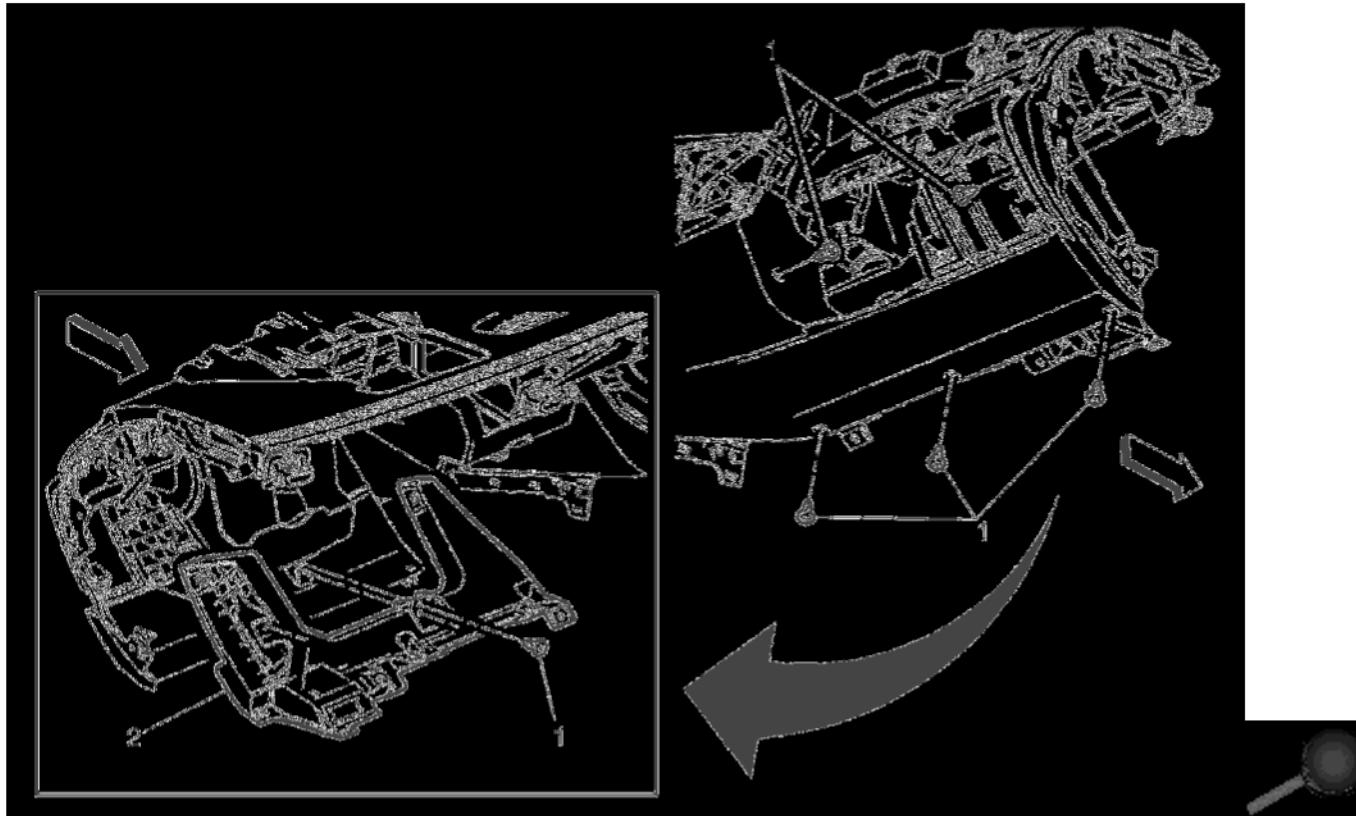


9. Unsnap the instrument panel fuse block (1) from the instrument panel driver knee bolster energy absorber, push inwards and position out of the way. Ensure all wiring under the instrument panel is clear of the driver knee bolster energy absorber.



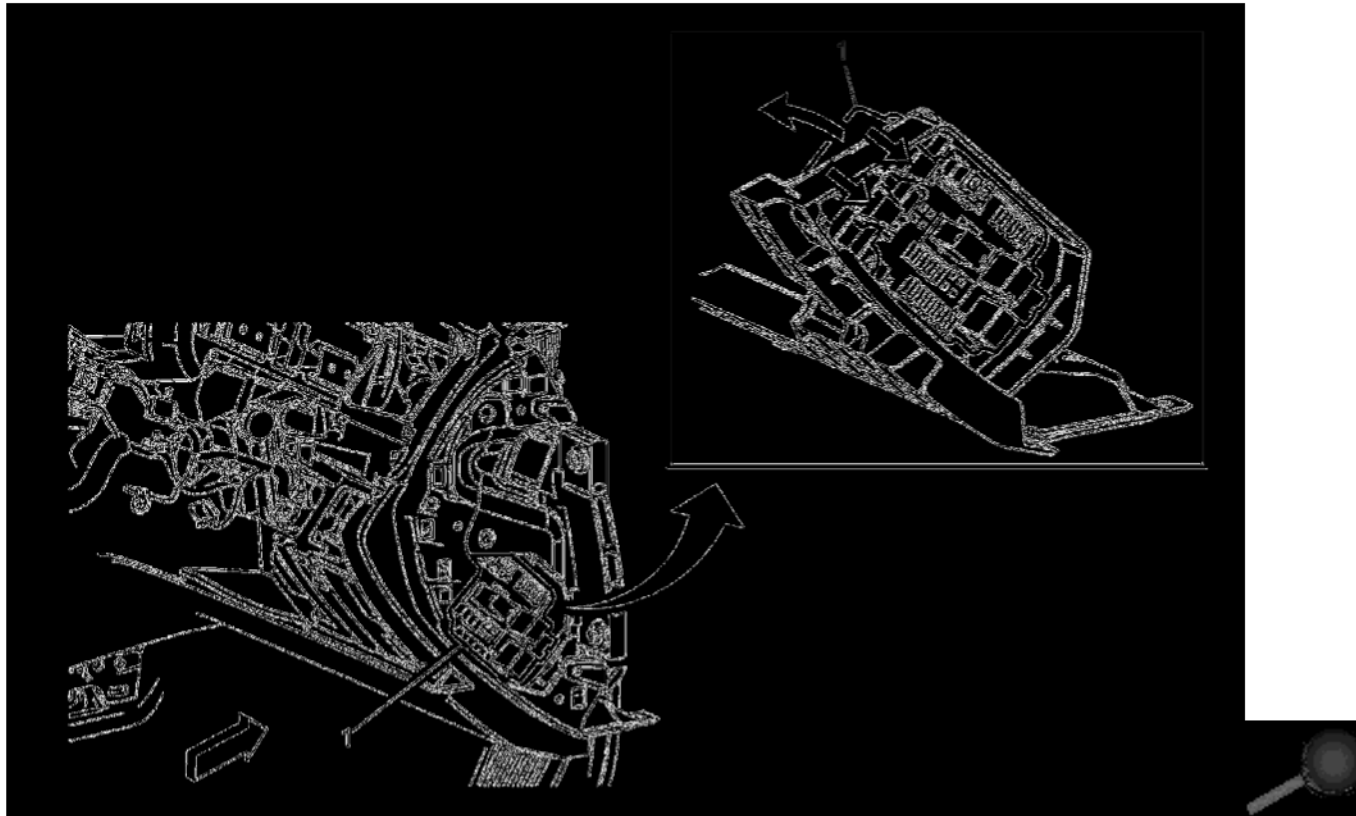
10. Remove the instrument panel driver knee bolster energy absorber fasteners (1).
11. Unhook the right side of the instrument panel from the alignment dowels and carefully pull forward to allow for additional clearance then remove the knee bolster energy absorber (2) downwards.

[Installation Procedure](#)

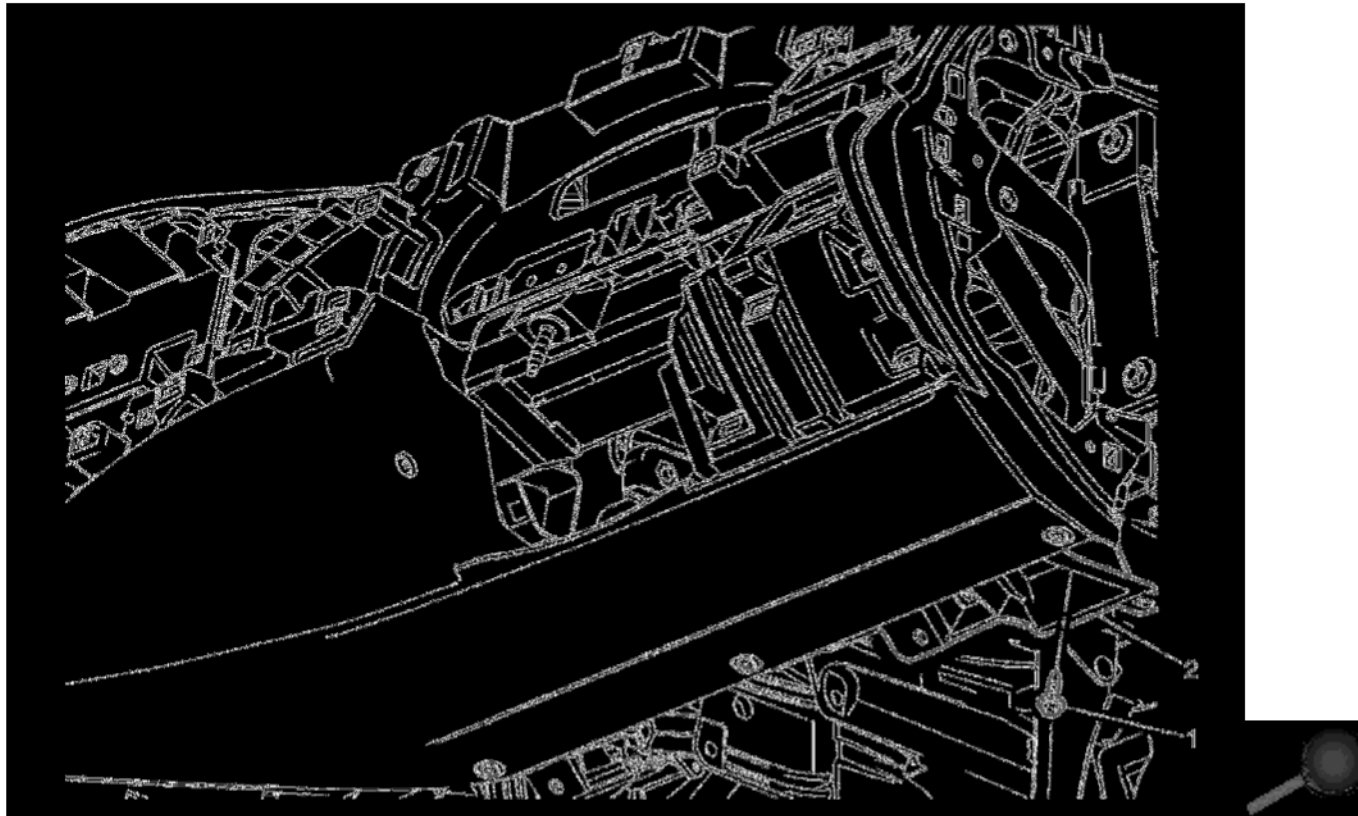


Caution: Refer to [Fastener Caution](#).

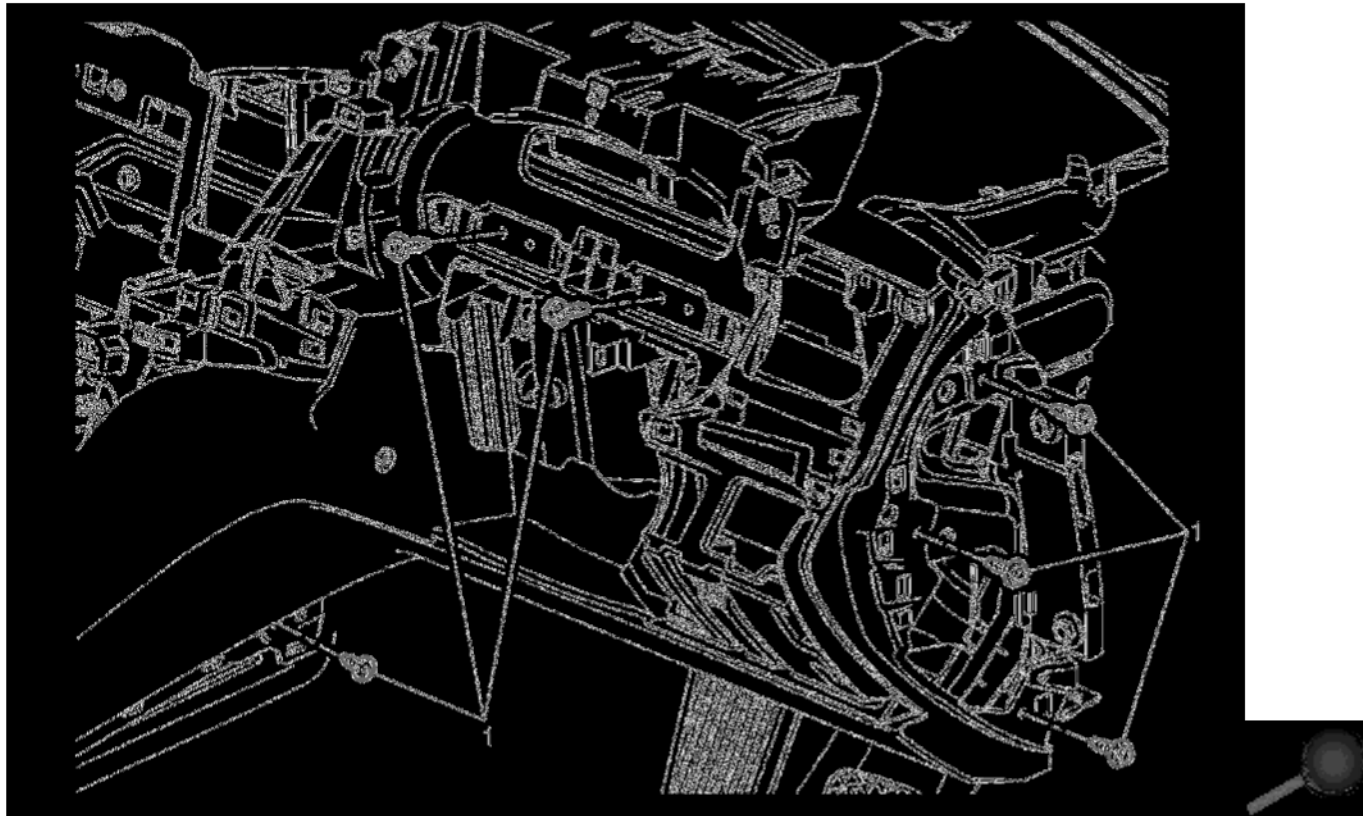
1. With the right side of the instrument panel unhooked from the alignment dowels, carefully pull forward to allow for additional clearance then insert the knee bolster energy absorber (2) from underneath the instrument panel.
2. Ensure the instrument panel driver knee bolster energy absorber (2) located properly with alignment pegs then install the fasteners (1).
3. Install the instrument panel driver knee bolster energy absorber fasteners (1) and tighten to 2.5 N•m (22 lb in).



4. Snap the instrument panel fuse block (1) from the instrument panel driver knee bolster energy absorber.



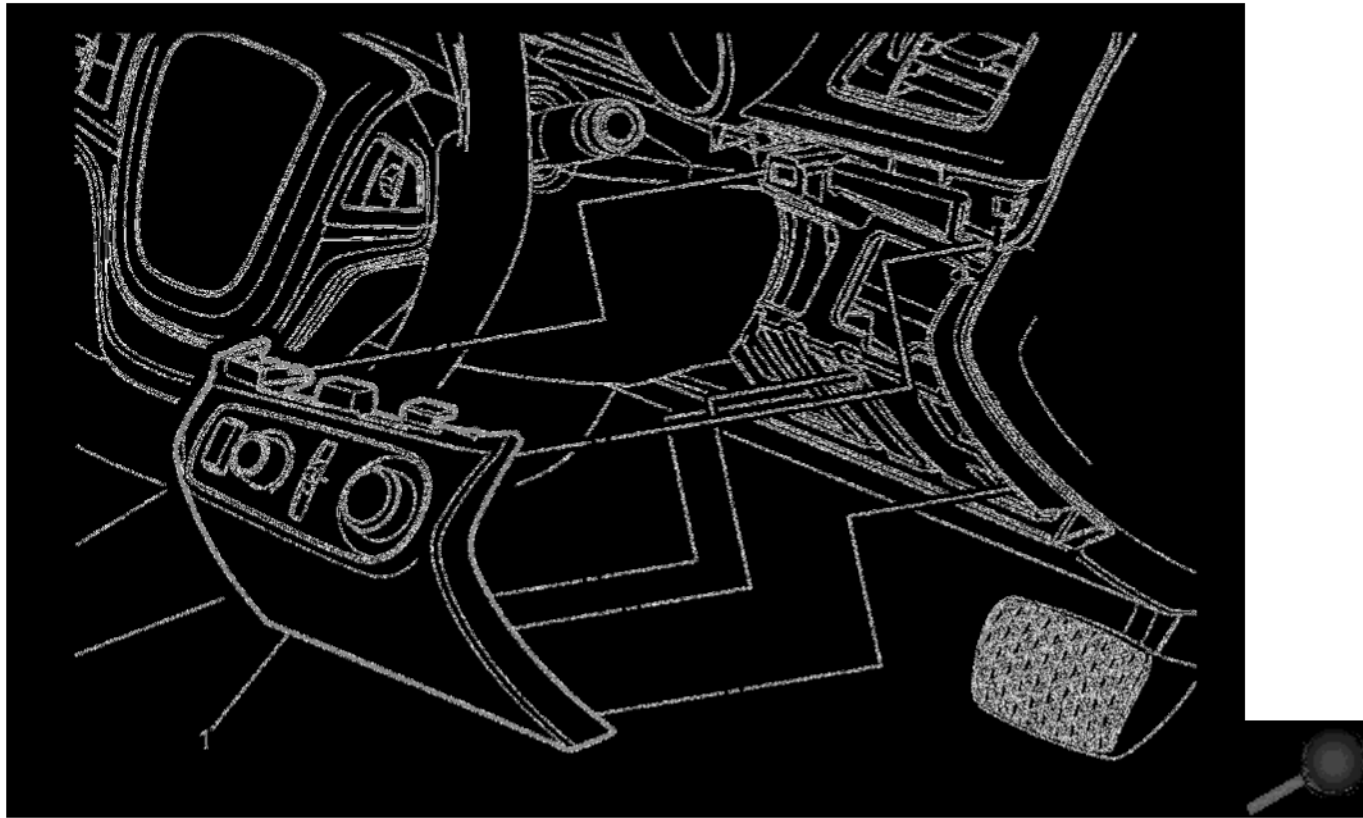
5. Install the instrument panel assembly fasteners (1) and tighten to 2.5 N•m (22 lb in).
6. Connect the data link connector (2).



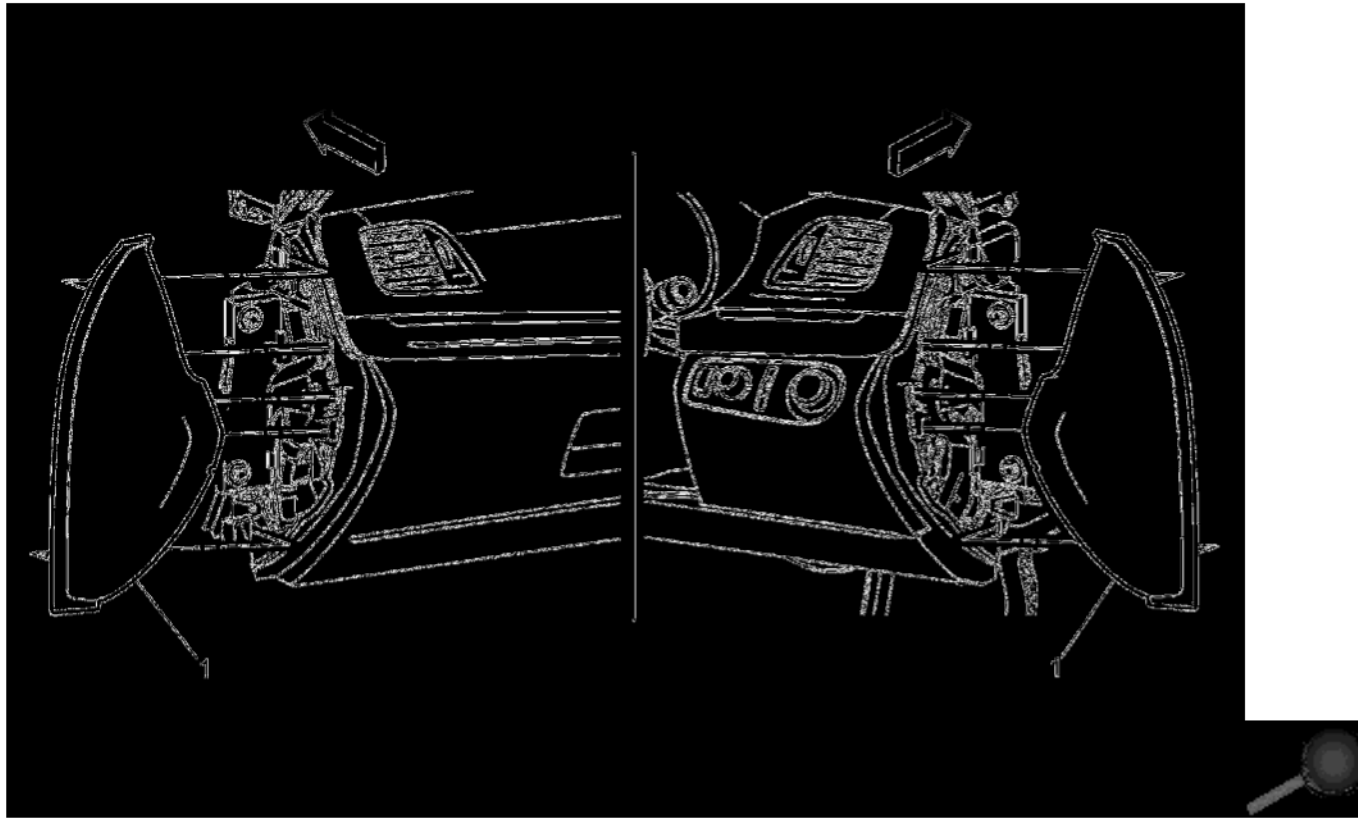
7. Install the instrument panel assembly fasteners (1) and tighten to 2.5N•m (22 lb in).



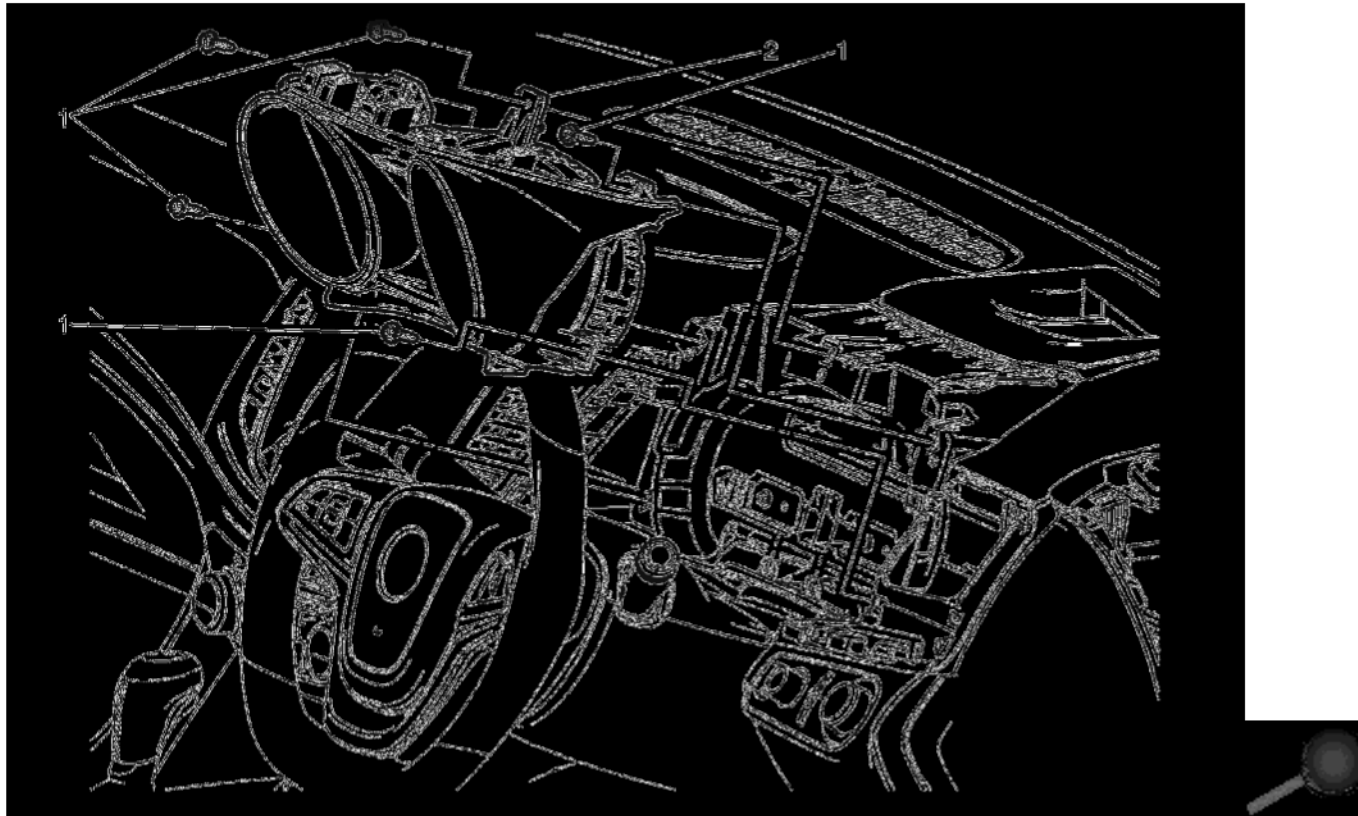
8. Install the right front floor air outlet duct (2) and disconnect the lower right duct air temperature sensor. Refer to [Floor Front Air Outlet Duct Replacement - Right Side](#).



9. Install the instrument panel lower trim panel (1). Refer to [Instrument Panel Lower Trim Panel Replacement](#).

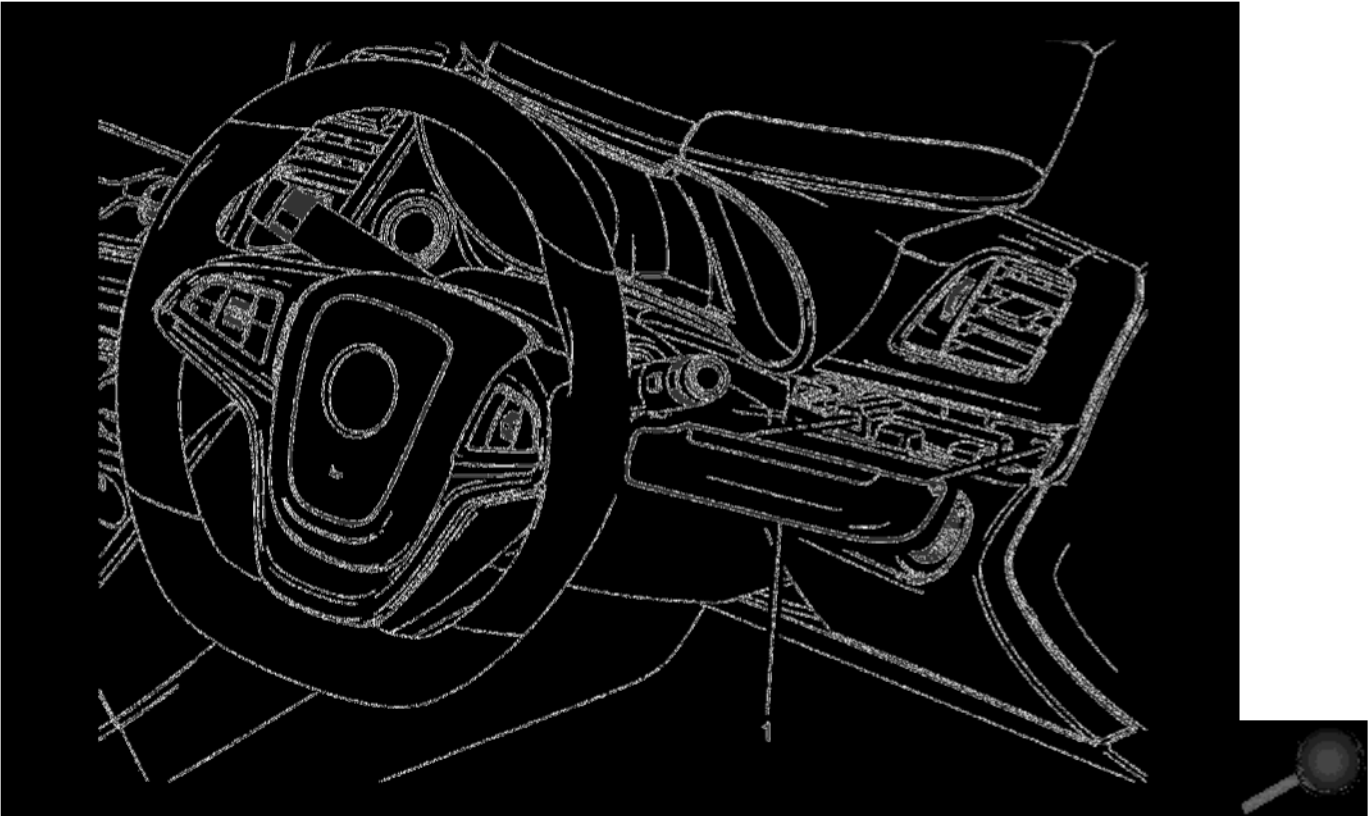


10. Install the right instrument panel outer trim cover (1). Refer to [Instrument Panel Outer Trim Cover Replacement](#).



11. Install the instrument cluster (2) complete with the steering column upper trim cover and fabric closeout attached. Take caution to ensure the fabric closeout base plate pegs are engaged correctly. Refer to [Instrument Cluster Replacement](#).

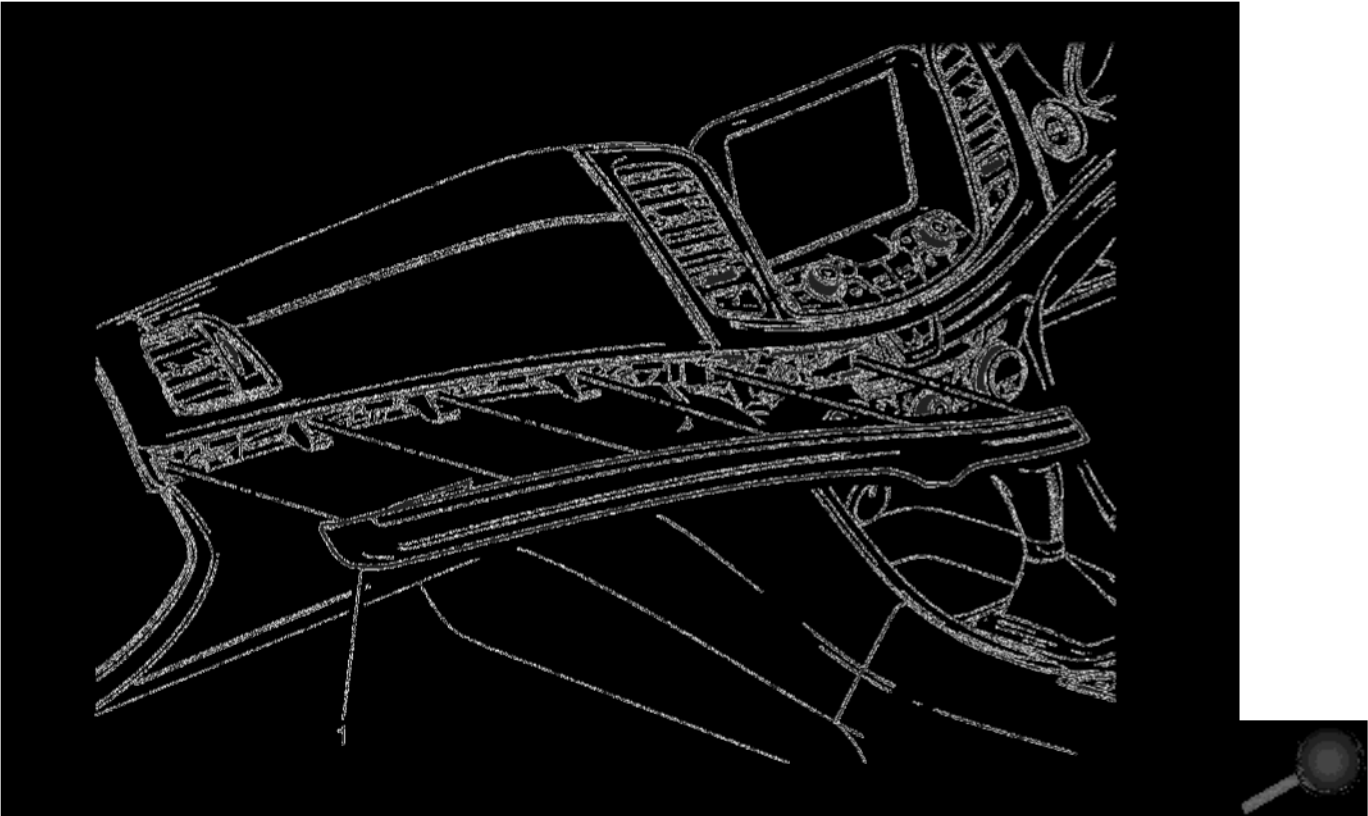
Instrument Panel Trim Plate Applique Replacement - Right Side



Instrument Panel Trim Plate Applique Replacement - Right Side

Callout	Component Name
1	Instrument Panel Trim Plate Applique - Right Side Procedure © 2014 General Motors. All rights reserved. Use a flat bladed plastic trim tool to aid in the removal of the trim plate applique from the instrument panel assembly.

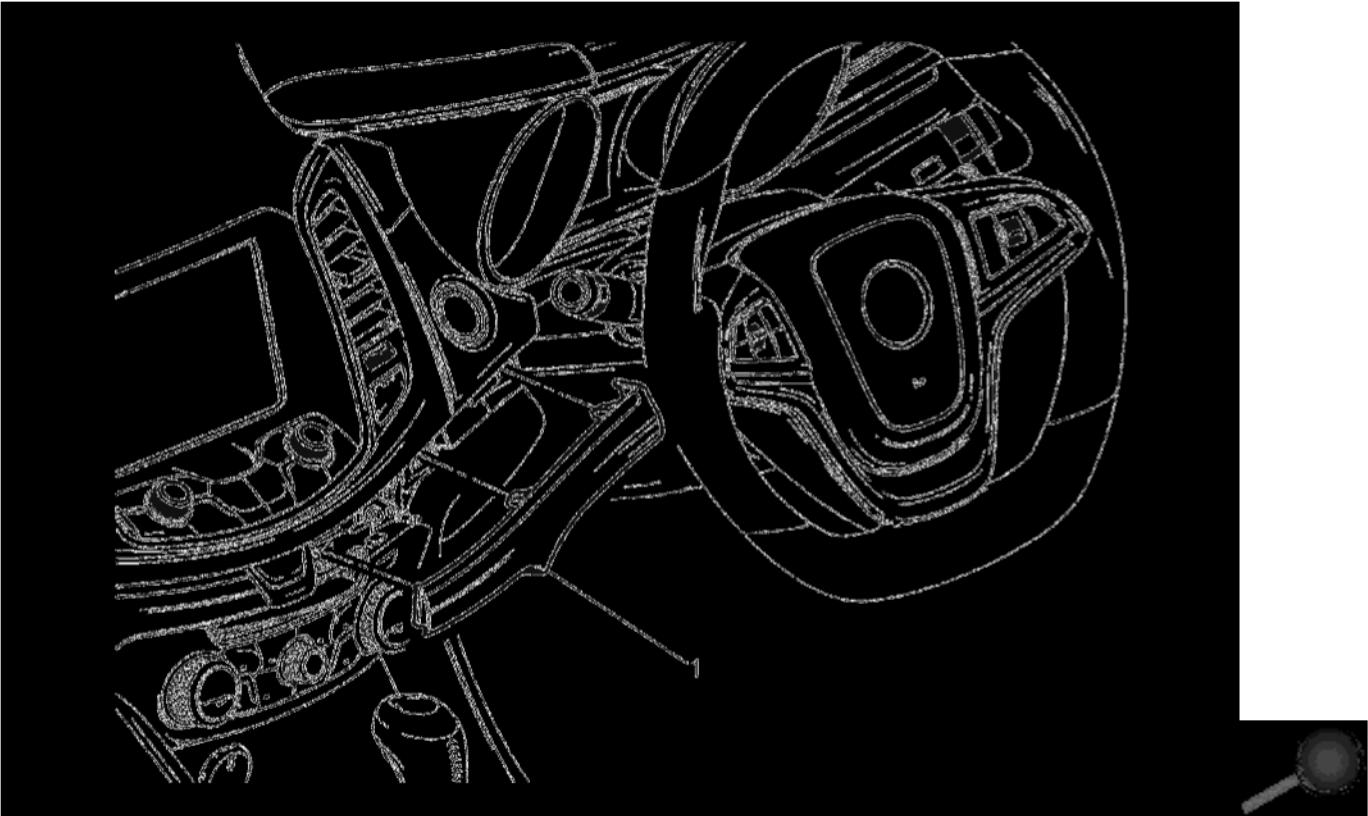
Instrument Panel Trim Plate Applique Replacement - Left Side



Instrument Panel Trim Plate Applique Replacement - Left Side

Callout	Component Name
1	Instrument Panel Trim Plate Applique - Left Side Procedure © 2014 General Motors. All rights reserved. Use a flat bladed plastic trim tool to aid in the removal of the trim plate applique from the instrument panel assembly.

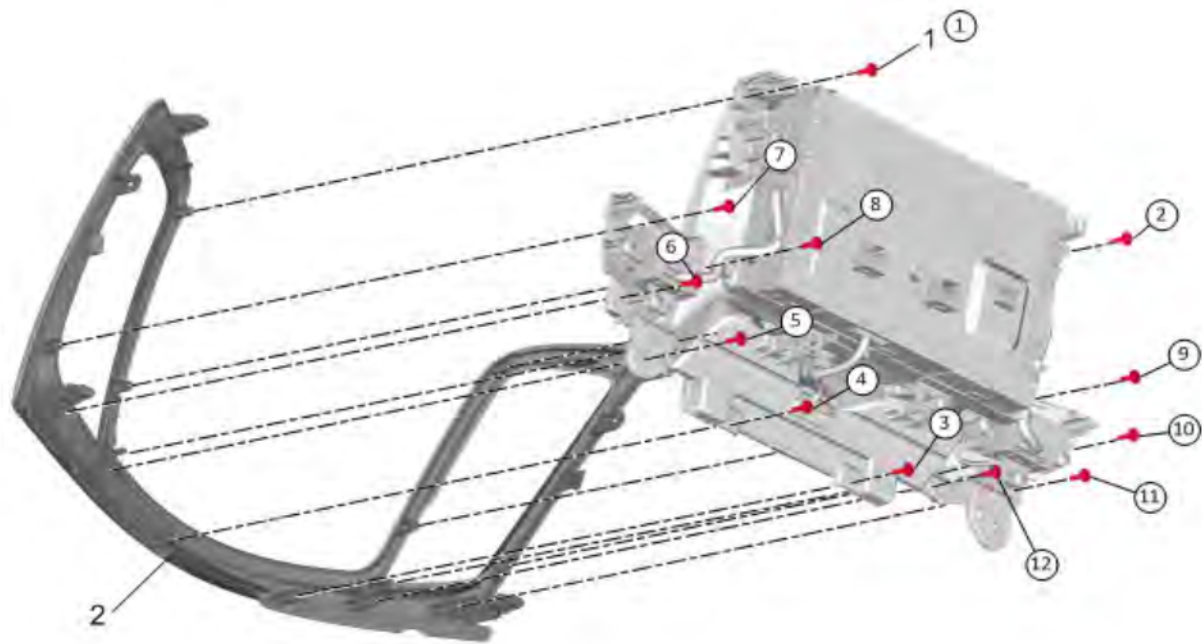
Instrument Panel Center Trim Plate Applique Replacement



Instrument Panel Center Trim Plate Applique Replacement

Callout	Component Name
1	Instrument Panel Center Trim Plate Applique Procedure © 2014 General Motors. All rights reserved. Use a flat bladed plastic trim tool to aid in the removal of the trim plate applique from the instrument panel assembly.

Instrument Panel Trim Plate Replacement (Vent Bezel)

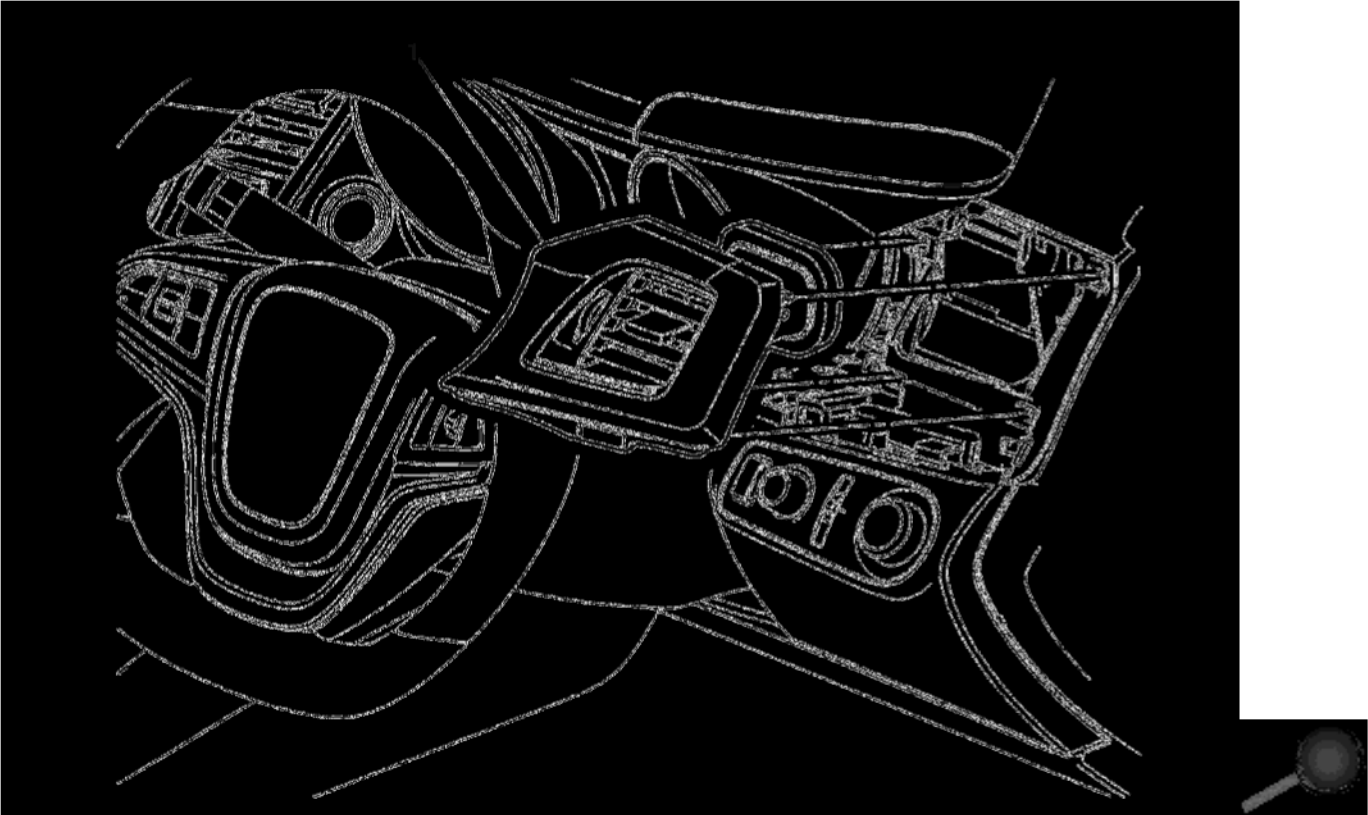


Instrument Panel Trim Plate Replacement

Callout	Component Name
Preliminary Procedure Remove the instrument panel center air outlet. Refer to Instrument Panel Center Air Outlet Replacement .	
	Radio Control Bolt (Qty: 12) Caution: Refer to Fastener Caution .

1	Tighten 2.5 N•m (22 lb in) Note: Tighten the fasteners in sequence.
2	Instrument Panel Trim Plate Procedures 1. Place the radio faceplate face down onto a clean, soft surface while accessing the fasteners. 2. Align the two pins at the bottom of the plate to the radio faceplate. 3. Achieve a flush fit between the bezel and the radio control at the fastener 1 and 2 locations.

Instrument Panel Upper Trim Panel Replacement - Right Side



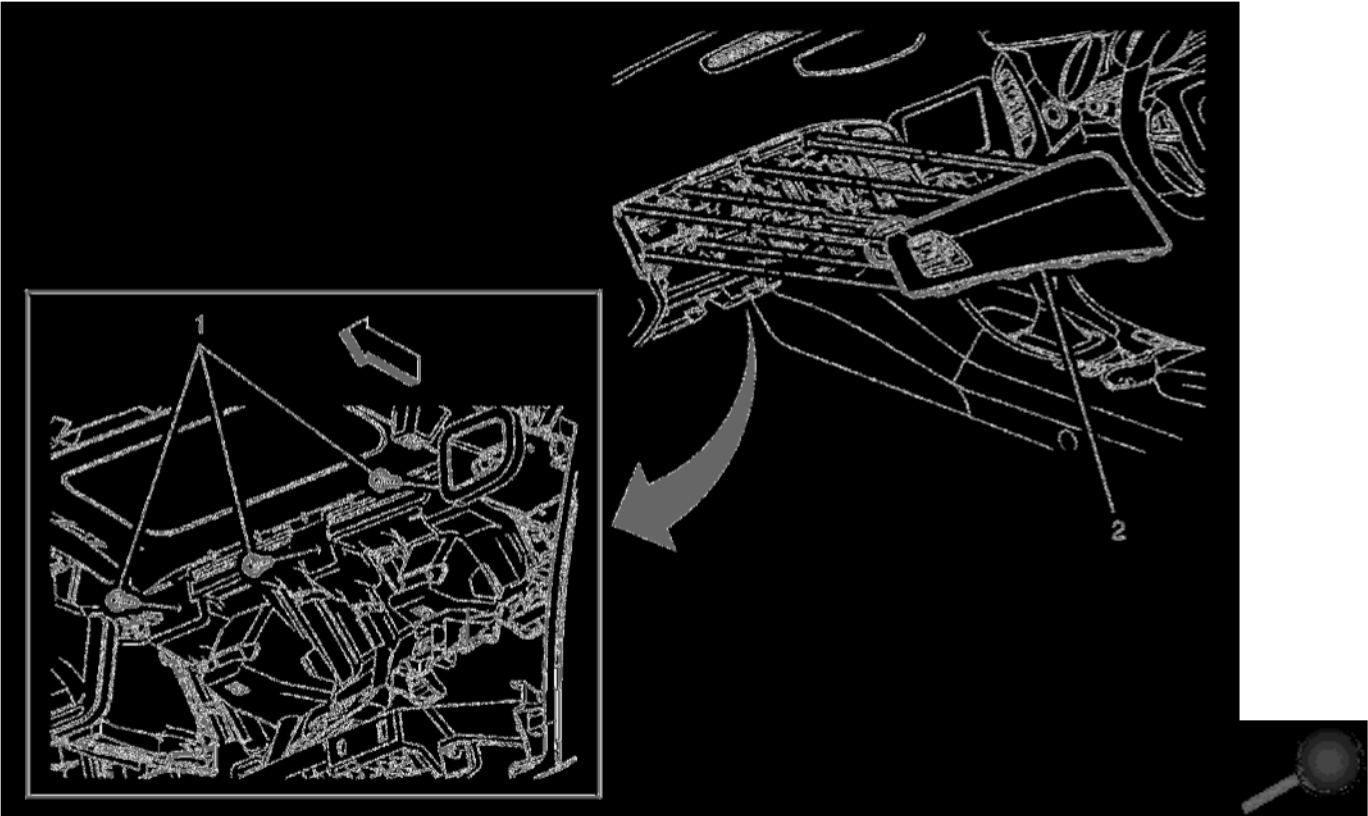
Instrument Panel Upper Trim Panel Replacement - Right Side

Callout	Component Name
Preliminary Procedure Remove the right instrument panel trim plate applique. Refer to Instrument Panel Trim Plate Applique Replacement - Right Side .	
	Instrument Panel Upper Trim Panel - Right Side
	Procedure

1

1. Use a flat bladed plastic trim tool in order to release the retainers securing the trim panel to the instrument panel assembly.
2. Transfer components as necessary.

Instrument Panel Upper Trim Panel Replacement - Left Side

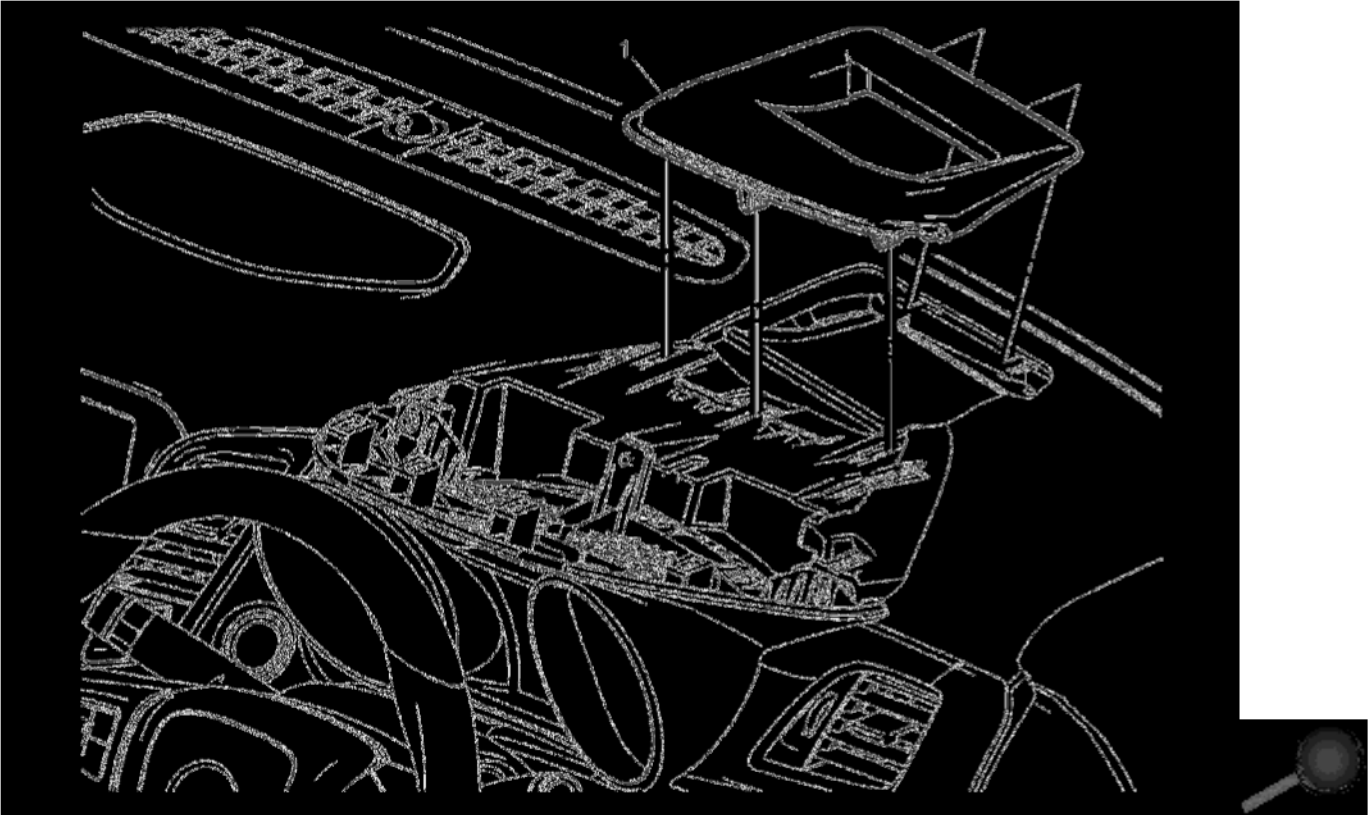


Instrument Panel Upper Trim Panel Replacement - Left Side

Callout	Component Name
Preliminary Procedure Remove the instrument panel compartment door opening frame. Refer to Instrument Panel Compartment Door Opening Frame Replacement . © 2014 General Motors. All rights reserved.	
	Instrument Panel Upper Trim Panel Bolt (Qty: 3)

1	Caution: Refer to Fastener Caution . Tighten 2.5 N•m (22 lb in)
2	Instrument Panel Upper Trim Panel - Left Side Procedure 1. Use a flat bladed plastic trim tool in order to release the retainers securing the trim panel to the instrument panel assembly. 2. Transfer components as necessary.

Head-Up Display Bezel Replacement



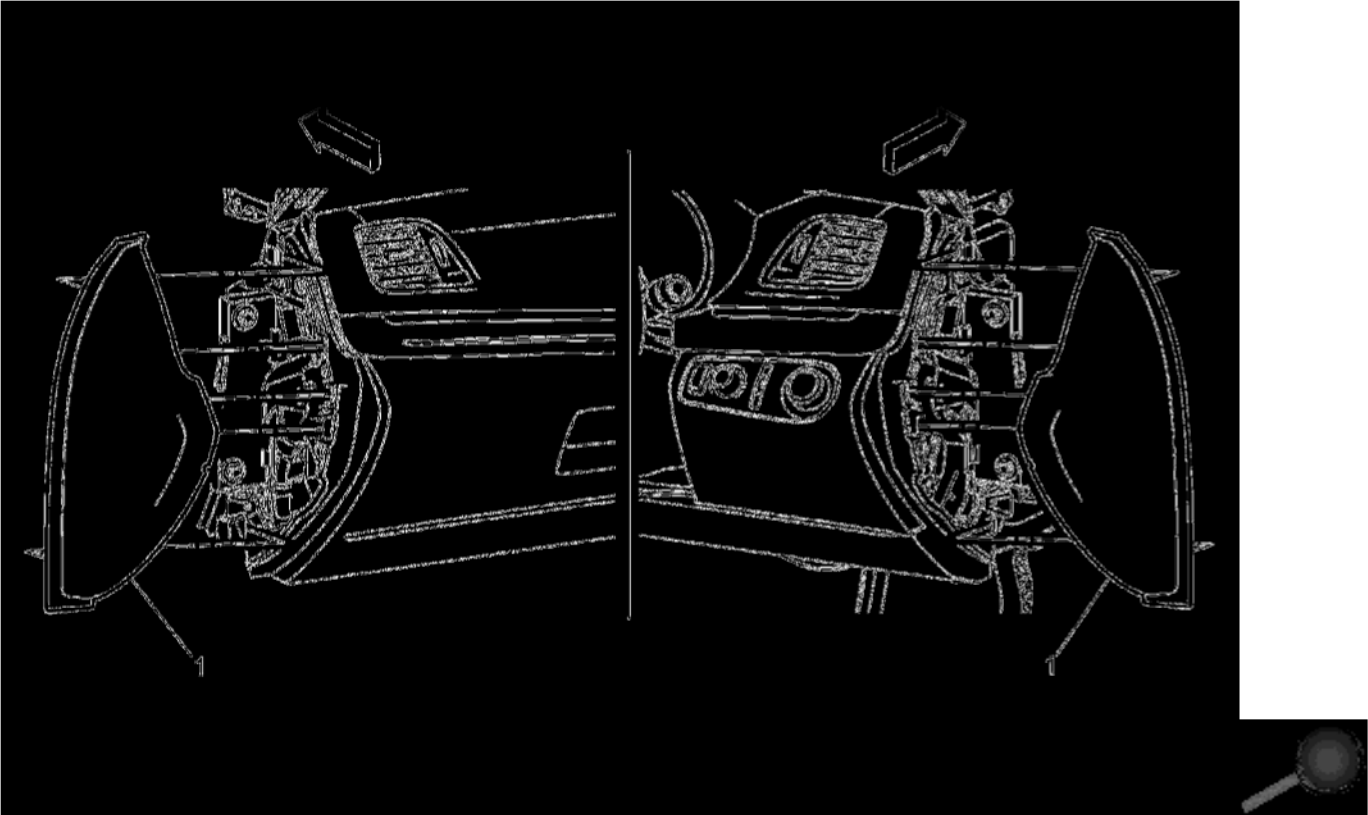
Head-Up Display Bezel Replacement

Callout	Component Name
Preliminary Procedure Remove the instrument panel instrument cluster hood. Refer to Instrument Panel Instrument Cluster Hood Replacement .	
	Head-Up Display Bezel
	Procedure

1

Use a flat bladed plastic trim tool in order to release the retainers securing the bezel to the instrument panel assembly at the front edge then lever upwards and out to detach the rear retainers.

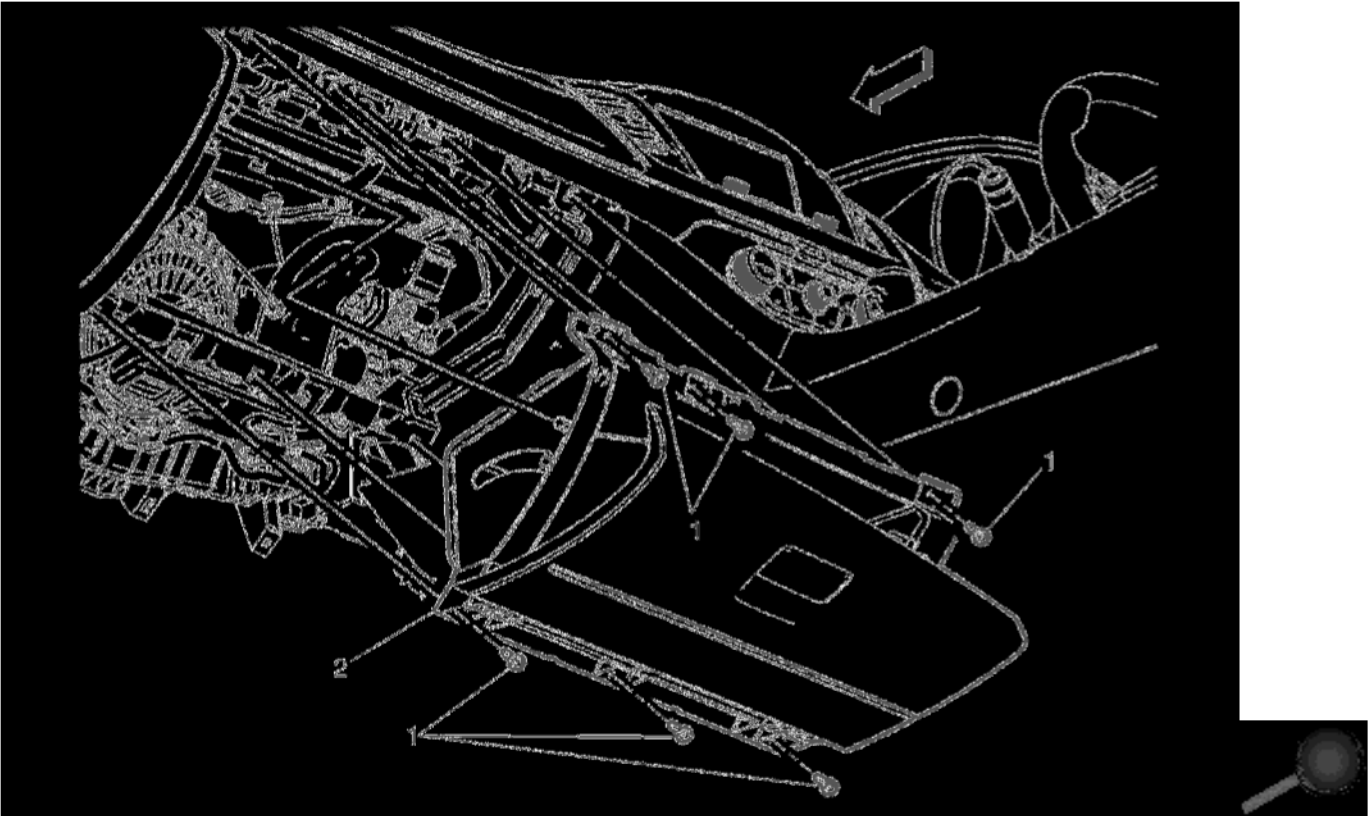
Instrument Panel Outer Trim Cover Replacement



Instrument Panel Outer Trim Cover Replacement

Callout	Component Name
1	Instrument Panel Outer Trim Covers (Right or Left) Procedure © 2014 General Motors. All rights reserved. Use a flat bladed plastic trim tool inserted in the cut out, lever the cover away from the instrument panel in order to release the retainer clips securing the outer covers to the instrument panel assembly.

Instrument Panel Compartment Door Opening Frame Replacement

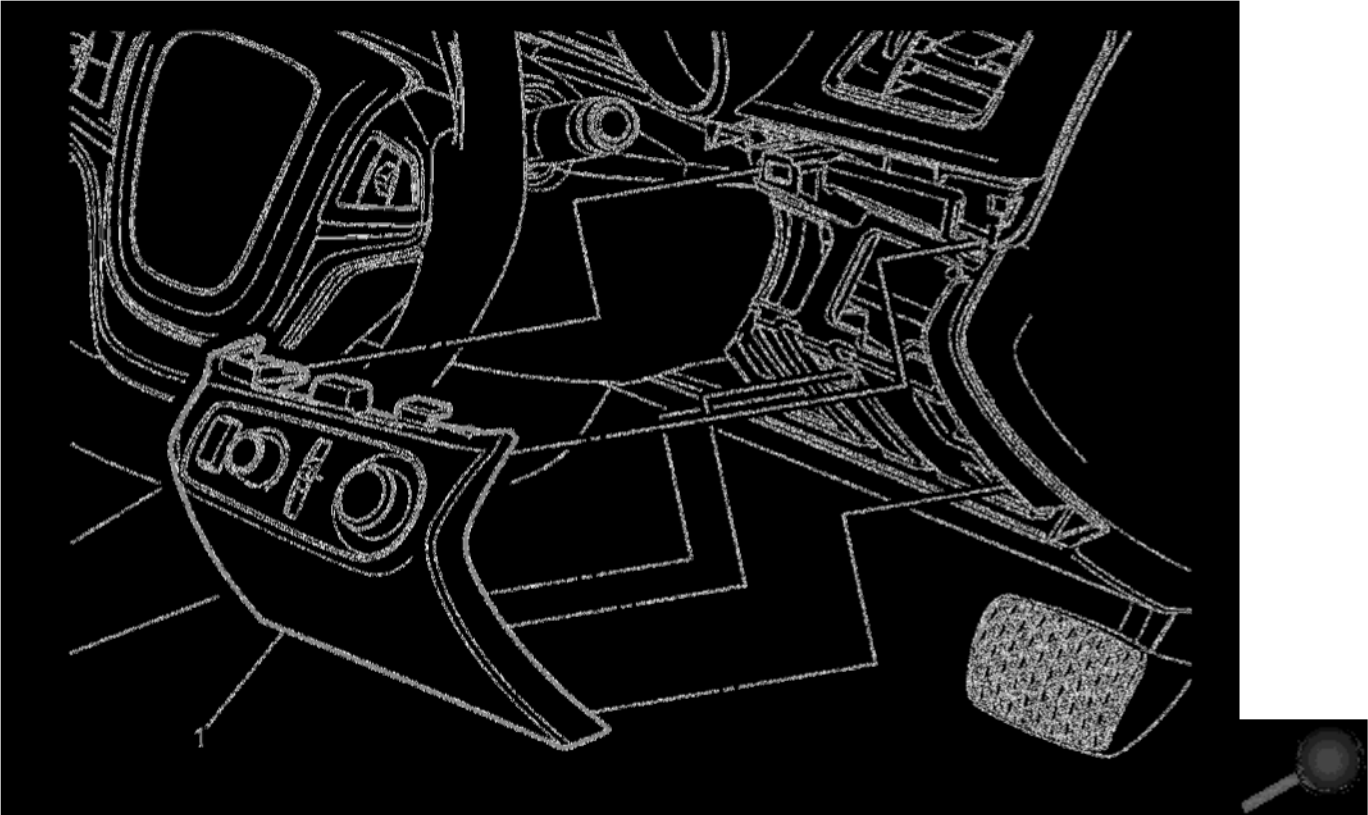


Instrument Panel Compartment Door Opening Frame Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the left instrument panel trim plate applique. Refer to Instrument Panel Trim Plate Applique Replacement - Left Side .	
2. Remove the left instrument panel lower trim panel insulator. Refer to Instrument Panel Lower Trim Panel Insulator Replacement - Left Side .	

1	Instrument Panel Compartment Door Opening Frame Bolt (Qty: 6) Caution: Refer to Fastener Caution . Tighten 2.5 N•m (22 lb in)
2	Instrument Panel Compartment Door Opening Frame Procedure 1. Disconnect electrical connections. 2. Transfer all necessary components.

Instrument Panel Lower Trim Panel Replacement



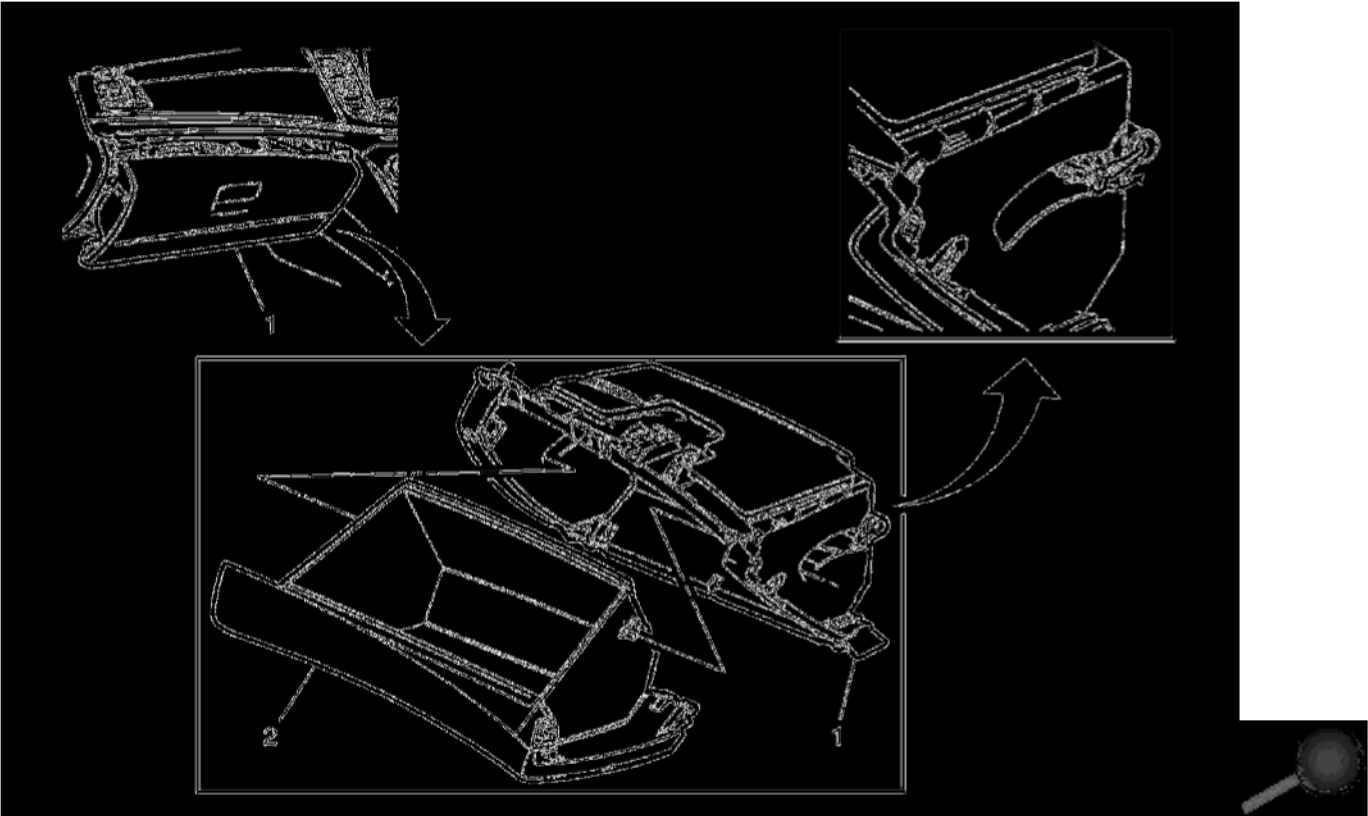
Instrument Panel Lower Trim Panel Replacement

Callout	Component Name
Preliminary Procedure Remove the right instrument panel trim plate applique. Refer to Instrument Panel Trim Plate Applique Replacement - Right Side .	
	Instrument Panel Lower Trim Panel
	Procedure

1

1. Use a flat bladed plastic trim tool in order to release the retainers securing the trim panel to the instrument panel assembly.
2. Disconnect the electrical connection.
3. Transfer components as necessary.

Instrument Panel Compartment Door Replacement



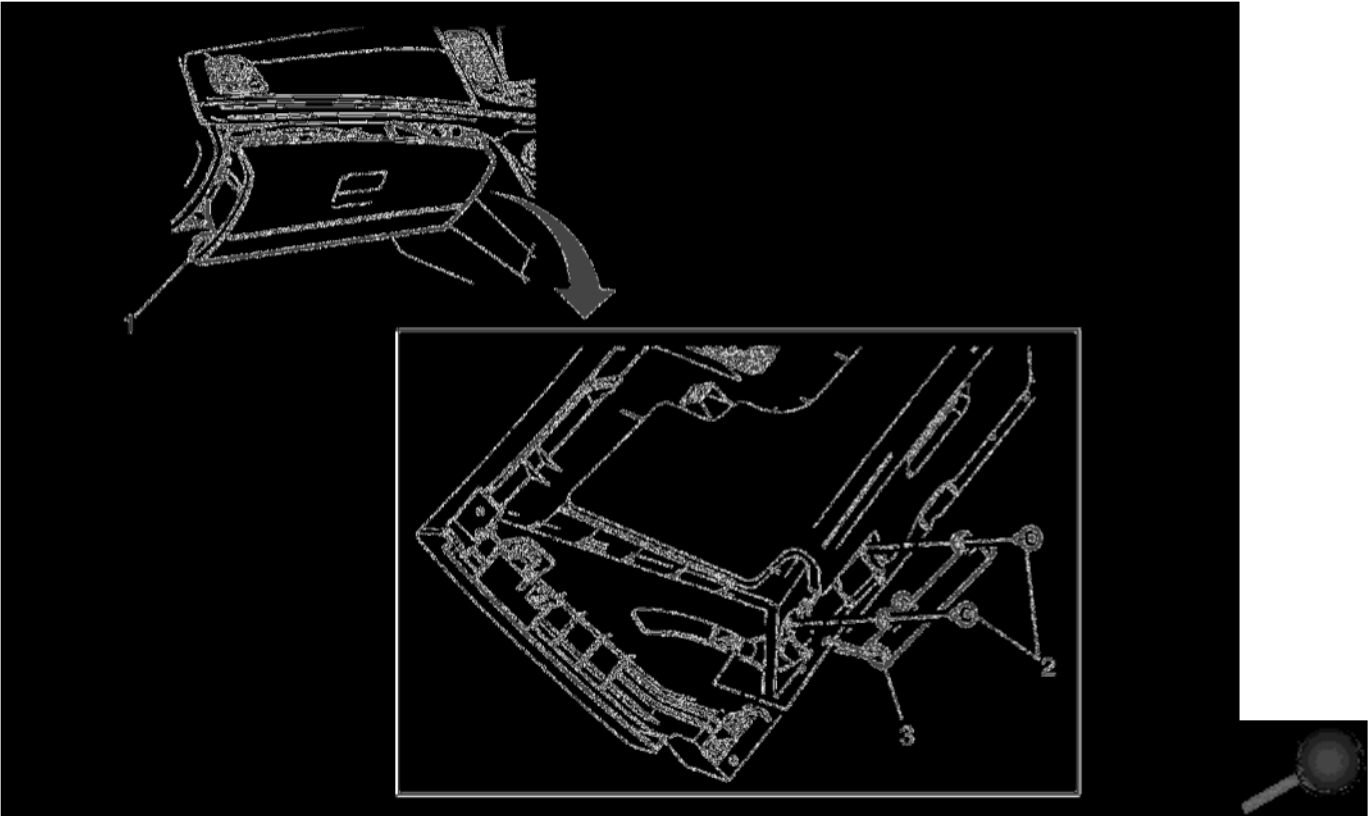
Instrument Panel Compartment Door Replacement

Callout	Component Name
1	Instrument Panel Compartment Door Opening Frame. Refer to Instrument Panel Compartment Door Opening Frame Replacement .
	Instrument Panel Compartment Door
	Procedures

2

1. Disconnect the instrument panel compartment door dampener from the compartment assembly.
2. Squeeze the sides of the compartment assembly and allow the compartment to move past the compartment stops.
3. Unsnap the compartment assembly from the instrument panel compartment door opening frame.

Instrument Panel Compartment Door Dampener Replacement



Instrument Panel Compartment Door Dampener Replacement

Callout	Component Name
1	Instrument Panel Compartment Door Opening Frame. Refer to Instrument Panel Compartment Door Opening Frame Replacement .
	Instrument Panel Compartment Door Dampener Bolt (Qty: 2) Caution: Refer to Fastener Caution .

2	Tighten 1.5 N•m (13 lb in)
3	Instrument Panel Compartment Door Dampener Procedure Disconnect the instrument panel compartment door dampener from the compartment assembly.

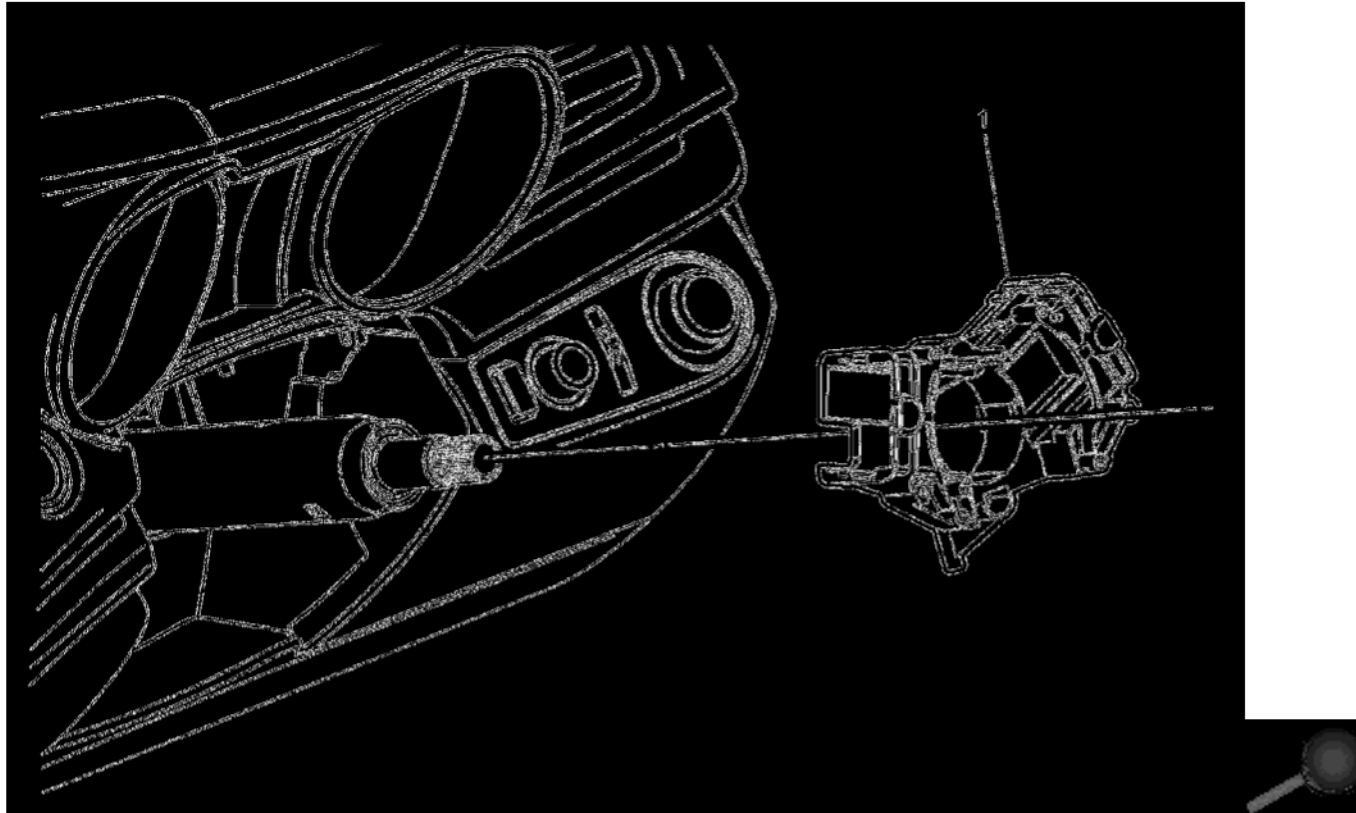
Callout	Component Name
Preliminary Procedure Remove the instrument panel center trim plate applique. Refer to Instrument Panel Center Trim Plate Applique Replacement .	
	Instrument Panel Molding Procedure

1

1. Use a flat bladed plastic trim tool in order to release the retainers securing the molding to the instrument panel assembly.
2. Disconnect the electrical connection.
3. Transfer components as necessary.

Instrument Panel Assembly Replacement

[Removal Procedure](#)

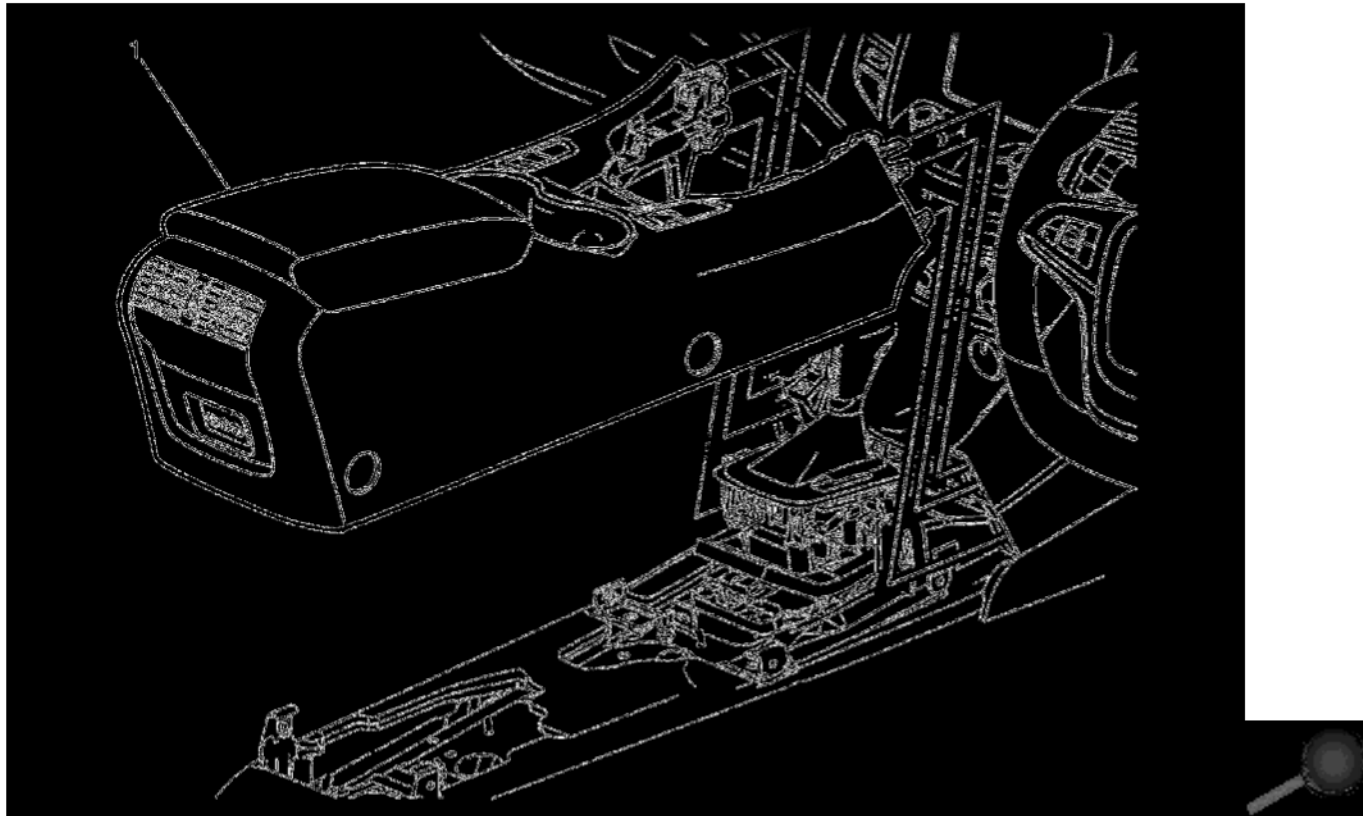


Note: For vehicles fitted with BTM, ensure the electric steering lock mechanism is UNLOCKED before disabling the SIR System. Refer to [SIR Disabling and Enabling](#).

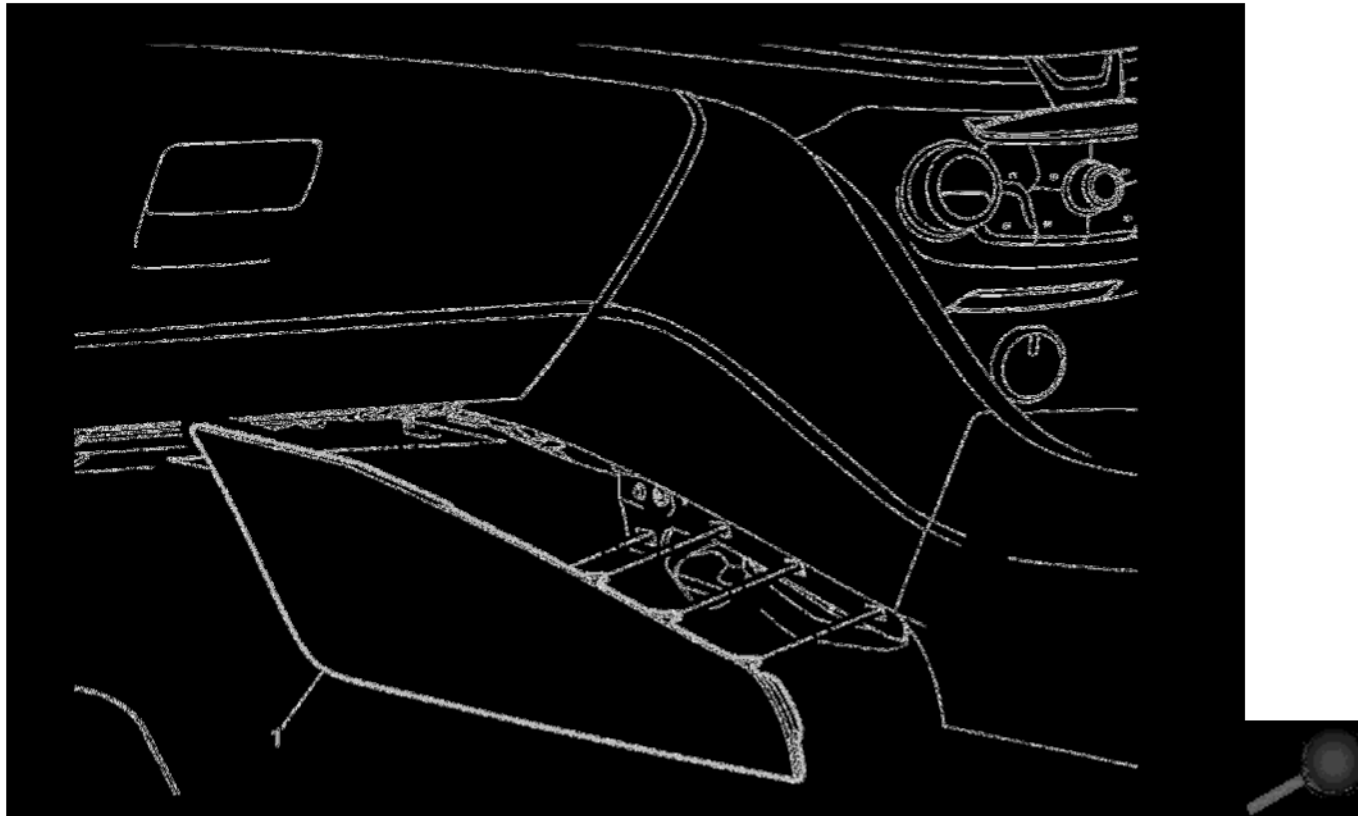
Note: Upon completing this procedure, leave the steering column in the fully lowered and extended position to aid further procedures.

1. Remove the turn signal switch bracket (1). Refer to [Turn Signal Switch Bracket Replacement](#).

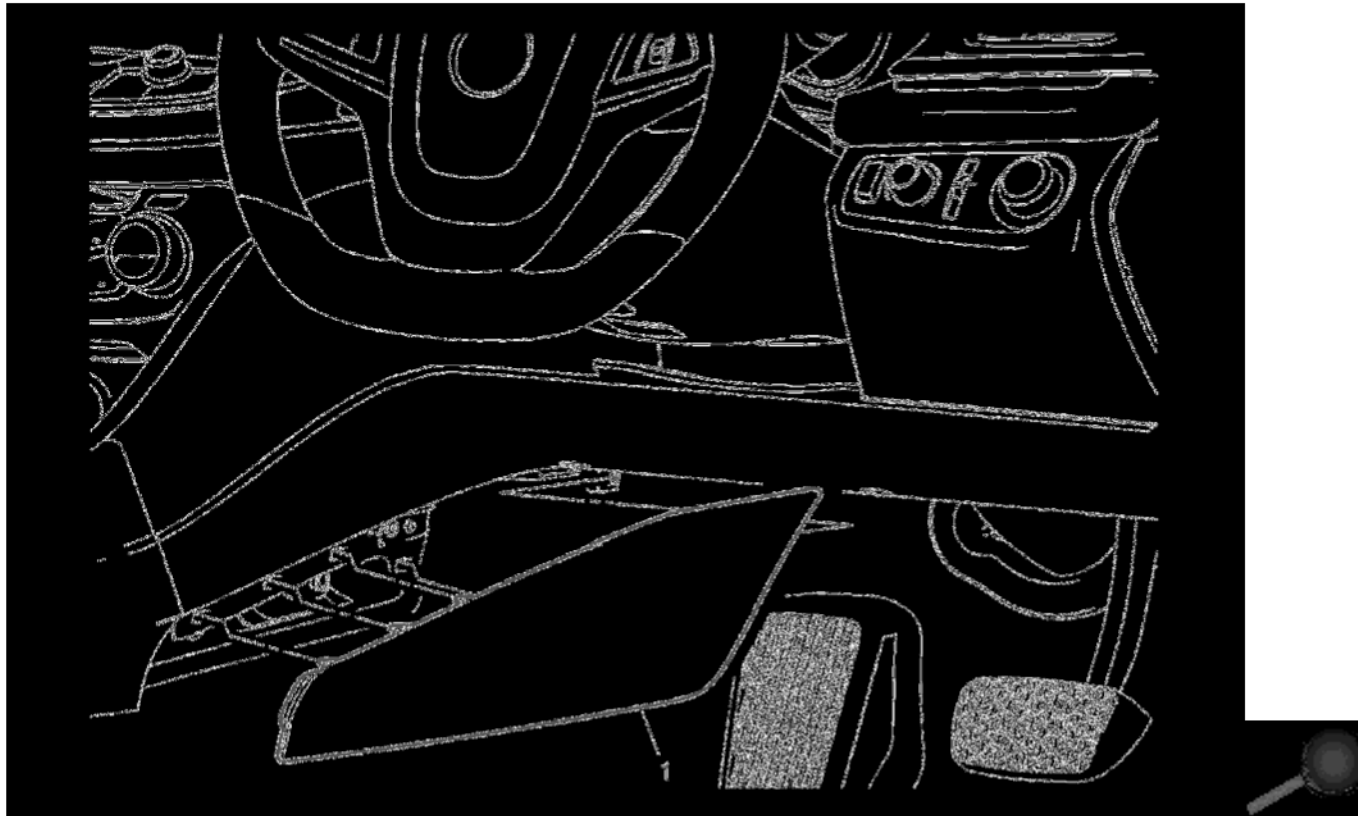
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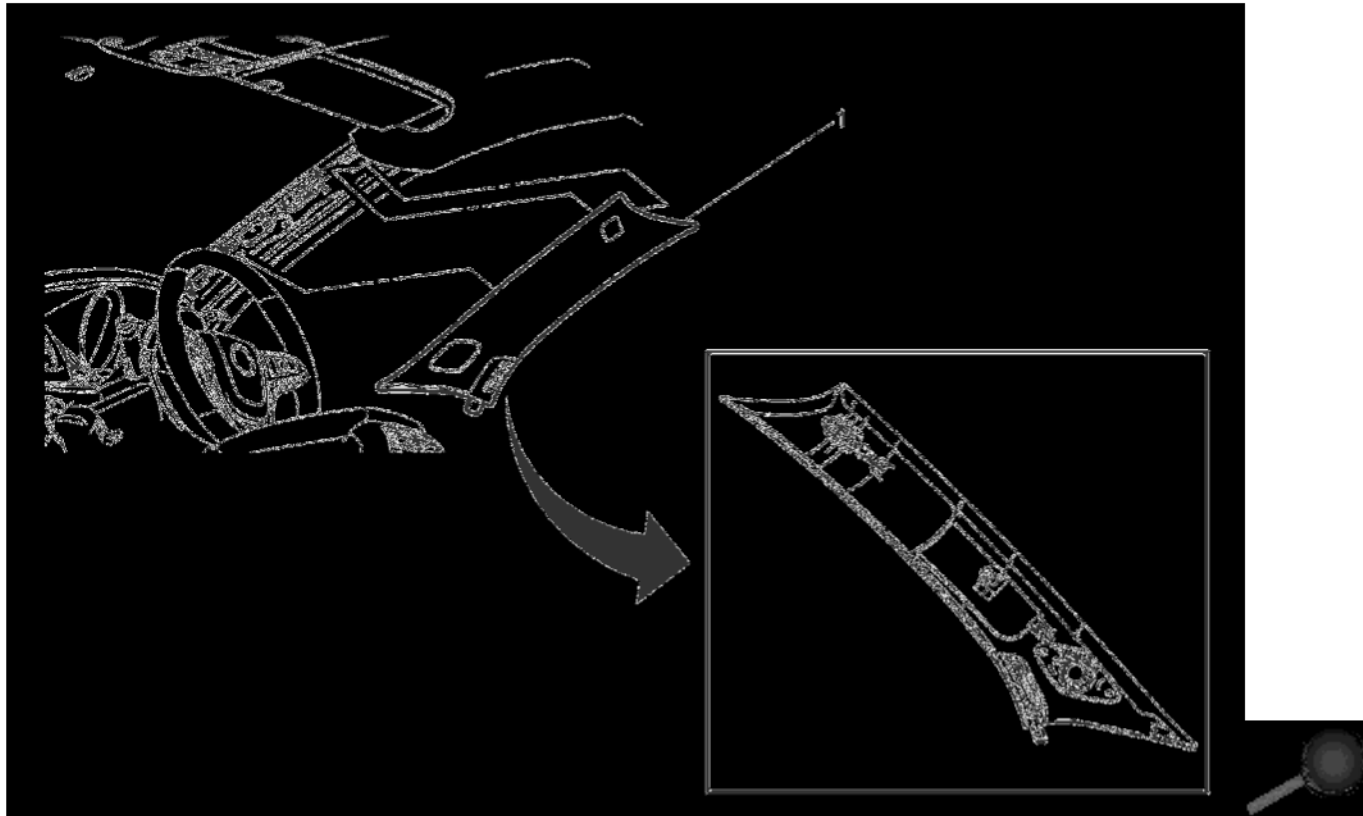
2. Remove the front floor console (1). Refer to [Front Floor Console Replacement](#).



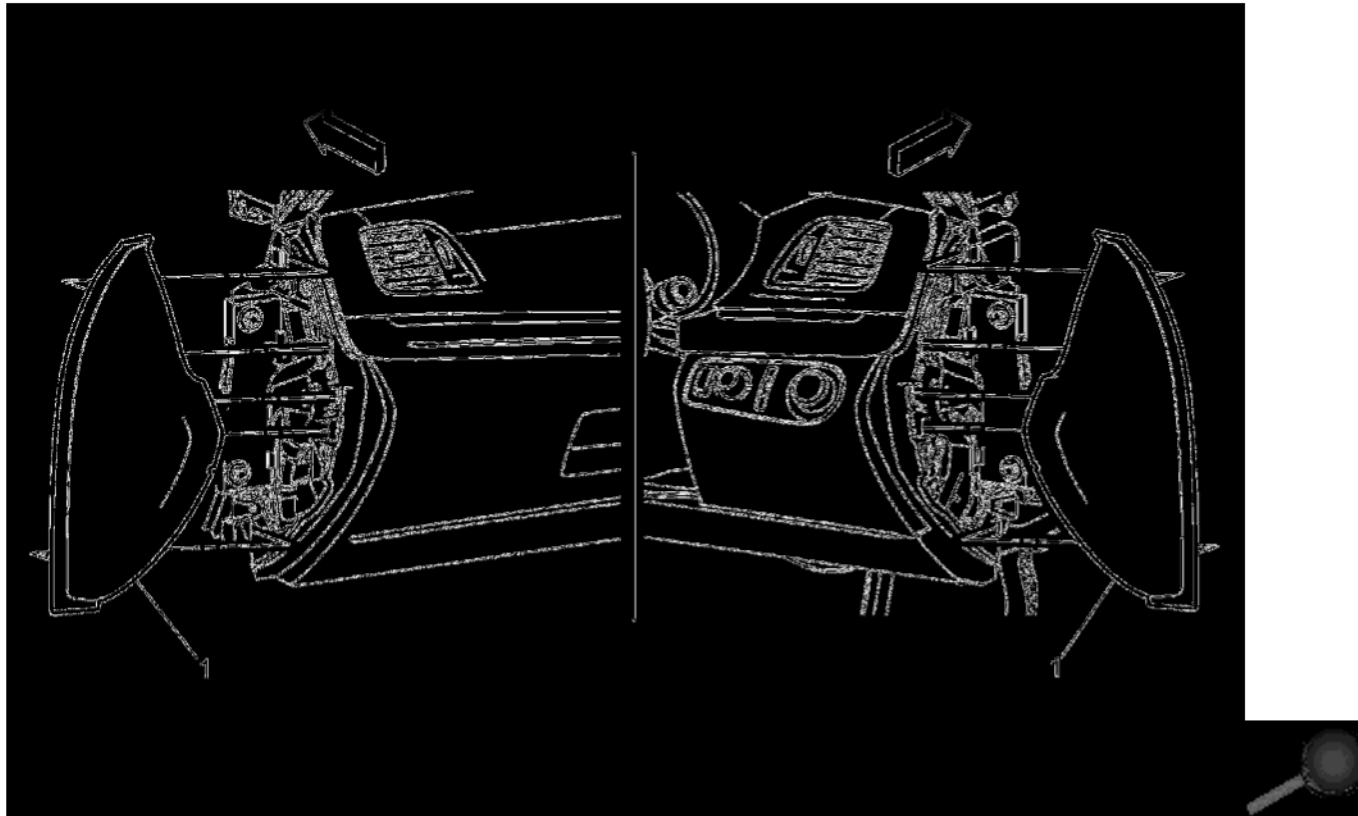
3. Remove the left front floor console extension panel (1). Refer to [Front Floor Console Extension Panel Replacement - Left Side](#).



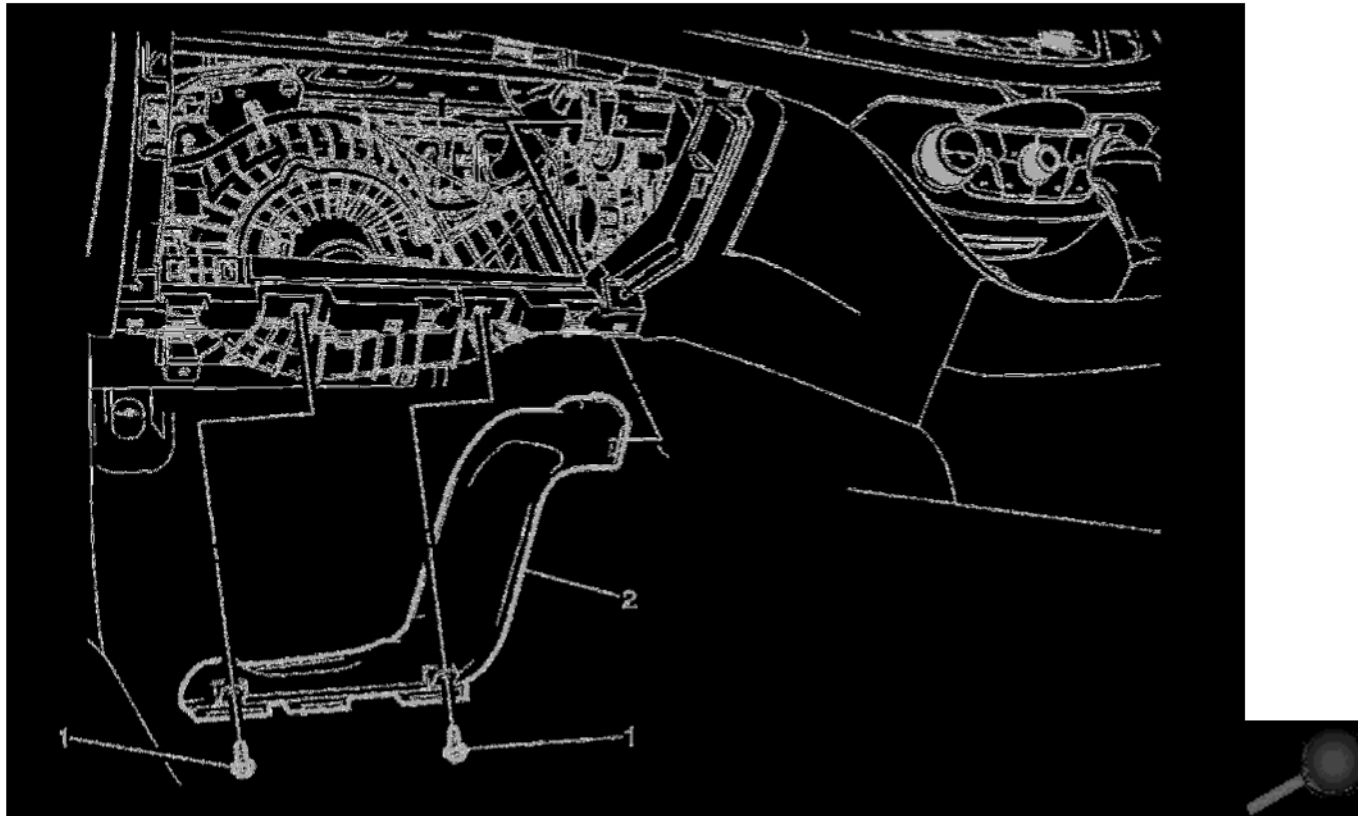
4. Remove the right front floor console extension panel (1). Refer to [Front Floor Console Extension Panel Replacement - Right Side](#).



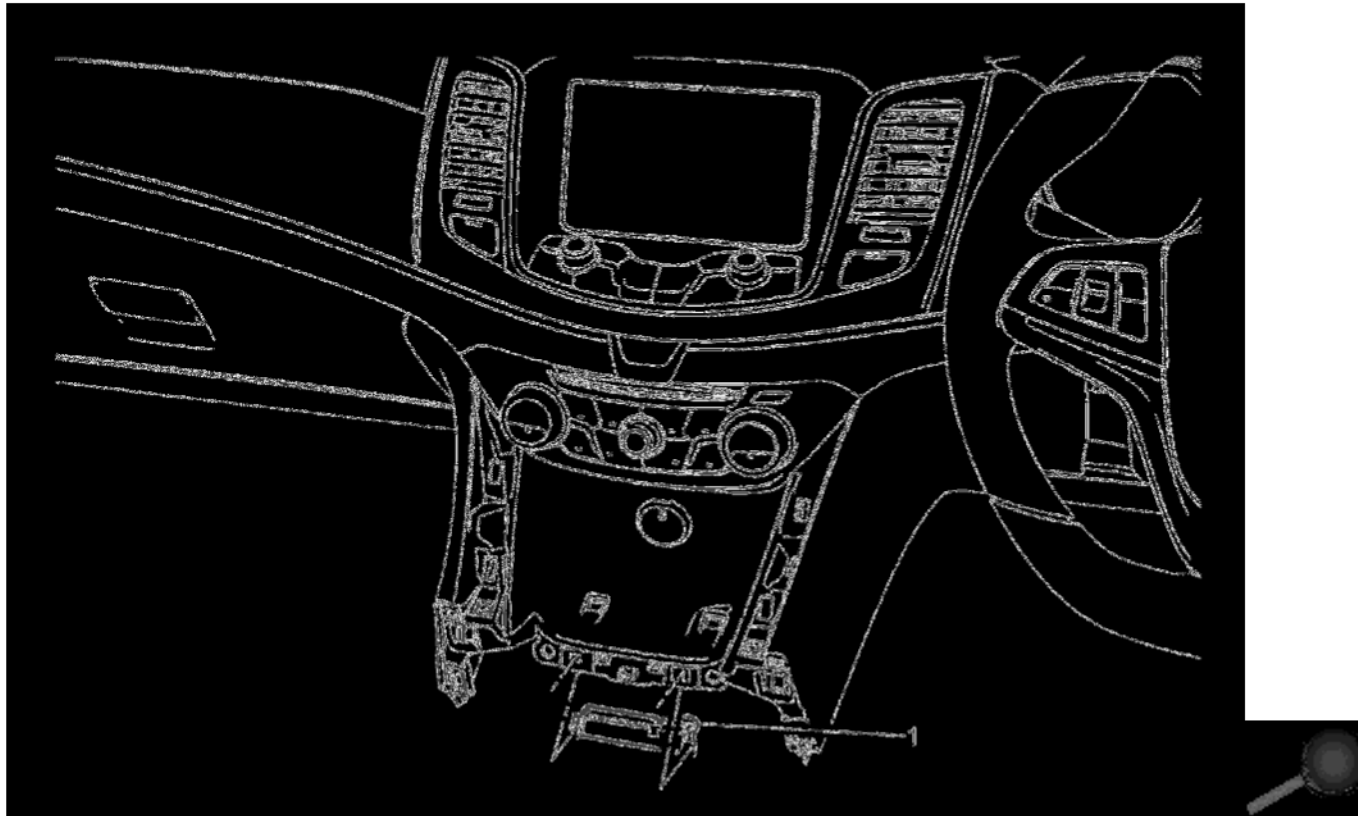
5. Remove the windshield garnish moldings (1). Refer to [Windshield Garnish Molding Replacement](#).



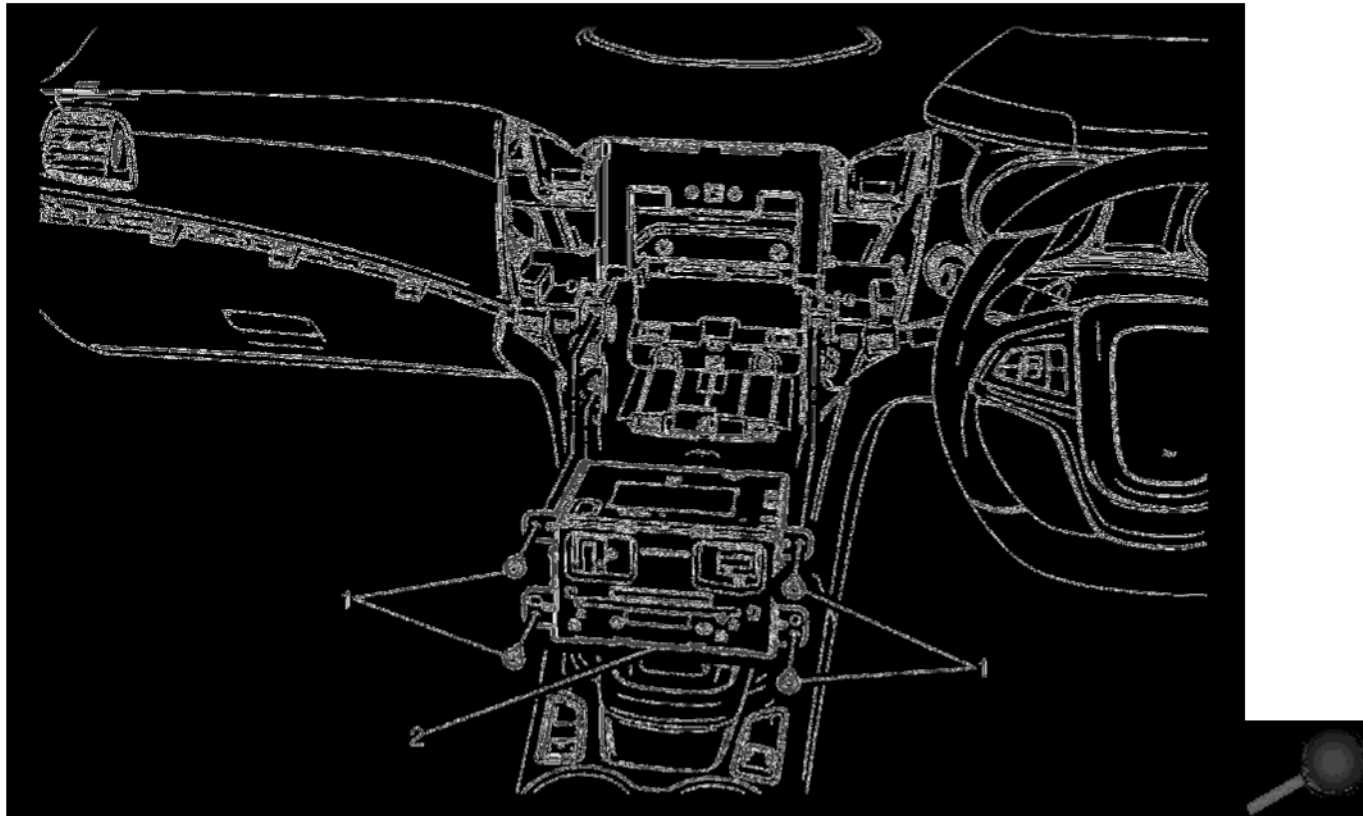
6. Remove the left and right instrument panel outer trim cover (1). Refer to [Instrument Panel Outer Trim Cover Replacement](#).



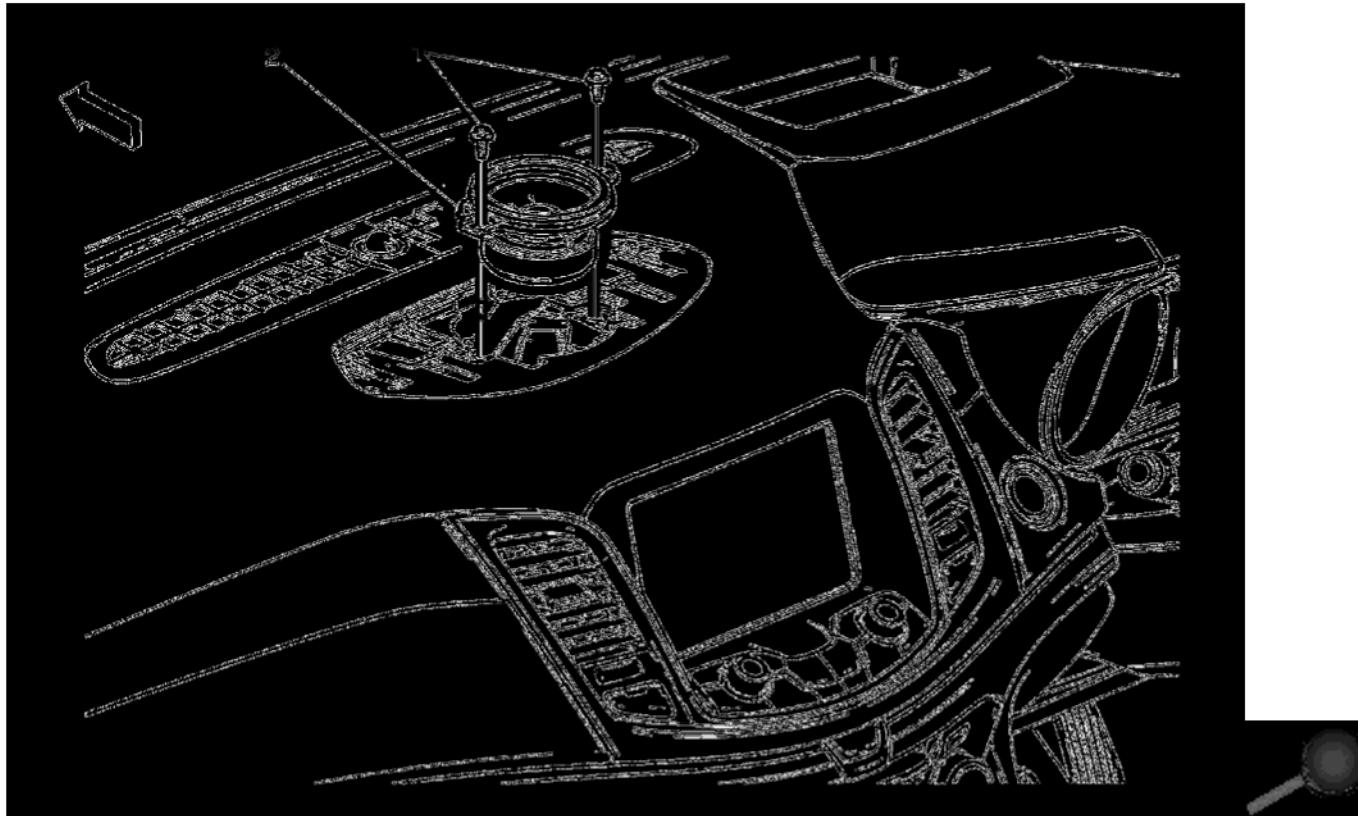
7. Remove the left front floor air outlet duct (2) and disconnect the lower left duct air temperature sensor. Refer to [Floor Front Air Outlet Duct Replacement - Left Side](#).



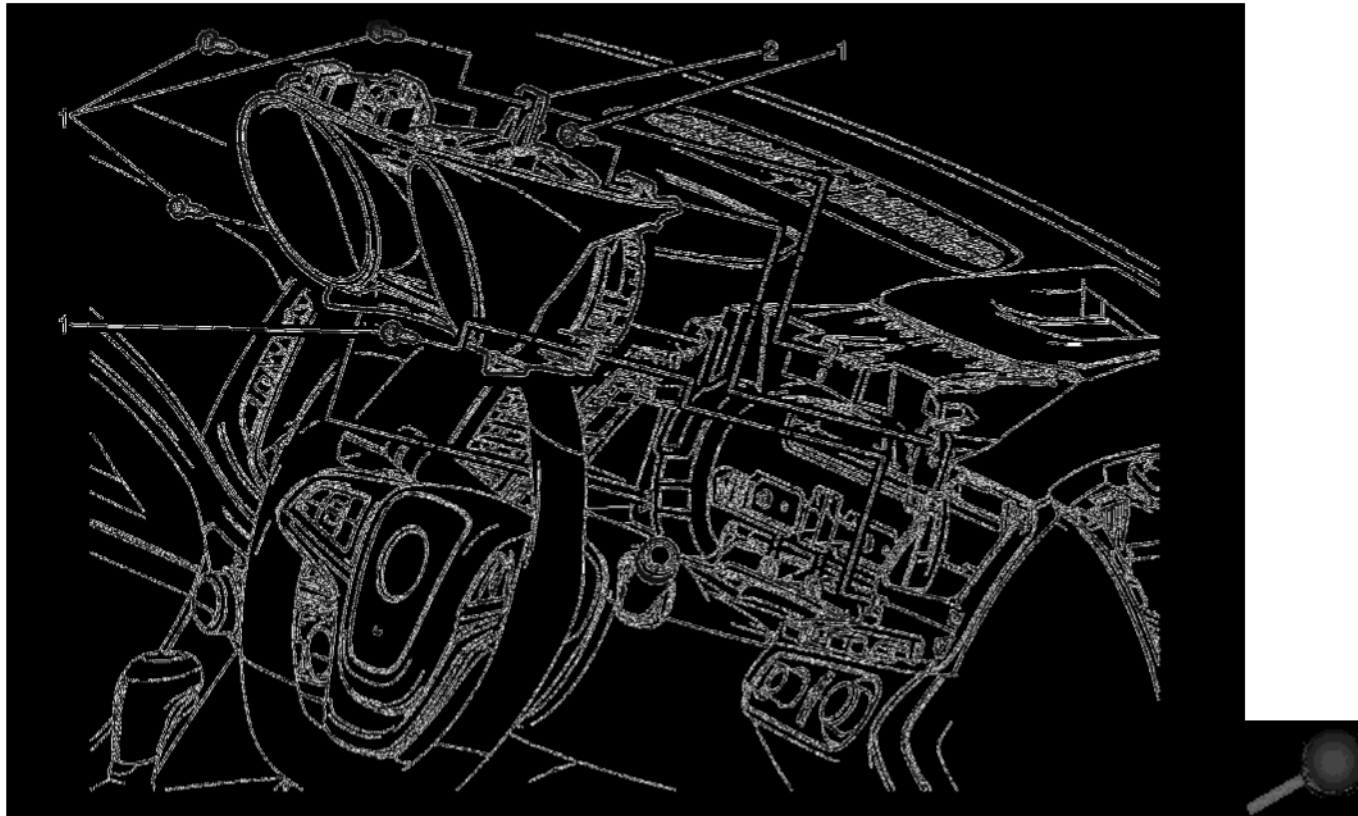
8. Detach the instrument panel ignition lock key transmitter antenna (1), if equipped. Refer to [Ignition Lock Key Transmitter Antenna Replacement - Instrument Panel](#). The antenna will remain in place after detachment.



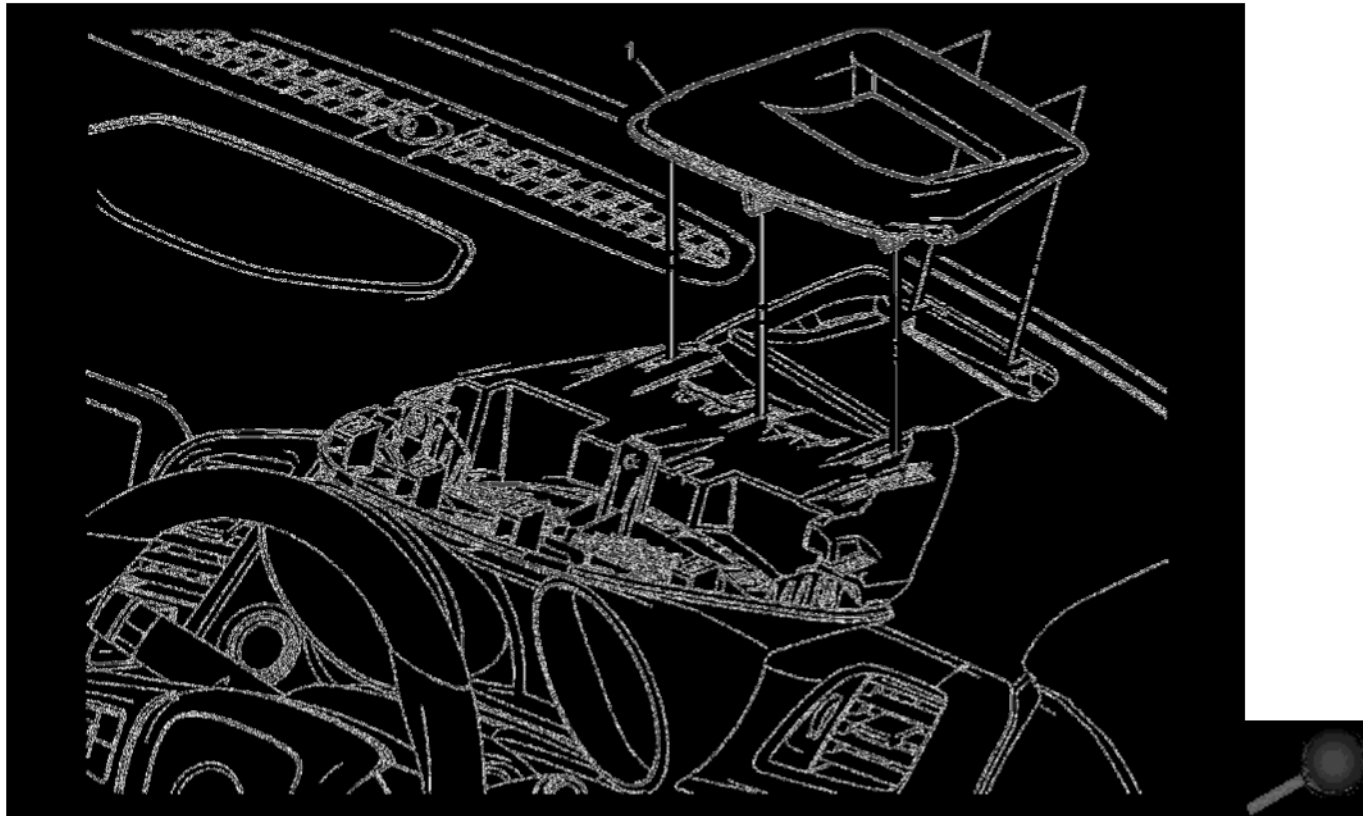
9. Remove the radio (2). Refer to [Radio Replacement](#).



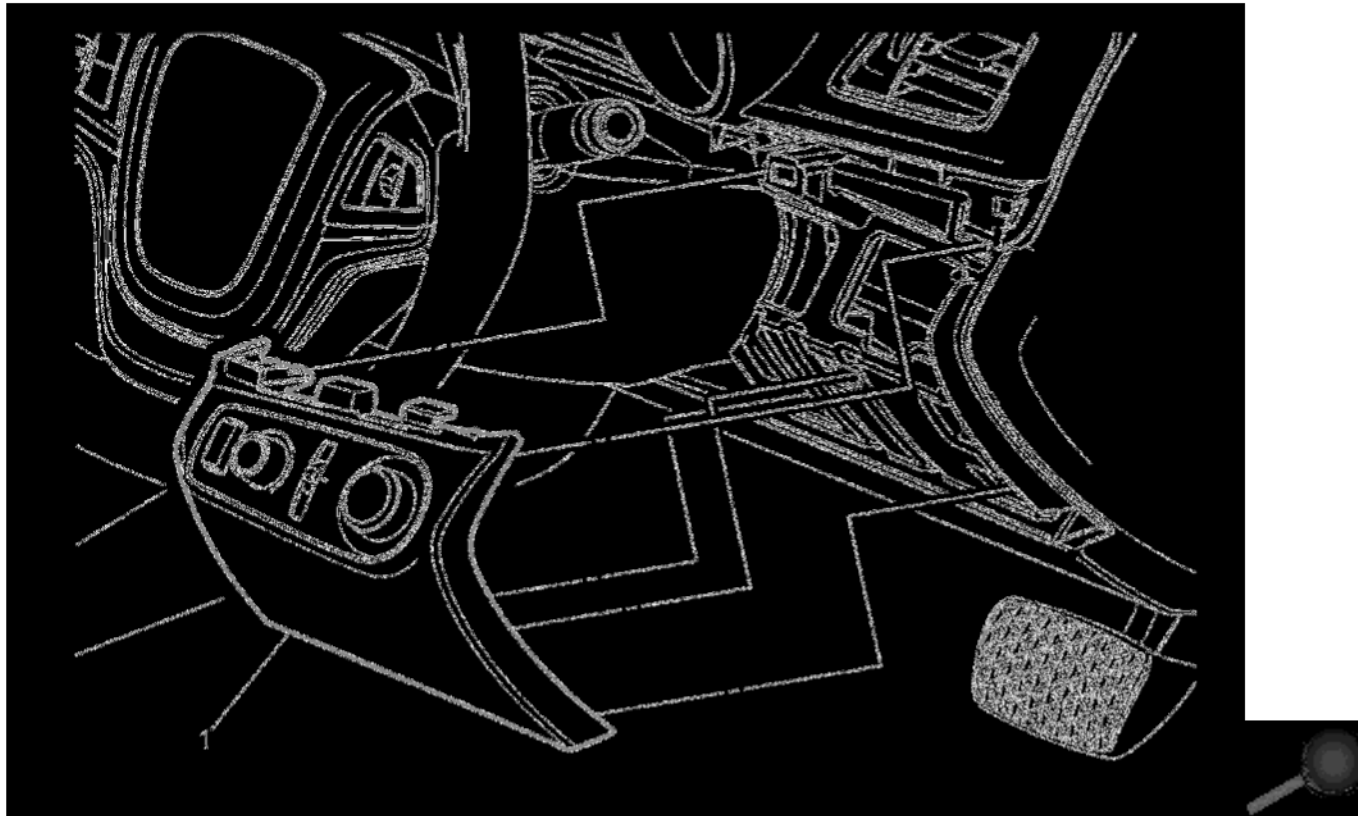
10. Remove the radio front center speaker (2), if equipped. Refer to [Radio Front Center Speaker Replacement](#).



11. Remove the instrument cluster (2) complete with the steering column upper trim cover and fabric closeout attached. Take caution to ensure the fabric closeout base plate pegs are released prior to removal. Refer to [Instrument Cluster Replacement](#).



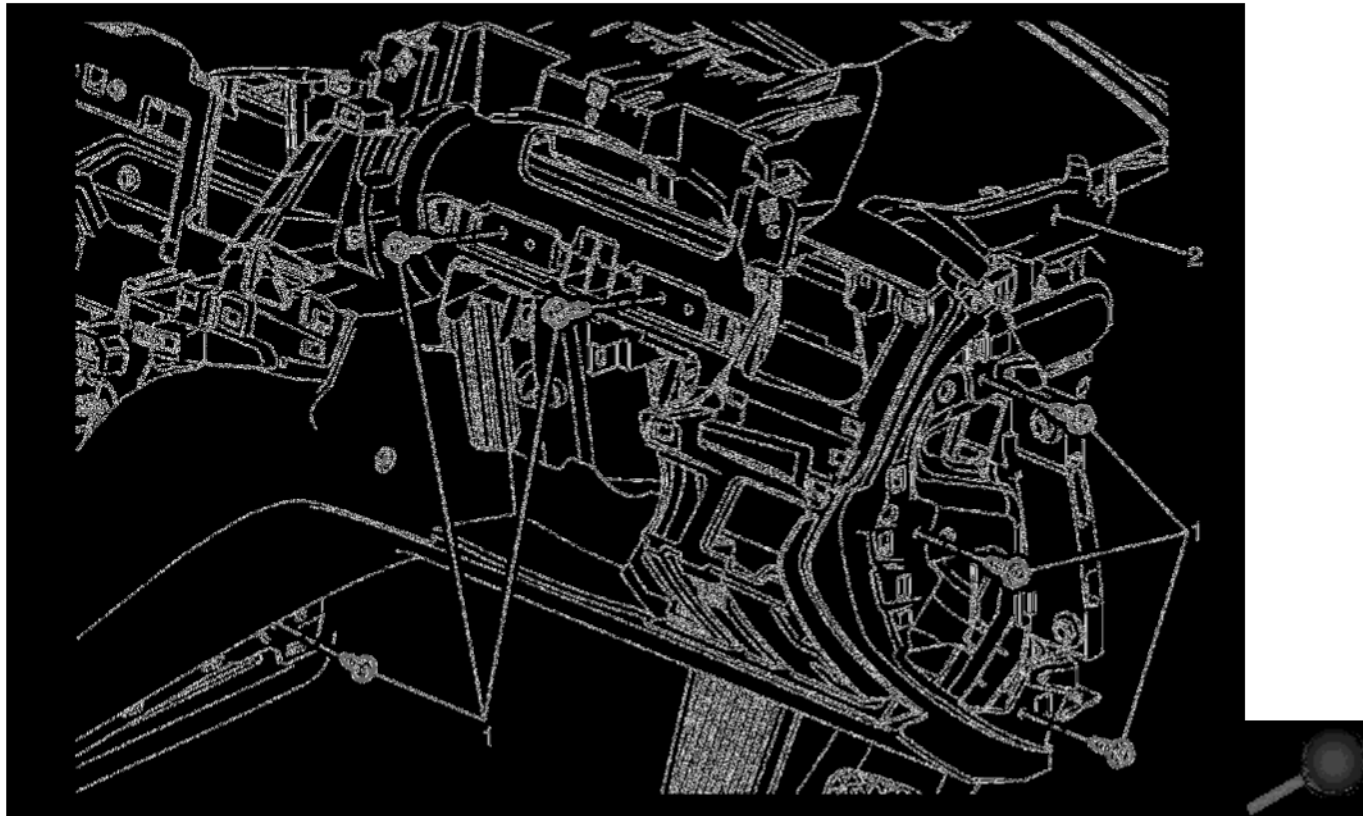
12. Remove the head-up display bezel (1), if equipped. Refer to [Head-Up Display Bezel Replacement](#).



13. Remove the instrument panel lower trim panel (1). Refer to [Instrument Panel Lower Trim Panel Replacement](#).

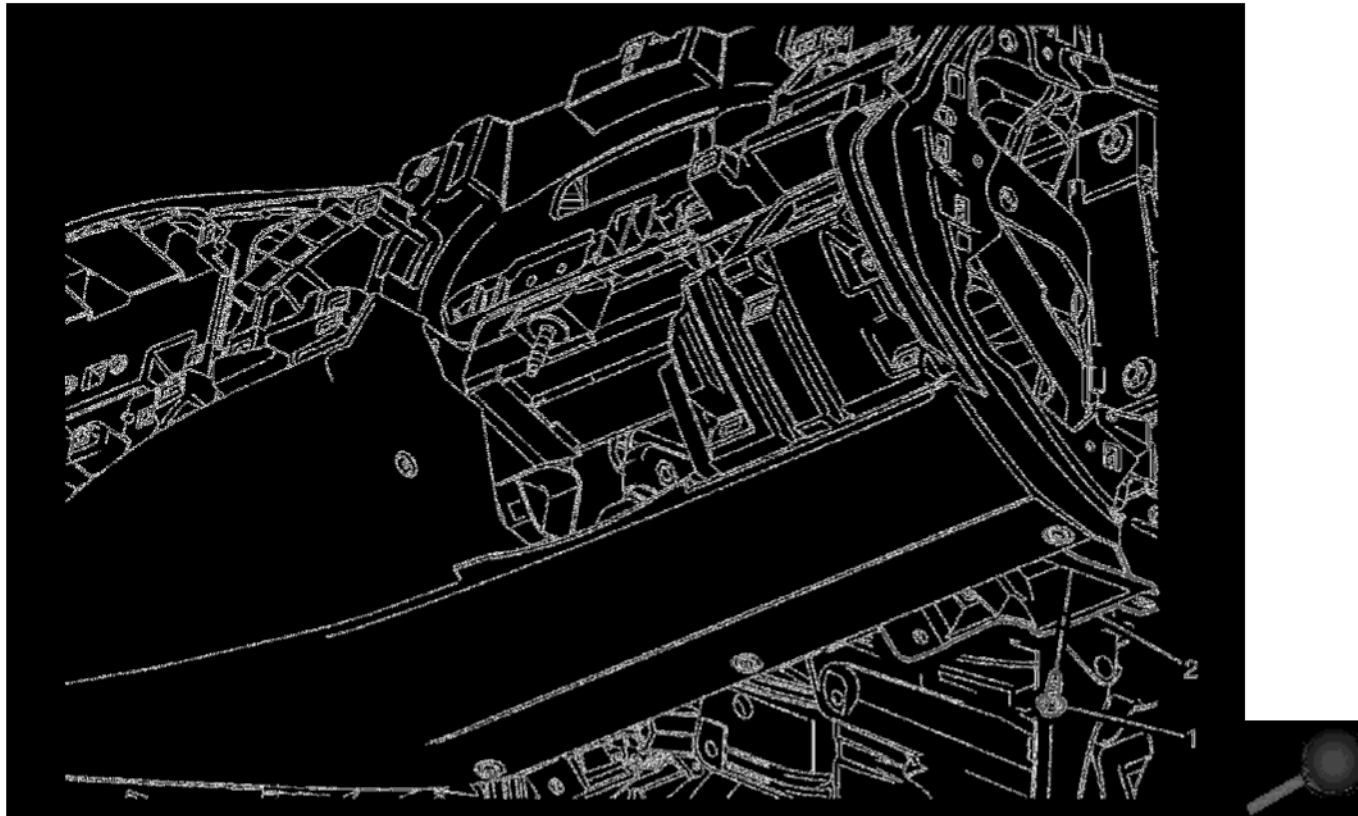


14. Remove the right front floor air outlet duct (2) and disconnect the lower right duct air temperature sensor. Refer to [Floor Front Air Outlet Duct Replacement - Right Side](#).

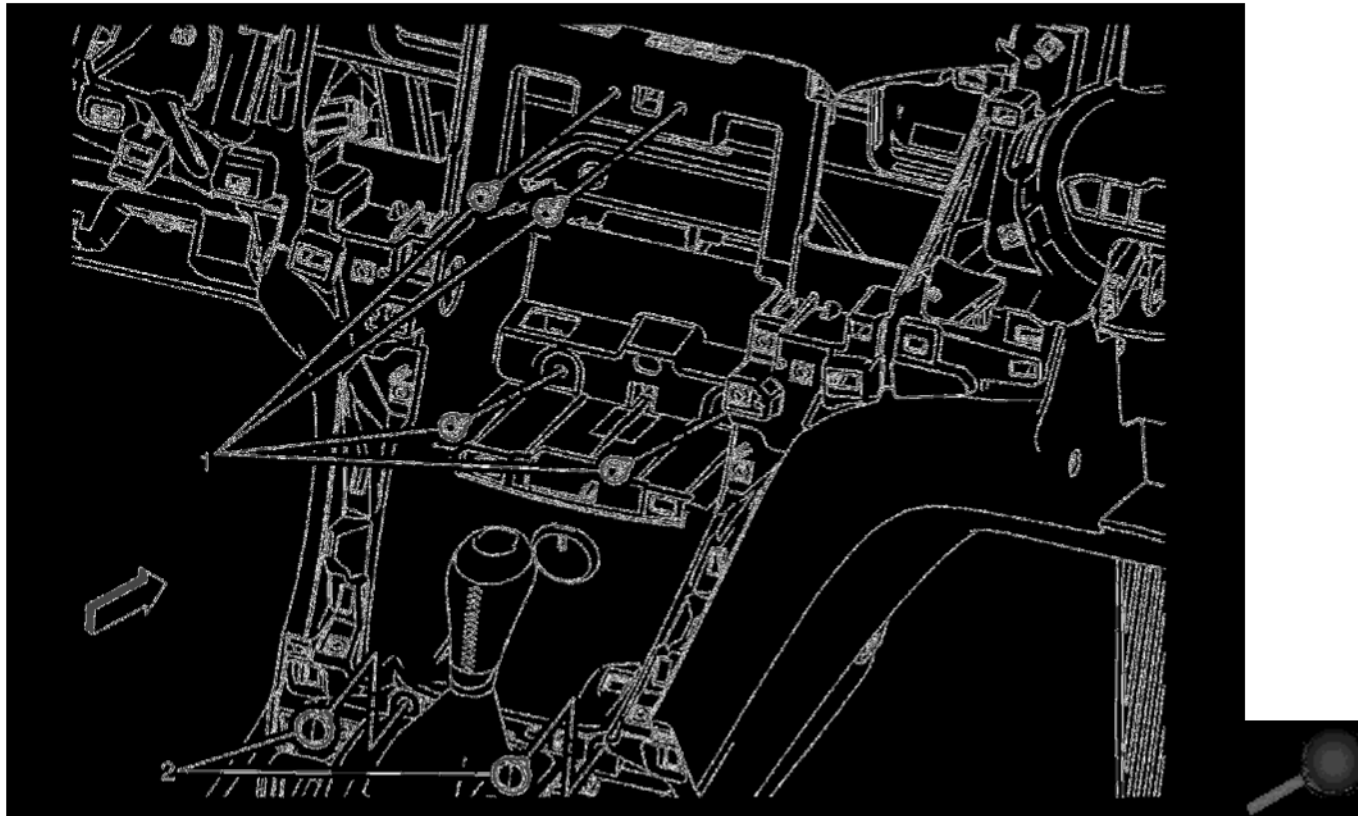


15. Remove the instrument panel assembly fasteners (1).

16. Pull upwards on the right side window defogger outlet duct and remove (2).



17. Remove the instrument panel assembly fasteners (1).
18. Disconnect the data link connector (2).



19. Remove the instrument panel assembly fasteners (1).

Note: These screws are longer than all other instrument panel assembly fasteners.

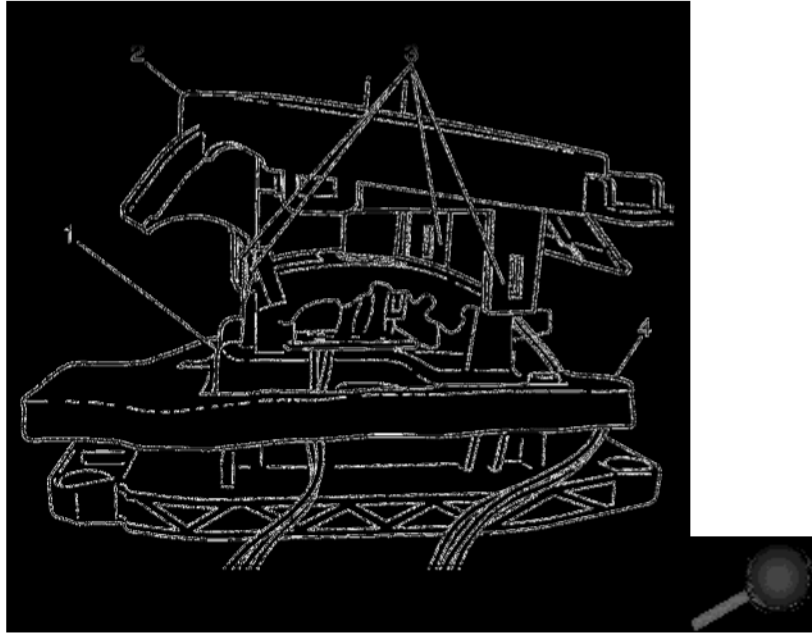
20. Use a suitable tool to remove the front floor console front air duct retainer (2).



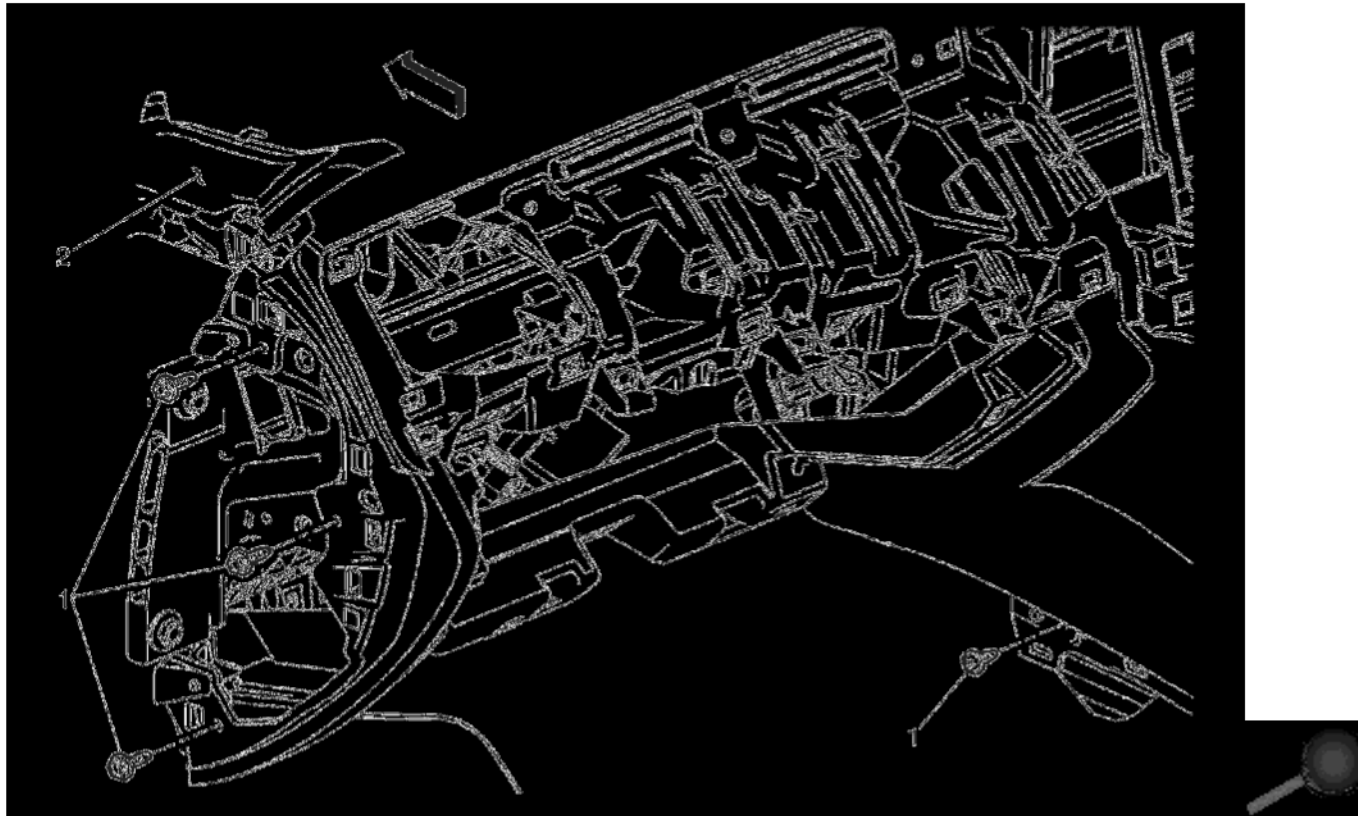
21. For vehicles equipped with manual transmission, remove the control lever and boot (2). Refer to [Control Lever and/or Boot Replacement](#).



22. For vehicles equipped with automatic transmission, remove the automatic transmission control lever knob (1). Refer to [Transmission Control Lever Knob Replacement](#).

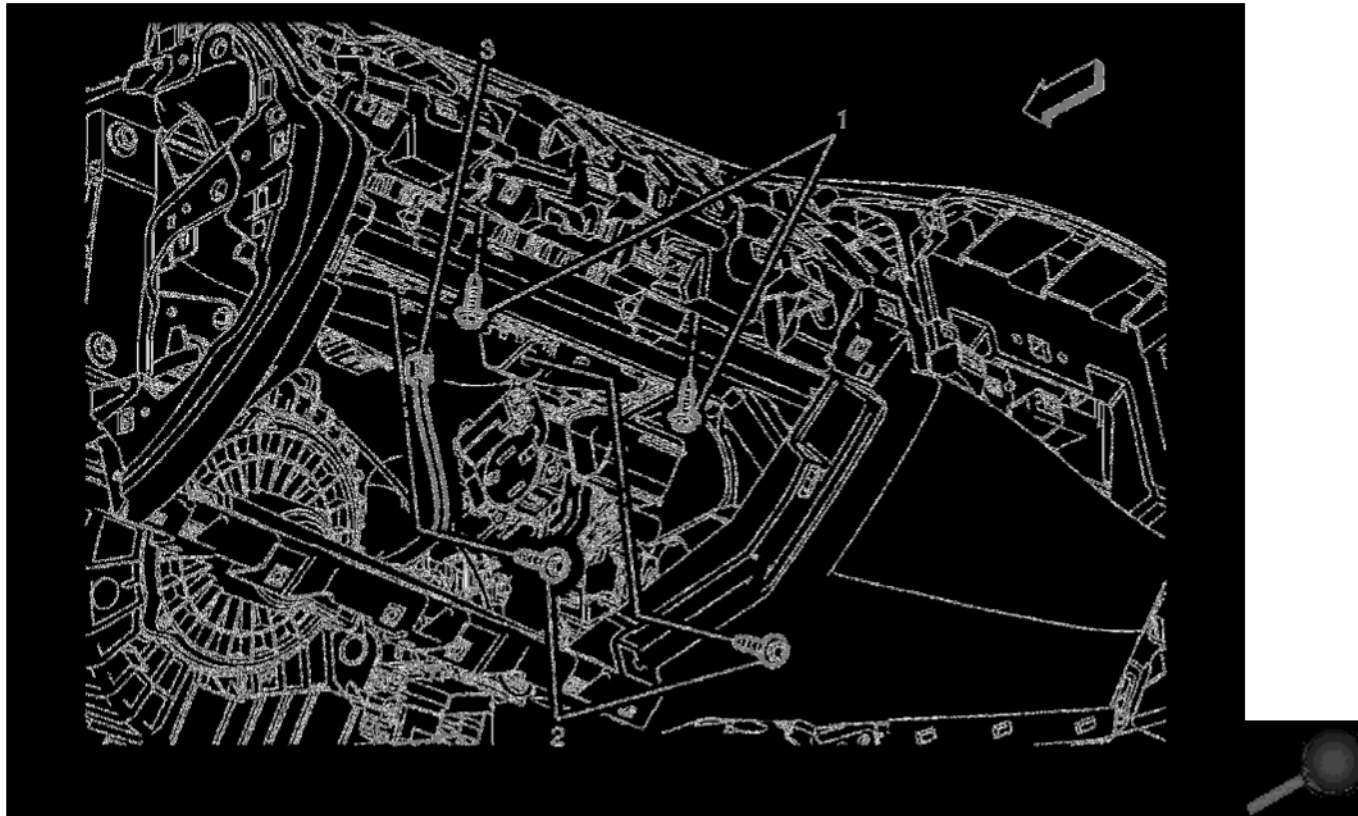


23. For vehicles equipped with automatic transmission, disconnect the selector lever housing (2) from the base (1) by depressing the four retaining tabs (3). Disconnect any electrical connectors. Refer to [Automatic Transmission Shift Lock Control Actuator Replacement](#).

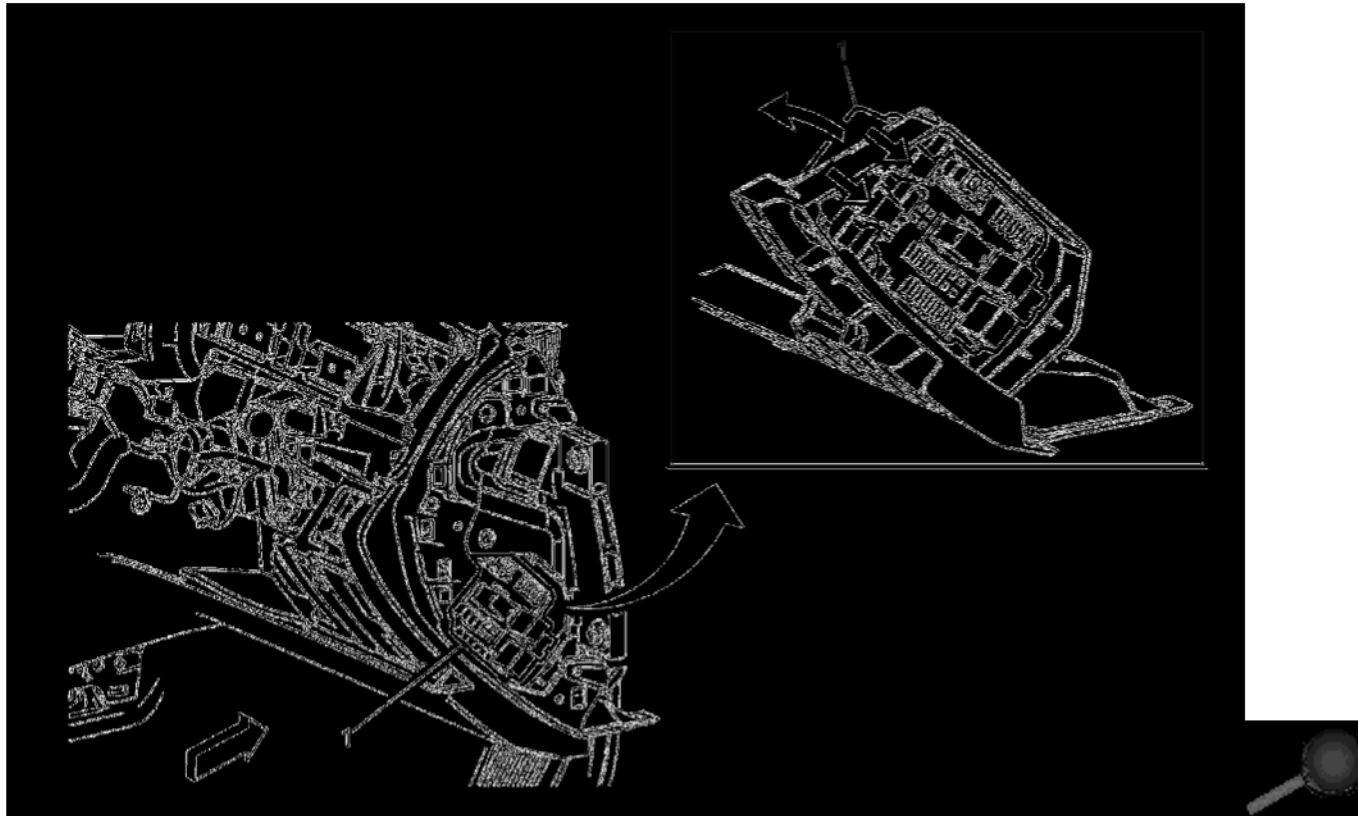


24. Remove the instrument panel assembly fasteners (1).

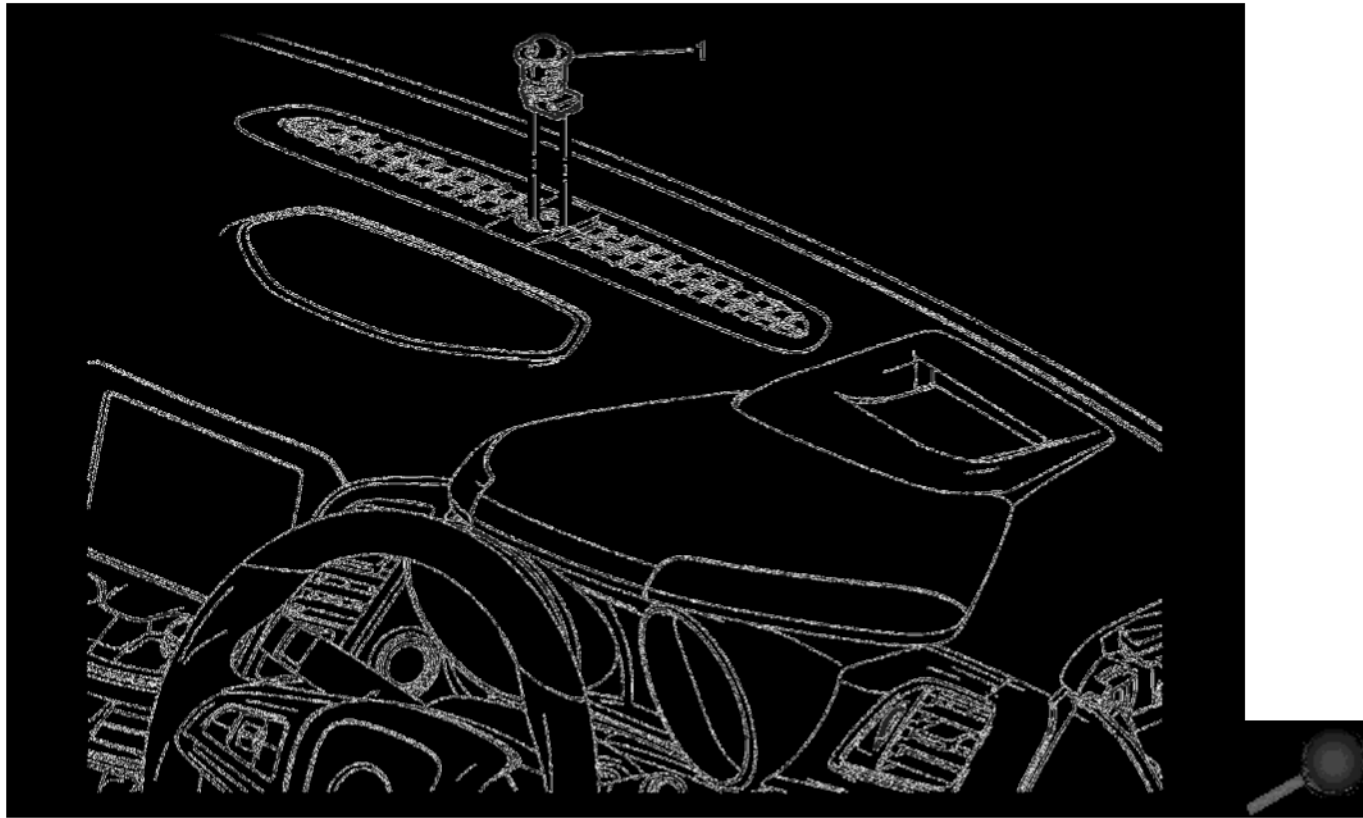
25. Pull upwards on the left side window defogger outlet duct and remove (2).



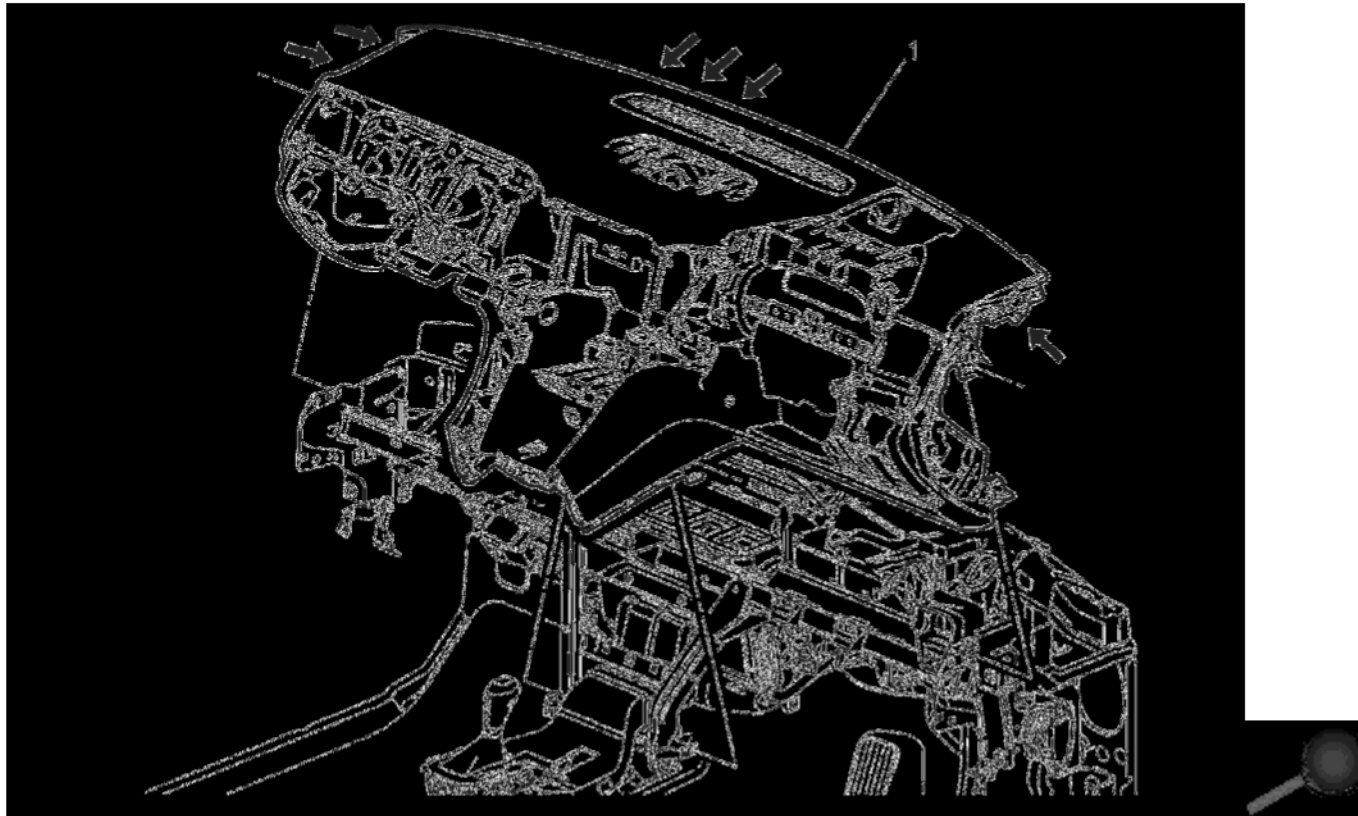
- 26. Remove the instrument panel assembly fasteners (1).
- 27. Remove the instrument panel inflatable restraint module airbag inflatable fasteners (2).
- 28. Remove the electrical connector to the instrument panel inflatable restraint module airbag inflatable.
- 29. Remove the upper left duct air temperature sensor connector (3).



30. Unsnap the instrument panel fuse block (1) from the instrument panel driver knee bolster energy absorber, push inwards and position out of the way.

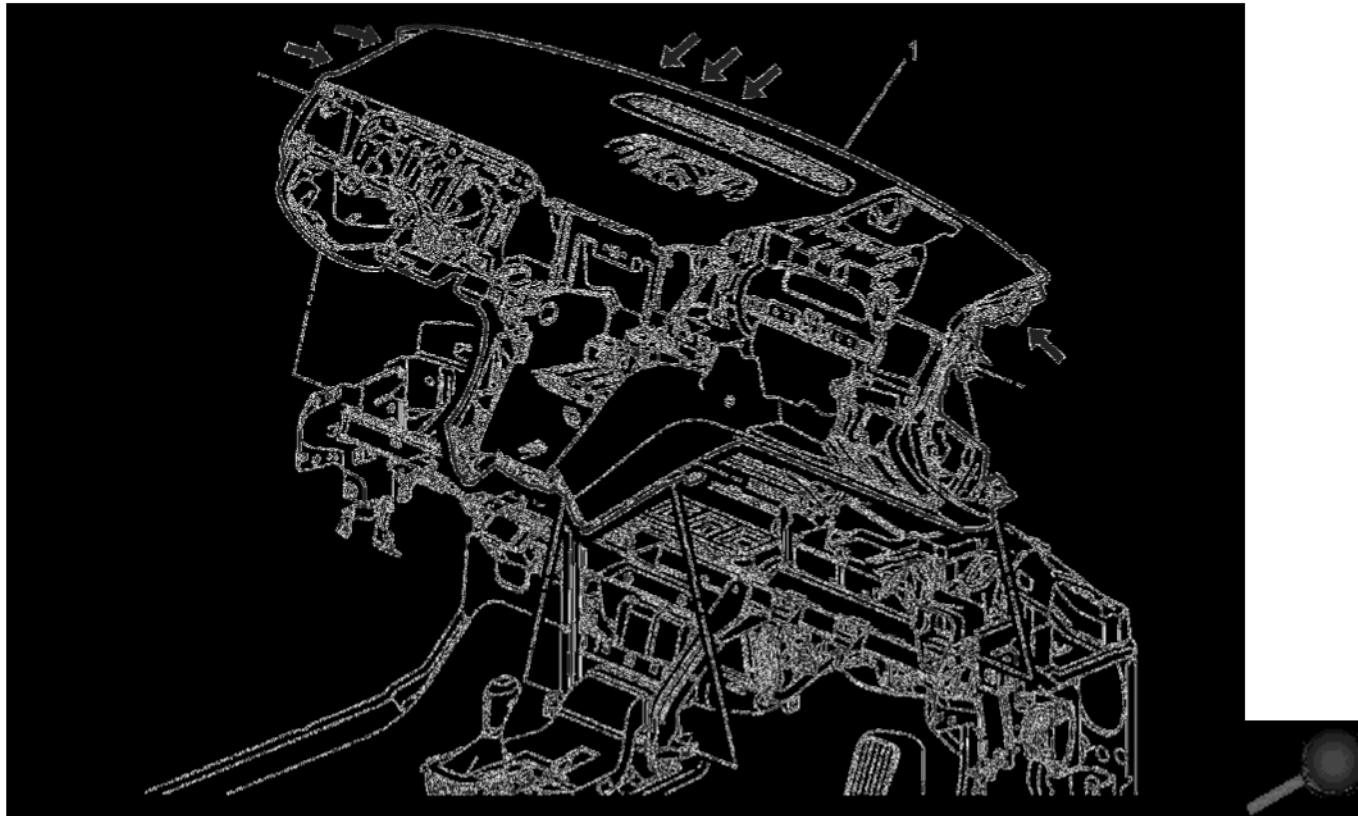


31. Remove the sun load sensor (1). Refer to [Sun Load Temperature and Headlamp Automatic Control Ambient Light Sensor Bezel Replacement](#).

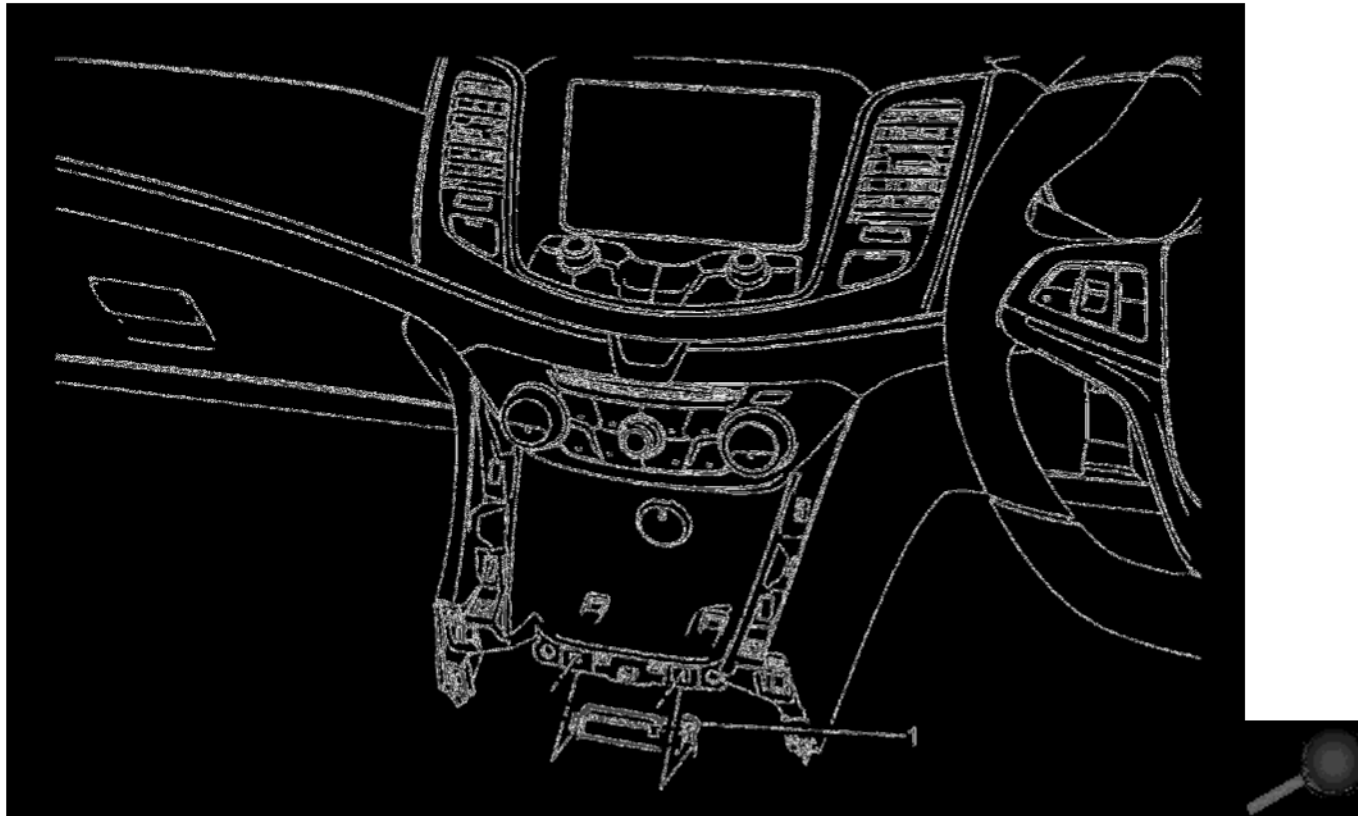


32. Note the location and routing of the instrument panel wiring harness prior to removal to ensure proper installation.
33. Apply tape to the steering column adjustment lever and the surrounding edges of the instrument panel to prevent marring.
34. Ensure all instrument panel assembly dowels (side and centre) are released.
35. Loosen and raise the instrument panel assembly (1) to allow access to disconnect the wiring connector to the accessory power receptacle/cigar lighter.
36. With the instrument panel assembly raised, disconnect the wiring harness from the instrument panel assembly at the indicated points.
37. With the aid of an assistant, raise the instrument panel assembly (1) clear of the gear shifter, over the steering column and then remove from the vehicle.
38. When replacing the instrument panel assembly (1), transfer all necessary components.

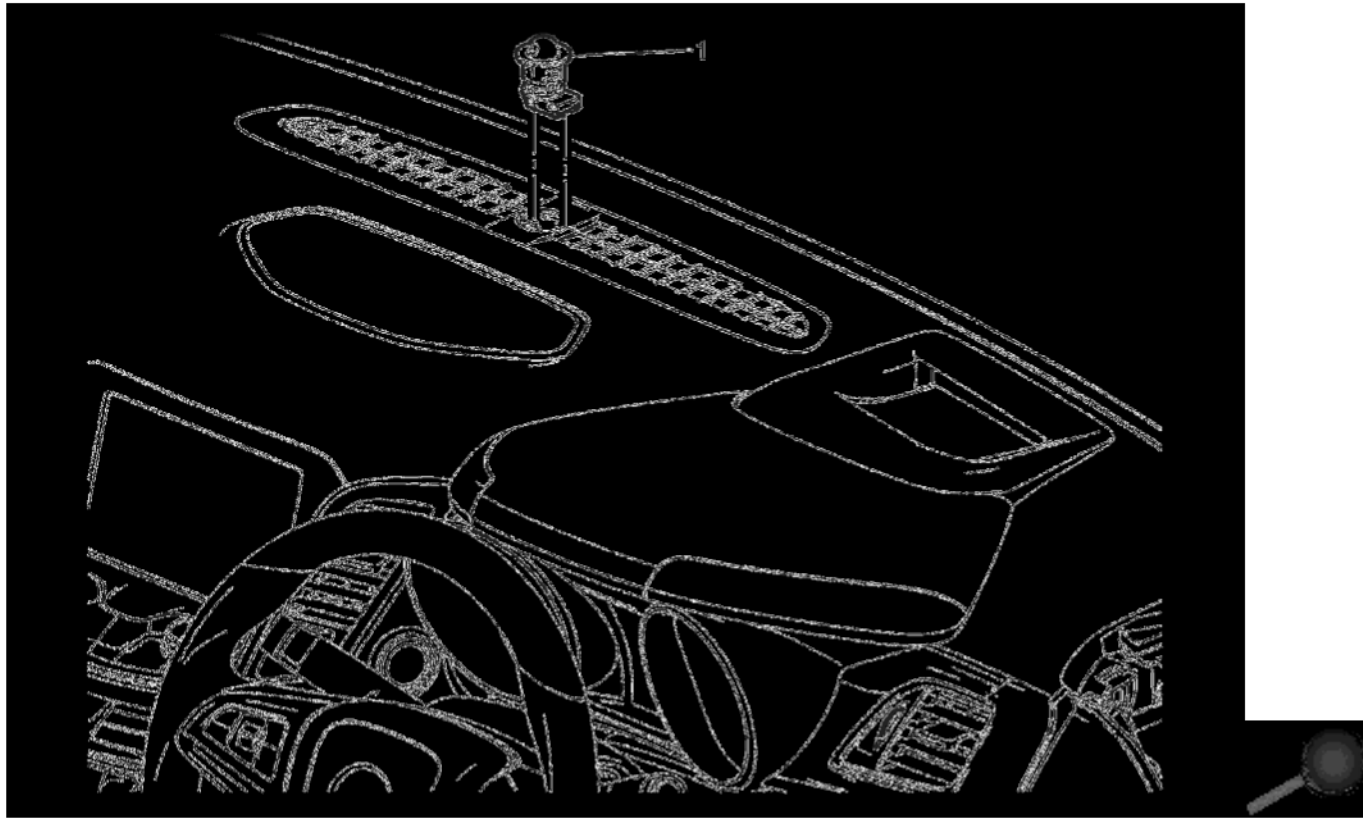
Installation Procedure



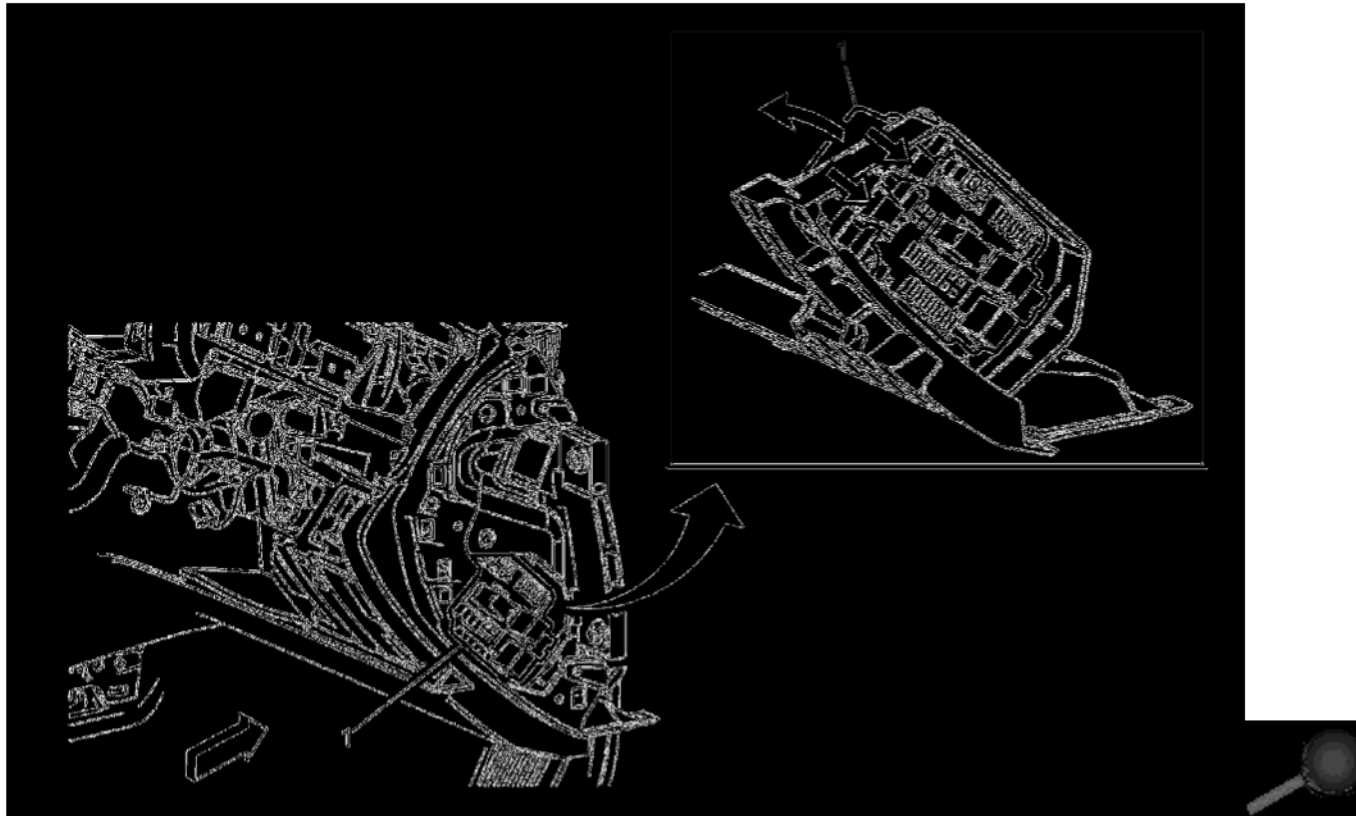
1. When replacing the instrument panel assembly apply tape to the steering column adjustment lever and the surrounding areas to prevent marring.
2. With the aid of an assistant, position the instrument panel assembly (1) over the steering column, over the gear shifter and into the vehicle.
3. Ensure the sun load sensor wiring and centre speaker wiring (if equipped) is pulled through the access hole.
4. Reposition and secure the instrument panel wiring harness into vehicle position at the indicated points.
5. Ensure the accessory power receptacle/cigar lighter wiring is reconnected.



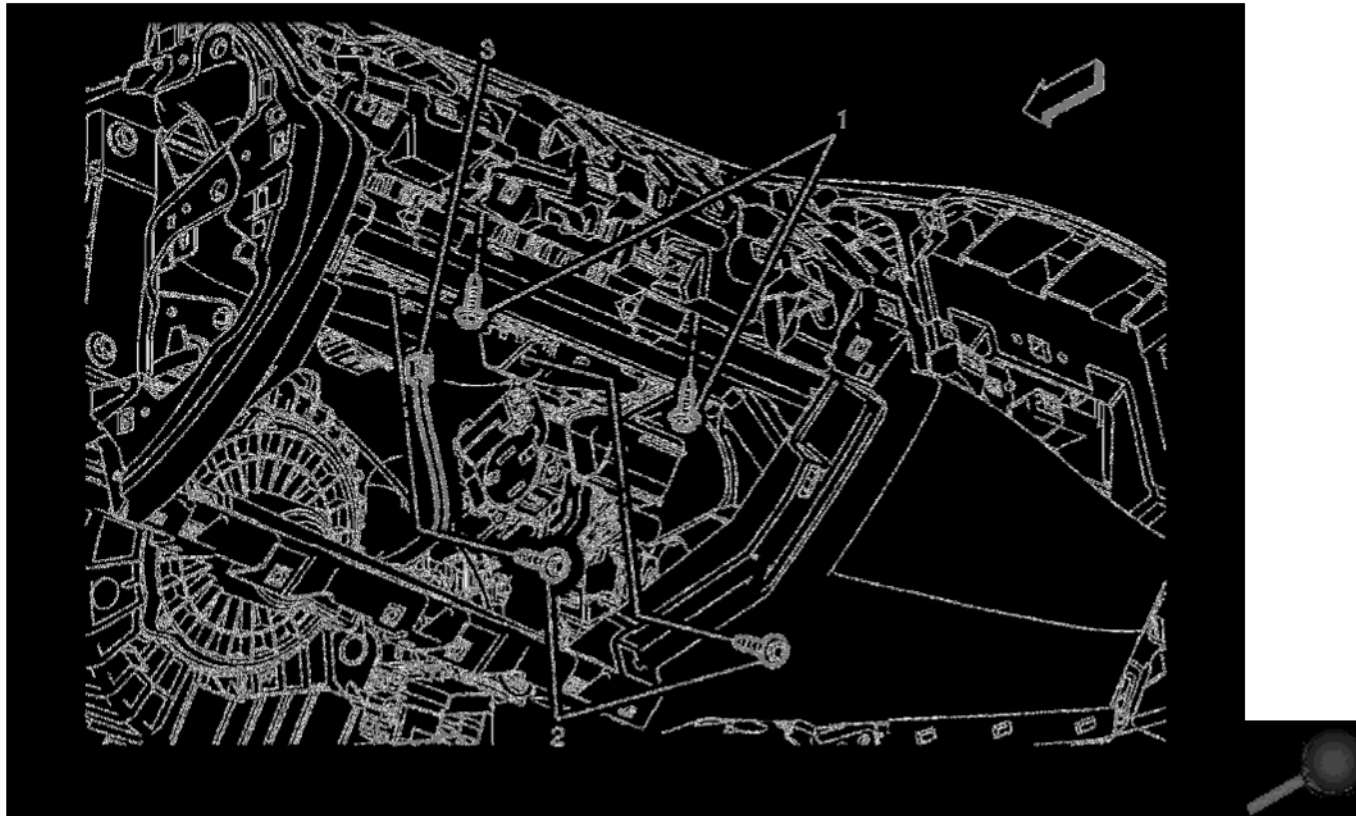
6. Install the instrument panel ignition lock key transmitter antenna (1). Refer to [Ignition Lock Key Transmitter Antenna Replacement - Instrument Panel](#).
7. Ensure all instrument panel dowels (side and centre) are relocated and locked in.



8. Install the sun load sensor (1). Refer to [Sun Load Temperature and Headlamp Automatic Control Ambient Light Sensor Bezel Replacement](#).

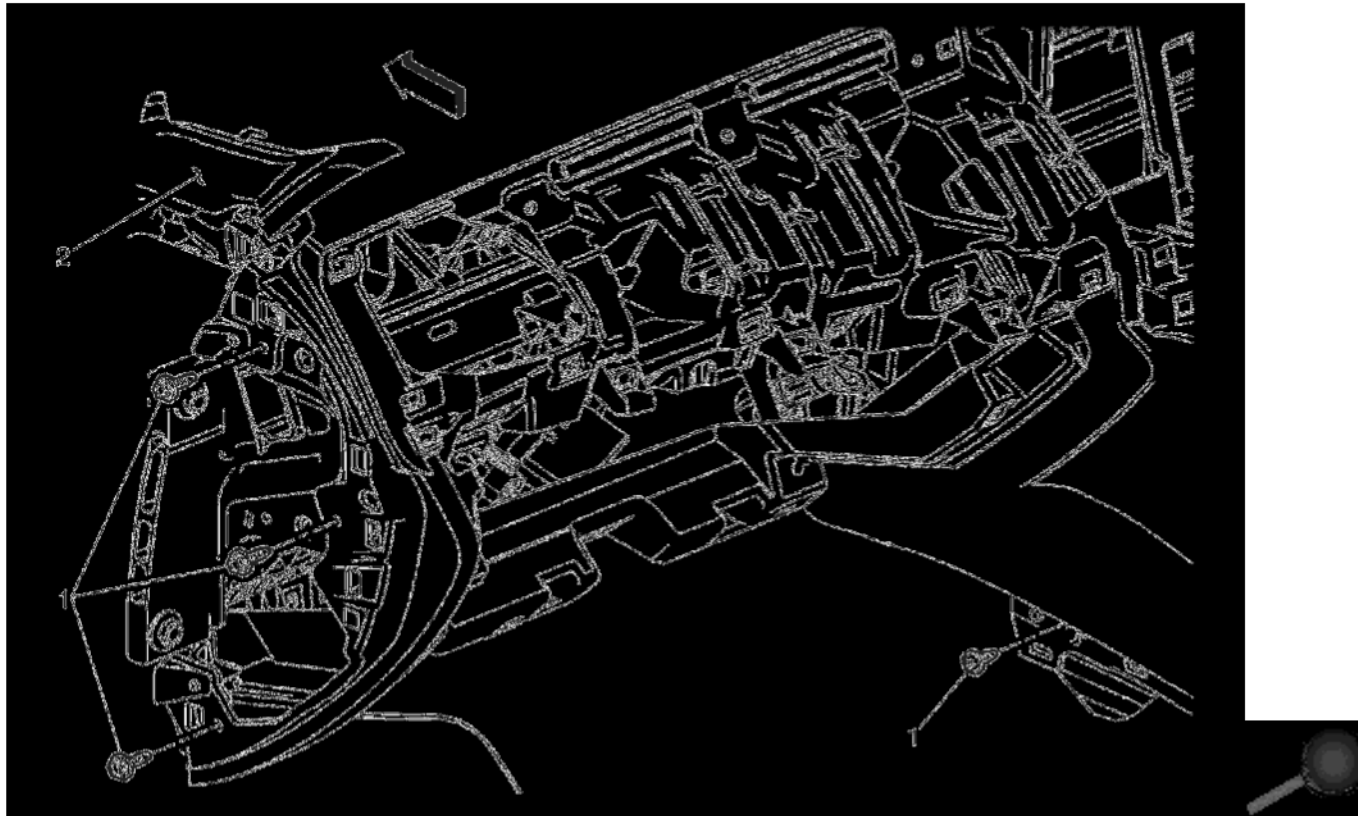


9. Snap the instrument panel fuse block (1) into the instrument panel driver knee bolster energy absorber.

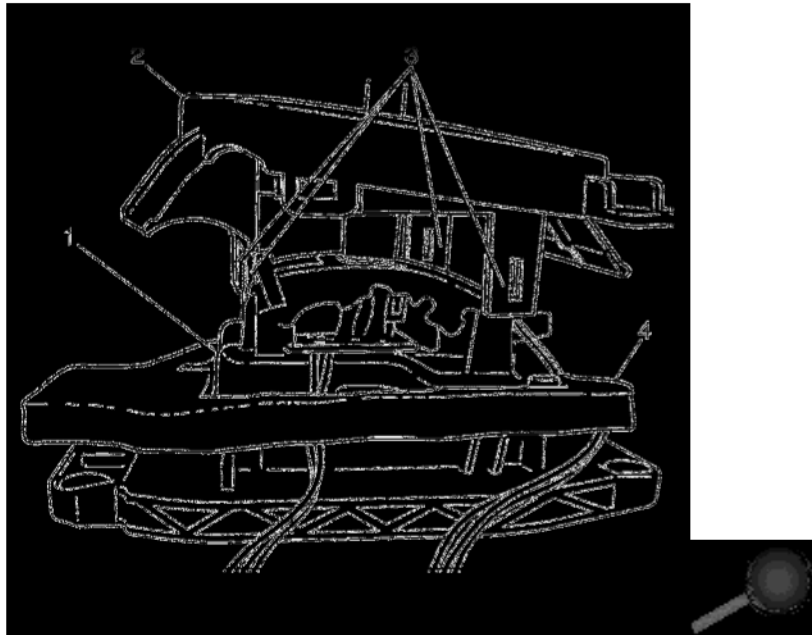


Caution: Refer to [Fastener Caution](#).

10. Install the instrument panel assembly fasteners (1) and tighten to 2.5N•m (22 lb in).
11. Install the instrument panel inflatable restraint module airbag inflatable fasteners (2) and tighten to 9N•m (80 lb in).
12. Connect the upper left duct air temperature sensor connector (3).
13. Install the electrical connector to the instrument panel inflatable restraint module airbag inflatable.



14. Install the instrument panel assembly fasteners (1) and tighten to 2.5N•m (22 lb in).
15. Install the left side window defogger outlet duct (2).



16. For vehicles equipped with automatic transmission, install the selector lever housing (2) from the base (1) ensuring the four retaining tabs are engaged (3). Reconnect any connectors.

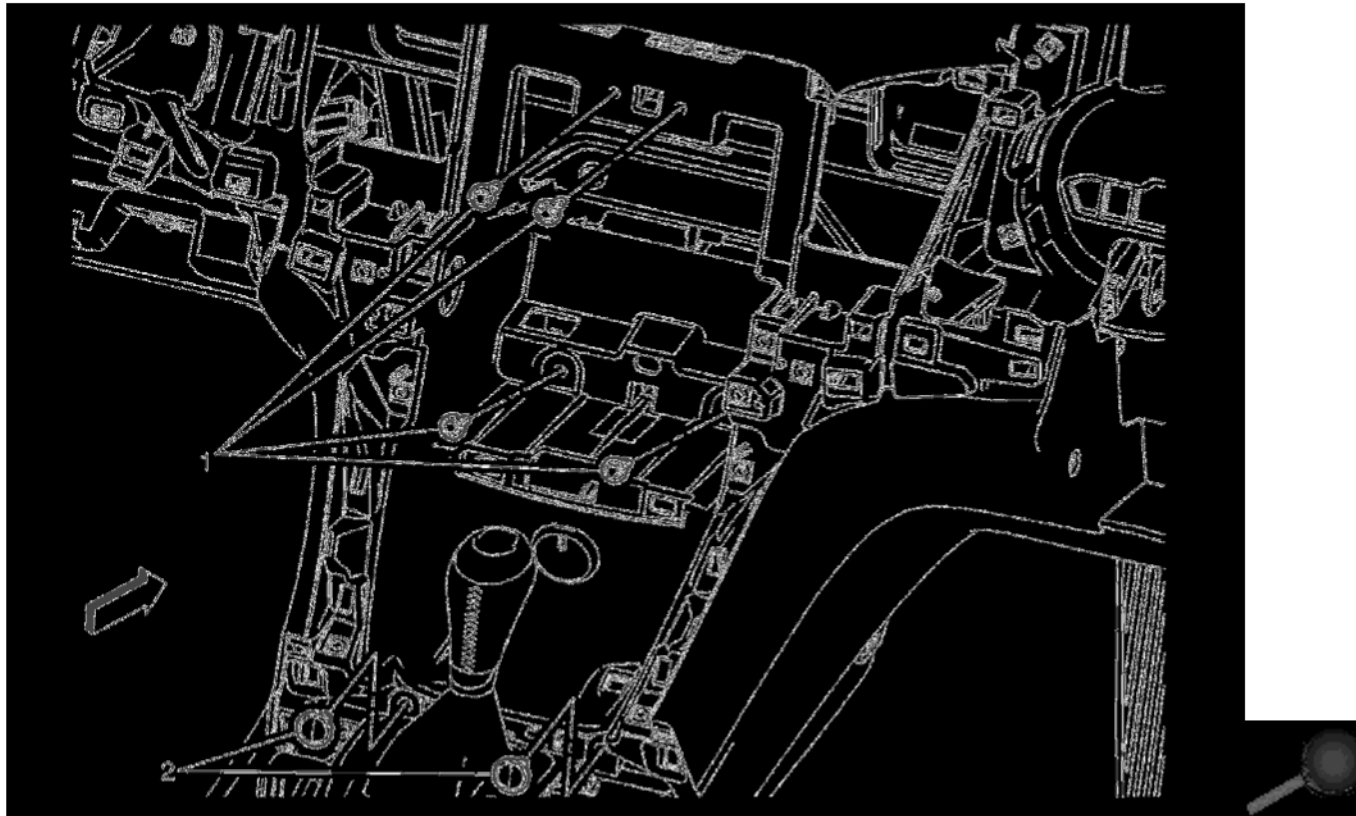


17. For vehicles equipped with automatic transmission, install the automatic transmission control lever knob (1). Refer to [Transmission](#)

[Control Lever Knob Replacement.](#)



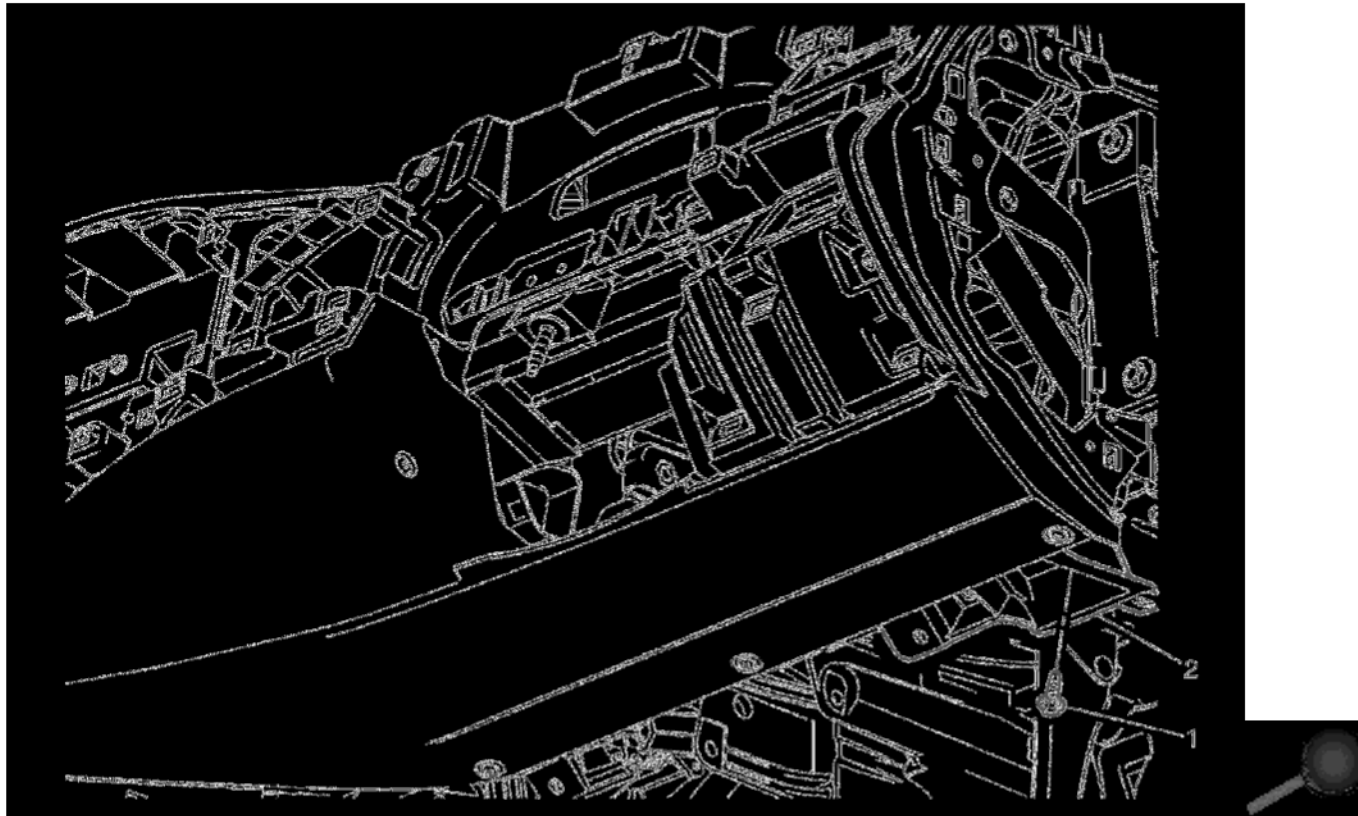
18. For vehicles equipped with manual transmission, install the control lever and boot (2). Refer to [Control Lever and/or Boot Replacement](#).



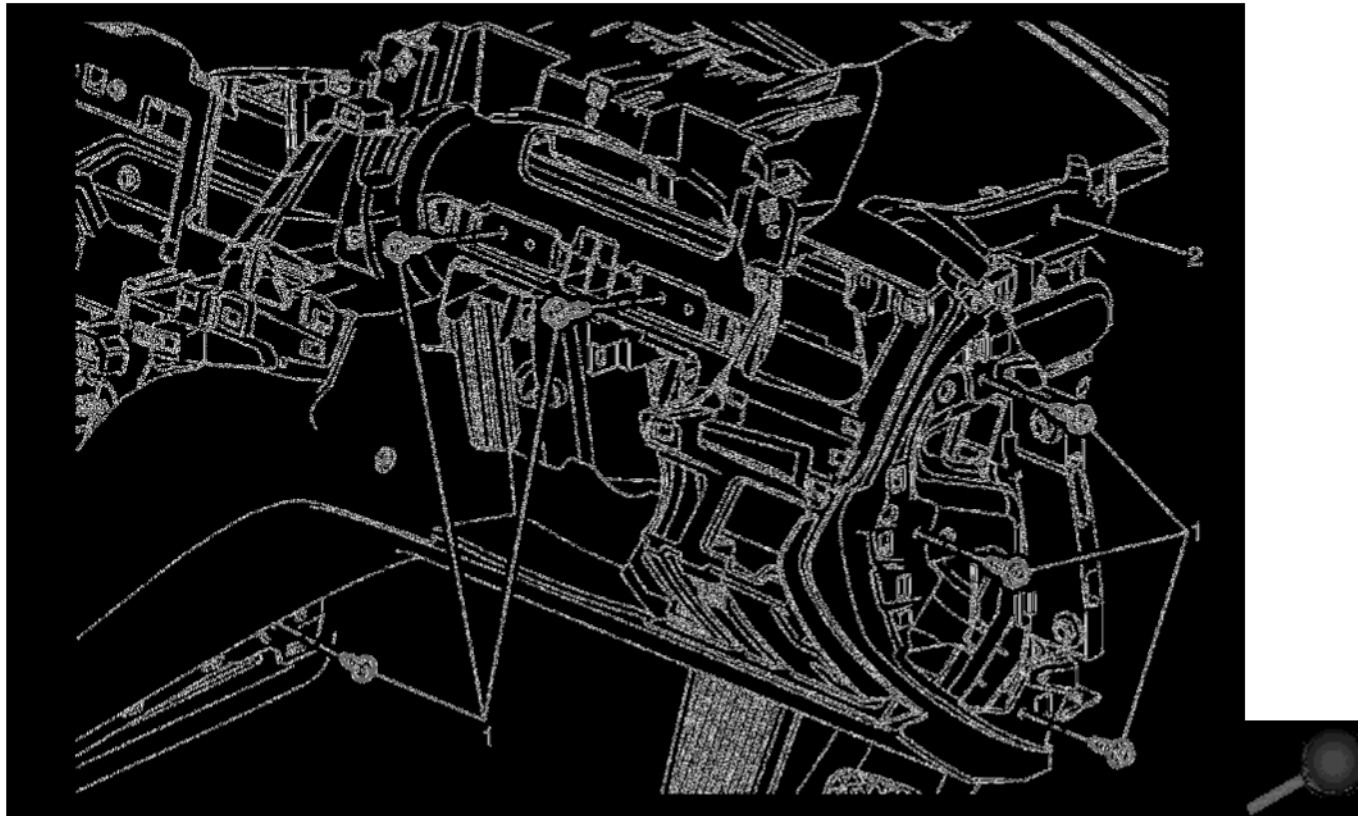
19. Install the instrument panel assembly fasteners (1) and tighten to 2 N•m (18 lb in).

Note: These screws are longer than all other instrument panel assembly fasteners.

20. Install the front floor console front air duct retainer (2).



21. Install the instrument panel assembly fasteners (1) and tighten to 2.5N•m (22 lb in).
22. Connect the data link connector (2).

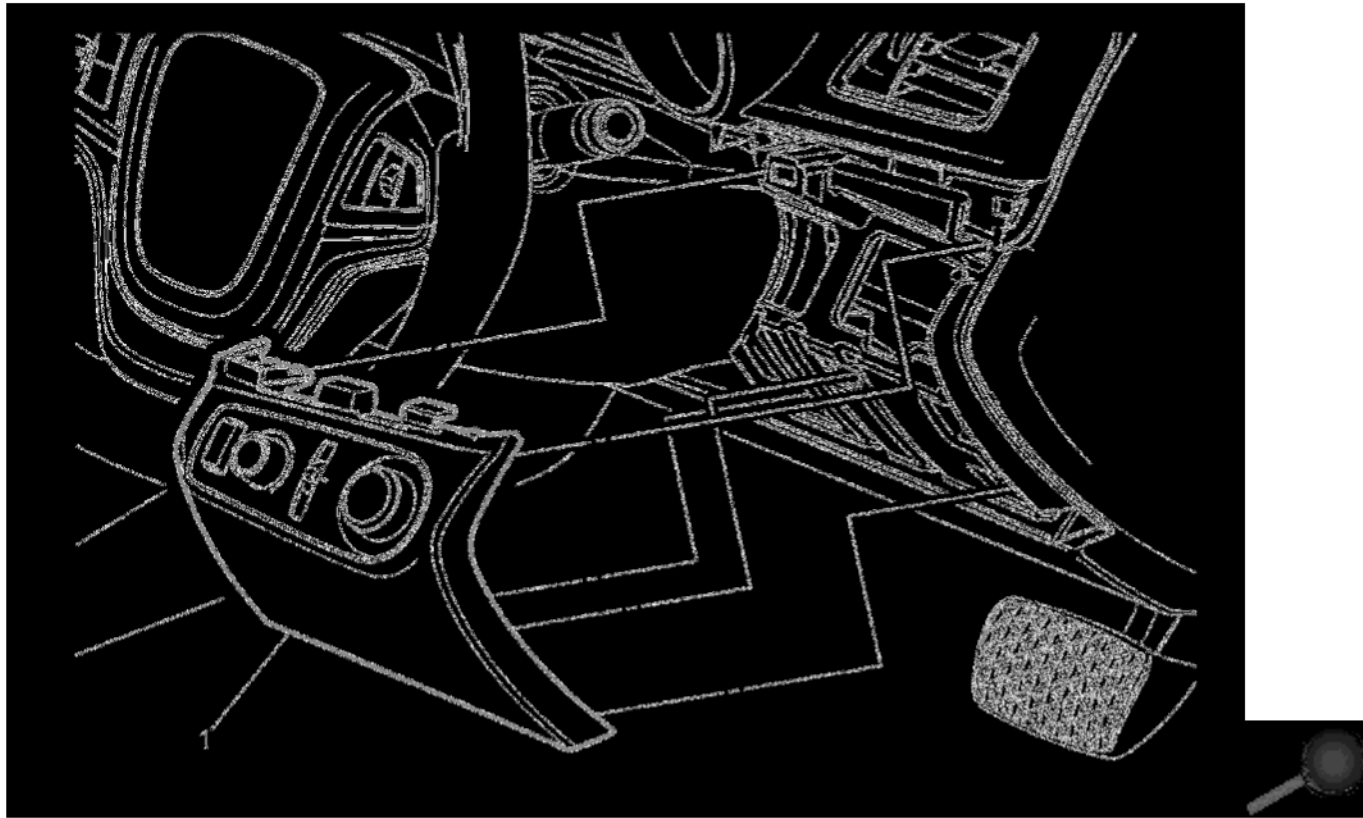


23. Install the instrument panel assembly fasteners (1) and tighten to 2.5N•m (22 lb in).

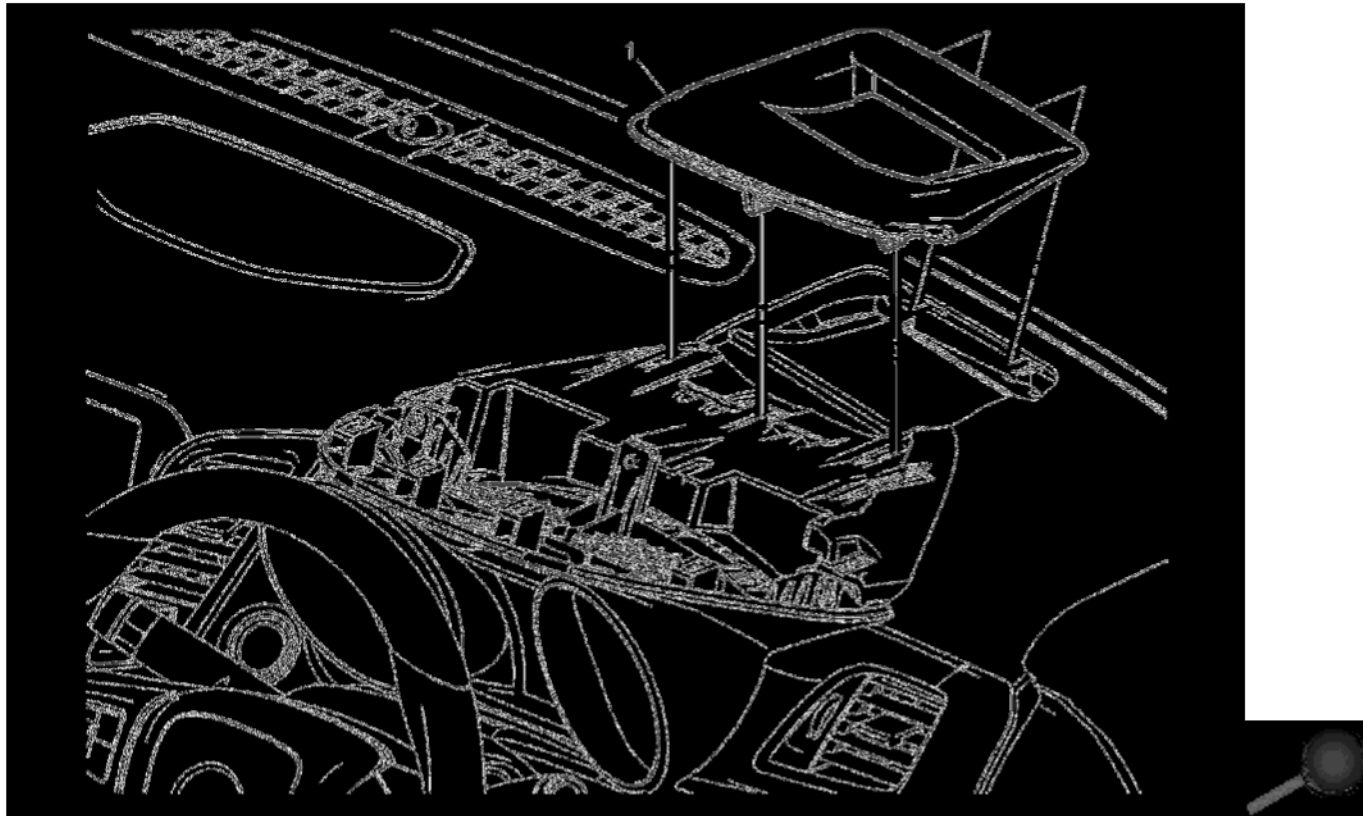
24. Install the right side window defogger outlet duct (2).



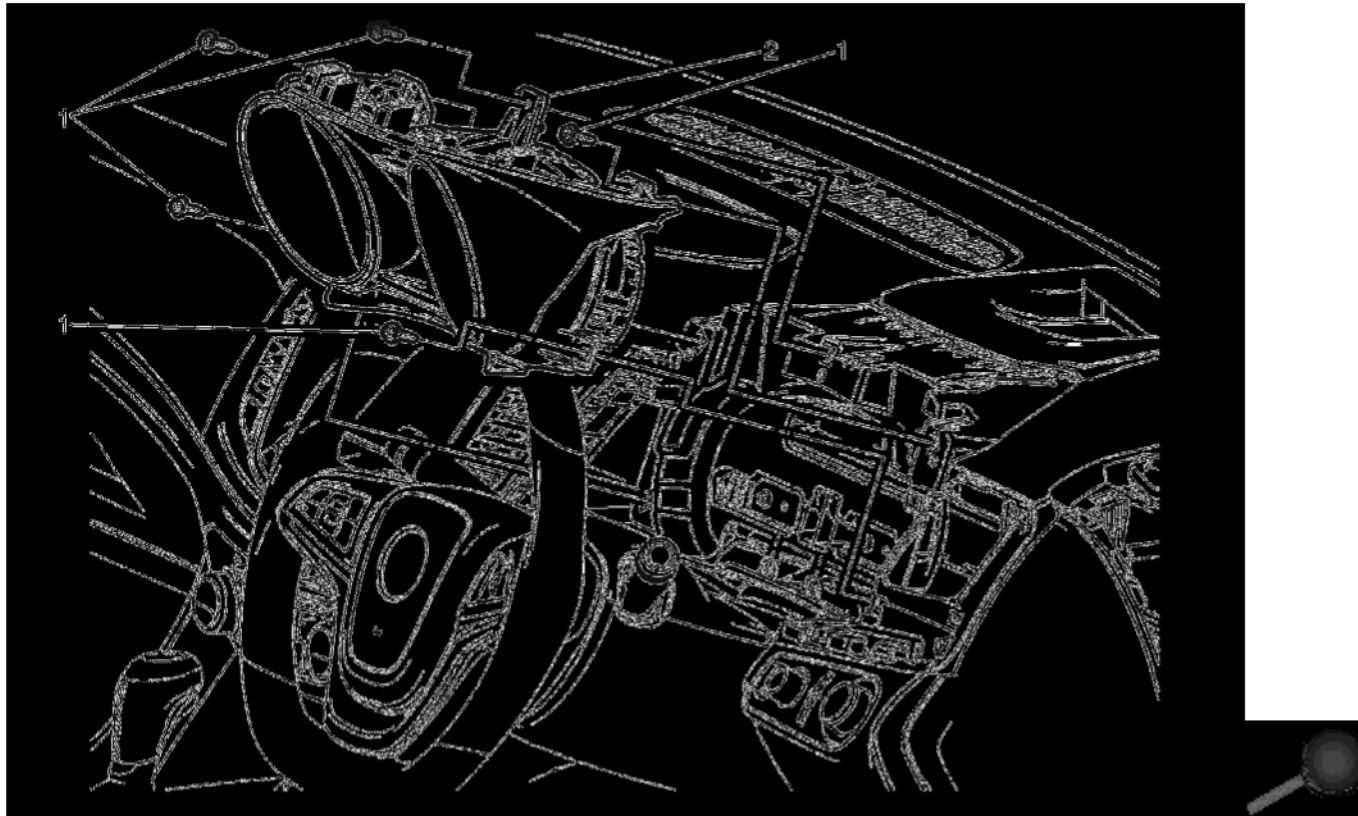
25. Install the right front floor air outlet duct (2) and reconnect the lower right duct air temperature sensor wiring. Refer to [Floor Front Air Outlet Duct Replacement - Right Side](#).



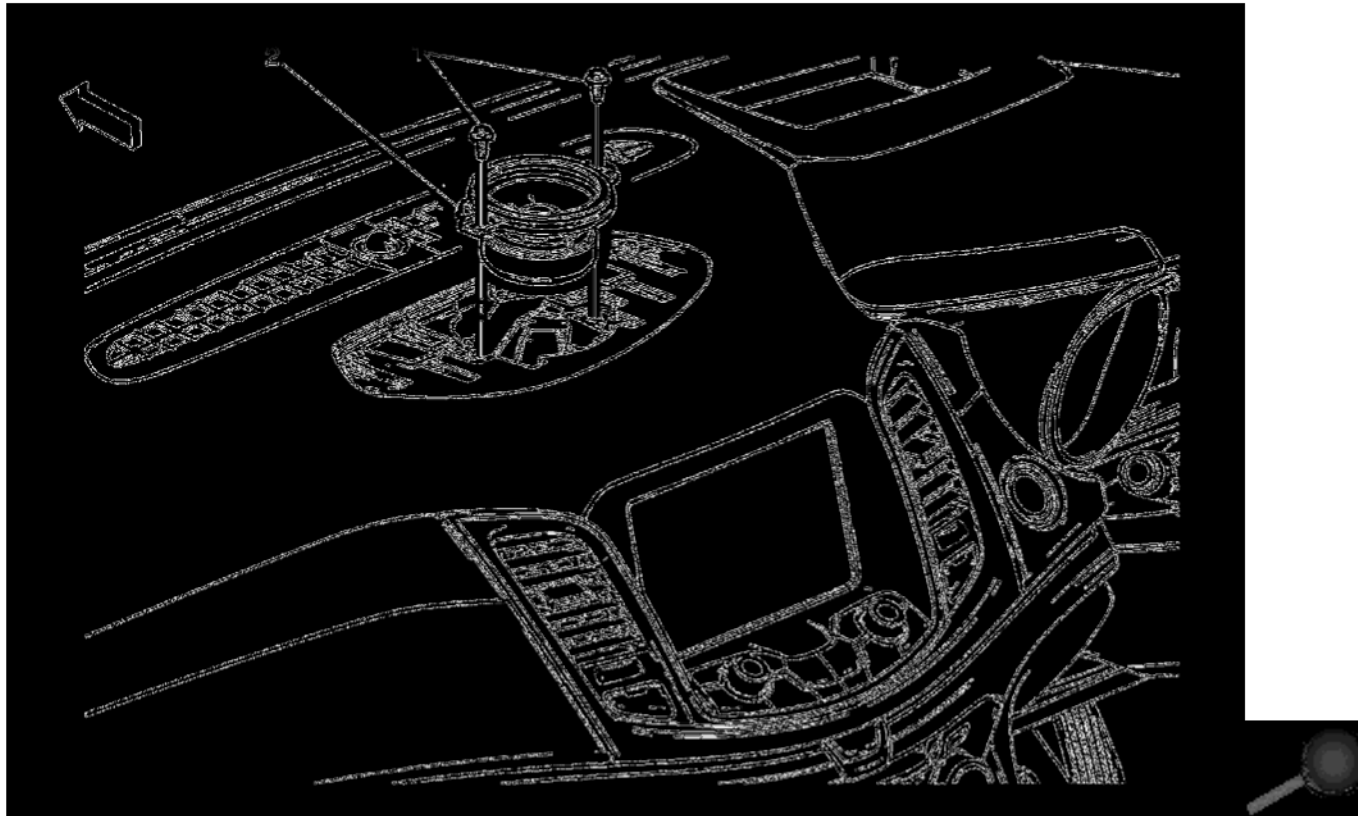
26. Install the instrument panel lower trim panel (1). Refer to [Instrument Panel Lower Trim Panel Replacement](#)



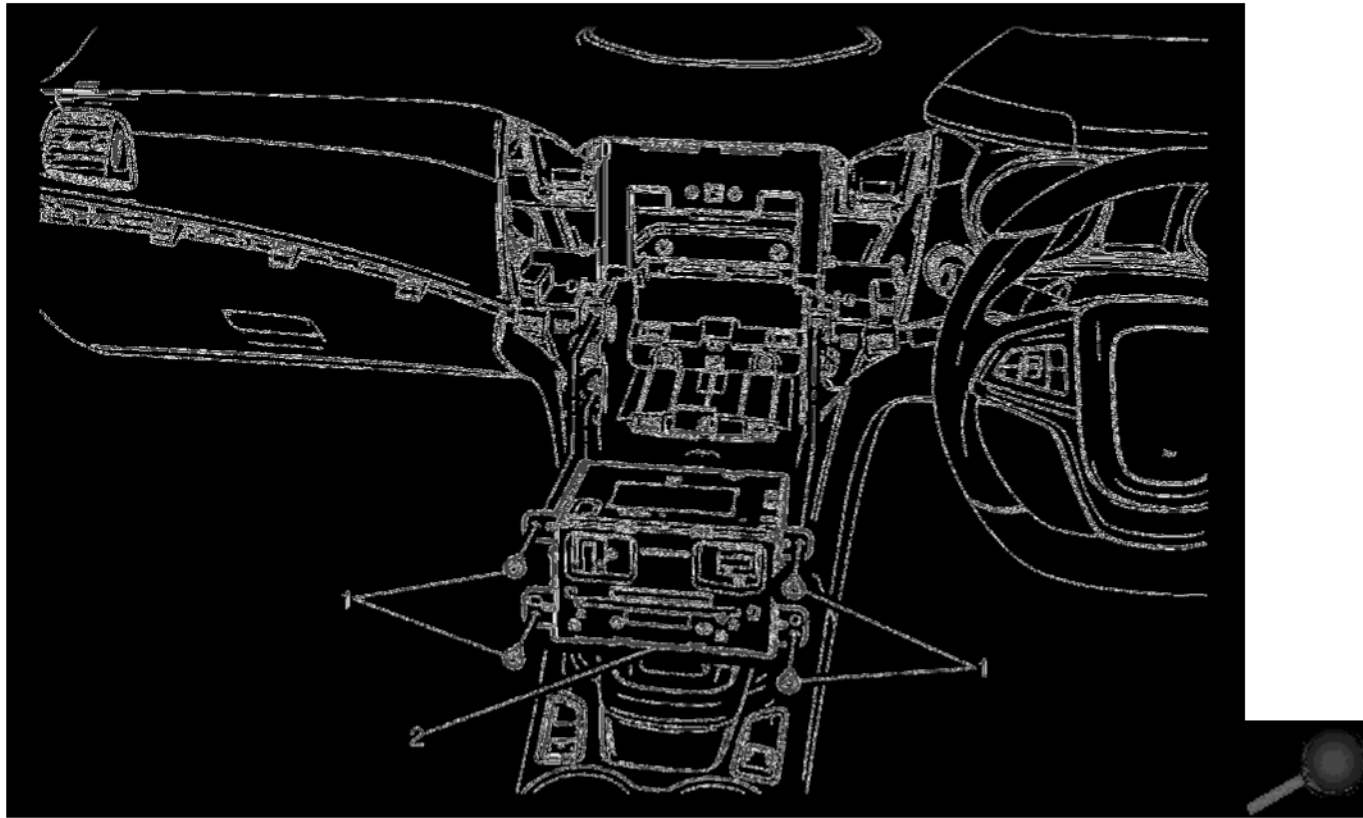
27. Install the head-up display bezel (1), if equipped. Refer to [Head-Up Display Bezel Replacement](#)



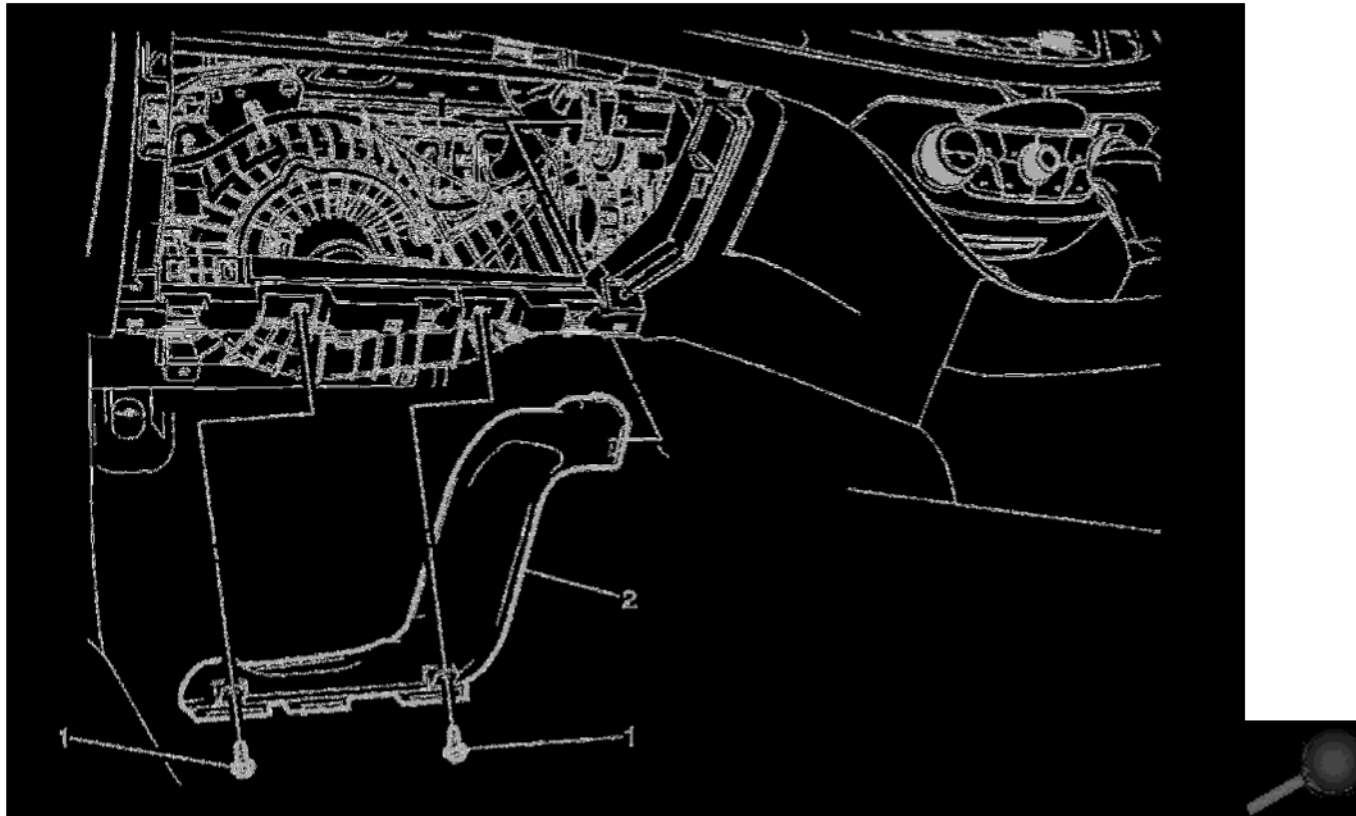
28. Install the instrument cluster (2) complete with the steering column upper trim cover and fabric closeout attached. Take caution to ensure the fabric closeout base plate pegs are engaged correctly. Refer to [Instrument Cluster Replacement](#).



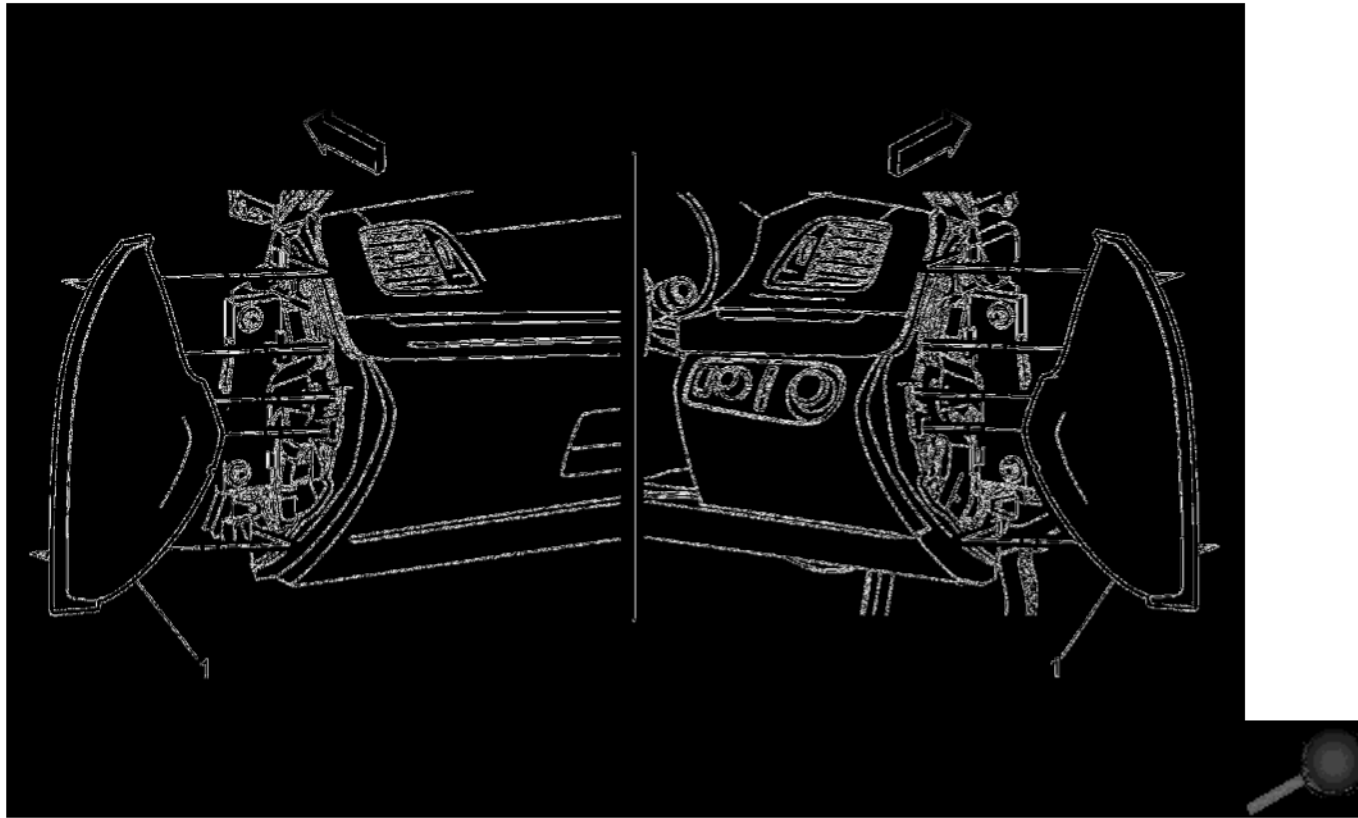
29. Install the radio front center speaker (2), if equipped. Refer to [Radio Front Center Speaker Replacement](#).



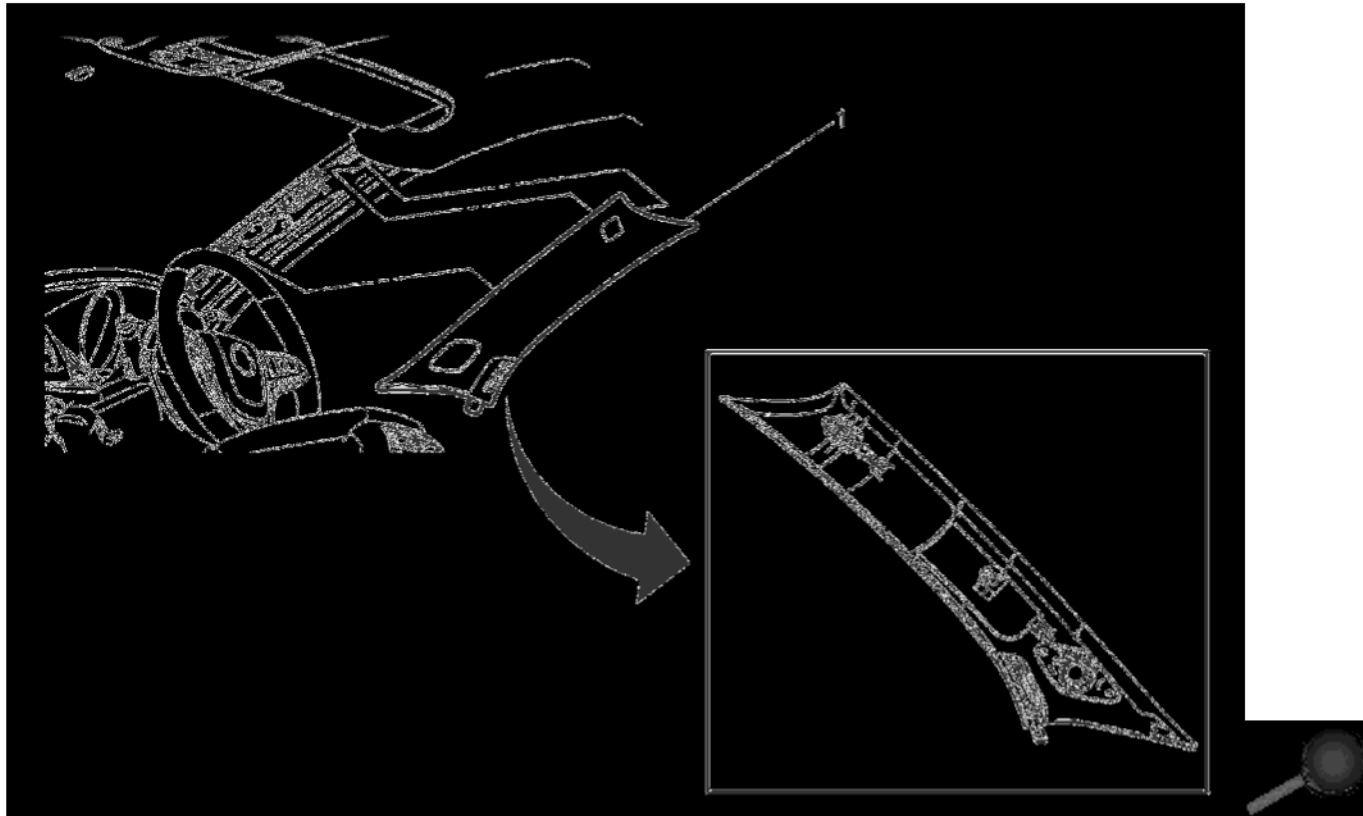
30. Install the radio (2). Refer to [Radio Replacement](#).



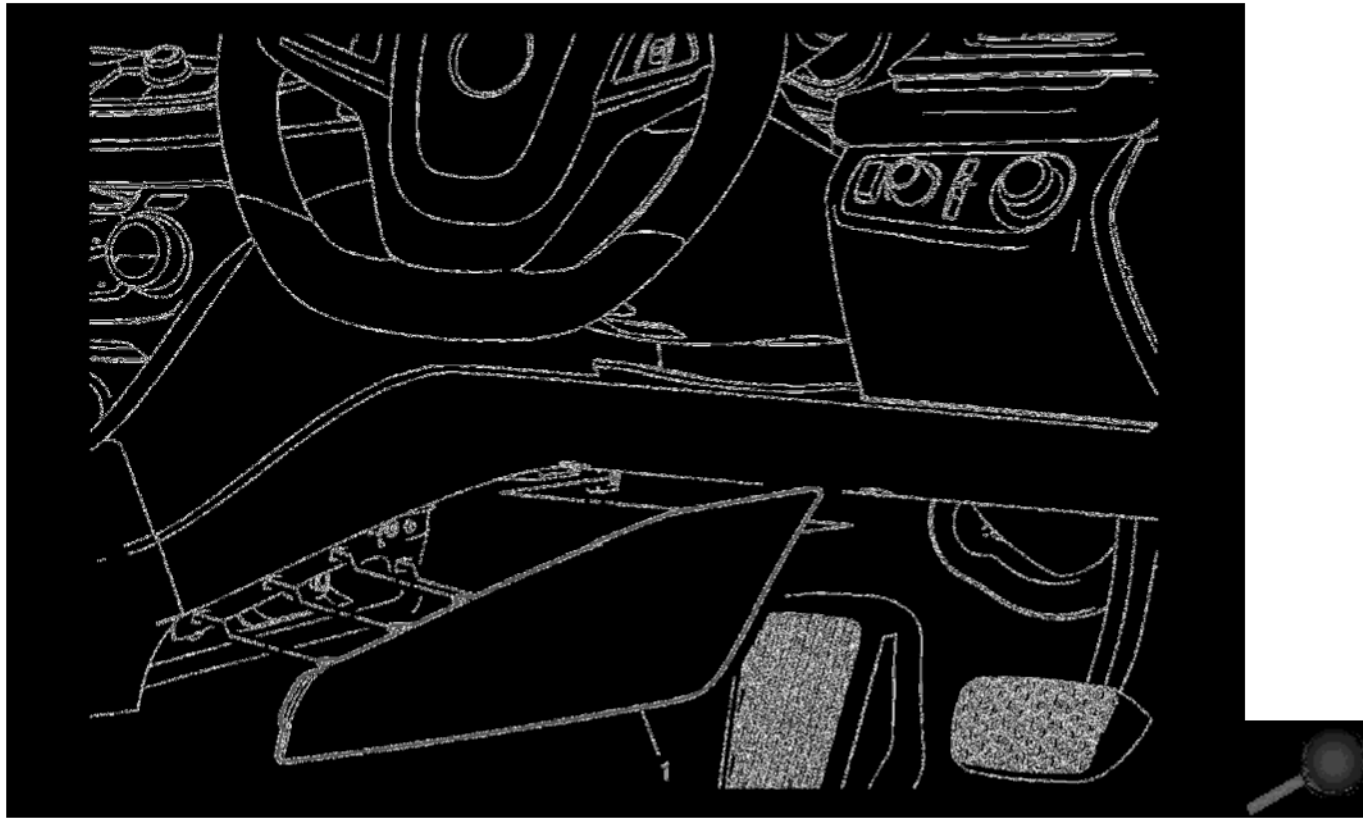
31. Install the left front floor air outlet duct (2) and reconnect the lower left duct air temperature sensor wiring. Refer to [Floor Front Air Outlet Duct Replacement - Left Side](#).



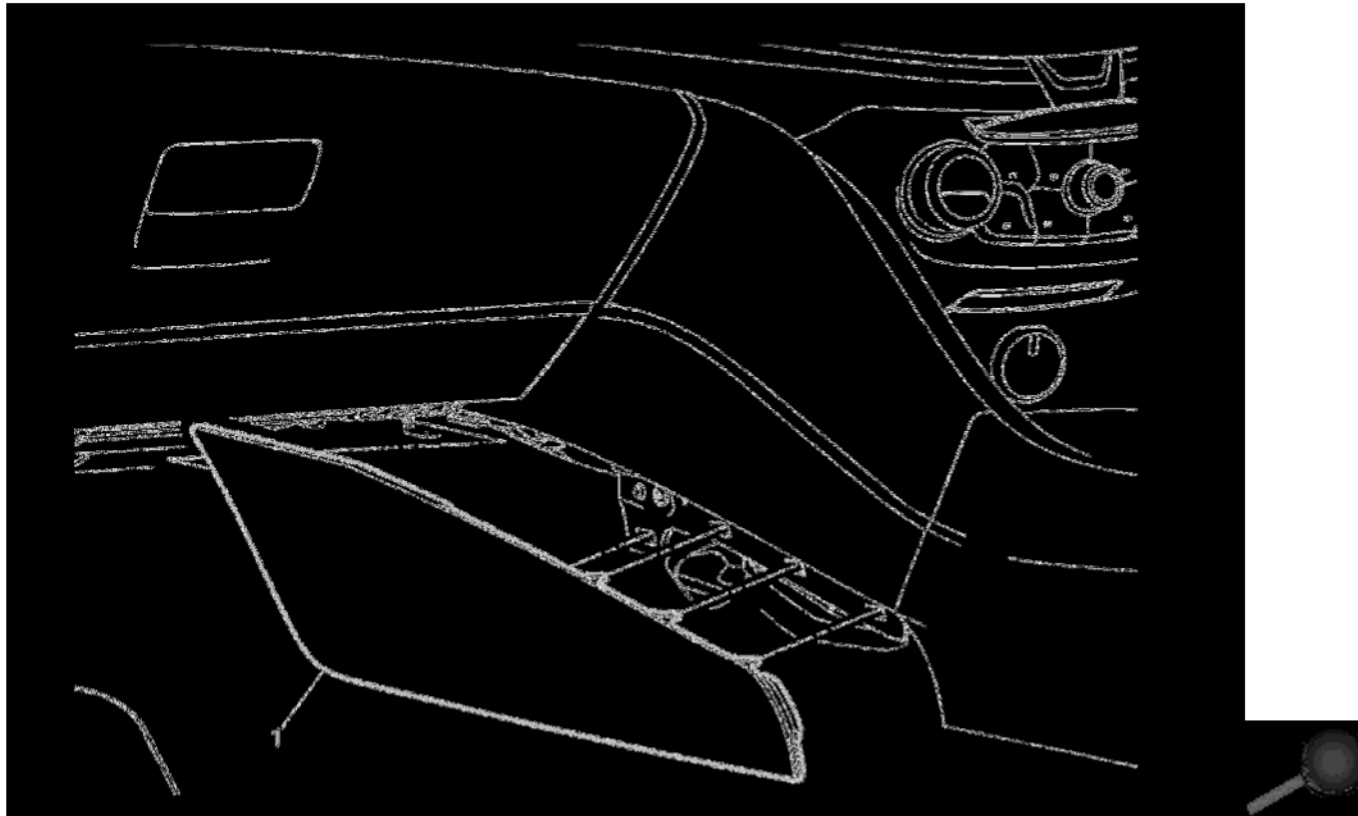
32. Install the left and right instrument panel outer trim cover (1). Refer to [Instrument Panel Outer Trim Cover Replacement](#)



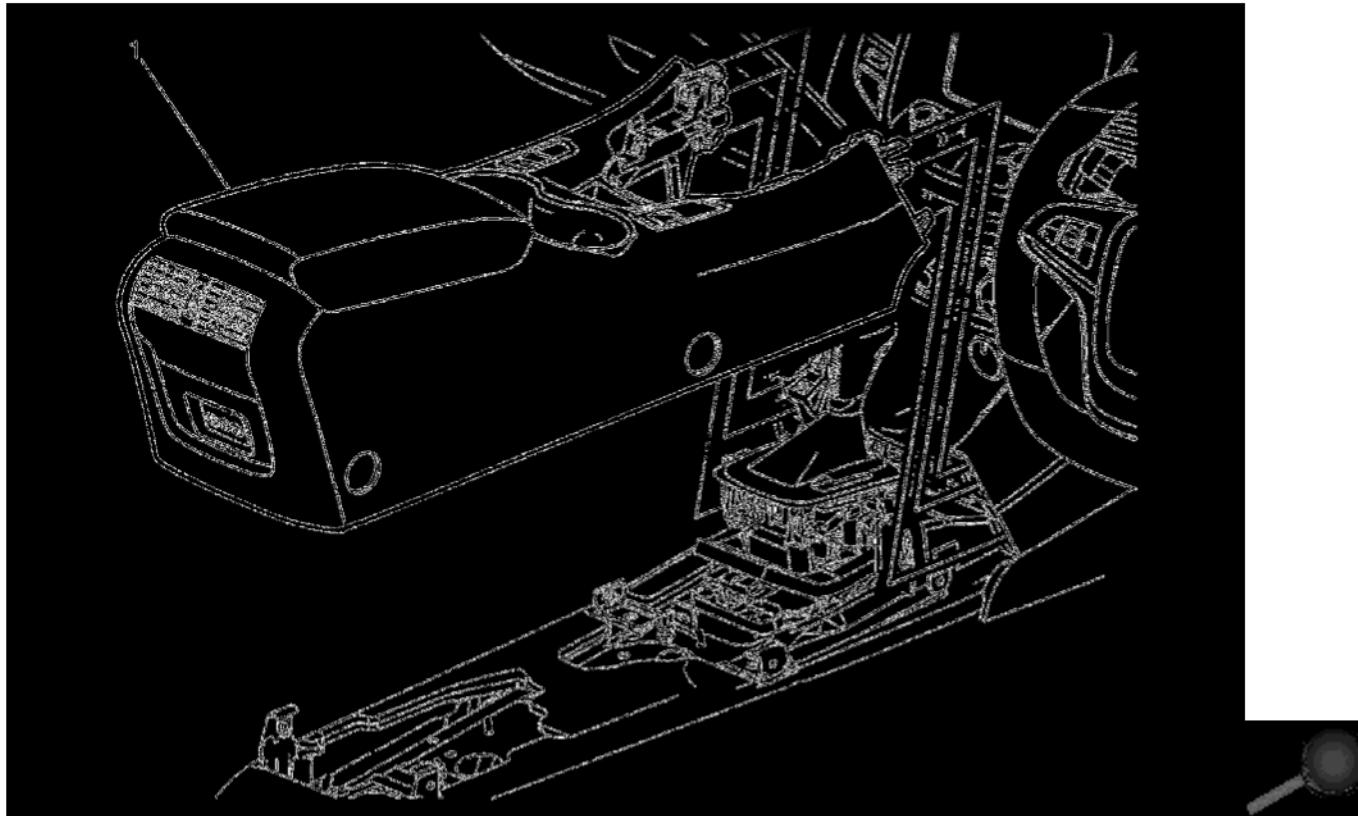
33. Install the windshield garnish moldings (1). Refer to [Windshield Garnish Molding Replacement](#).



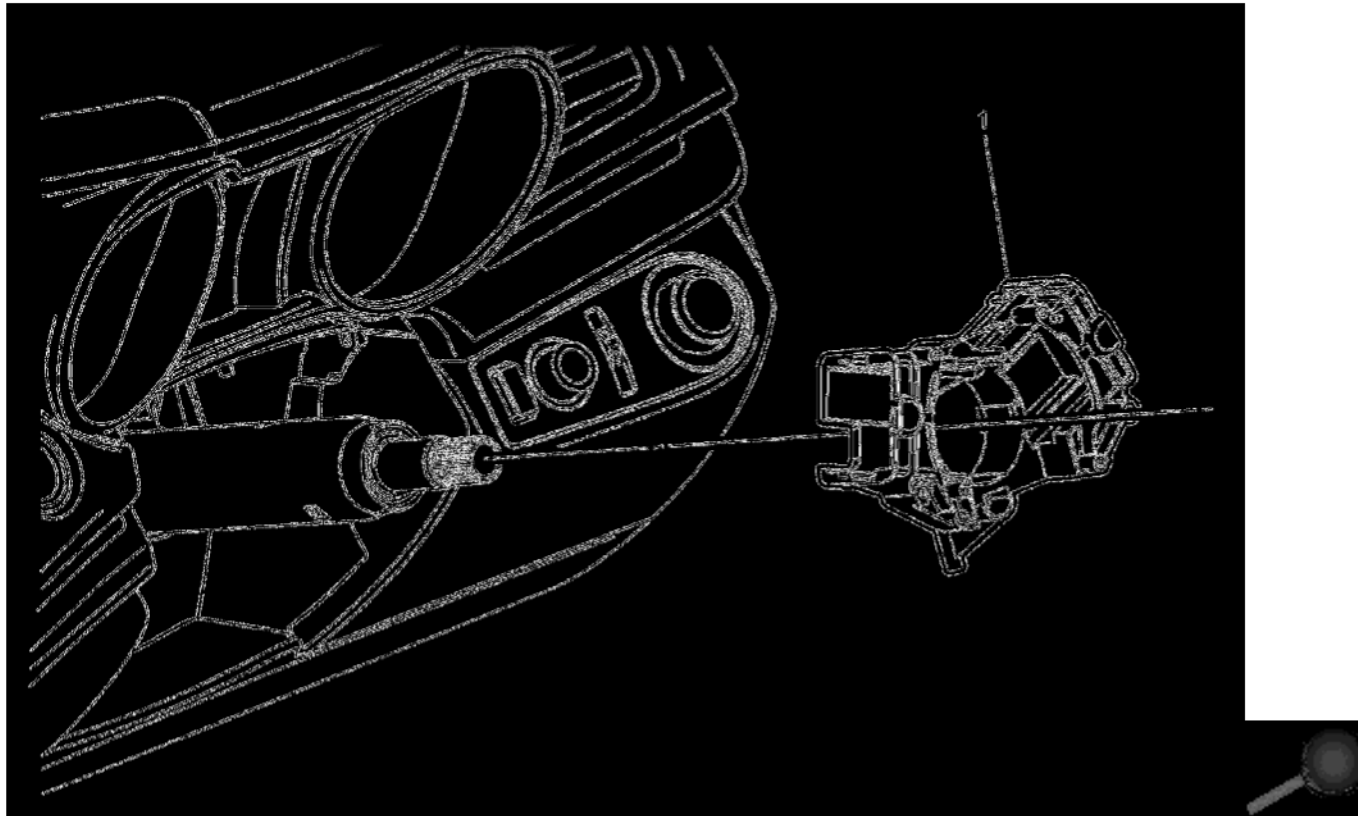
34. Install the right front floor console extension panel (1). Refer to [Front Floor Console Extension Panel Replacement - Right Side](#)



35. Install the left front floor console extension panel (1). Refer to [Front Floor Console Extension Panel Replacement - Left Side](#)



36. Install the front floor console (1). Refer to [Front Floor Console Replacement](#).

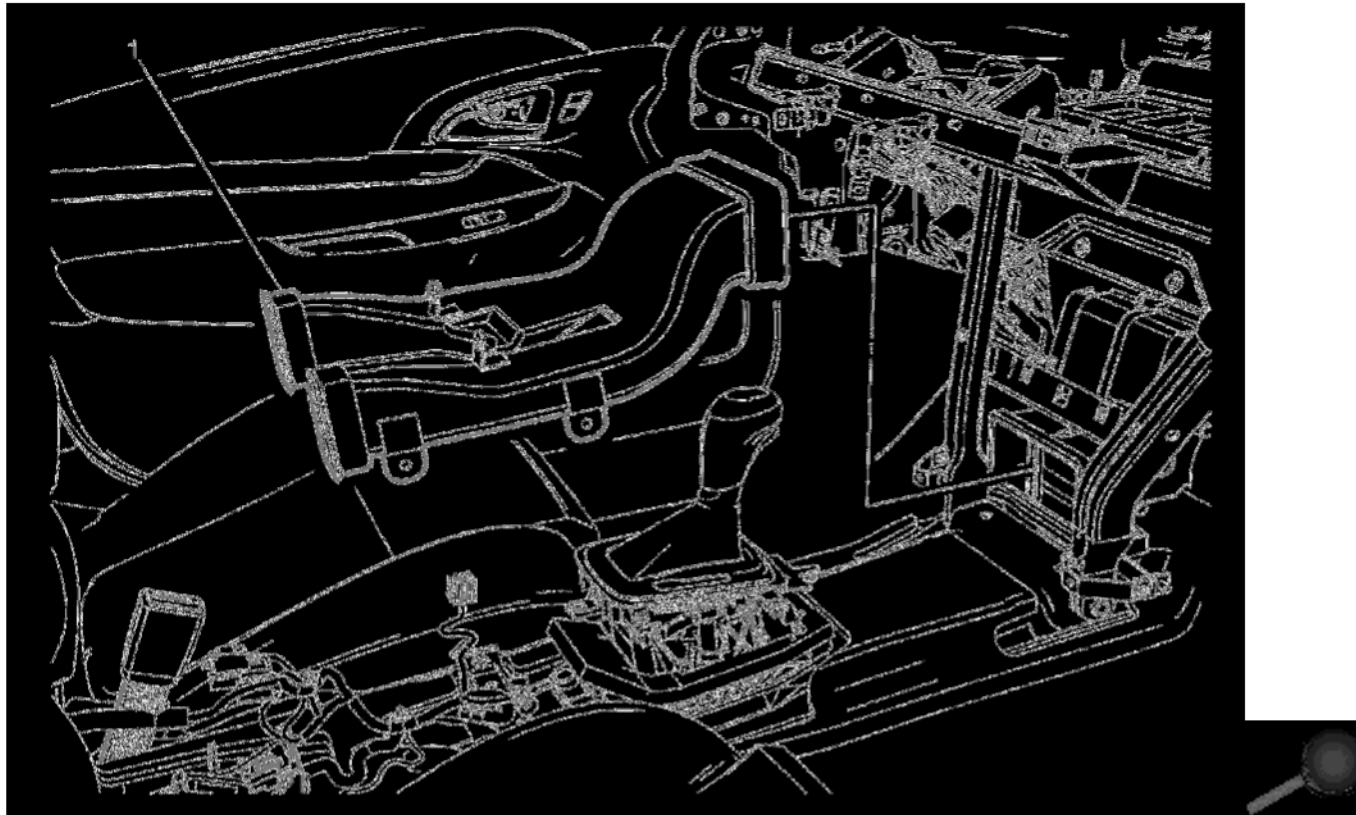


37. Install the turn signal switch bracket (1). Refer to [Turn Signal Switch Bracket Replacement](#).
38. Enable the SIR System. Refer to [SIR Disabling and Enabling](#).

Instrument Panel Tie Bar Replacement

Removal Procedure

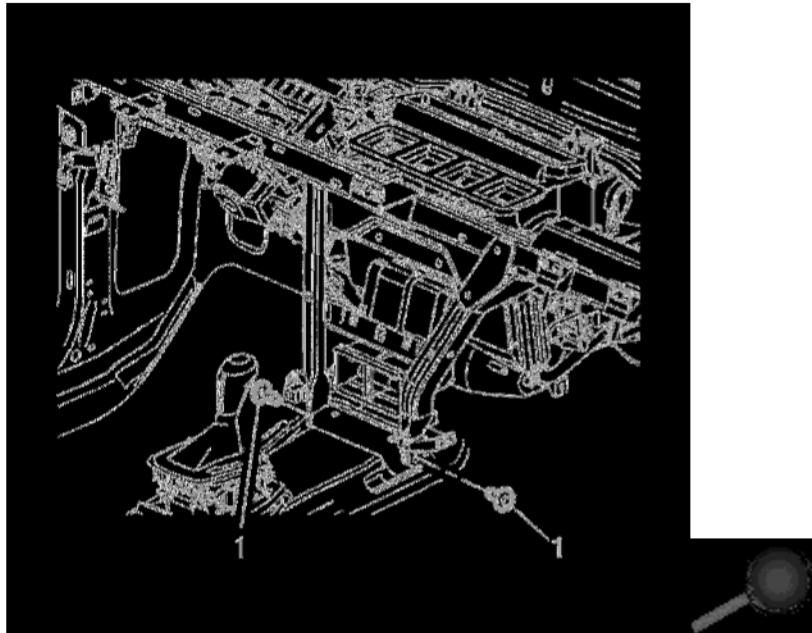
1. Remove the instrument panel assembly. Refer to [Instrument Panel Assembly Replacement](#).
2. Remove the steering column. Refer to [Steering Column Replacement](#).



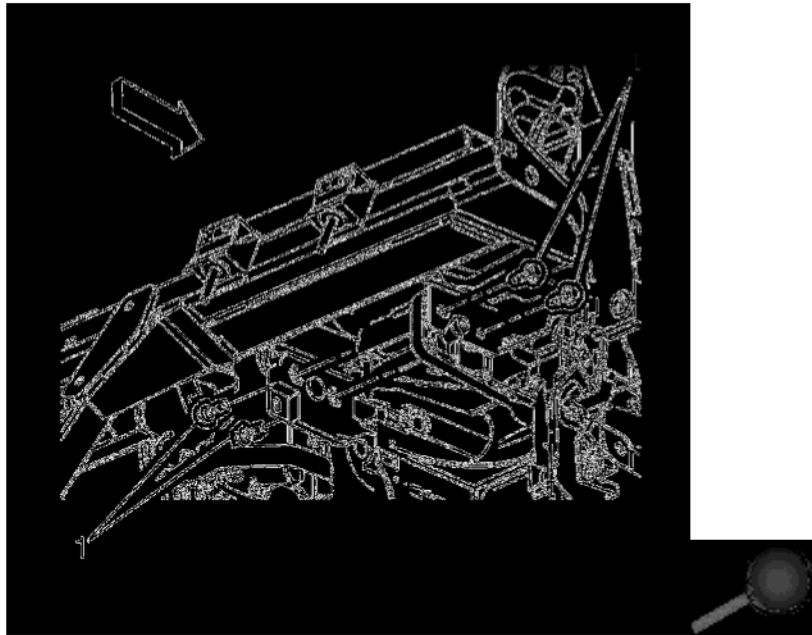
3. Disconnect the wiring harness from the front floor console air duct (1) and remove from the blower unit. Refer to [Front Floor Console Front Air Duct Replacement](#).



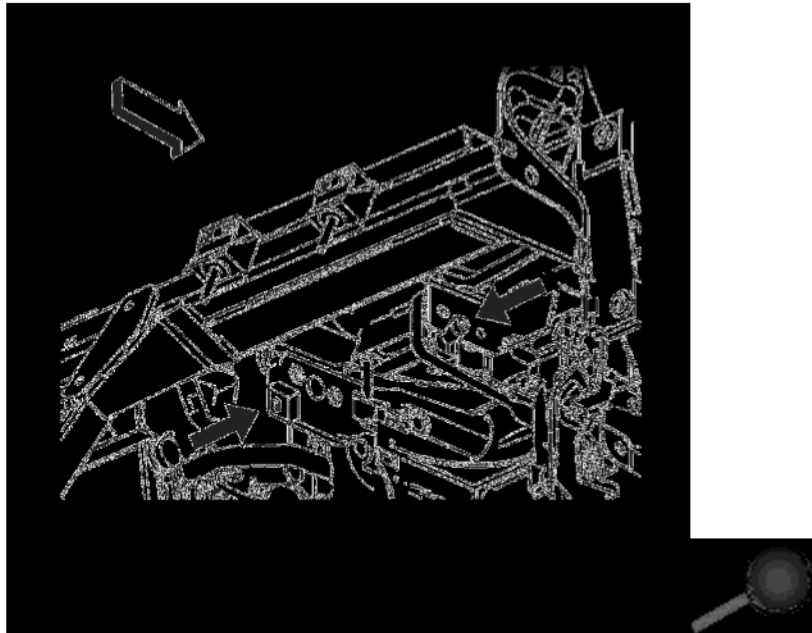
4. Remove the bolts (1) securing the instrument panel tie bar assembly to the HVAC module.



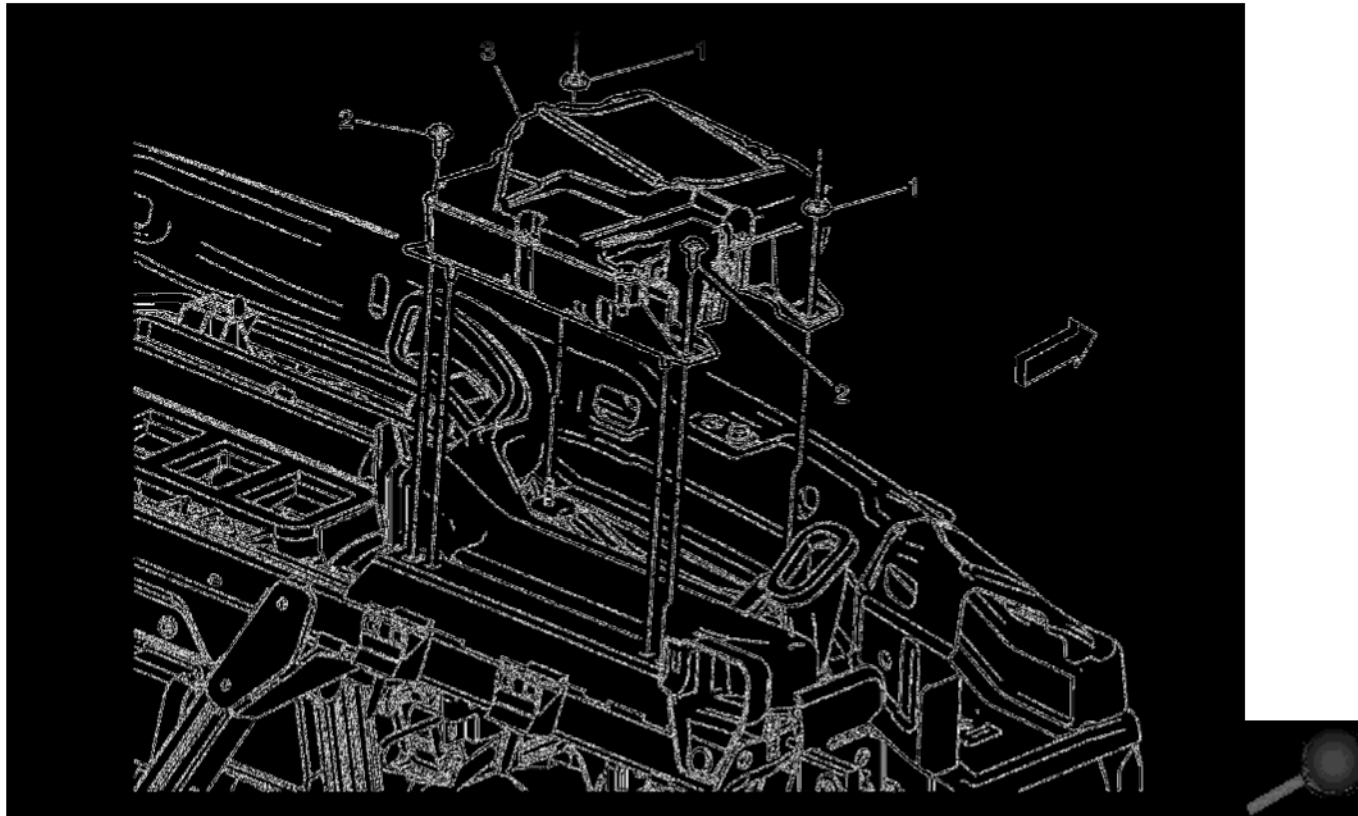
5. Remove the bolts (1) securing the instrument panel tie bar assembly to the front floor tunnel panel.



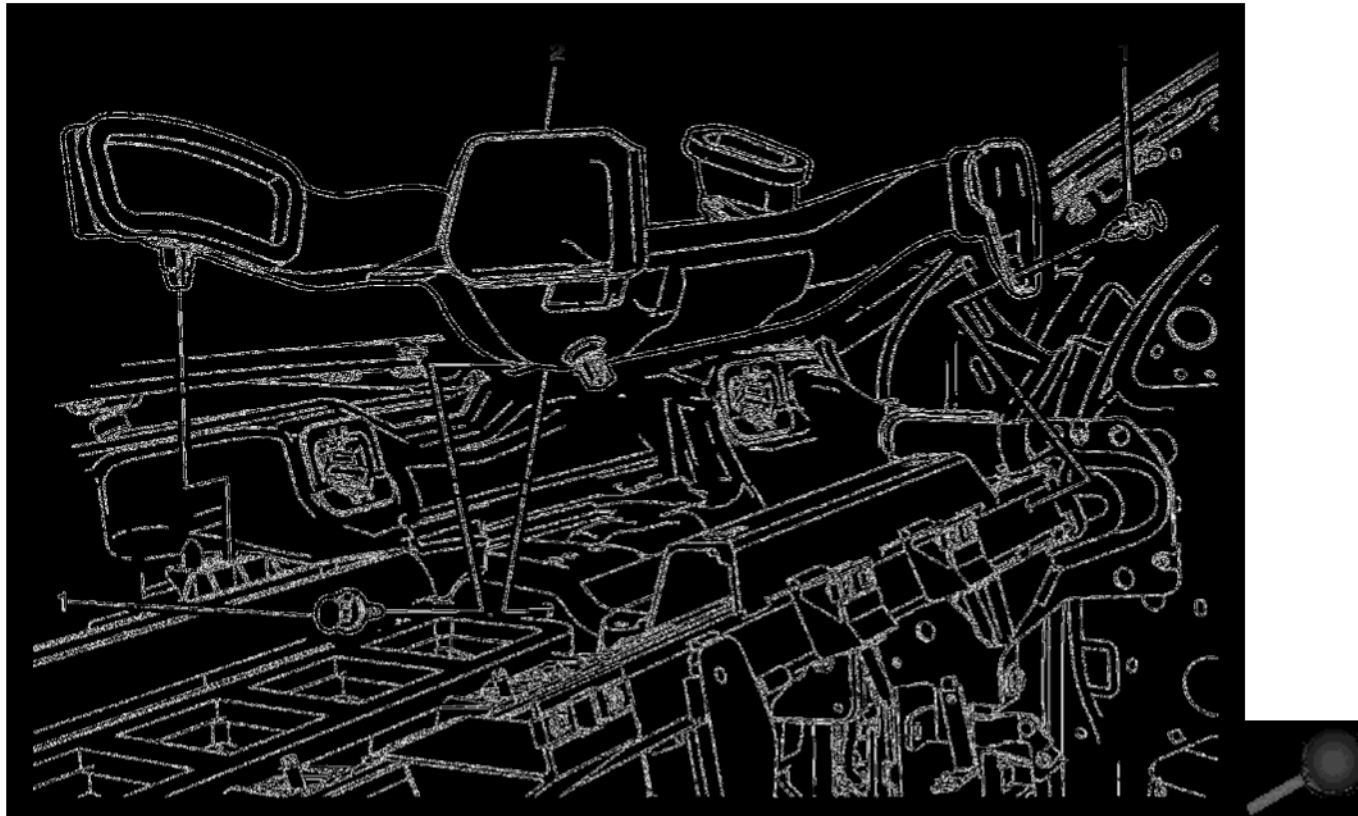
6. Remove the bolts (1) securing the instrument panel tie bar assembly to the brake pedal assembly.



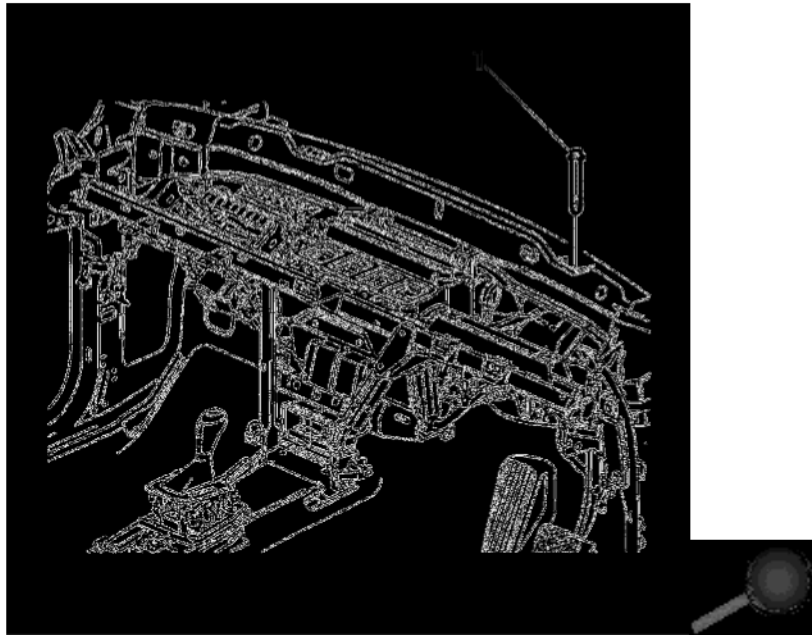
7. Push in and remove the locking dowels securing the instrument panel tie bar assembly to the brake pedal assembly.



8. Remove the head up display unit (3), if equipped. Refer to [Head-Up Display Replacement](#).



9. Remove the right instrument panel outer air outlet duct (2). Refer to [Instrument Panel Outer Air Outlet Duct Replacement - Right Side](#).
10. Ensure the duct air temperature sensor wiring is disconnected.

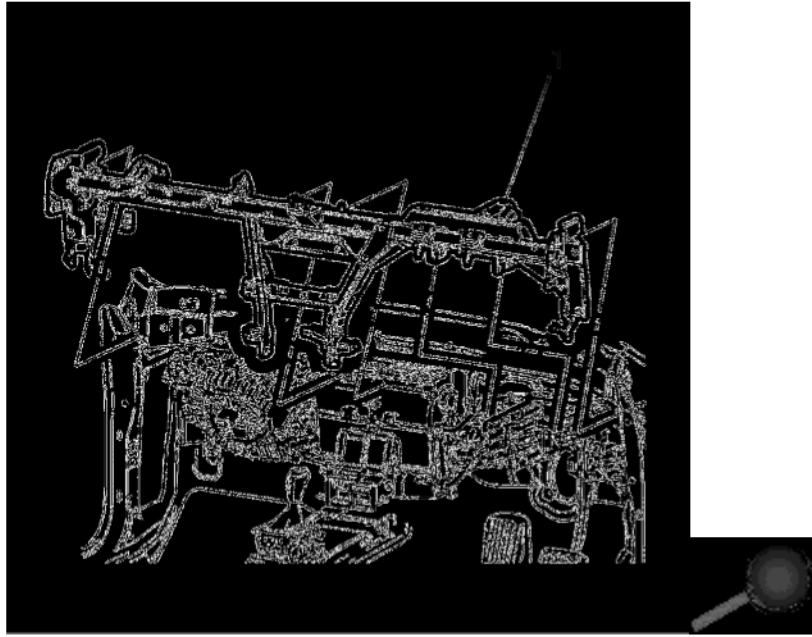


Note: When the bolt is unwound from the nut thread it will remain in the vehicle.

11. Remove the bolt (1) securing the instrument panel tie bar assembly to the windshield frame and plenum panel.

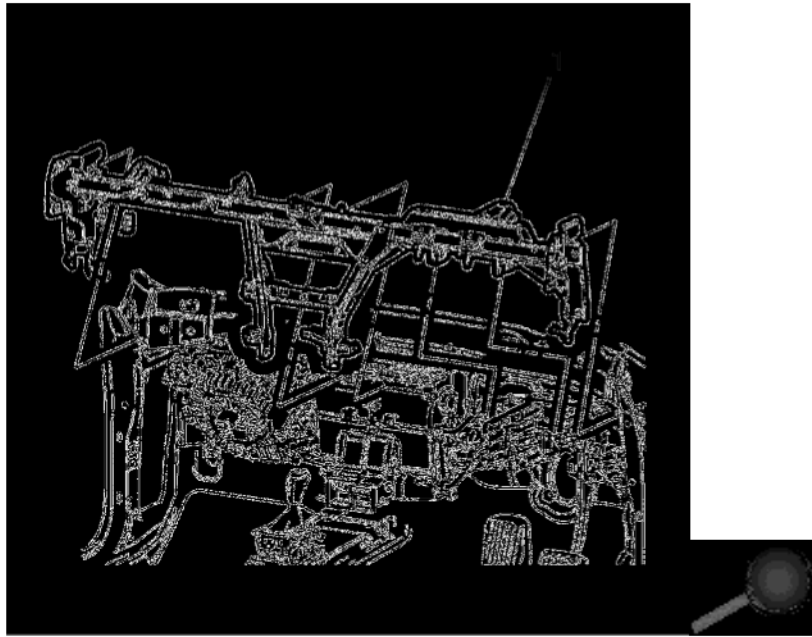


12. Remove the bolts (1) securing the instrument panel tie bar assembly to the vehicle body.
13. Note the location and routing of the instrument panel wiring harness prior to removal to ensure proper installation.

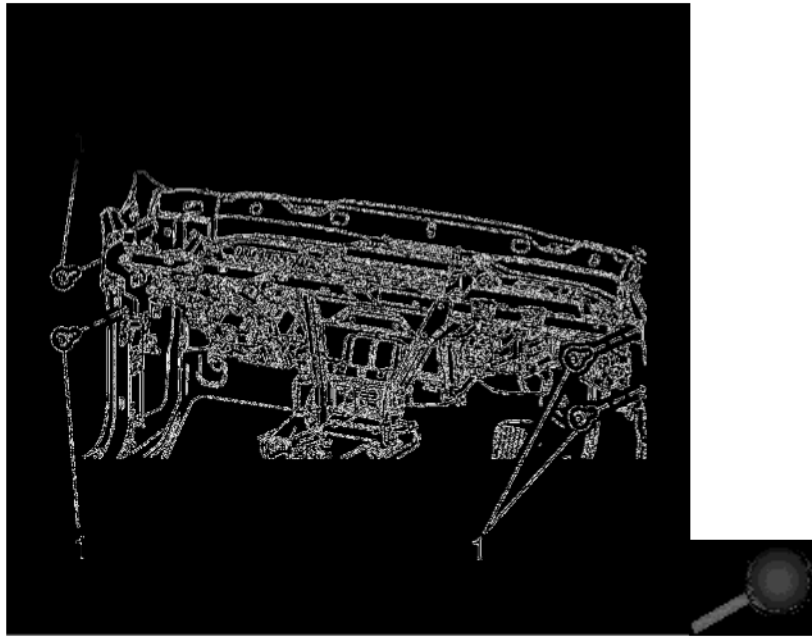


14. With the aid of an assistant remove the instrument panel tie bar assembly (1) from the vehicle.

Installation Procedure

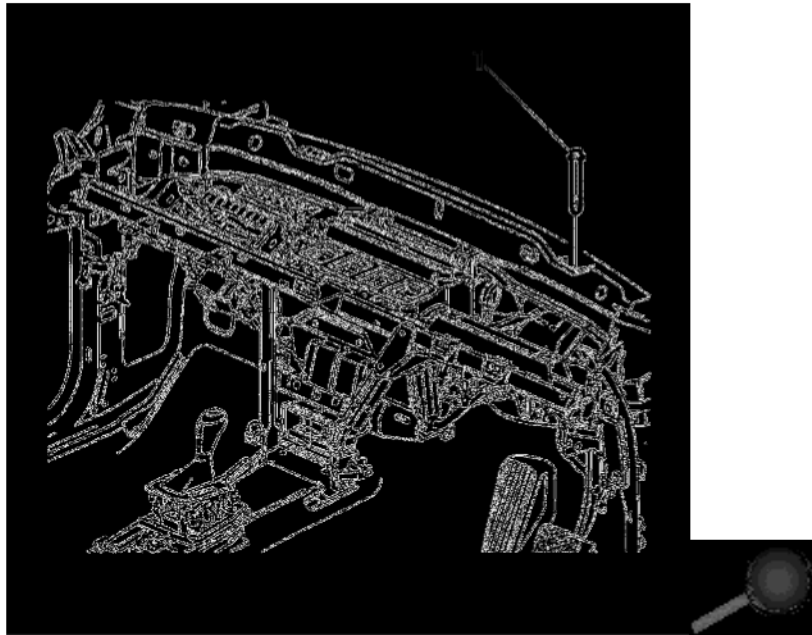


1. With the aid of an assistant, position the instrument panel tie bar assembly (1) into the vehicle.
2. Install the instrument panel wiring harness assembly to the position noted in the removal procedure.

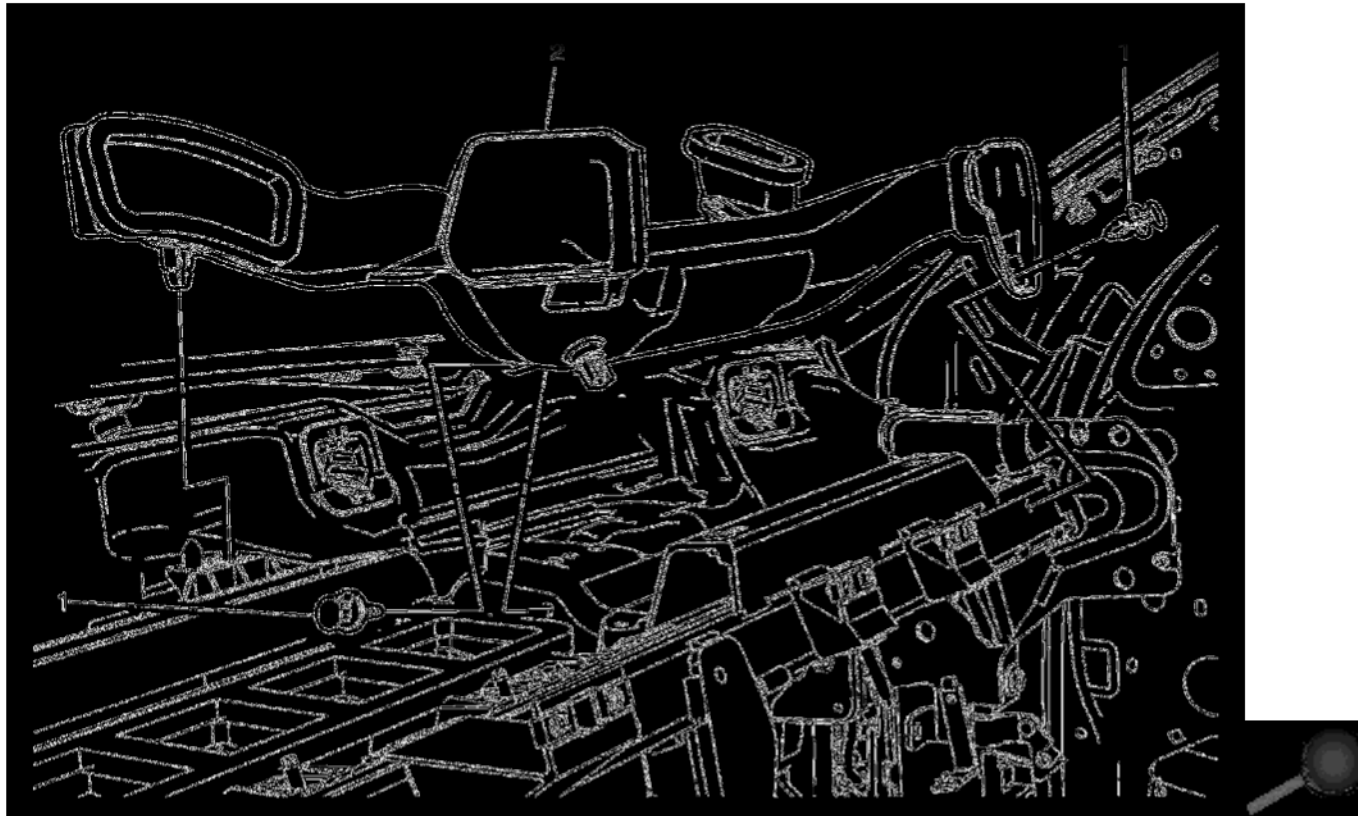


Caution: Refer to [Fastener Caution](#).

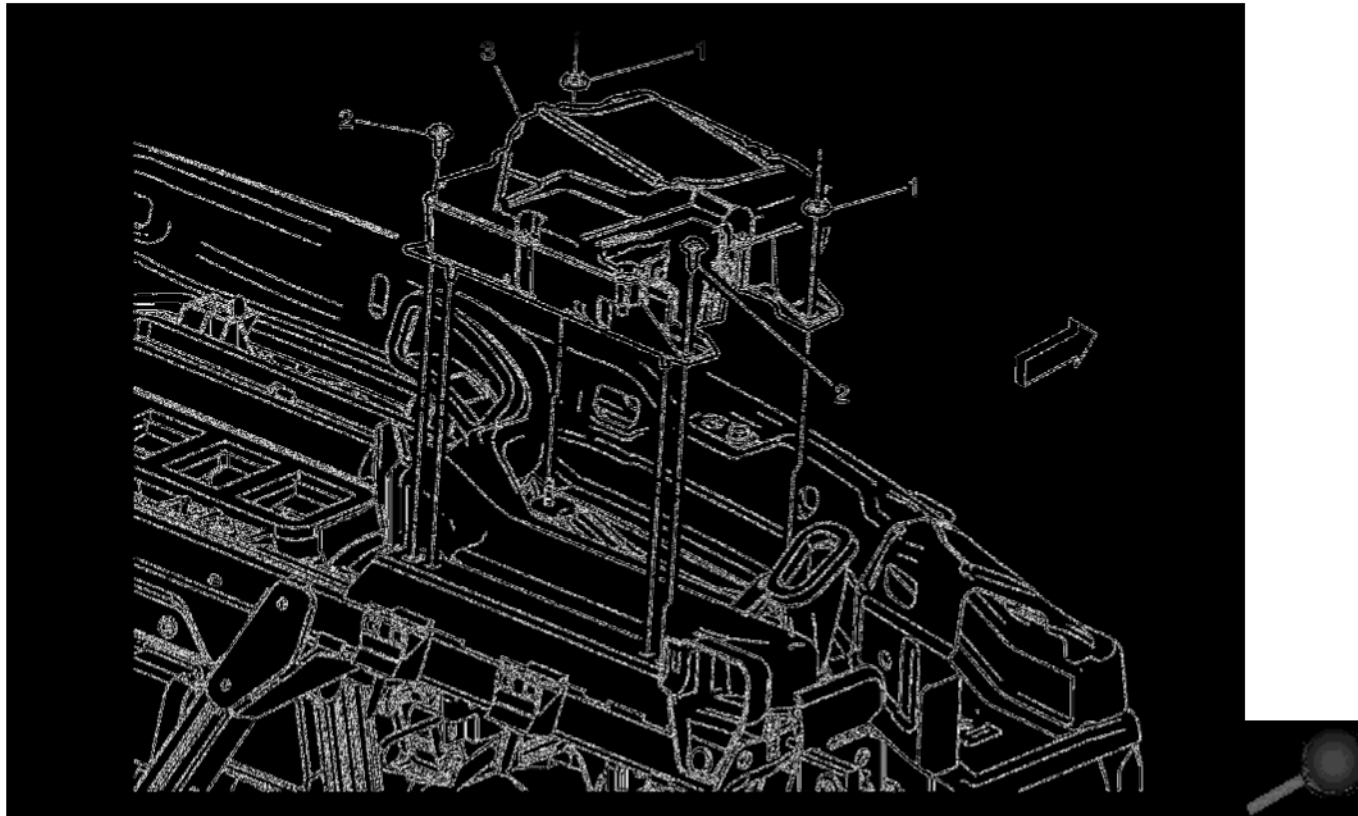
3. Install the bolts (1) securing the instrument panel tie bar assembly to the vehicle body and tighten to **25 N·m (18 lb ft)**.



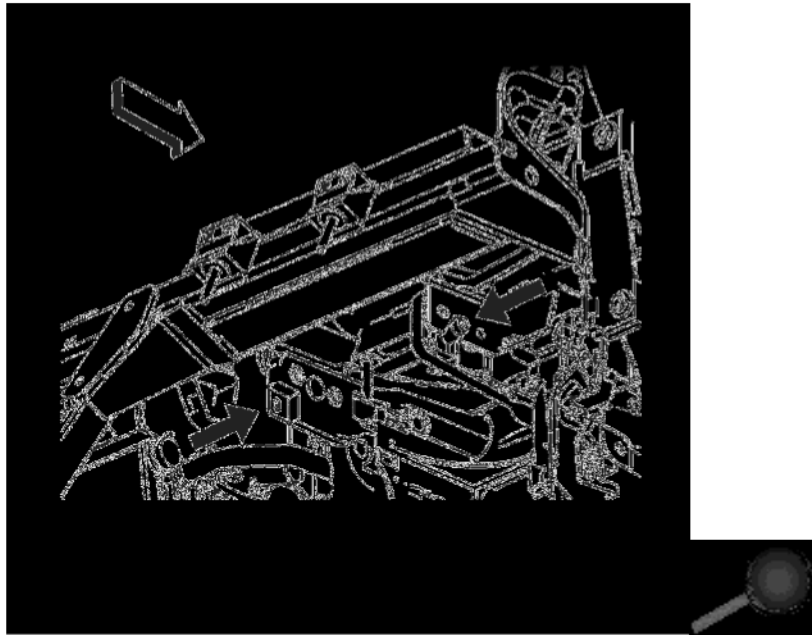
4. Install the bolt (1) securing the instrument panel tie bar assembly to the windshield frame and plenum panel and tighten to **22 N·m (16 lb ft)**.



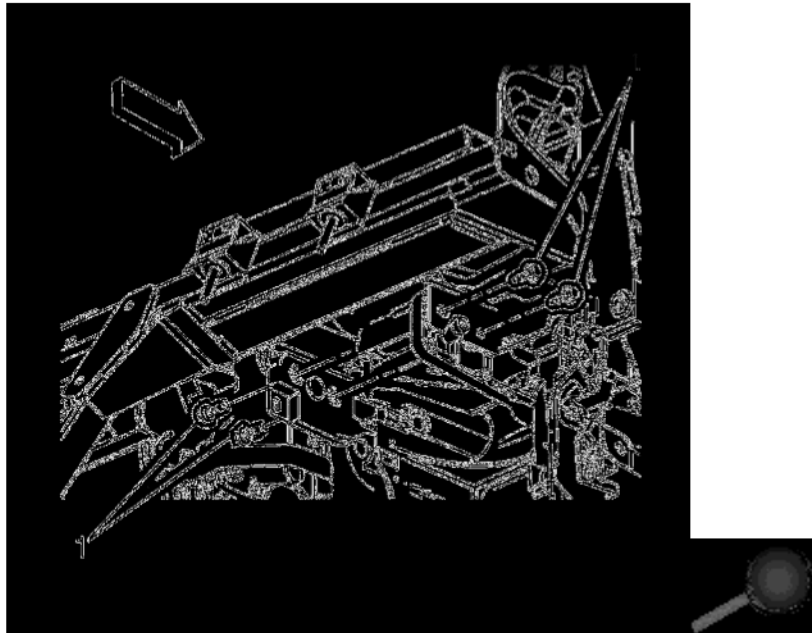
5. Install the right side instrument panel outer air outlet duct (2). Refer to [Instrument Panel Outer Air Outlet Duct Replacement - Right Side](#).
6. Connect the duct air temperature sensor wiring connector.



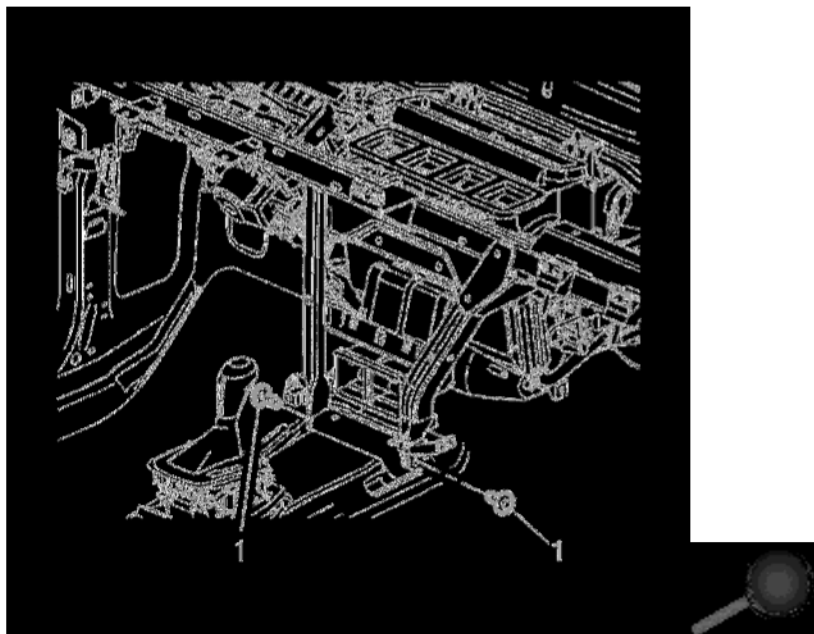
7. Install the head up display unit (3), if equipped. Refer to [Head-Up Display Replacement](#).



8. Refit the locking dowels securing the instrument panel tie bar assembly to the brake pedal assembly.



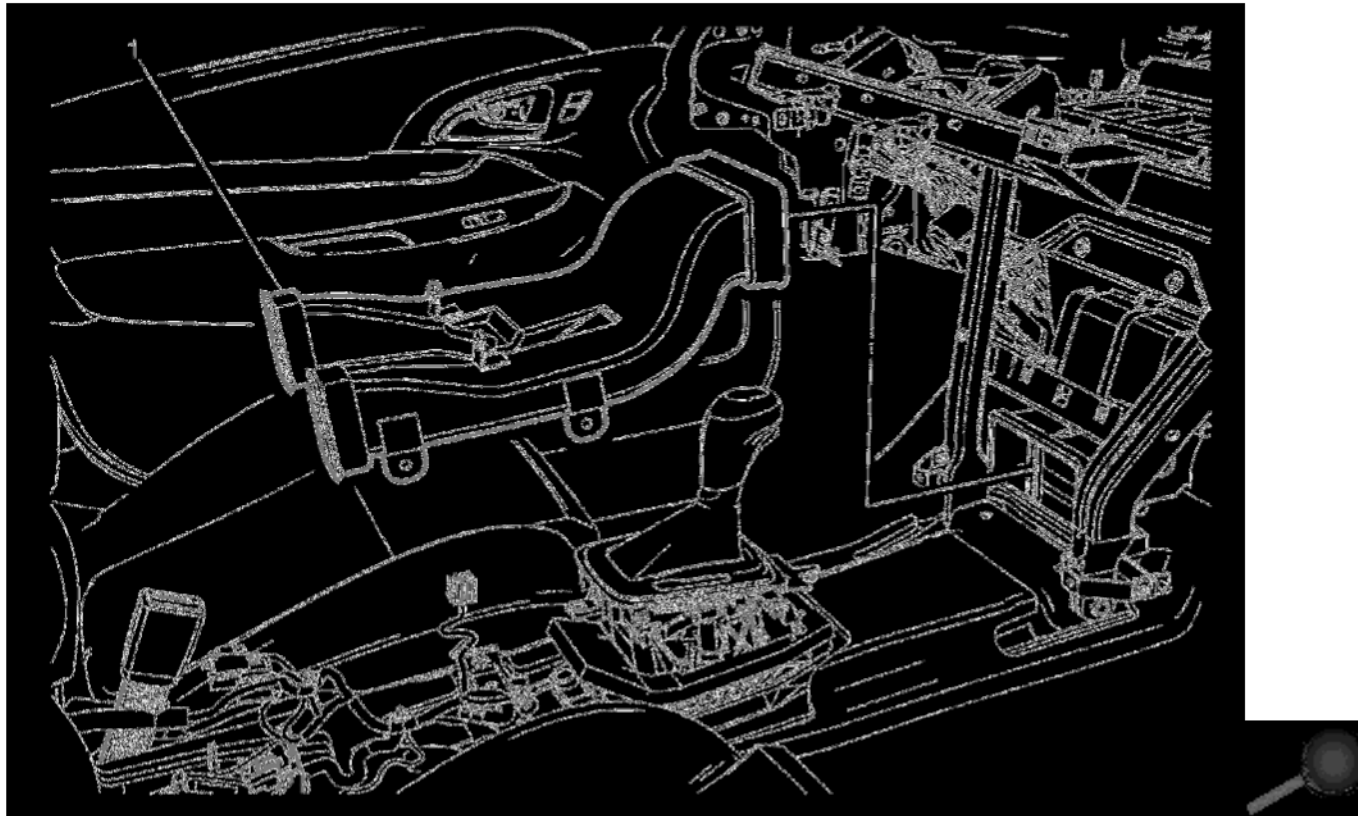
9. Install the bolts (1) securing the instrument panel tie bar assembly to the brake pedal assembly and tighten to **22 N·m (16 lb ft)**.



10. Install the bolts (1) securing the instrument panel tie bar assembly to the front floor tunnel panel and tighten to **25 N·m (18 lb ft)**.



11. Install the bolts (1) securing the instrument panel tie bar assembly to the HVAC module and tighten to **9 N·m (80 lb in)**.

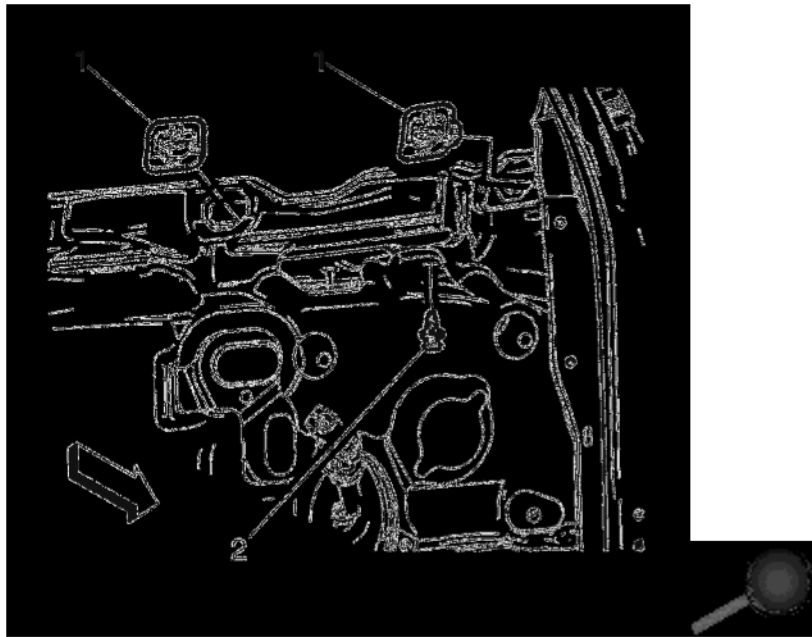


12. Install the front floor console front air duct (1) and reconnect the wiring harness. Refer to [Front Floor Console Front Air Duct Replacement](#).
13. Install the steering column. Refer to [Steering Column Replacement](#).
14. Install the instrument panel assembly. Refer to [Instrument Panel Assembly Replacement](#).

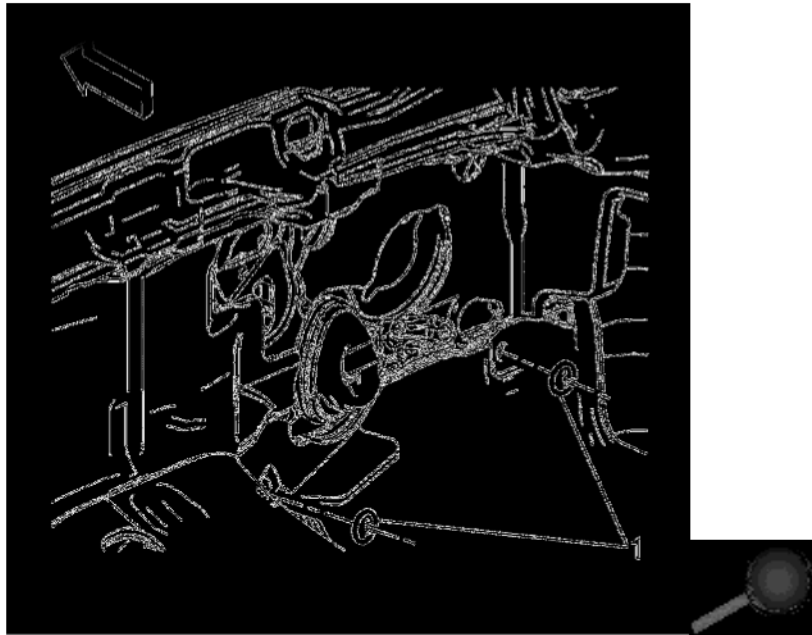
Dash Panel Inner Insulator Replacement

Removal Procedure

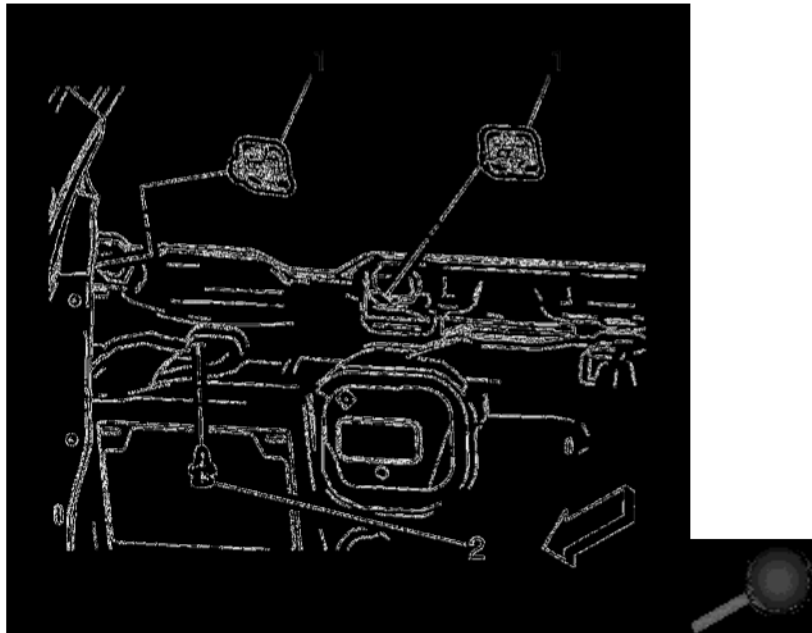
1. Remove the heater and air conditioning evaporator and blower module. Refer to [Heater and Air Conditioning Evaporator and Blower Module Removal and Installation](#).



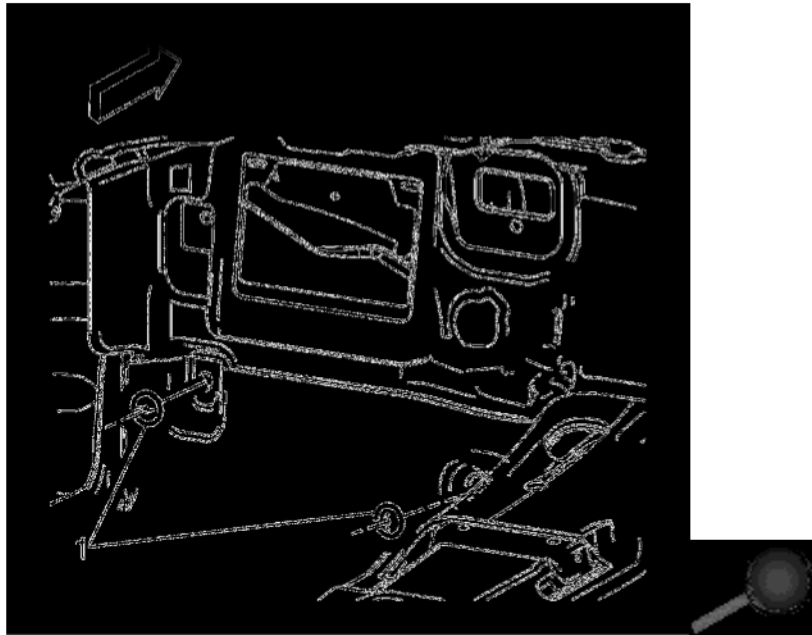
2. Release the instrument panel carrier clip (1) and the dash panel inner insulator retainer (2) with a suitable tool.



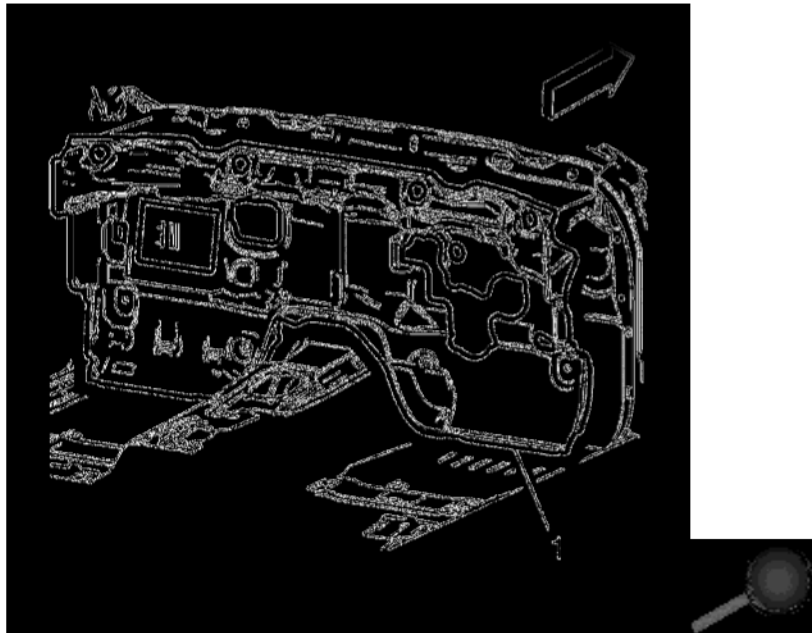
3. Release the floor carpet retainer button (1) with a suitable tool and pull back the carpet to access the dash panel inner insulator retainer (1) to release it with a suitable tool.



4. Release the instrument panel carrier clip (1) and the dash panel inner insulator retainer (2) with a suitable tool.

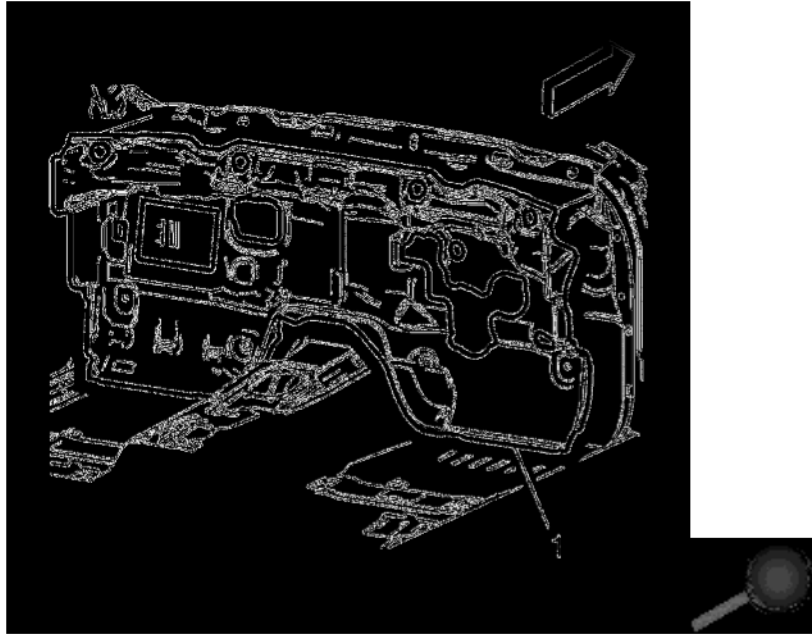


5. Release the floor carpet retainer button (1) with a suitable tool and pull back the carpet to access the dash panel inner insulator retainer (1) to release it with a suitable tool.

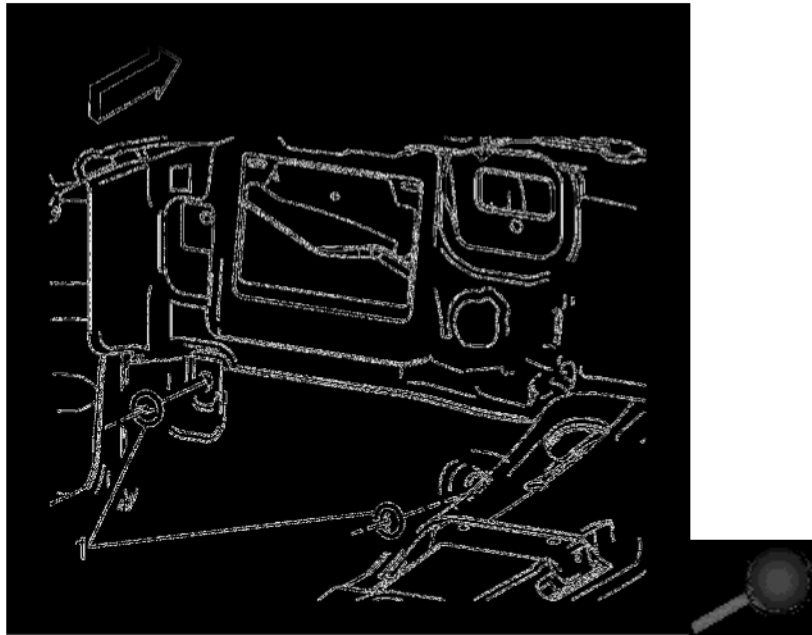


6. Remove the dash panel inner insulator (1) from the vehicle.

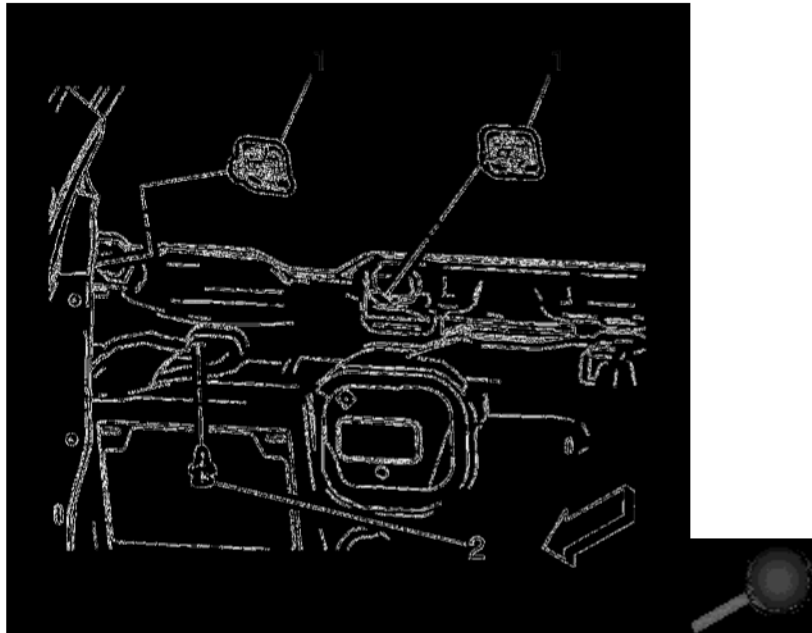
Installation Procedure



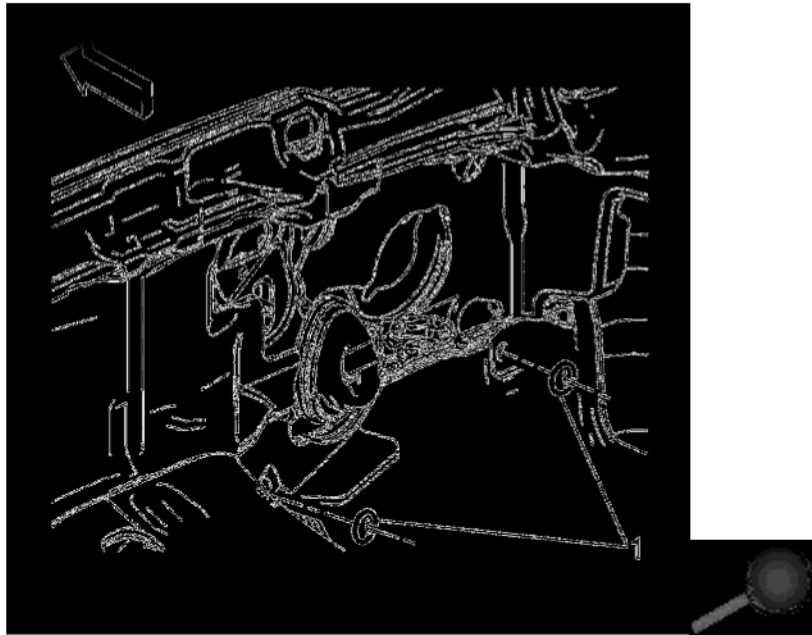
1. Install the dash panel inner insulator (1) into the vehicle.



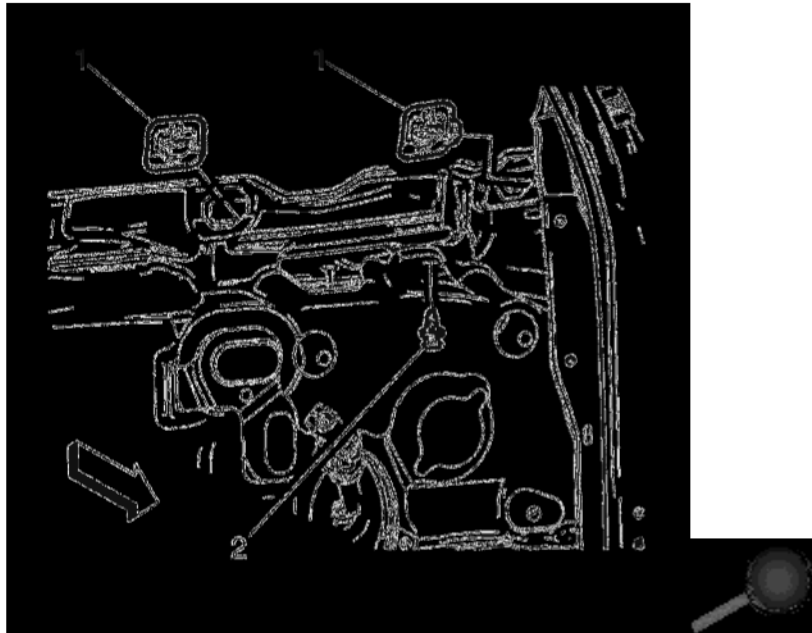
2. Install both the floor carpet retainer button (1) and the dash panel inner insulator retainer (1) to the insulator and the carpet.



3. Install the instrument panel carrier clip (1) and the dash panel inner insulator retainer (2) with a suitable tool.



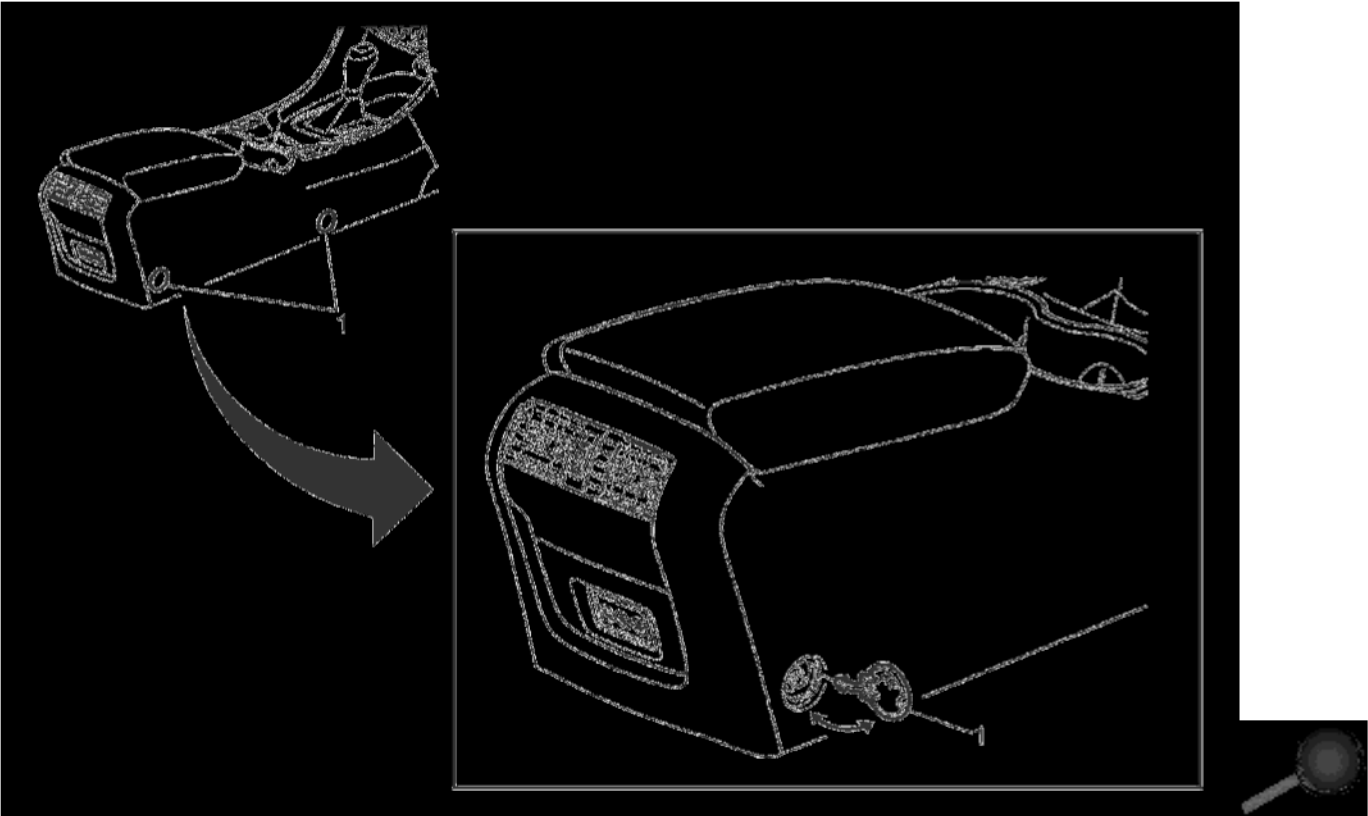
4. Install both the floor carpet retainer button (1) and the dash panel inner insulator retainer (1) to the insulator and the carpet.



5. Install the instrument panel carrier clip (1) and the dash panel inner insulator retainer (2) with a suitable tool.

6. Install the heater and air conditioning evaporator and blower module. Refer to [Heater and Air Conditioning Evaporator and Blower Module Removal and Installation](#).

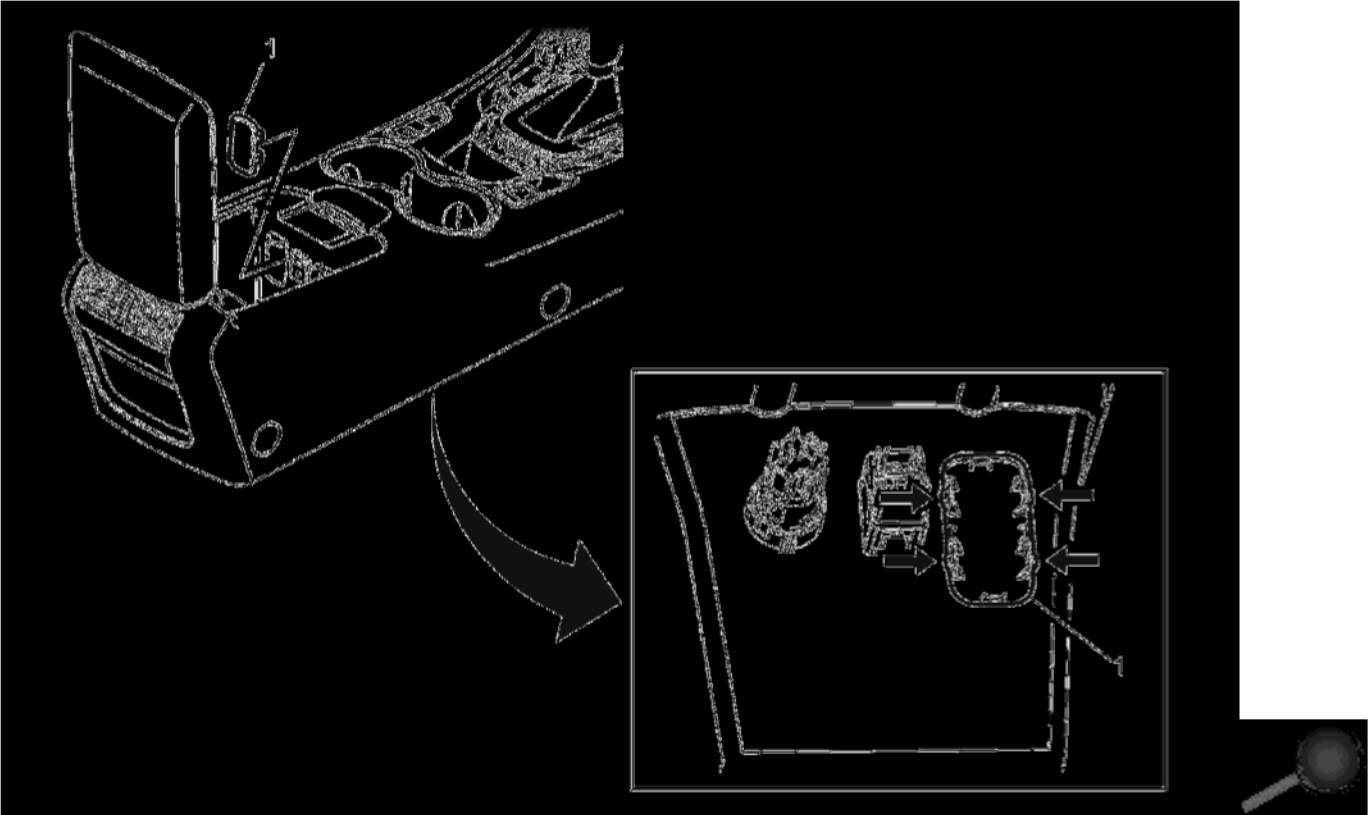
Front Floor Console Bolt Access Hole Cover Replacement



Front Floor Console Bolt Access Hole Cover Replacement

Callout	Component Name
1	Front Floor Console Bolt Access Hole Cover (Right or Left) Procedure © 2014 General Motors. All rights reserved. Use a flat bladed plastic trim tool in order to release the right or left access hole cover from the front floor console.

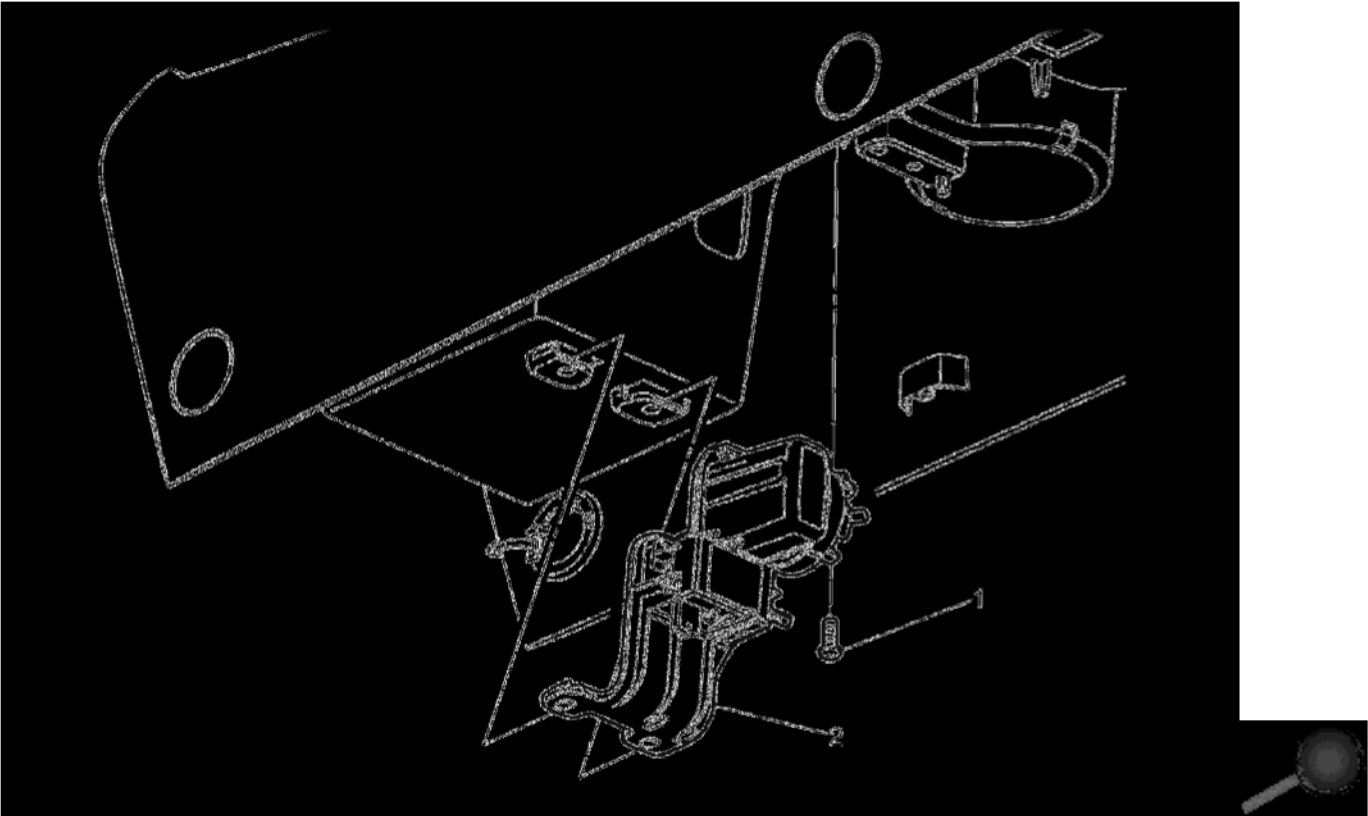
Front Floor Console Front Compartment Replacement (Without BTM)



Front Floor Console Front Compartment Replacement

Callout	Component Name
1	Front Floor Console Front Compartment Procedure © 2014 General Motors. All rights reserved. Use a flat bladed plastic trim tool in order to release the tabs securing the cover to the front floor console assembly.

Front Floor Console Front Compartment Replacement (With BTM)

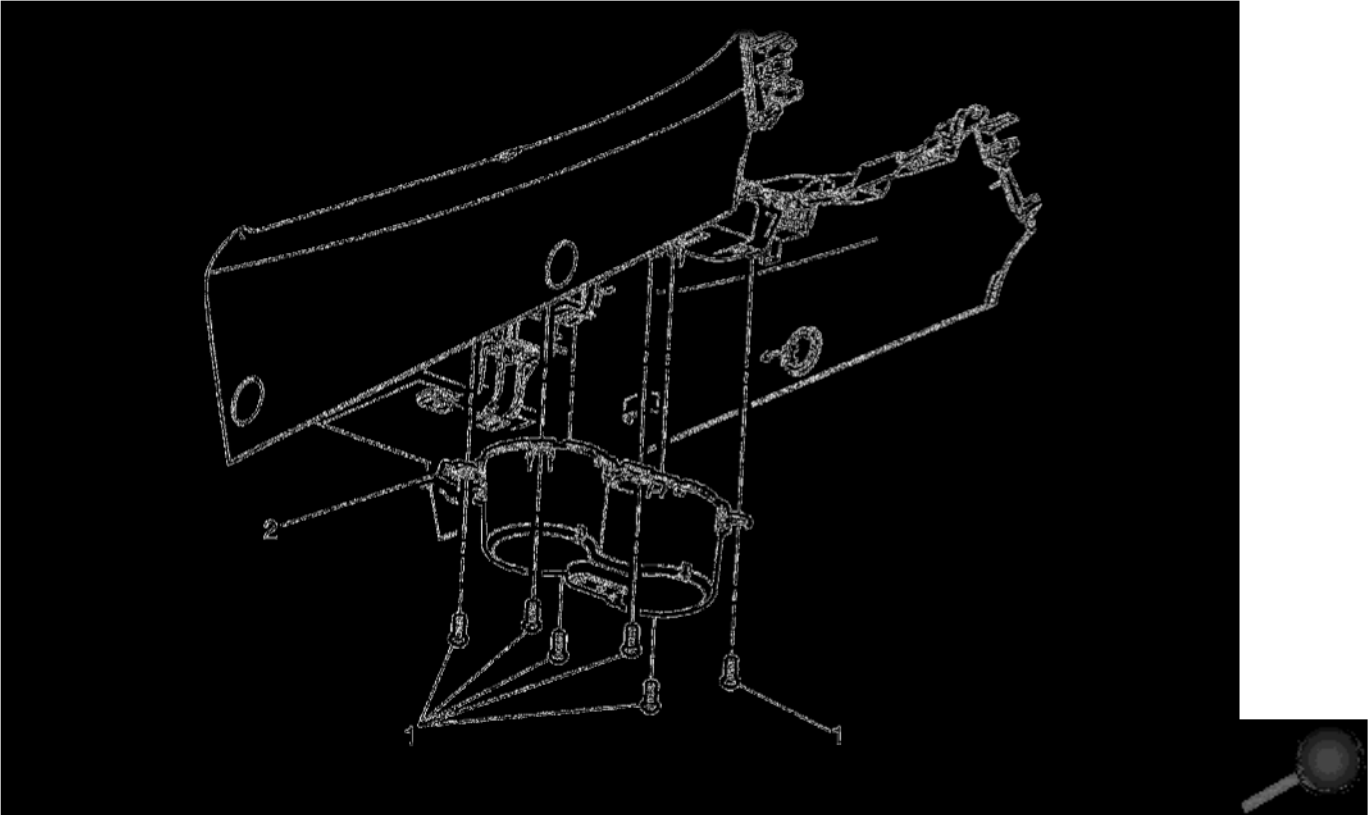


Front Floor Console Front Compartment Replacement

Callout	Component Name
Preliminary Procedure Remove the front floor console reinforcement. Refer to Front Floor Console Reinforcement Replacement . © 2014 General Motors. All rights reserved.	
	Front Floor Console Bolt Caution: Refer to Fastener Caution .

1	Tighten 1.5 N•m (13 lb in)
2	Front Floor Console Front Compartment Procedure Transfer components as necessary.

Front Floor Console Cup Holder Replacement

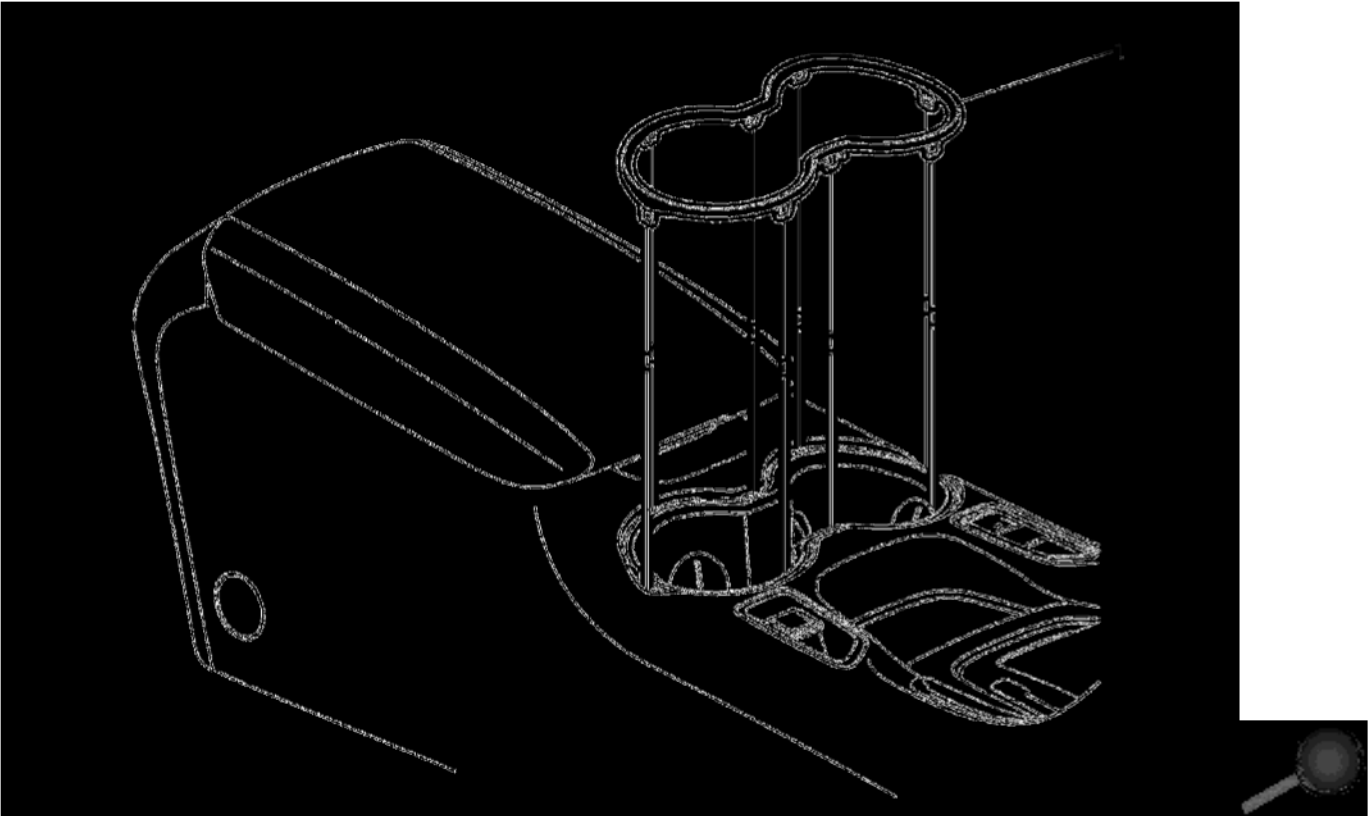


Front Floor Console Cup Holder Replacement

Callout	Component Name
Preliminary Procedure Remove the front floor console reinforcement. Refer to Front Floor Console Reinforcement Replacement . © 2014 General Motors. All rights reserved.	
	Front Floor Console Bolt (Qty: 6) Caution: Refer to Fastener Caution .

1	Tighten 1 N•m (9 lb in)
2	Front Floor Console Cup Holder

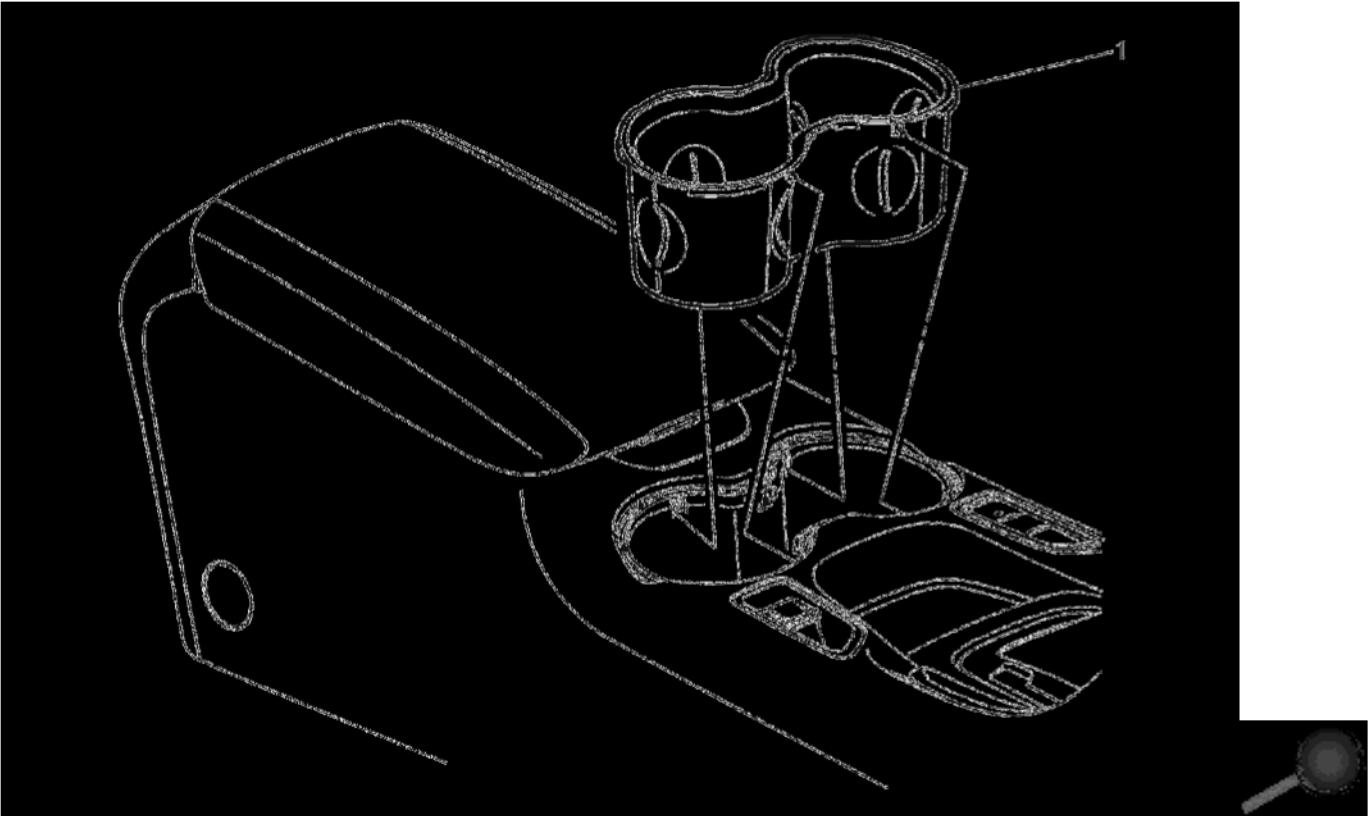
Front Floor Console Cup Holder Bezel Replacement



Front Floor Console Cup Holder Bezel Replacement

Callout	Component Name
1	Front Floor Console Cup Holder Bezel Procedure Use a flat bladed plastic trim tool to remove the bezel from the console. © 2014 General Motors. All rights reserved.

Front Floor Console Cup Holder Liner Replacement

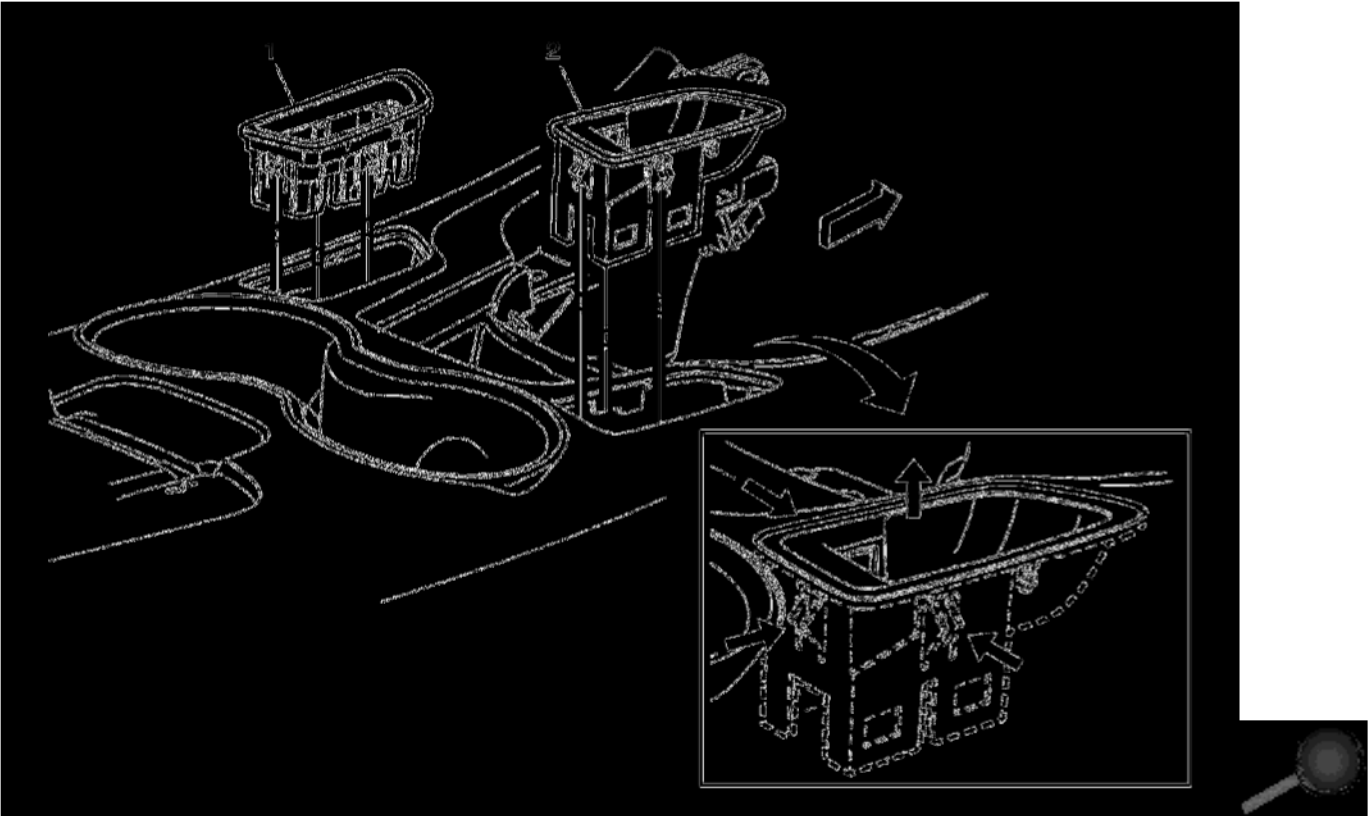


Front Floor Console Cup Holder Liner Replacement

Callout	Component Name
Preliminary Procedure Remove the front floor console cup holder bezel. Refer to Front Floor Console Cup Holder Bezel Replacement .	
1	Front Floor Console Cup Holder Liner Procedure

Use a flat bladed plastic trim tool to remove the liner from the console.

Front Floor Console Accessory Switch Mount Plate Replacement

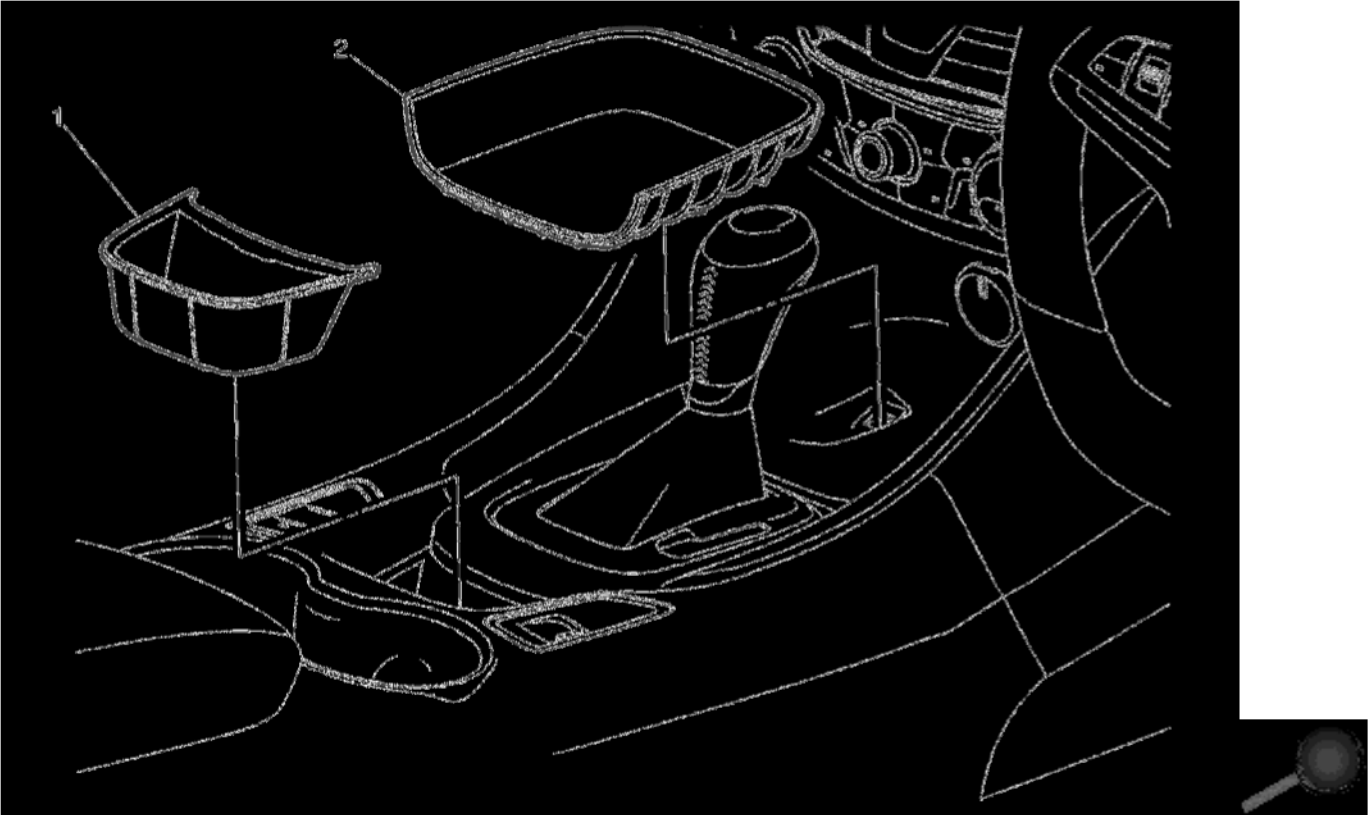


Front Floor Console Accessory Switch Mount Plate Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the accessory switch. Refer to Accessory Switch Replacement .	
2. Remove the parking brake actuator switch. Refer to Parking Brake Actuator Switch Replacement .	

1	Front Floor Console Accessory Switch Mount Plate - Left Side Procedure Use a suitable tool to release the tabs securing the switch mount plate to the front floor console assembly.
2	Front Floor Console Accessory Switch Mount Plate - Right Side Procedure Use a suitable tool to release the tabs securing the switch mount plate to the front floor console assembly.

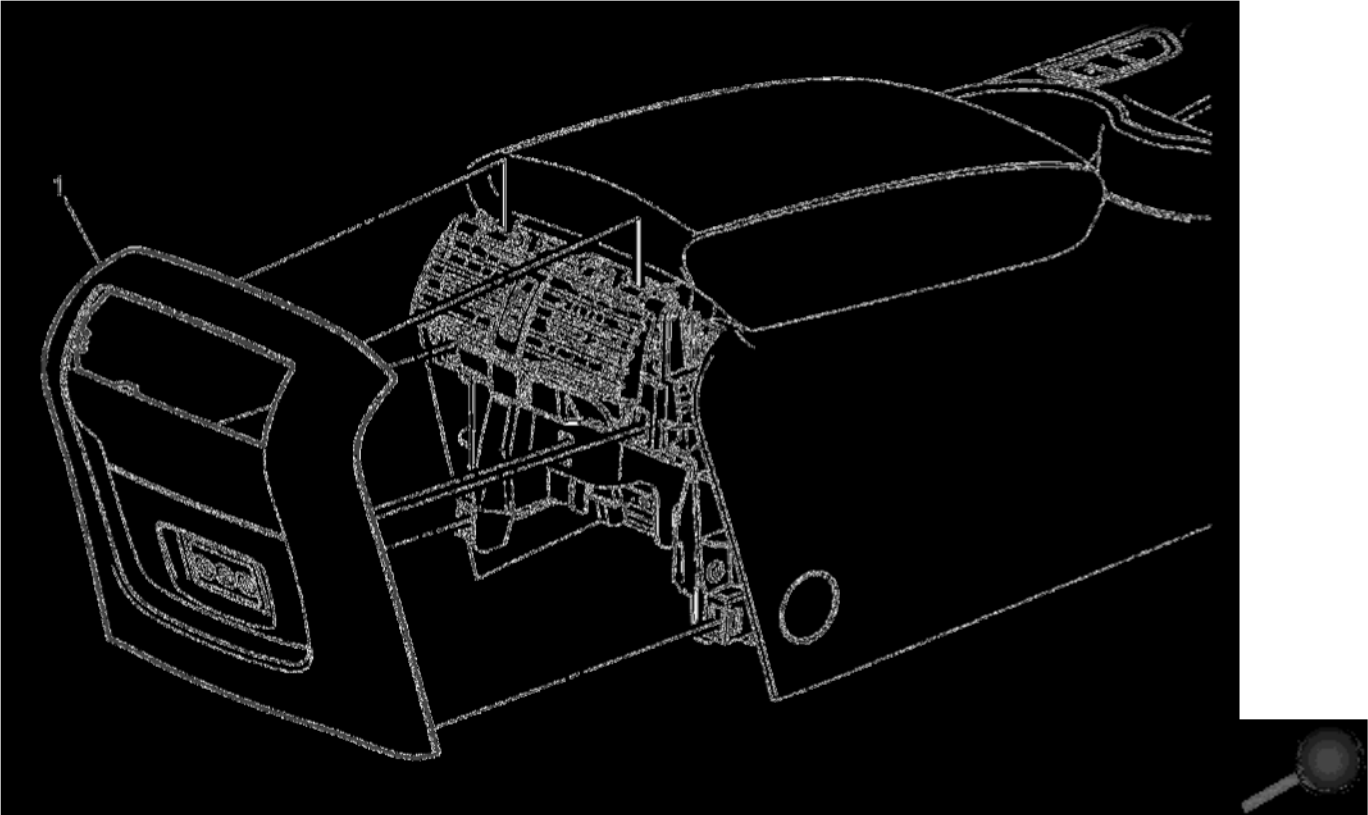
Front Floor Console Compartment Liner Replacement



Front Floor Console Compartment Liner Replacement

Callout	Component Name
1	Front Floor Console Compartment Liner - Centre Liner
2	Front Floor Console Compartment Liner - Forward Liner

Front Floor Console Rear Trim Panel Replacement

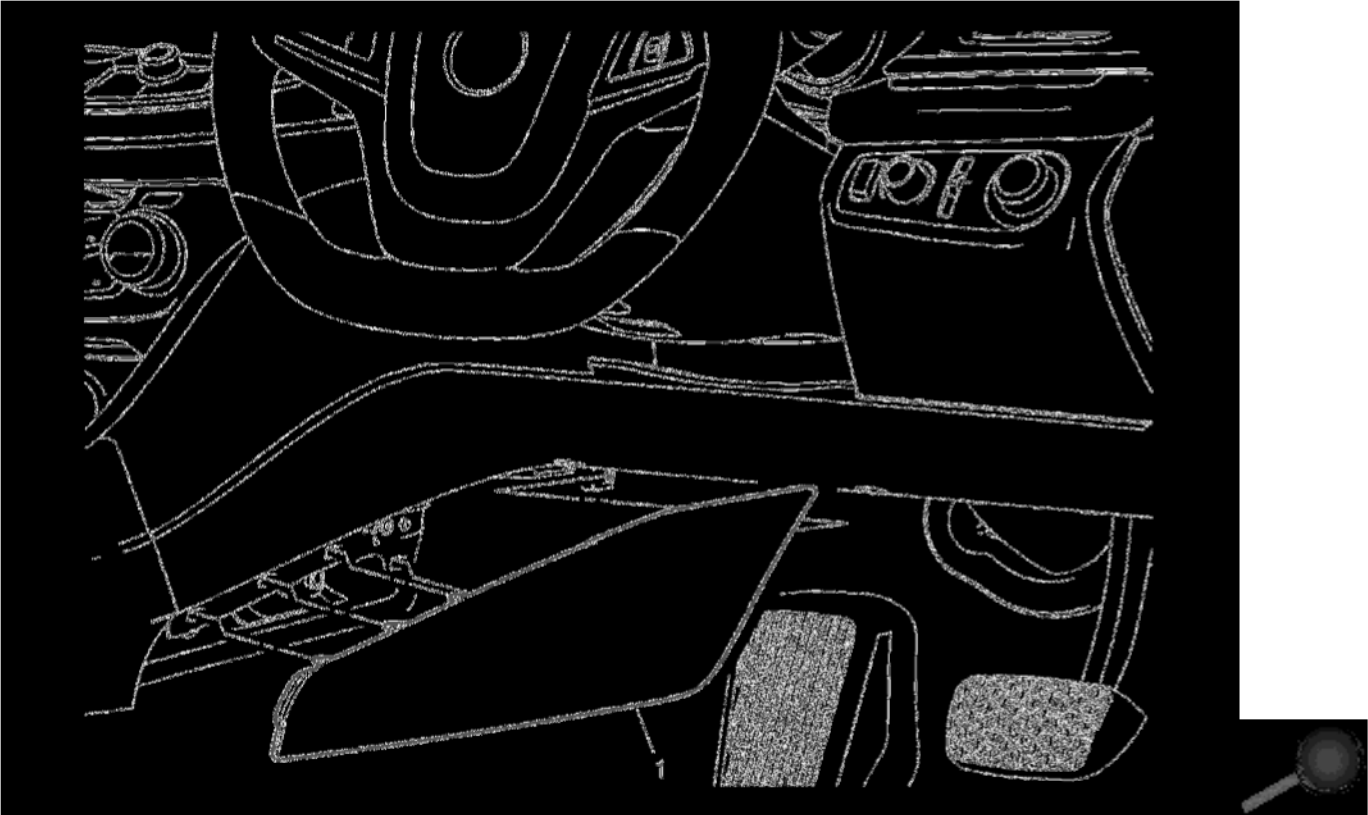


Front Floor Console Rear Trim Panel Replacement

Callout	Component Name
1	Front Floor Console Rear Trim Panel Procedures © 2014 General Motors. All rights reserved. 1. Use a flat bladed plastic trim tool to remove the trim panel from the console. 2. Disconnect the electrical connection.

3. Transfer components as necessary.

Front Floor Console Extension Panel Replacement - Right Side

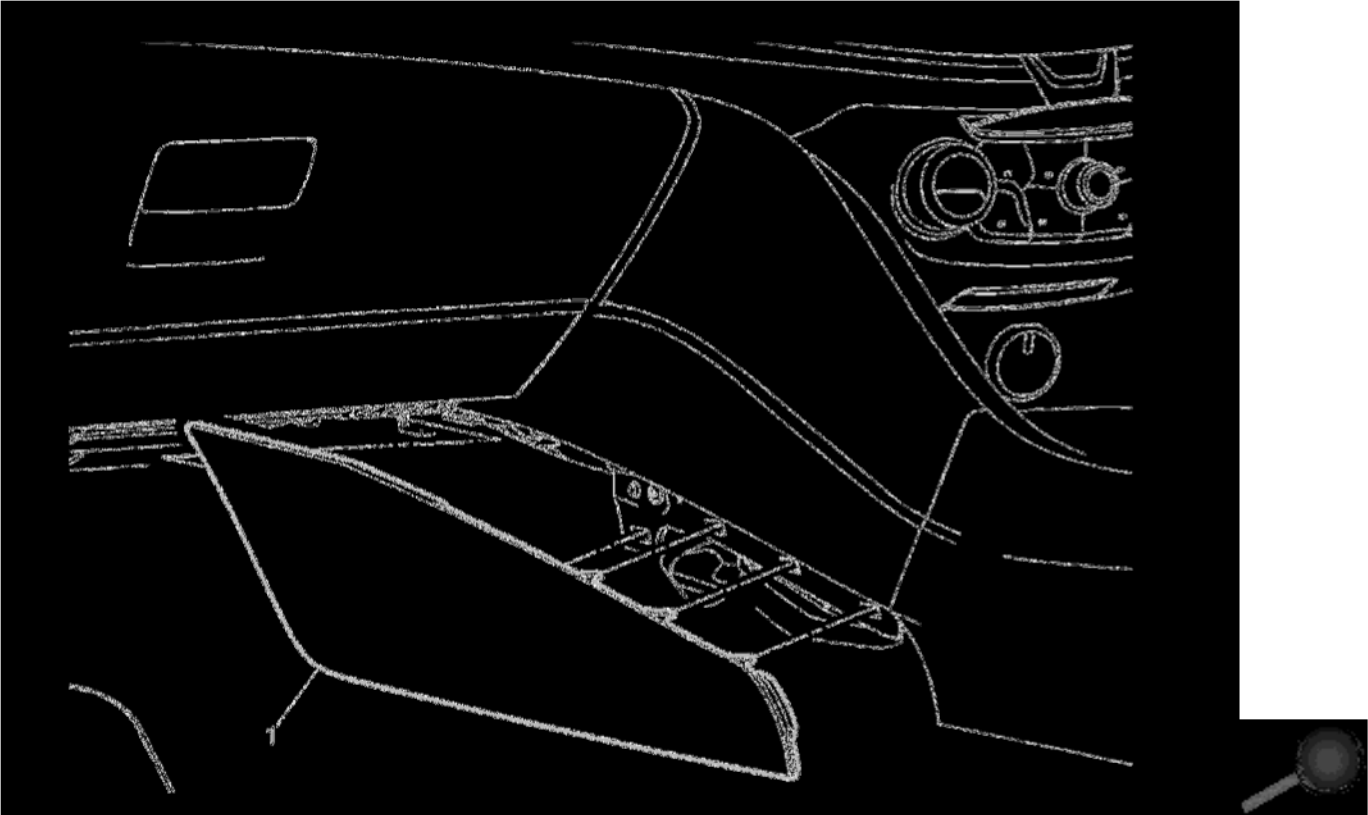


Front Floor Console Extension Panel Replacement - Right Side

Callout	Component Name
1	Front Floor Console Extension Panel - Right Procedure 1. Move the front seat rearward to access the retainers on the rear of the panel. 2. Use a flat bladed plastic trim tool to aid in the removal of the panel from the front floor console assembly.



Front Floor Console Extension Panel Replacement - Left Side



Front Floor Console Extension Panel Replacement - Left Side

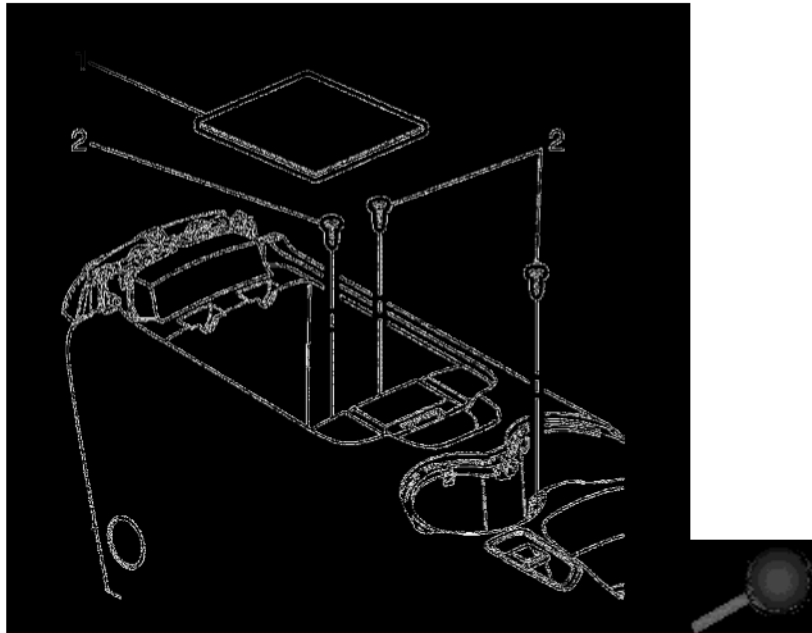
Callout	Component Name
1	Front Floor Console Extension Panel - Left Procedure 1. Move the front seat rearward to access the retainers at the rear of the panel. 2. Use a flat bladed plastic trim tool to aid in the removal of the panel from the front floor console assembly.



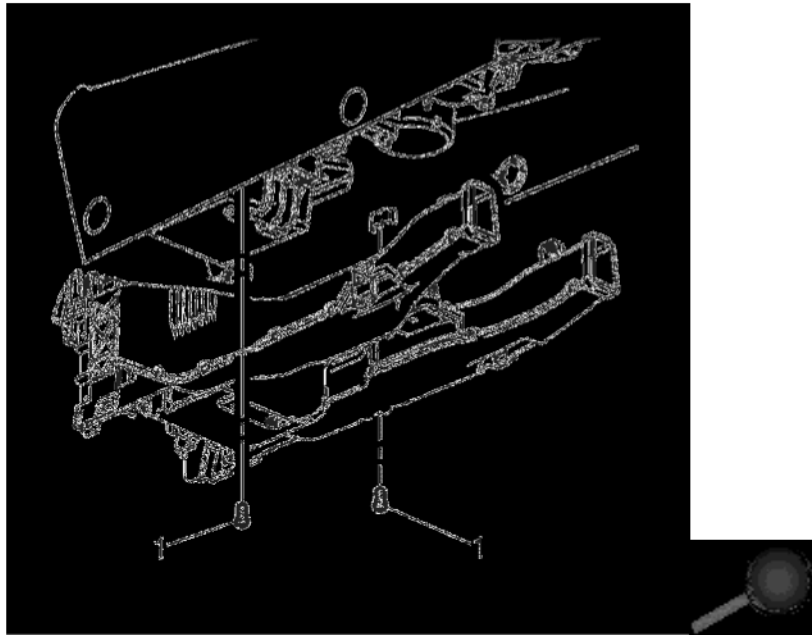
Front Floor Console Reinforcement Replacement

Removal Procedure

1. Remove the front floor console. Refer to [Front Floor Console Replacement](#).
2. Remove the front floor console cup holder liner. Refer to [Front Floor Console Cup Holder Liner Replacement](#).

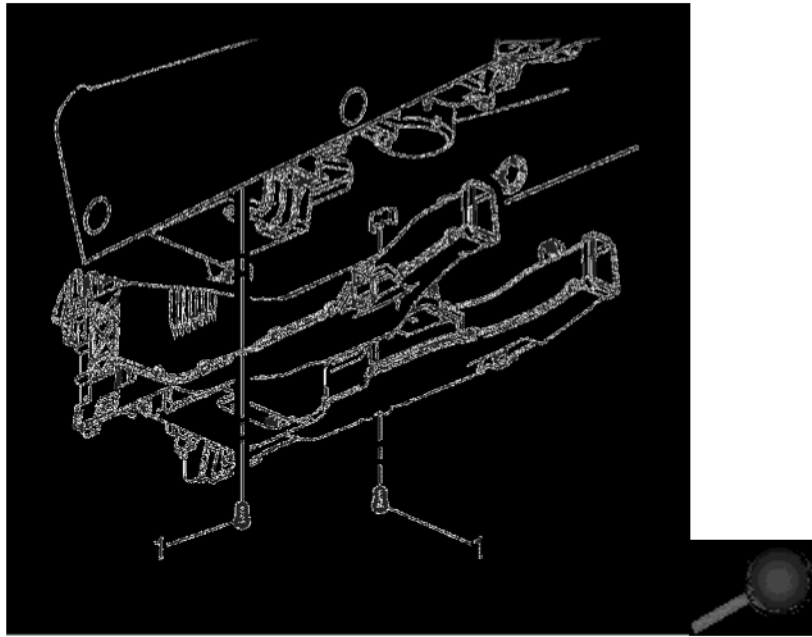


3. Remove the front floor console disc/tape storage tray (1).
4. Remove the bolts (2) securing the front floor console reinforcement to the front floor console assemble.



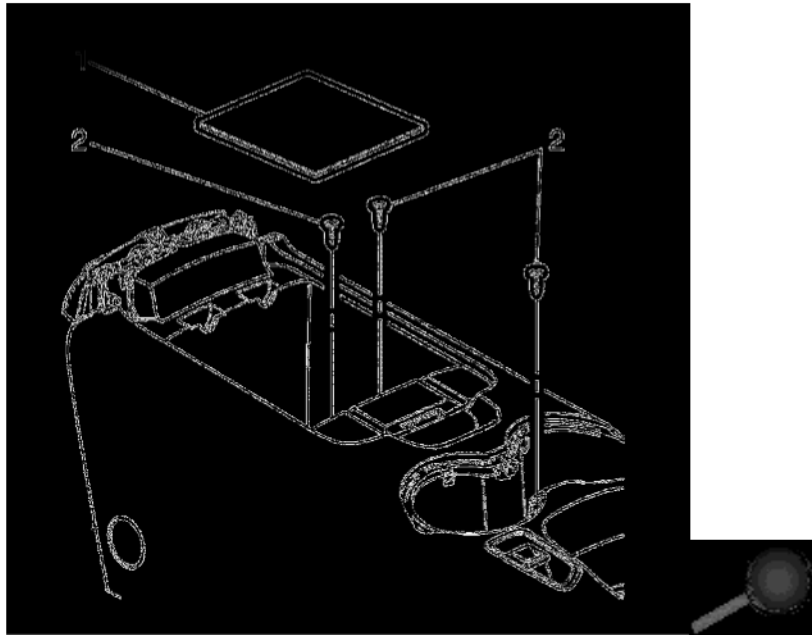
5. Remove the bolts (1) securing the front floor console reinforcement to the front floor console assemble.

[Installation Procedure](#)



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

1. Install the bolts (1) securing the front floor console reinforcement to the front floor console assembly and tighten to **2 N·m (18 lb in)**.



2. Install the bolts (2) securing the front floor console reinforcement to the front floor console assemble and tighten to **2 N•m (18 lb in)**.
3. Install the front floor console disc/tape storage tray (1).
4. Install the front floor console cup holder liner. Refer to [Front Floor Console Cup Holder Liner Replacement](#).
5. Install the front floor console. Refer to [Front Floor Console Replacement](#).

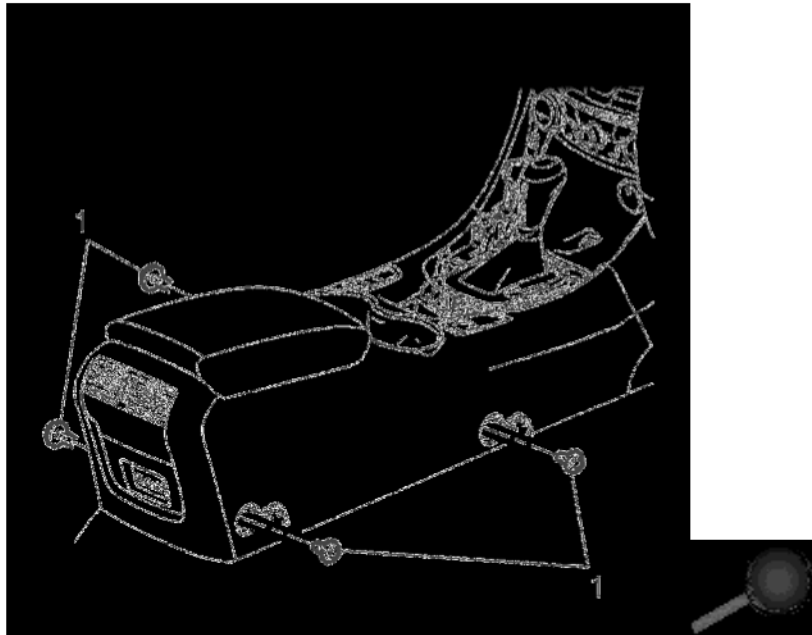
Front Floor Console Replacement

Removal Procedure

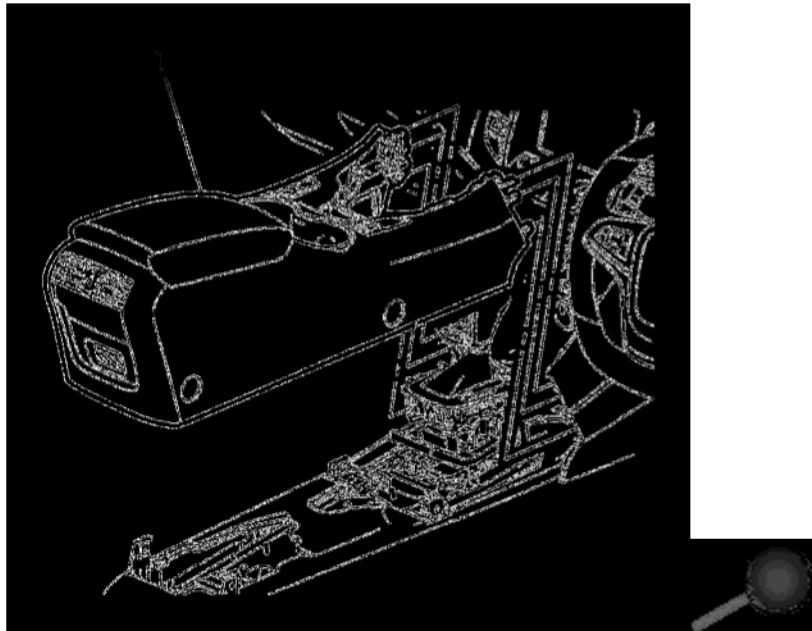
1. Remove the front floor console front cover. Refer to [Front Floor Console Front Cover Replacement](#).



2. Remove the bolts (1) securing the front floor console to the instrument panel assemble.

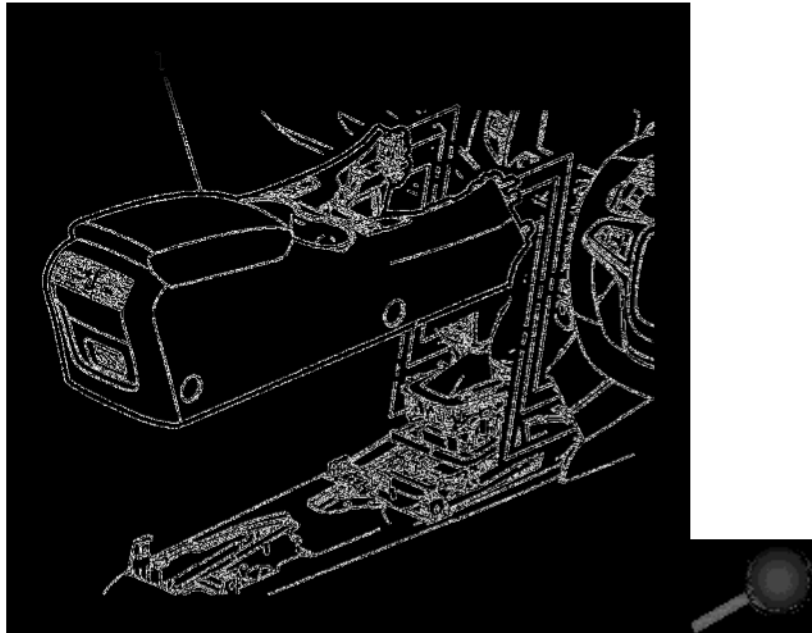


3. Use a suitable tool to open the covers to access the bolts.
4. Remove the bolts (1) securing the front floor console to the floor.

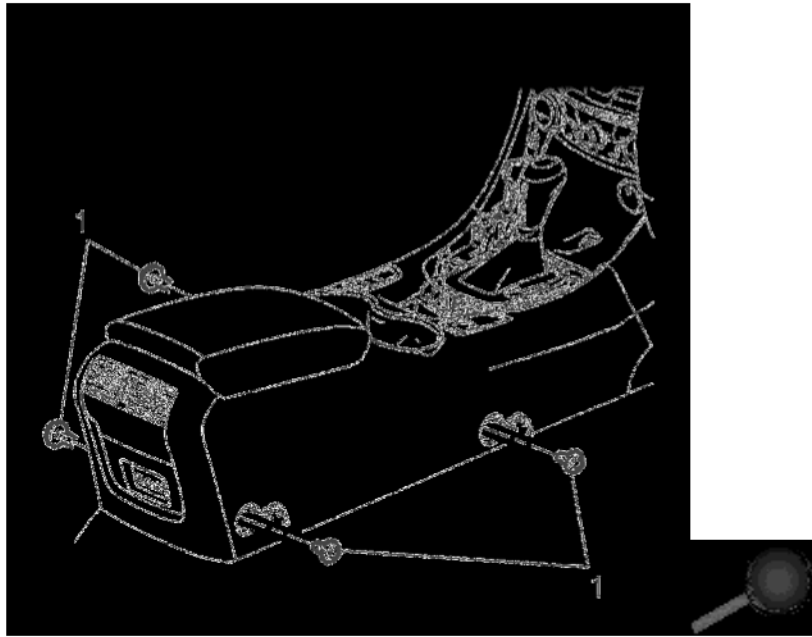


5. Use a flat bladed plastic trim tool in order to release the retainers securing the front floor console assembly (1) to the instrument panel assembly.
6. Disconnect the electrical connections.
7. With the aid of an assistant lift the floor console (1) rearward and upward away from the instrument panel assembly.
8. Transfer components as necessary.

Installation Procedure



1. With the aid of an assistant, load the floor console (1) to the instrument panel assembly.
2. Connect the electrical connections.



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

3. Install the bolts (1) securing the front floor console to the floor and tighten to **7 N·m (62 lb in)**.

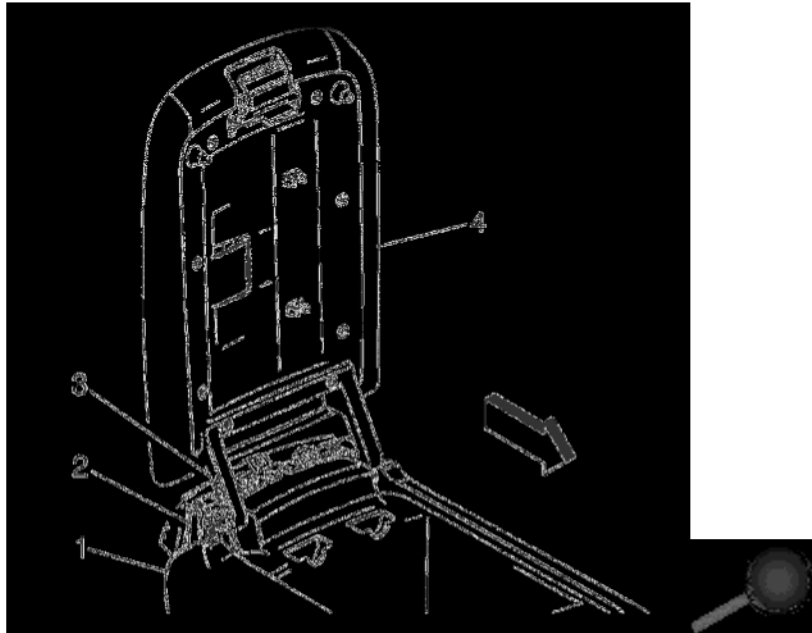


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Front Floor Console Armrest Replacement

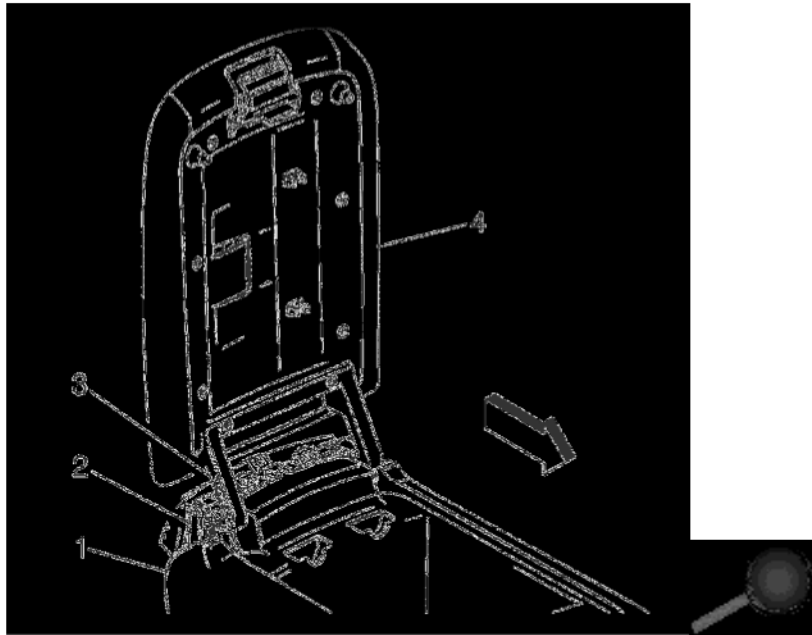
Removal Procedure

1. Remove the front floor console rear trim panel. Refer to [Front Floor Console Rear Trim Panel Replacement](#).
2. Open the armrest assembly to 100°.



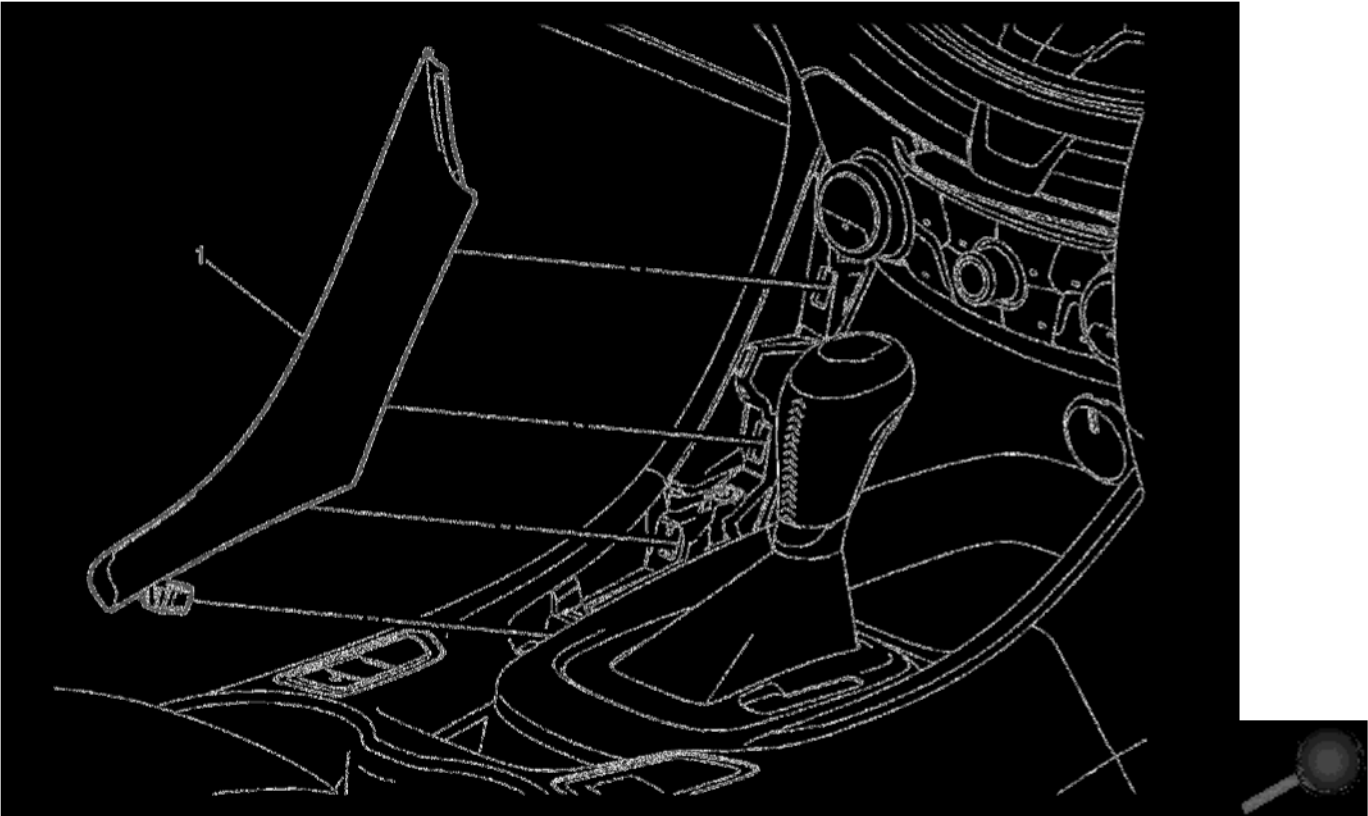
3. Using a suitable tool spread the centre console retaining lugs (2) away from the armrest assembly arms (3) and remove the armrest assembly (4) from the centre console (1).

Installation Procedure



1. Align the armrest assembly (4) with centre console assembly (1).
2. Install the armrest assembly arms (3) by firmly inserting it into the centre console retaining lugs (2) listen for an audible click to confirm fitting.
3. Close the armrest assembly (4).
4. Install the front floor console rear trim panel. Refer to [Front Floor Console Rear Trim Panel Replacement](#).

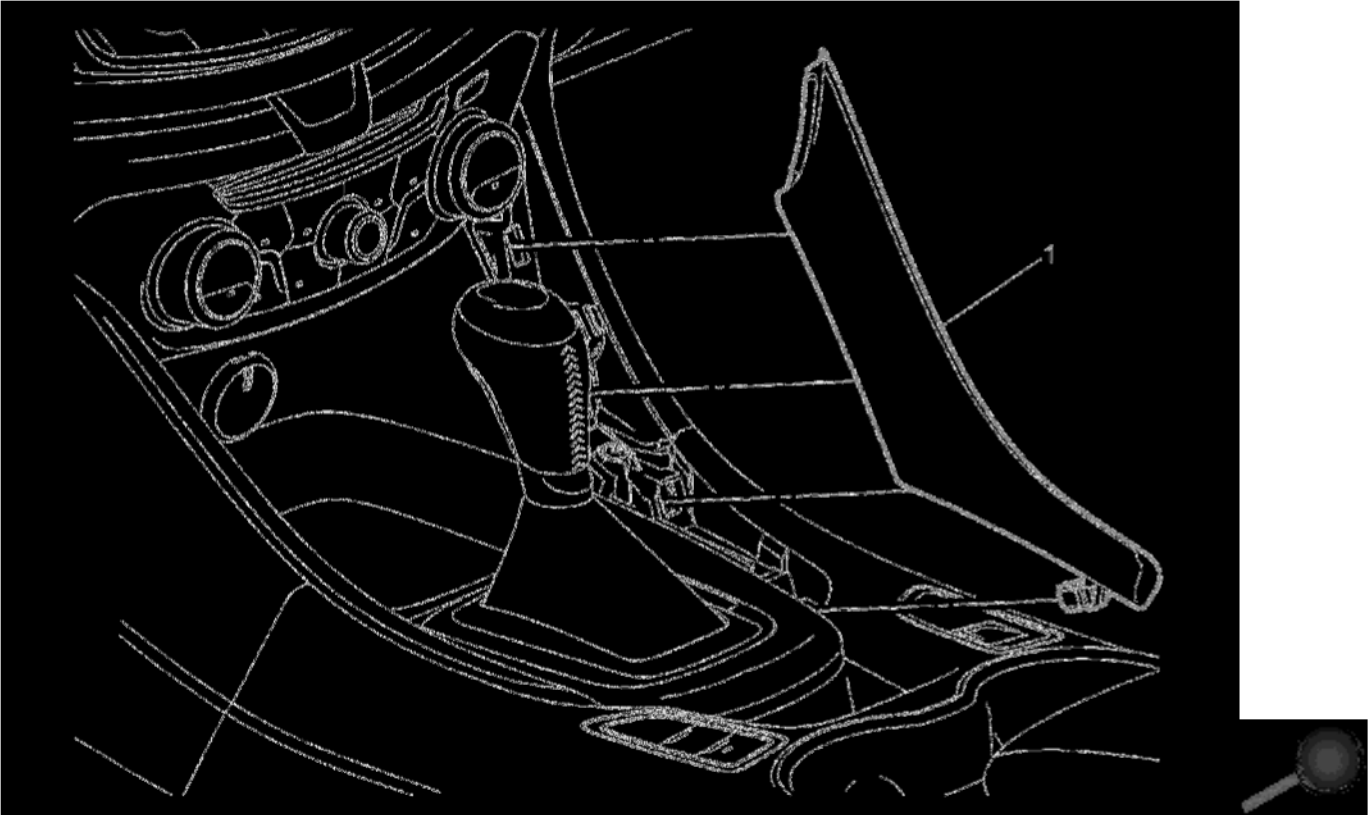
Front Floor Console Applique Replacement (Left Side)



Front Floor Console Applique Replacement

Callout	Component Name
1	Front Floor Console Applique - Left Side Procedure © 2014 General Motors. All rights reserved. Use a flat bladed plastic trim tool in order to release the retainers securing the applique to the front floor console assembly.

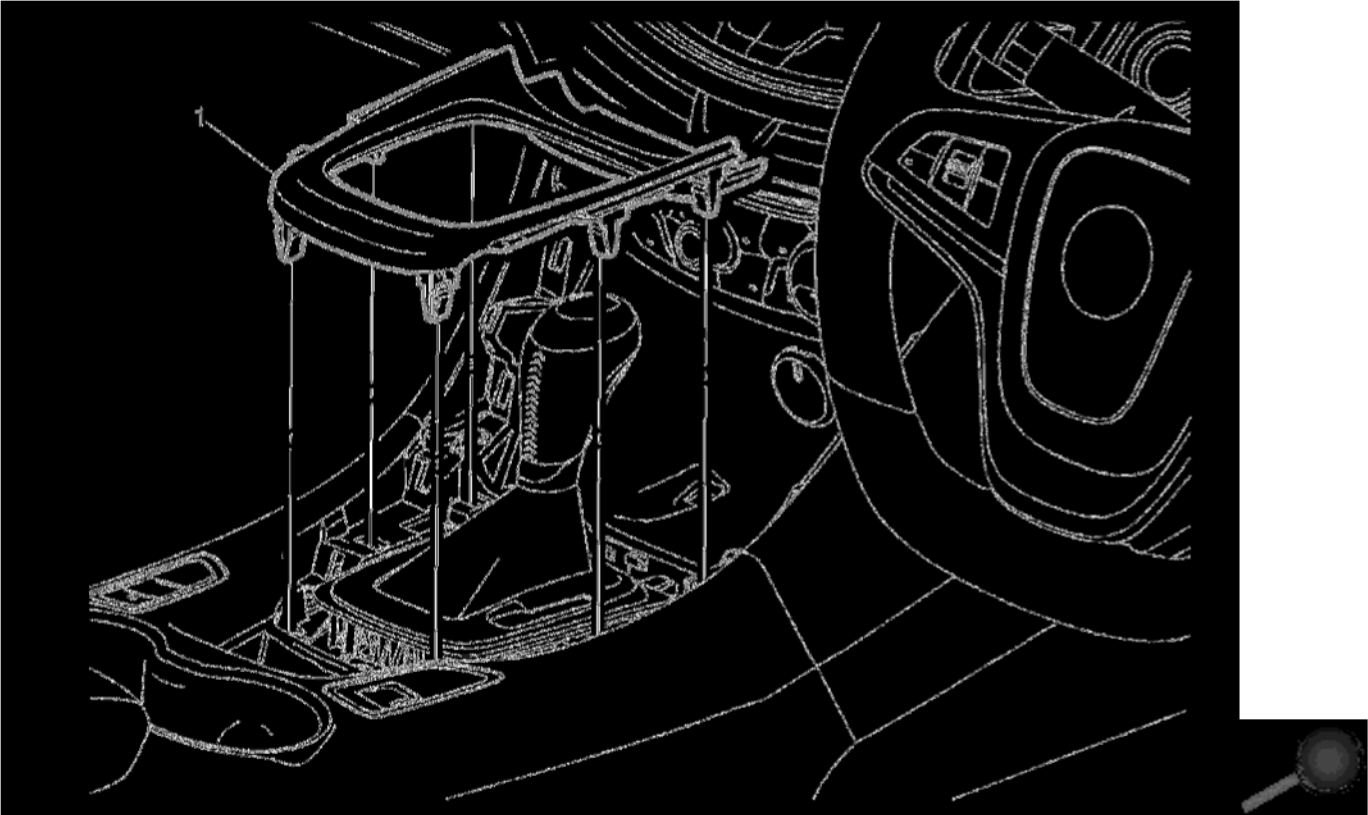
Front Floor Console Applique Replacement (Right Side)



Front Floor Console Applique Replacement

Callout	Component Name
1	Front Floor Console Applique - Right Side Procedure © 2014 General Motors. All rights reserved. Use a flat bladed plastic trim tool in order to release the retainers securing the applique to the front floor console assembly.

Front Floor Console Front Cover Replacement (Automatic)



Front Floor Console Front Cover Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the left and right front floor console applique. Refer to Front Floor Console Applique Replacement .	
2. Remove the front floor console compartment liner. Refer to Front Floor Console Compartment Liner Replacement .	

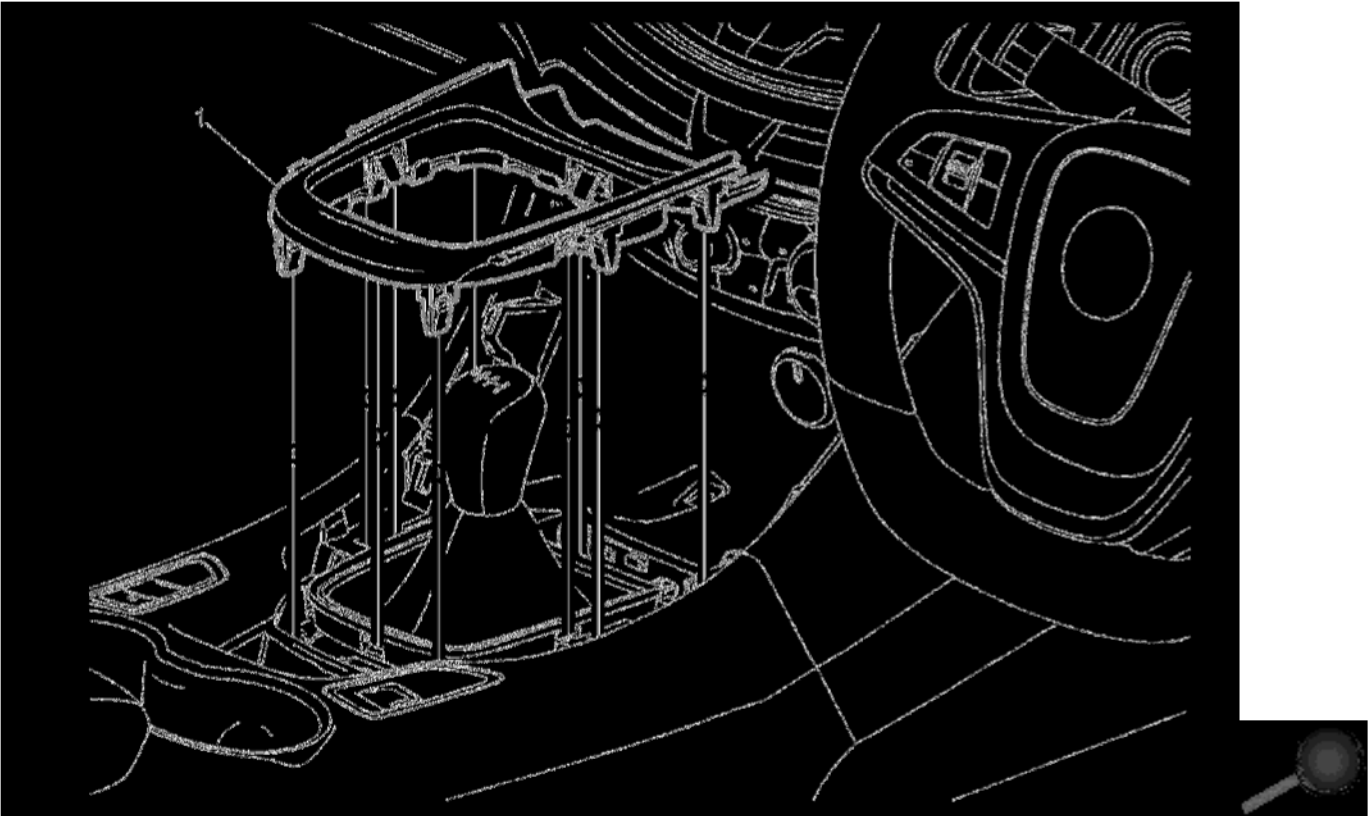
1

Front Floor Console Front Cover – Automatic

Procedure

Use a flat bladed plastic trim tool in order to release the retainers securing the cover to the front floor console assembly.

Front Floor Console Front Cover Replacement (Manual)



Front Floor Console Front Cover Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the left and right front floor console applique. Refer to Front Floor Console Applique Replacement .	
2. Remove the front floor console compartment liner. Refer to Front Floor Console Compartment Liner Replacement .	

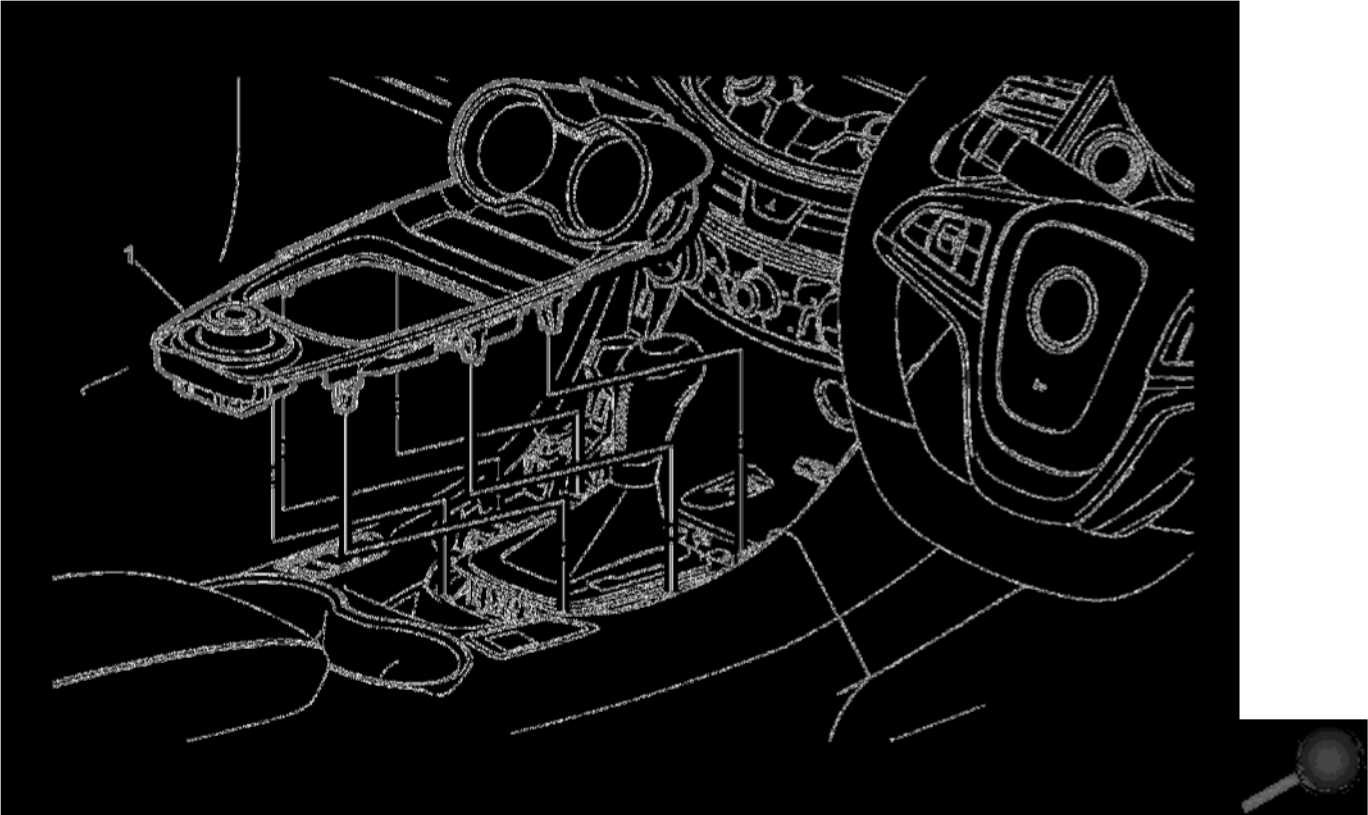
1

Front Floor Console Front Cover – Manual

Procedure

Use a flat bladed plastic trim tool in order to release the retainers securing the cover to the boot and the front floor console assembly.

Front Floor Console Front Cover Replacement (HSV Automatic)



Front Floor Console Front Cover Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the left and right front floor console applique. Refer to Front Floor Console Applique Replacement .	
2. Remove the front floor console compartment liner. Refer to Front Floor Console Compartment Liner Replacement .	

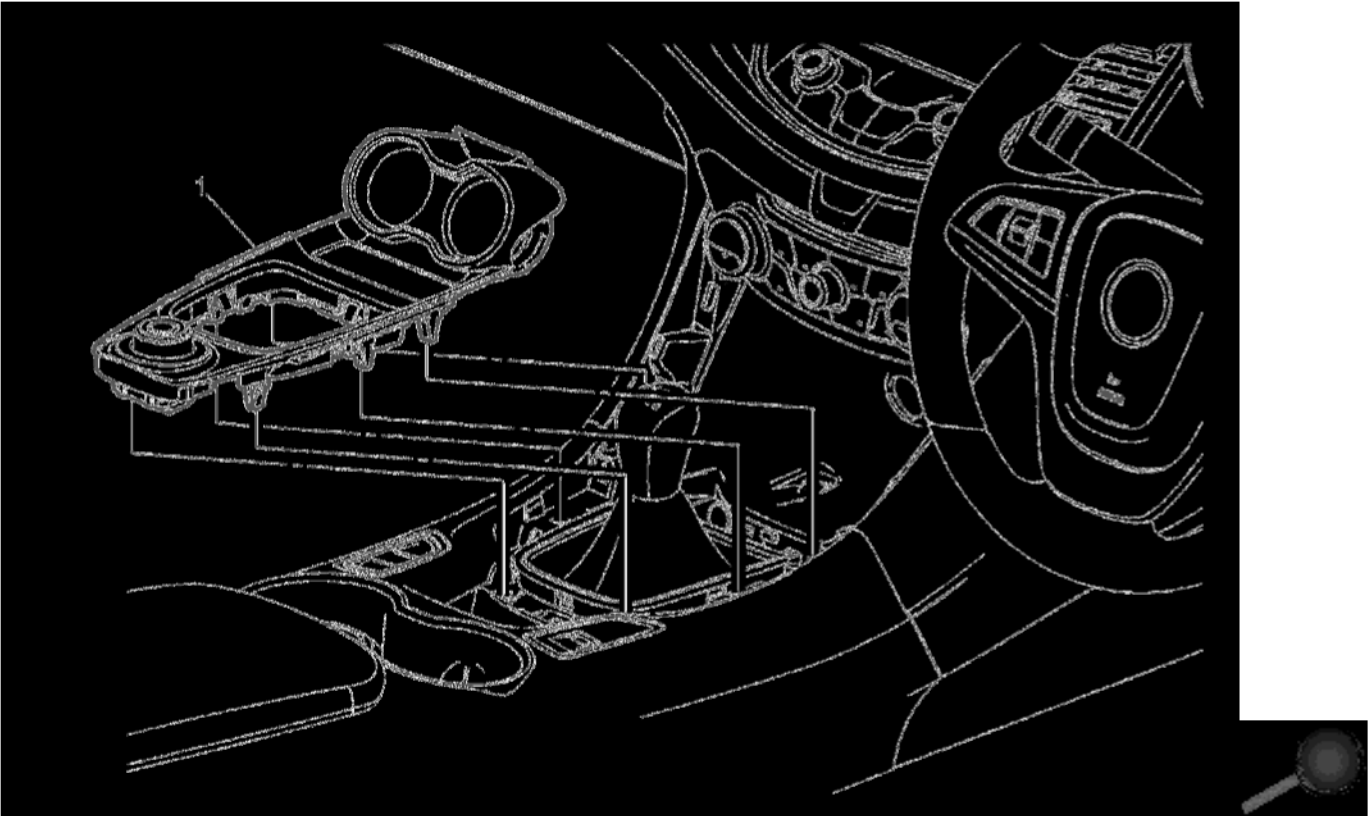
1

Front Floor Console Front Cover – Automatic

Procedure

Use a flat bladed plastic trim tool in order to release the retainers securing the cover to the front floor console assembly.

Front Floor Console Front Cover Replacement (HSV Manual)



Front Floor Console Front Cover Replacement

Callout	Component Name
Preliminary Procedures	
1. Remove the left and right front floor console applique. Refer to Front Floor Console Applique Replacement .	
2. Remove the front floor console compartment liner. Refer to Front Floor Console Compartment Liner Replacement .	

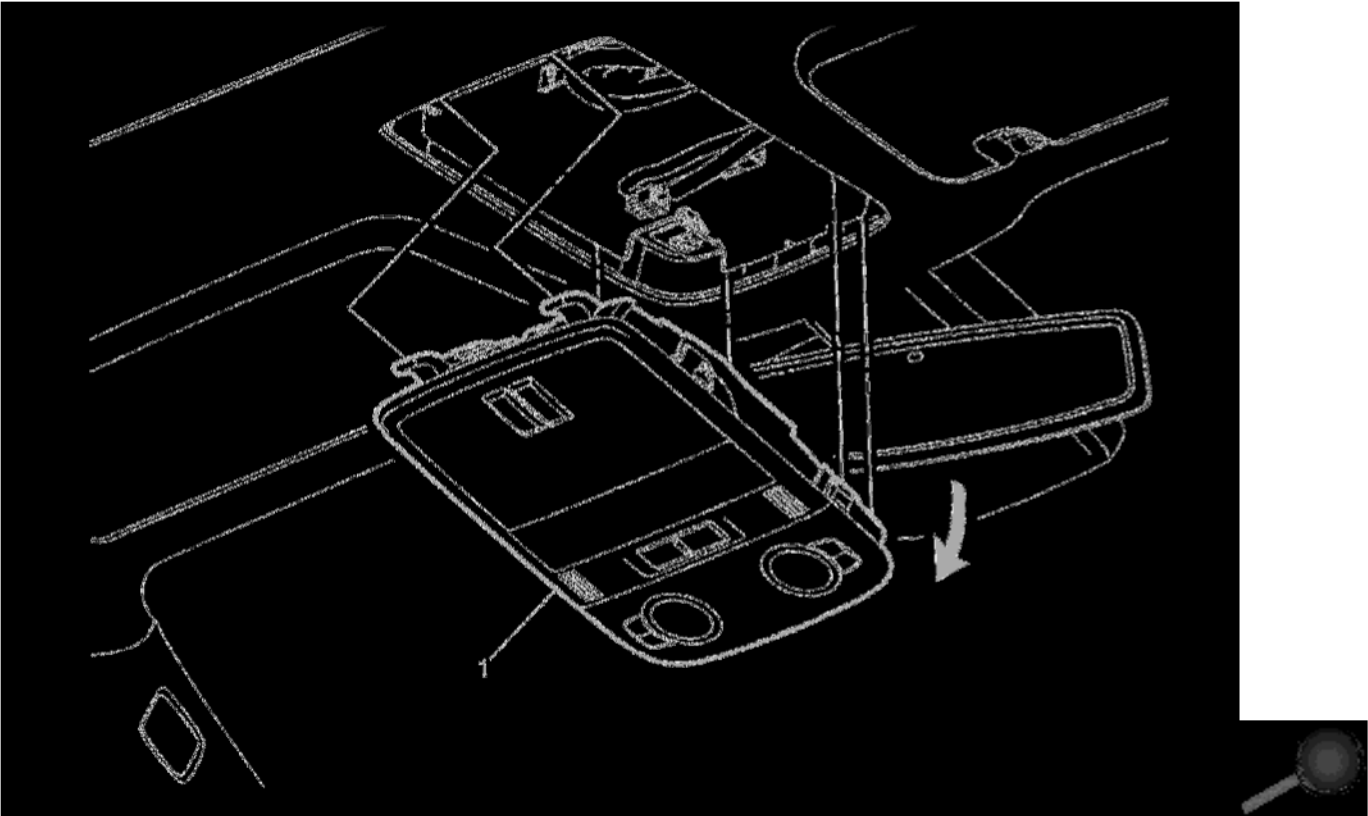
1

Front Floor Console Front Cover – Manual

Procedure

Use a flat bladed plastic trim tool in order to release the retainers securing the cover to the boot and the front floor console assembly.

Roof Console Replacement



Roof Console Replacement

Callout	Component Name
	Roof Console Assembly
	Procedure © 2014 General Motors. All rights reserved. 1. Grasp the front of the right and left sides of the roof console assembly and pull downward using equal force on each side in order to release the two front retainer clips securing the roof console assembly to the headlining

1

assembly.

2. Pivot the assembly rearward to disengage the two rear retainer clips.
3. Disconnect the electrical connections.
4. When replacing the roof console assembly, transfer all necessary components.

Fastener Tightening Specifications

Fastener Tightening Specifications

Application	Specification	
	Metric	English
Front Floor Console Fastener	1 N•m	9 lb in
Front Floor Console Reinforcement Fastener	2 N•m	18 lb in
Front Floor Console to the Front Floor Tunnel Panel Fastener	7 N•m	62 lb in
Front Floor Console to the Instrument Panel Assembly Fastener	2 N•m	18 lb in
Instrument Panel Assembly Fastener	2.5 N•m	22 lb in
Instrument Panel Compartment Door Dampener Fastener	1.5 N•m	13 lb in
Instrument Panel Compartment Door Opening Frame Fastener	2.5 N•m	22 lb in
Instrument Panel Driver Knee Bolster Energy Absorber Fastener	2.5 N•m	22 lb in
Instrument Panel Inflatable Restraint Module Airbag Inflatable Fastener	9 N•m	80 lb in
Instrument Panel Tie Bar Assembly to the Brake Pedal Assembly Fastener	22 N•m	16 lb ft
Instrument Panel Tie Bar Assembly to the Front Floor Tunnel Panel Fastener	25 N•m	18 lb ft
Instrument Panel Tie Bar Assembly to the HVAC Module Fastener	9 N•m	80 lb in

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Instrument Panel Tie Bar Assembly to the Vehicle Body Fastener	25 N•m	18 lb ft
Instrument Panel Tie Bar Assembly to the Windshield Frame and Plenum Panel Fastener	22 N•m	16 lb ft
Instrument Panel Upper Trim Panel Fastener	2.5 N•m	22 lb in