

Front Fog Lamp Package Installation

[Installation Instructions Part Number](#)

23206778

Kit Contents

Qty	Description
1	Left Fog Lamp Assembly
1	Right Fog Lamp Assembly
1	Left Fog Lamp Bezel
1	Right Fog Lamp Bezel
1	Steering Column Switch
6	Tie Straps
1	Fog Lamp Harness
1	Instruction Sheet

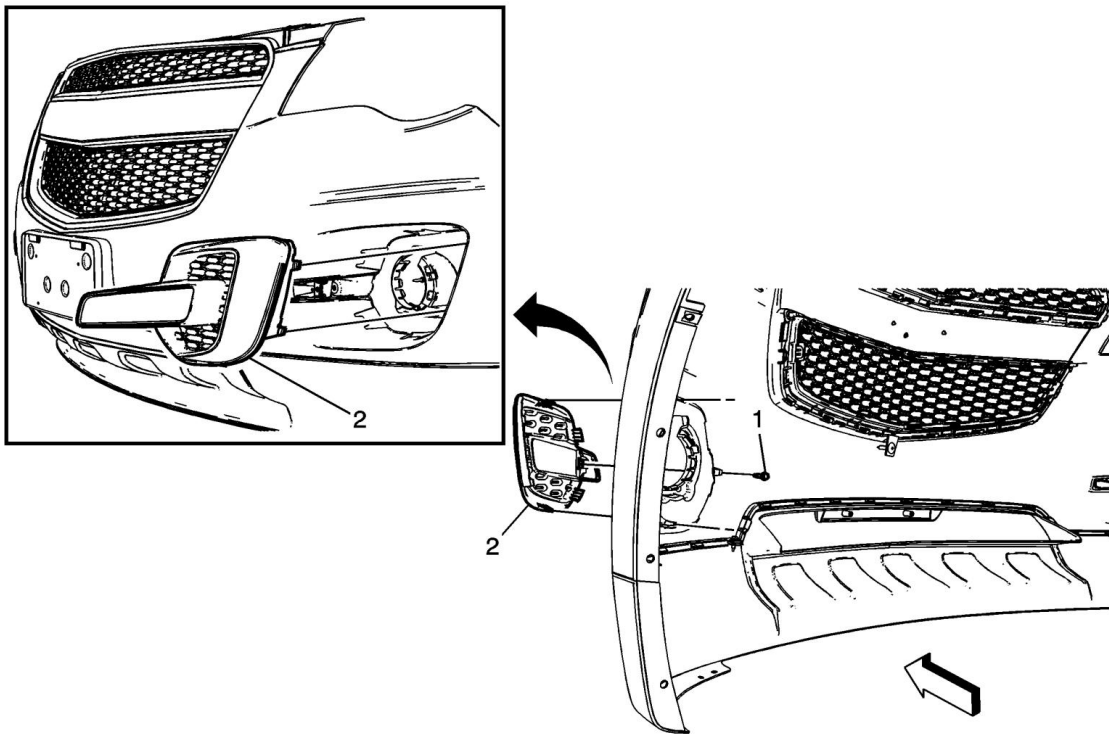
[Preliminary Procedure](#)

Note: Please review the entire procedure before trying to perform it.

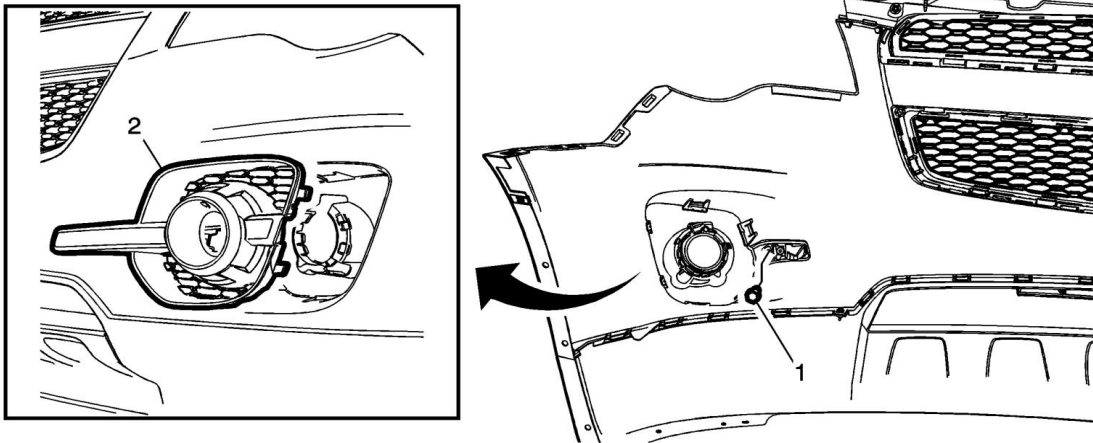
1. Raise and support the vehicle. Refer to [Lifting and Jacking the Vehicle](#).
2. Remove the left and right front wheelhouse liners. Refer to [Front Wheelhouse Liner Replacement](#).

Bezel Replacement

1. Remove the front fascia. Refer to [Front Bumper Fascia Replacement](#).



2. Remove the bolt (1) securing the left and right front lower outer grill panels (2). Retain bolt for future use.
3. Release the six outer grille assembly tabs from the left and right outer lower grille panels (2) and remove from front fascia.



4. Install the left and right fog lamp bezels (2) to the front fascia by engaging the six retaining tabs.

Note: Left and right bezels are not interchangeable.

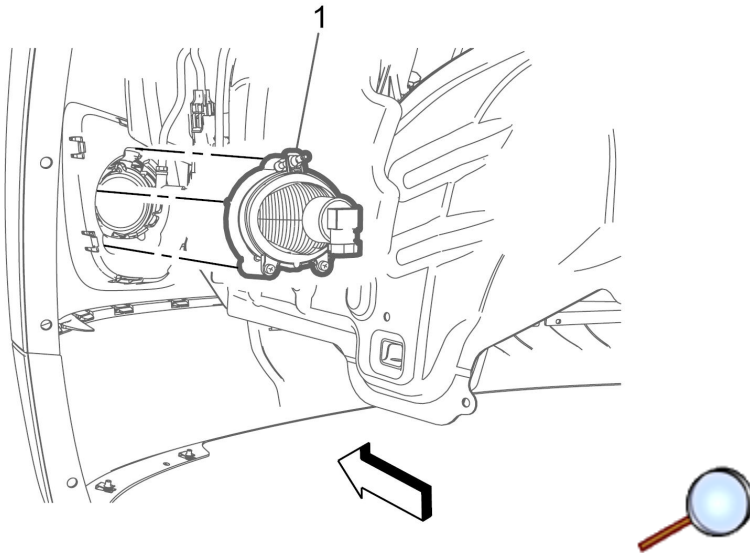
Caution: Use the correct fastener in the correct location. Replacement fasteners must be the correct part number for that application. Fasteners requiring replacement or fasteners requiring the use of thread locking compound or sealant are identified in the service procedure. Do not use paints, lubricants, or corrosion inhibitors on fasteners or fastener joint surfaces unless specified. These coatings affect fastener

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torque and joint clamping force and may damage the fastener. Use the correct tightening sequence and specifications when installing fasteners in order to avoid damage to parts and systems.

- Using the previously retained bolts (1), secure the left and right fog lamp bezels using the closest hole towards bezel.
Tighten
Tighten the bolts to 2.5 N.m (22 lb in).

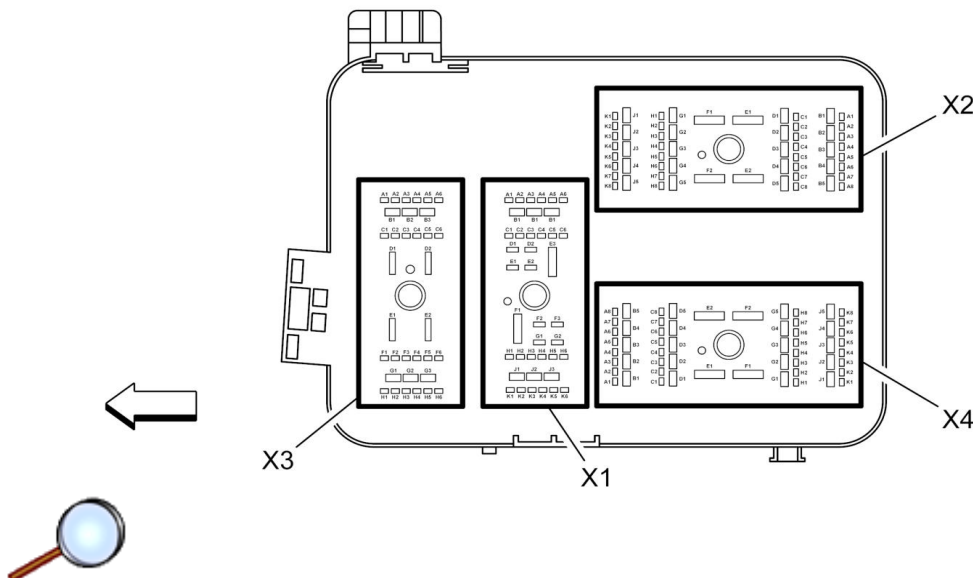
Fog Lamp Install



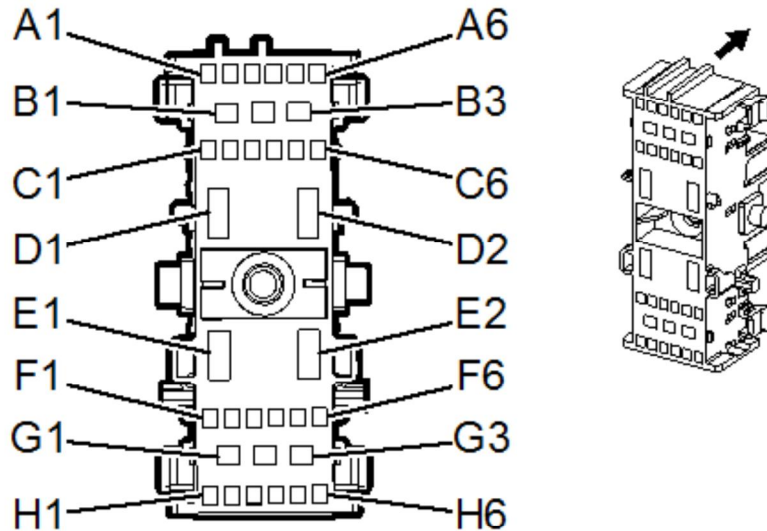
Snap the left and right fog lamp assemblies (1) to the front bumper fascia.

Harness Install

- Disconnect negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).
- Remove the underhood electrical center (UEC), to access one of the connectors below it. Refer to [Accessory Wiring Junction Block Replacement](#).
- Route the wire harness jumper lone terminal up from the left wheelhouse area, starting forward of the washer bottle filler neck. Follow the routing of the front lighting harness to the UEC.

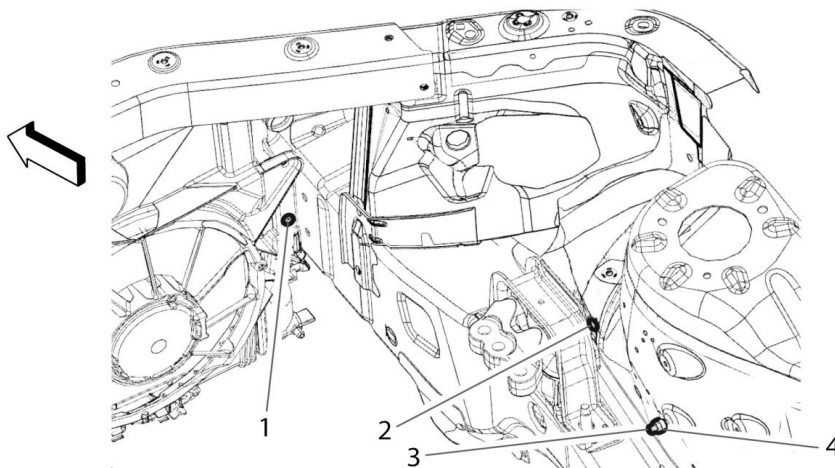


4. Locate the 43-way connector X3, the smaller black connector, with a red CPA towards the front of the UEC.



Note: Graphic shown is back view of connector X3.

5. Remove the red CPA. Insert the bare terminal in cavity C5 of connector X3. Reinstall the red CPA.
6. Position the connector back in the base of the UEC.
7. Reinstall the UEC. Refer to [Accessory Wiring Junction Block Replacement](#).
8. Route the harness in the left wheelwell forward to the left fog lamp.
9. Continue to route harness below radiator to the right fog lamp.
10. Remove the air cleaner assembly. Refer to [Air Cleaner Assembly Replacement](#) or [Air Cleaner Assembly Replacement](#).



11. Route the ground circuit up along the right side of the radiator, outboard of the radiator hose, outboard of the right engine mount, to the ground stud on the inboard side of the right shock tower.
12. Secure the wiring with the attached x-mas tree clips to the right side of the radiator (1), and to the shock tower (2), just outboard of the right engine mount.
13. Remove the ground nut (4) from the inboard side of the right shock tower.
14. Attach the fog lamp ground eyelet, on top of the existing ground circuit (3), install the fastener and torque to 10 N.m.
15. Reinstall the air cleaner assembly. Refer to [Air Cleaner Assembly Replacement](#) or [Air Cleaner Assembly Replacement](#).
16. Use the included tie straps, secure the wiring near each fog lamp and across the base of the radiator. Secure the wiring so that snow and ice accumulation will not pull the wires down. Cut off excess tie strap tails.
17. Reinstall front fascia to vehicle and connect electrical connections. Refer to [Front Bumper Fascia Replacement](#).
18. Connect the left fog lamp.
19. Connect the right fog lamp.

Switch Install

1. Remove the steering column shroud. Refer to [Steering Column Shroud Replacement](#).
2. Remove the factory installed turn signal multifunction switch. Refer to [Turn Signal Multifunction Switch Replacement](#).
3. Install the new turn signal multifunction switch with fog lamp control. Refer to [Turn Signal Multifunction Switch Replacement](#).
4. Reinstall the steering column shroud. Refer to [Steering Column Shroud Replacement](#).
5. Connect negative battery cable. Refer to [Battery Negative Cable Disconnection and Connection](#).

Note: The installation of this accessory fog lamp kit requires programming and configuring of the vehicle. This is done with a Service Programming System (SPS-TIS2Web). The installer needs to call the Techline Customer Support Center (1-800-828-6860). The Techline Customer Support Center will provide programming instructions and changes to the vehicles calibration settings. You must provide the vehicle identification number (VIN) of the vehicle to be programmed and the authorization code when calling TCSC.

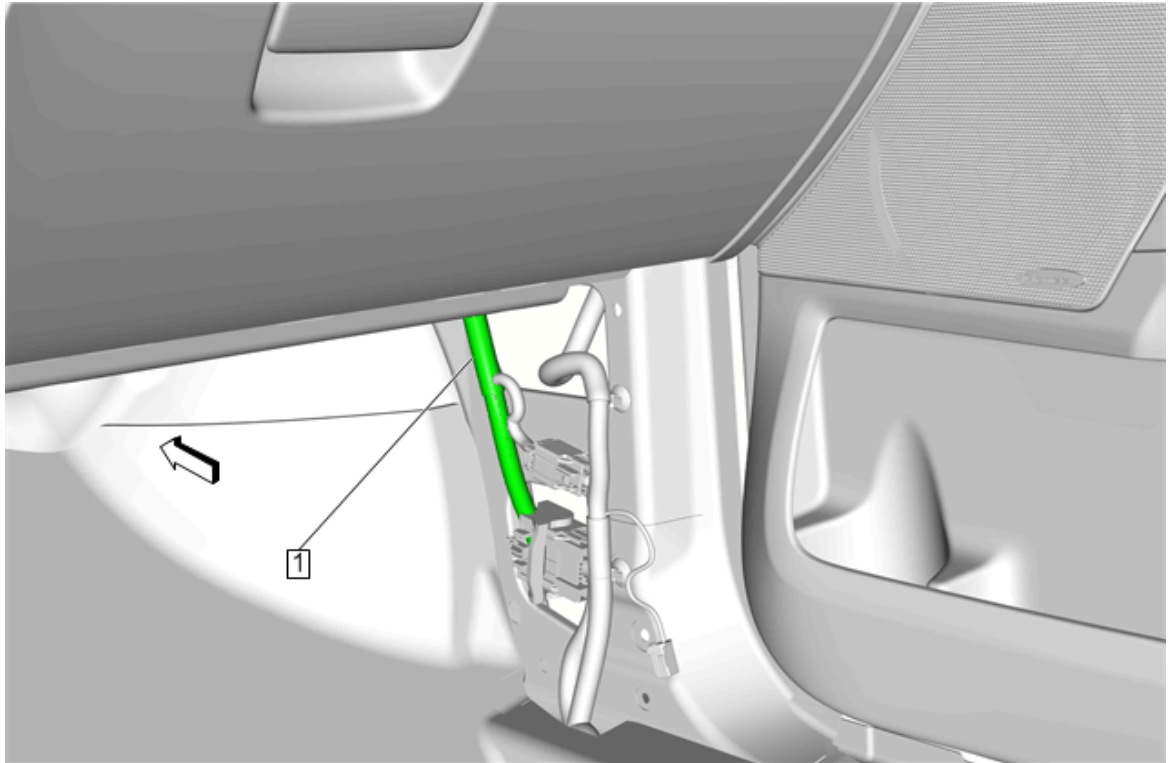
6. Using the Scan Tool with a MDI, and (SPS-TIS2Web), update the body control module (BCM) calibration file and the instrument panel cluster (IPC) to activate the front fog lamps and the front fog lamp telltales
7. Test the function of the front fog lamps and the front fog lamp telltale. Fog lamps work with park lamps and low beams and not with high beams.
8. Reinstall any previously removed components.
9. Aim the fog lamps. Refer to [Fog Lamp Aiming](#).

Canadian Vehicle Installation Instructions

Note:

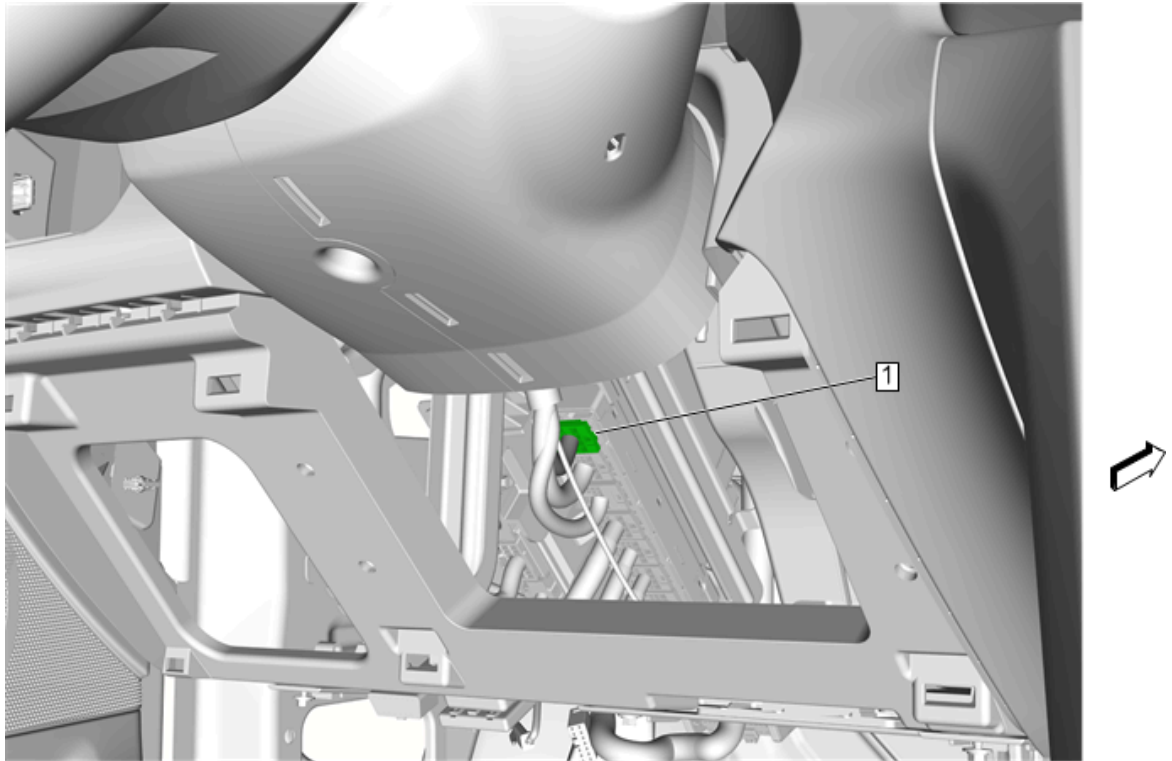
- Some vehicles may be missing a circuit between the head lamp switch and the BCM. It affects only about 10% of the Canadian vehicles. If the lamps work after installation and calibration, you are all set with 90% of the vehicles. The remaining 10% will require the additional steps to be made. The wire that is missing from the production I/P wiring is included in the Canadian Fog Lamp Kit.
- Read all instructions before performing procedure.
- Install Accessory Fog Lamp Kit P/N 23258399 per Kit Installation Instructions.

- Ensure Accessory Fog Lamp Kit is functioning as intended.
- If Accessory Fog Lamp Kit is not functioning as intended, probable cause is missing circuit in I/P Harness.
- Checking to see if circuit is missing in one of two ways:

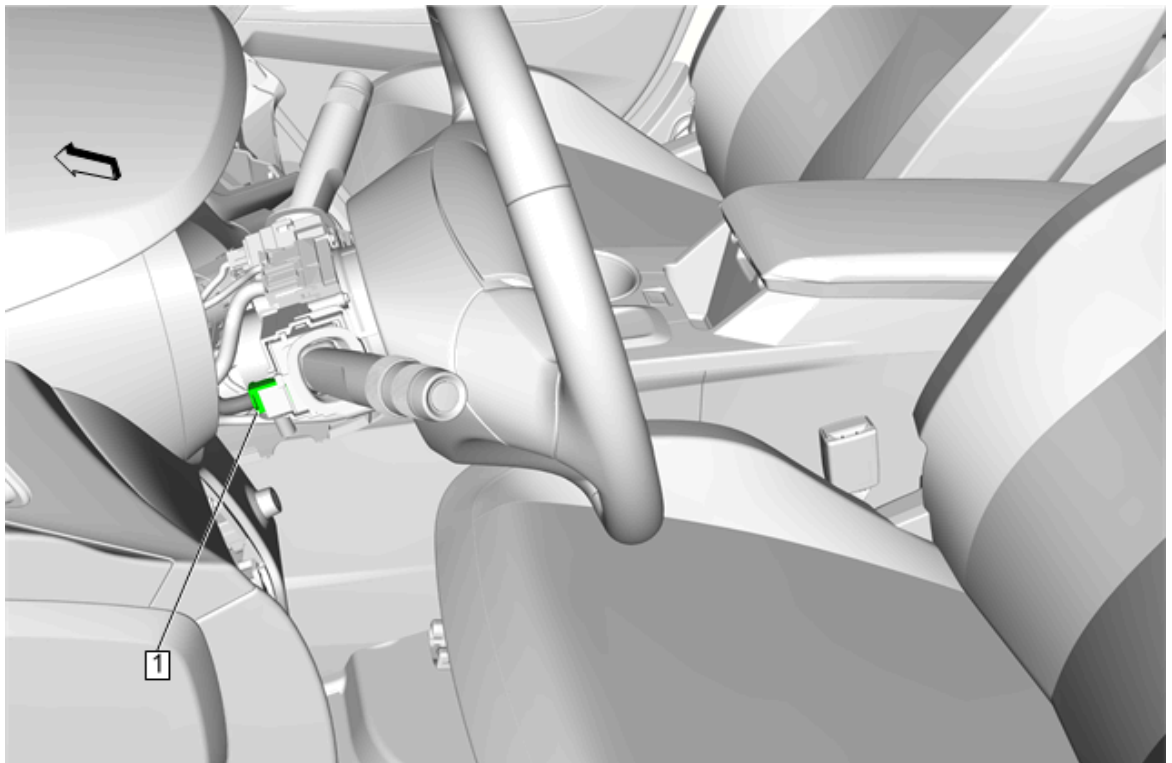


Note: I/P harness part number tag is located between ground 207 and body inline connector.

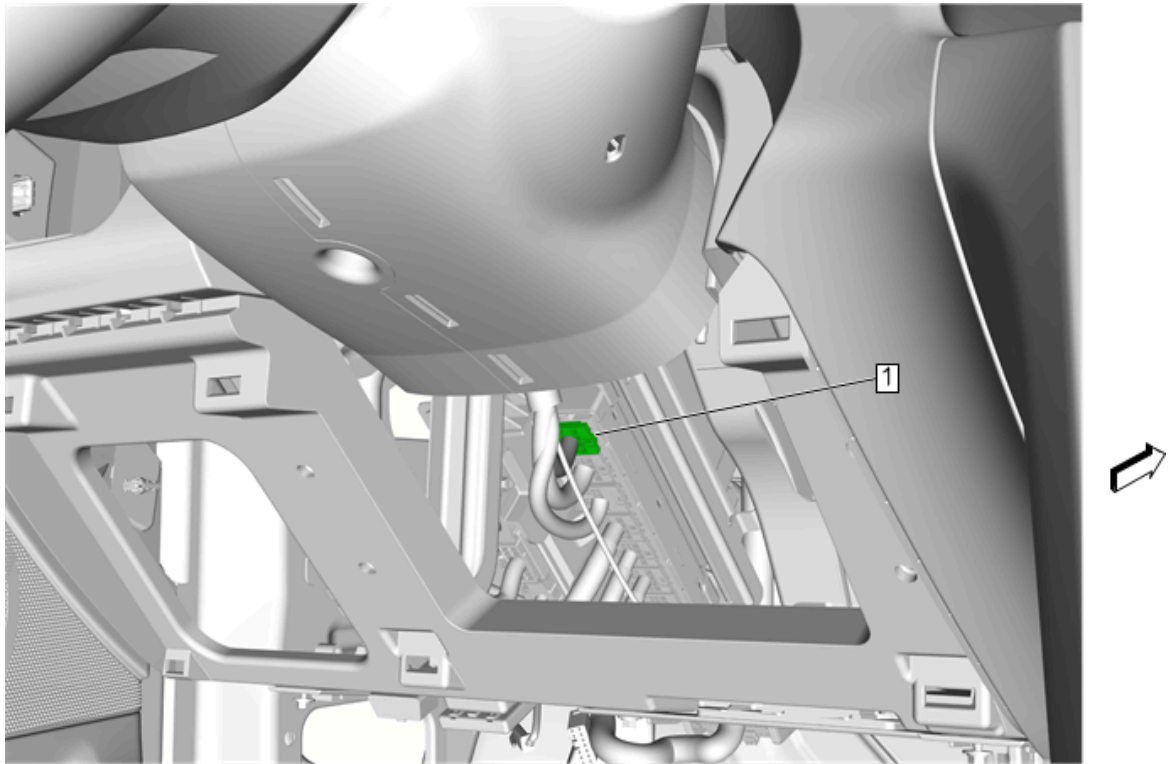
1. Visually inspect I/P Harness part number tag on Harness (1) per below.
 - 2014 MY Harness Part Numbers 23164353, 23164354 & 23181681 requires added circuit.
 - 2015 MY Harness Part Numbers 23235768, 23235769 & 23235770 requires added circuit.



2. Visually inspect the I/P BCM Connector (1) P/N 19151262 Cavity 14.
3. If circuit 192 is missing, install the included wire.
4. The terminals are exactly the same on both ends of the wire so it doesn't matter which way the wire is installed.



5. Install one end of loose wire into I/P Harness Multifunction Stalk Switch Connector X1 (1) P/N 19167197 Cavity 1.



6. Install other end of loose circuit into I/P Harness BCM Connector X1 (1) P/N 19151262 Cavity 14.
7. Test Accessory Fog Lamps for functional integrity.