



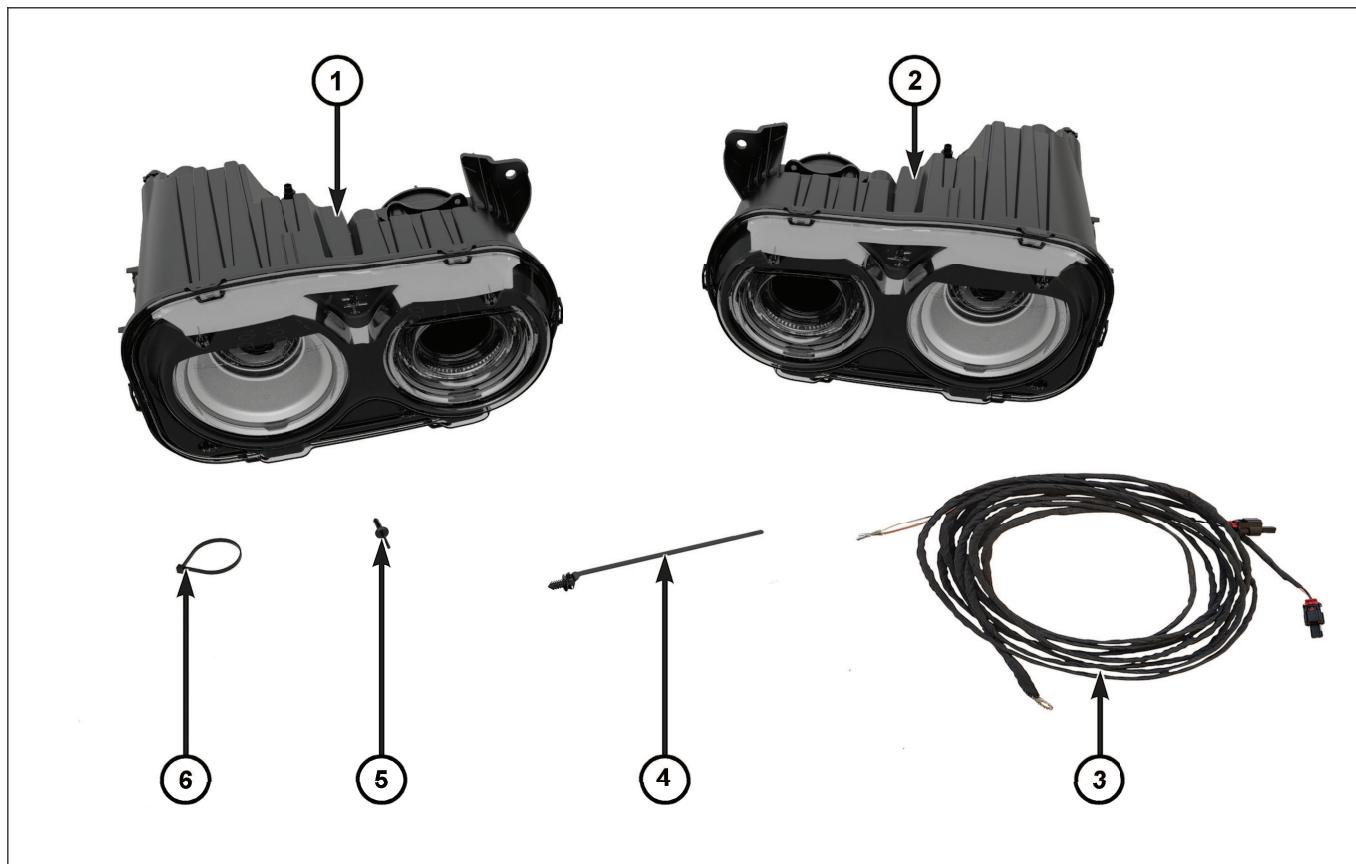
Direct Connection Performance Part

## AIR-CATCHER HEADLAMPS

PART NUMBER: 77072548AC

2017+ CHALLENGER

Note: For vehicles already equipped with HID headlamps



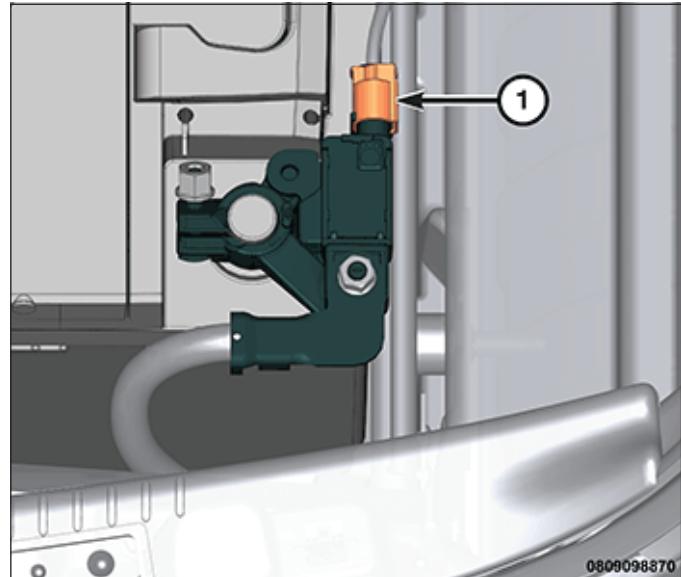
Item	Description	Part Number	Quantity
1	RF Headlamp	68384439AC	1
2	LF Headlamp	68384438AB	1
3	Air Catcher Harness	68503480AA	1
4	Cable Tie w/ Fur Tree	68271635AA	4
5	Rivet	06500898	12
6	8" Cable Ties	04641780	36

**NOTE: Some items may be shipped with more than the quantity needed to perform the procedure.**

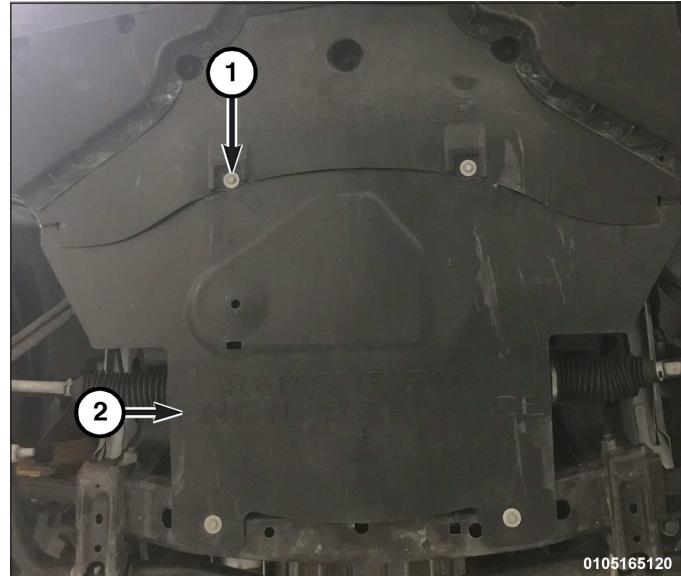
PLEASE READ ALL INSTRUCTIONS PRIOR TO INSTALLATION.  
FOR ASSISTANCE CONTACT DIRECT CONNECTION TECH HOTLINE 1-800-998-1110

## FRONT FASCIA REMOVAL

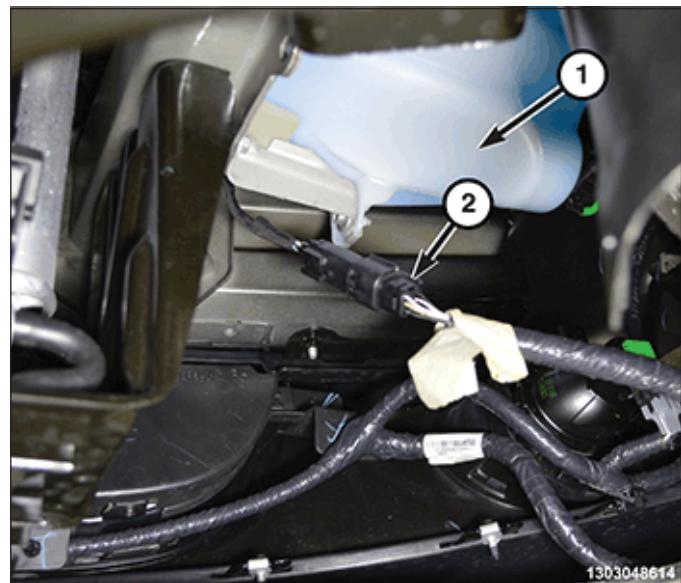
1. Raise and support the vehicle.
2. Disconnect and isolate the negative battery cable. If equipped with an Intelligent Battery Sensor (IBS), disconnect the IBS connector (1) first before disconnecting the negative battery cable. The IBS sensor is located on the negative battery lug.



3. Remove the fasteners (1) and remove the engine belly pan (2).

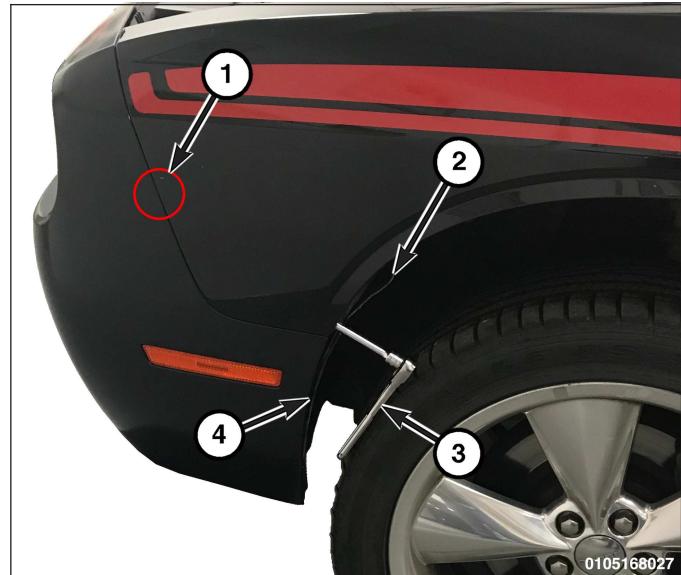


4. Disconnect the fascia wire harness connector (2) located under the washer fluid bottle (1) on the right side of vehicle.



5. Remove the plastic rivets securing the front splash shields (2) to the front fascia.
6. Pull back the splash shield and remove the hidden bolt (4) securing the fascia to the fender.
7. Using a long suitable tool (3), remove the fascia mounting nut (1) recessed in the fender well.

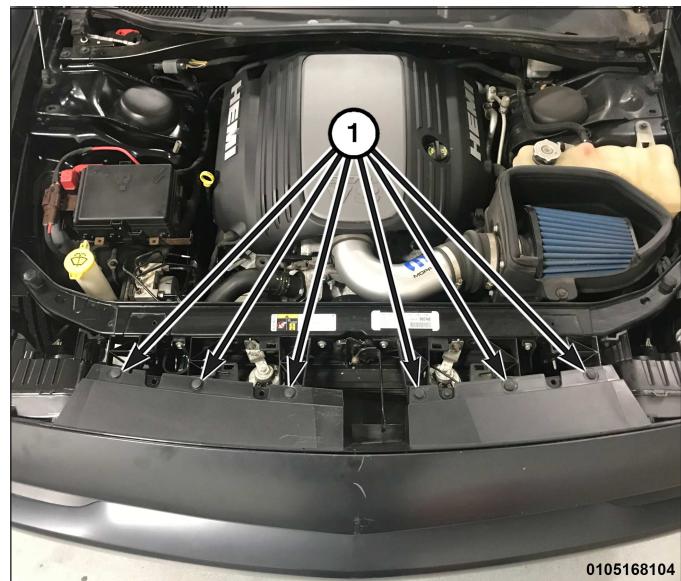
**NOTE: Turn the wheels accordingly for ease of access.**



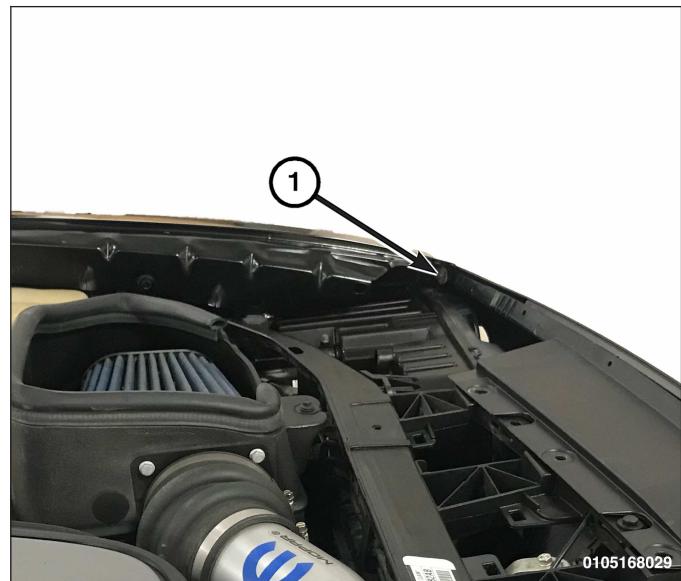
8. Lift out both front fascia upper closeout panels (1).



9. Remove the six push pin fasteners (1) securing the top of the front fascia.



10. Remove the nut (1) securing the fascia to the top of fender on both sides of vehicle.



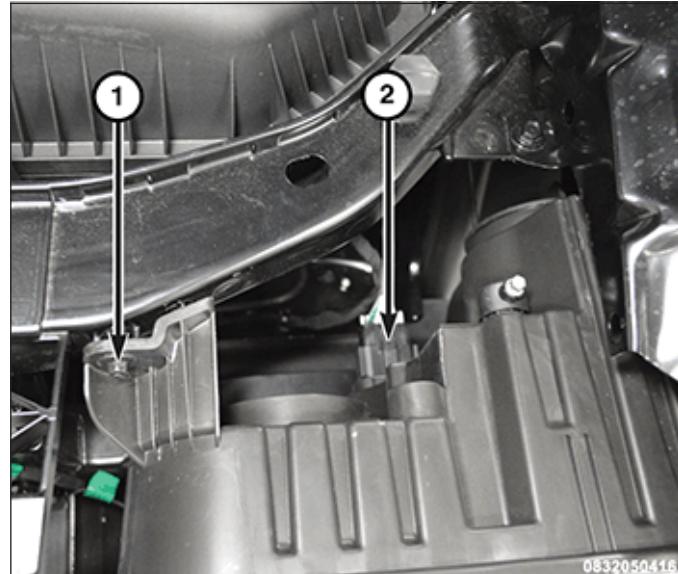
11. Pull outward on the sides of the front fascia to disengage the retaining tabs (2), then pull the fascia forward and remove. Use caution when removing the fascia so the fascia to fender mounting stud (1) does not scratch the front fender upon removal.



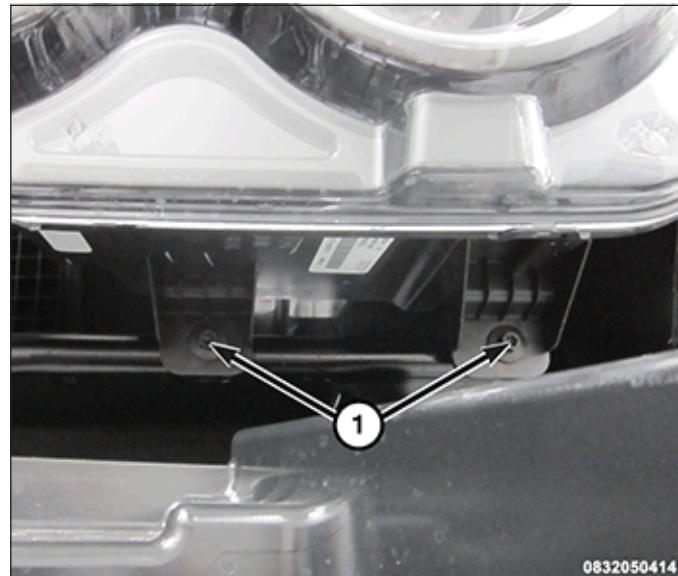
## HEADLAMP REMOVAL

**WARNING!** To avoid serious or fatal injury when working on the High Intensity Discharge (HID) headlamp system, be certain to take the proper precautions. Verify the ignition is off and the negative battery cable is isolated. There is a risk of fatal injury caused by contact with high voltage used in the HID headlamps. There is a risk of explosion or fire caused by highly flammable materials in the vicinity of damaged HID lighting elements. There is a risk of injury caused by exposure to Ultra Violet (UV) light, a risk of burns caused by high component operating temperatures, a risk of mercury poisoning through glass splinters produced by bursting HID lighting elements. There is also a risk of poisoning caused by inhalation of mercury vapors and by toxic salts and mercury compounds being ingested or coming into contact with the skin. Do not come into contact with parts that are under high voltage. Persons with active electronic implants (e.g. heart pacemakers) must never work on HID headlamps. Wear insulated safety shoes, safety glasses and protective gloves. Remove flammable materials and ensure sufficient ventilation in the working area.

1. Remove the upper screws (1) securing the front lamp units to the mounting bracket of the Front End Module (FEM) support structure.
2. Disconnect the headlamp wire harness connector (2) on the back of the lamp housings.



3. Remove the two lower screws (1) securing the front lamp units.



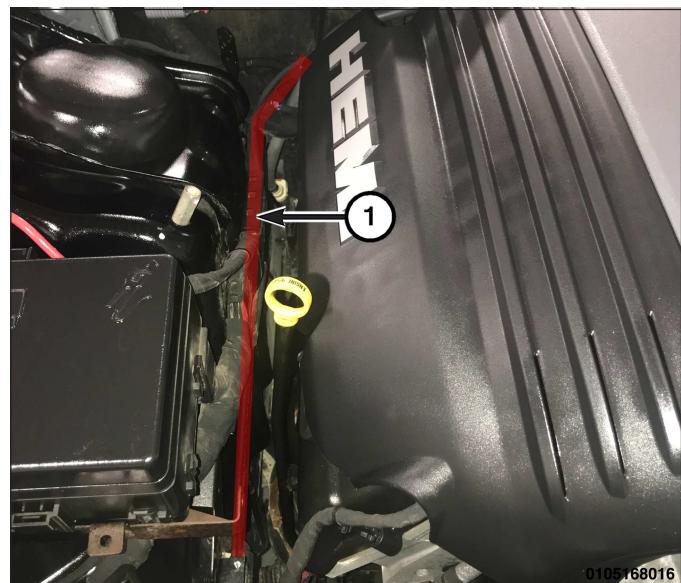
4. Remove the front lamp units from the vehicle.

## AIR CATCHER HEADLAMP HARNESS INSTALLATION

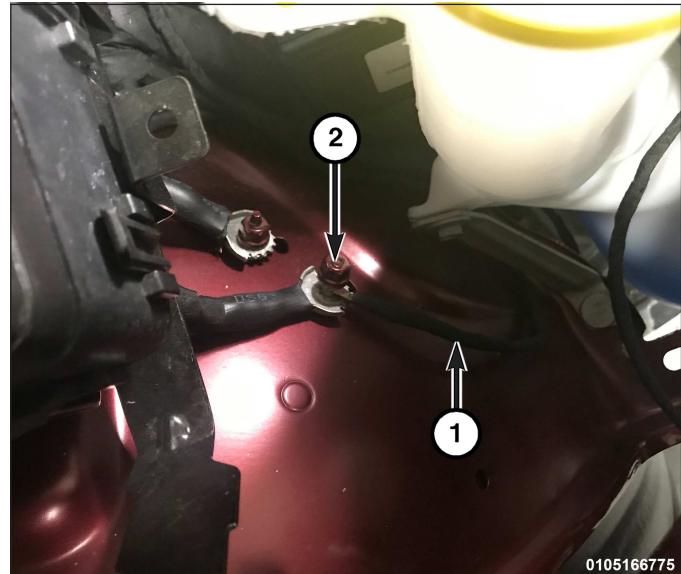
1. With the front fascia removed, begin routing the harness (1) along the existing harness located on the passenger side under-hood frame rail.

**NOTE: When routing the harness avoid sharp edges and hot components.**

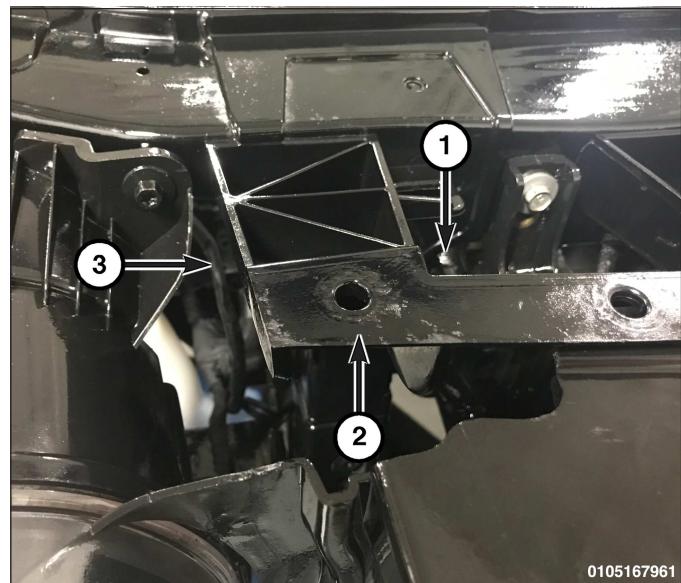
**NOTE: Harness routing highlighted RED for visual clarification.**



2. Remove the ground nut (2), install the ground wire (1) from the new harness to the stud forward of the fuse box. Reinstall the nut and tighten securely.



- Route the connector ends of the harness under the core support through the access point (3) between the headlamp mounting tab and the core support. Keep the harness below the fascia support (2), route the harness through the access point (1) following the horn wiring harness toward the driver side of the vehicle.



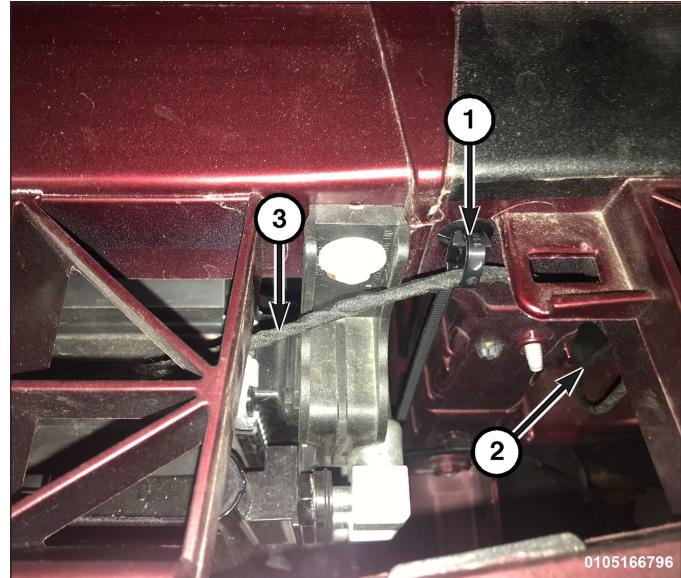
- From the access point (1) continue routing the harness in line with the horn wiring (2).

**NOTE: Harness routing highlighted RED for visual clarification.**



- Continue routing the harness (3) under the fascia support until it is just past the radiator on the driver side and back through the core support access point (2) on the driver side. Using the supplied cable tie with a push pin backer, install the cable tie (1) into the hole on the core support.

**NOTE: DO NOT TIGHTEN THE CABLE TIE AT THIS TIME.**

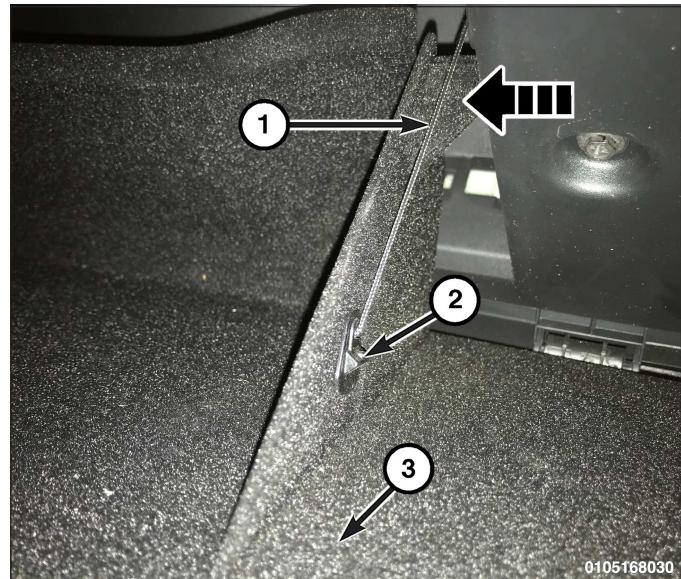


6. Using a sharp pick or equivalent, carefully punch a hole (1) in the grommet taking care not to damage the existing wiring. Tape the pin ends of the harness to the pick or equivalent to protect them from damage and carefully feed the harness (2) through the grommet.

**NOTE: Harness routing highlighted RED for visual clarification.**



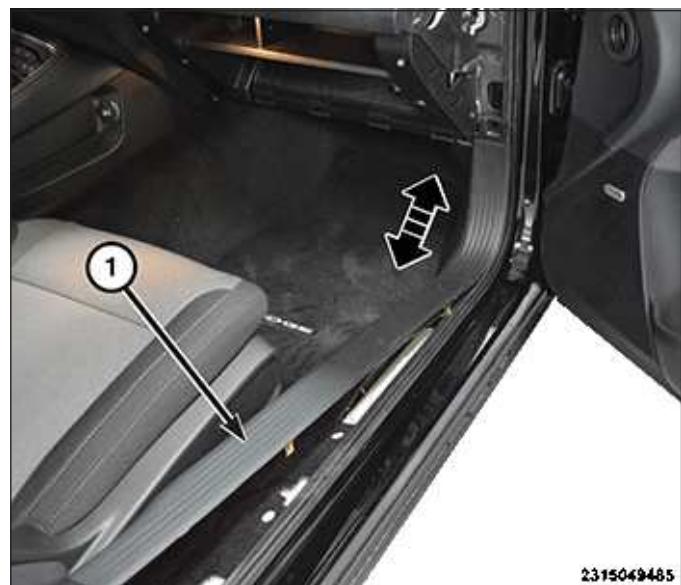
7. Open the glove box door (3).
8. Remove the support strap and retainer (2) from glove box door.
9. Push in on the glove box door stops (1) to disengage, then rotate the glove box door downward and remove.



10. Using a trim stick or equivalent, remove the instrument panel end cap (1).

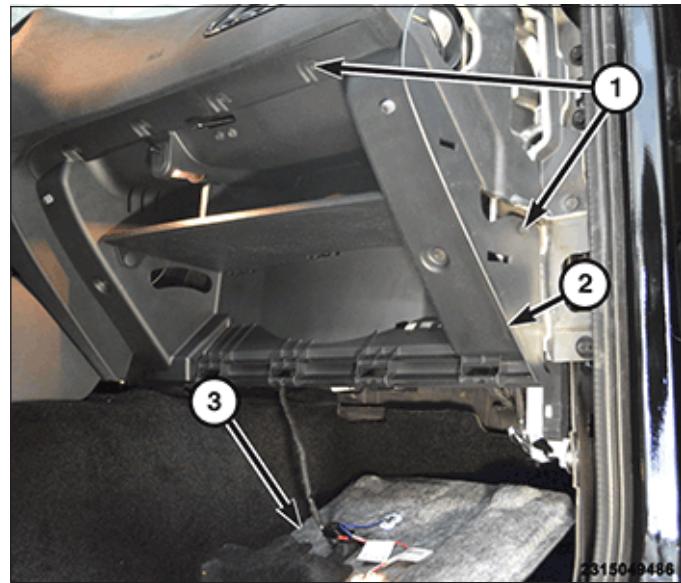


11. Lift the door sill plate (1) at the rear, then pull rearward and remove.



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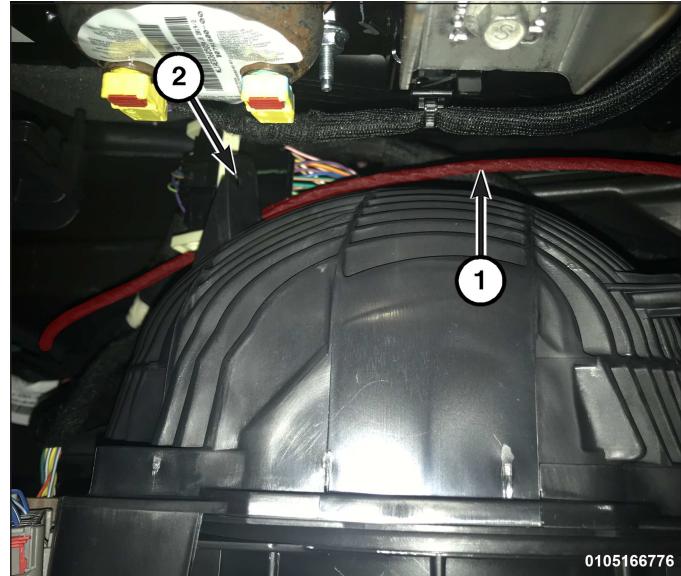
12. Remove the push pin fasteners, disconnect the wire harness connector and remove the instrument panel closeout (3).
13. Remove the eight screws (1) from the glove box (2) and remove.



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14. Route the harness (1) behind the tab (2) on the Heating, Ventilation, and Air Conditioning (HVAC) housing. Secure the harness (1) to the tab (2) using a cable tie.

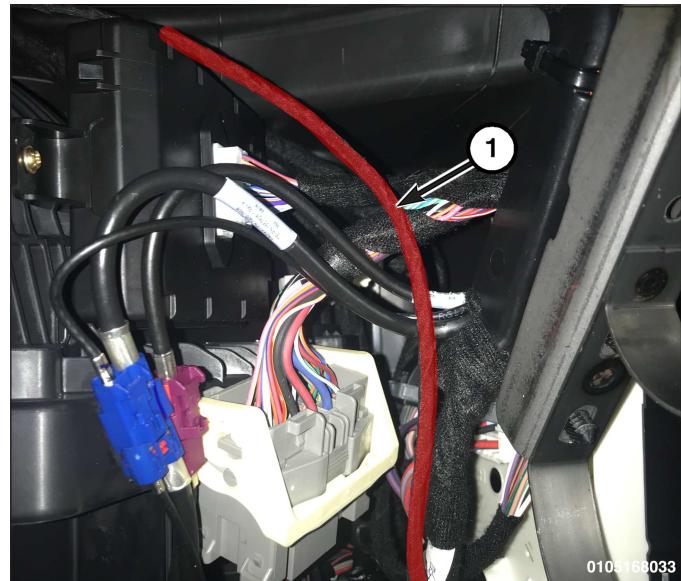
**NOTE: Harness routing highlighted RED for visual clarification.**



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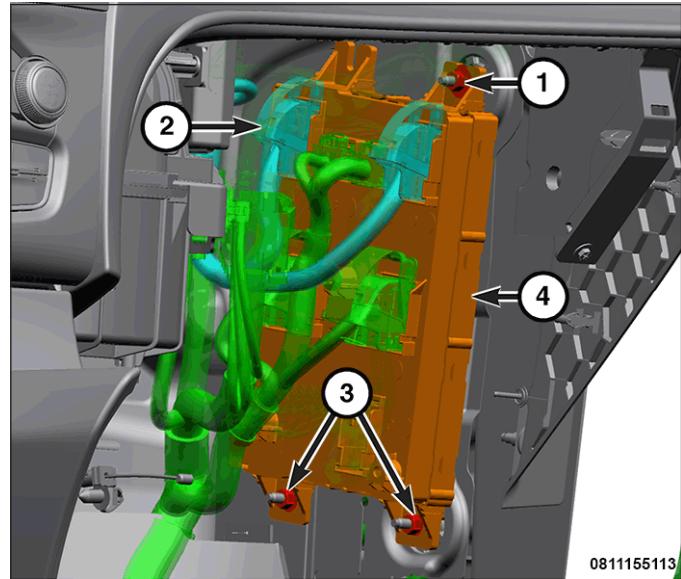
15. Route the harness (1) to the passenger side kick panel.

**NOTE: Harness routing highlighted RED for visual clarification.**



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16. Remove the fasteners (1 and 3) and remove the Body Control Module (BCM) (4) for easier access. Remove the C1 wire harness connector (2) from the BCM.

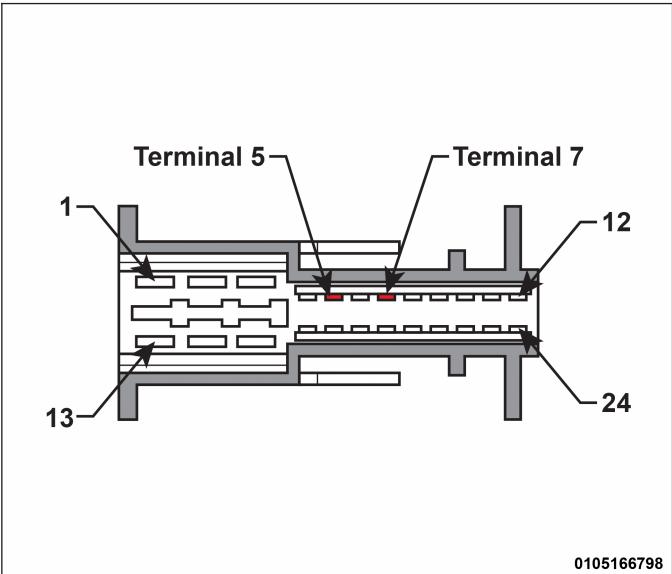


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**NOTE: Wire Insertion Side Shown.**

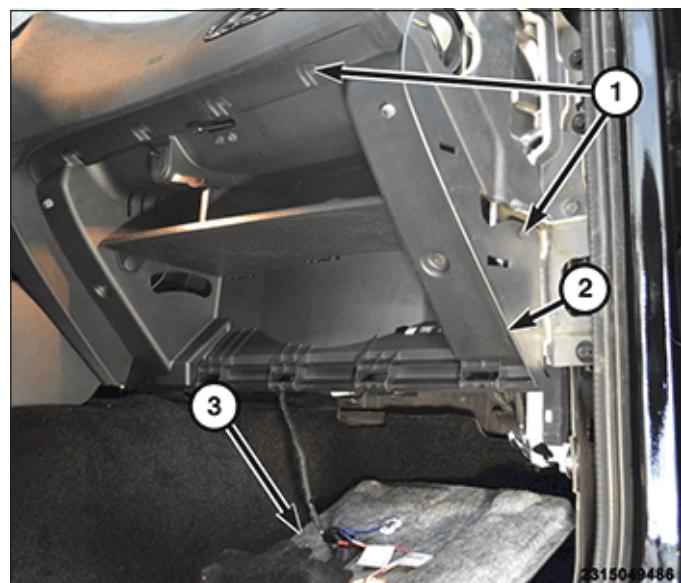
17. Install the **RED WIRE/WHITE STRIPE** pin into **Terminal #7**.  
 18. Install the **RED WIRE/BEIGE STRIPE** pin into **Terminal #5**.

**NOTE: Secure the harness behind the glovebox and underhood every 100mm (approximately 4 inches) using the supplied cable ties (The new harness should follow the existing harness throughout the engine bay until it reaches the driver side horn).**

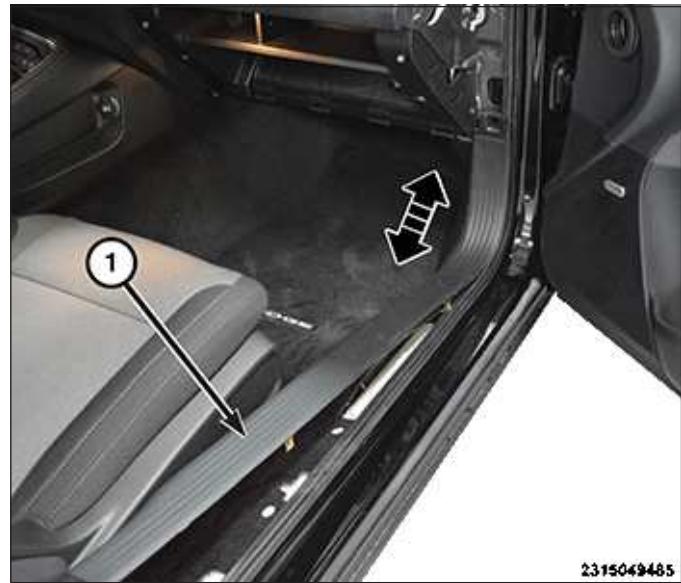


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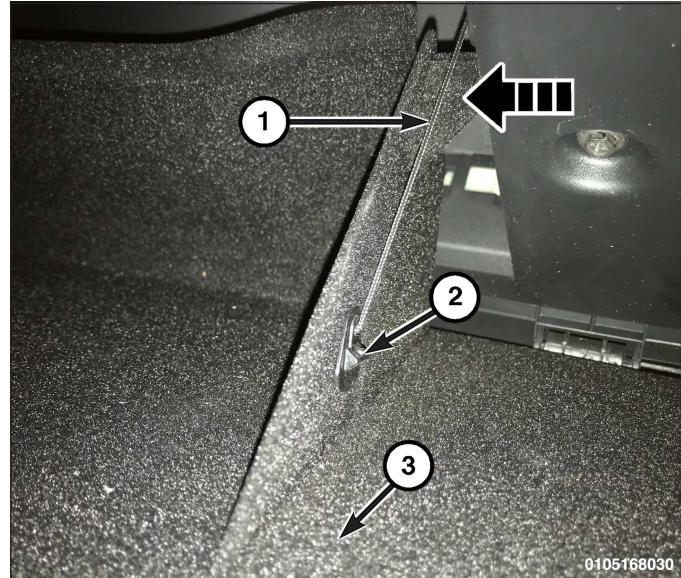
19. Connect the wiring harness and position the glove box (2) into the instrument panel.
20. Install the screws (1) and tighten securely.
21. Connect the wiring harness connector and install the instrument panel closeout (3).



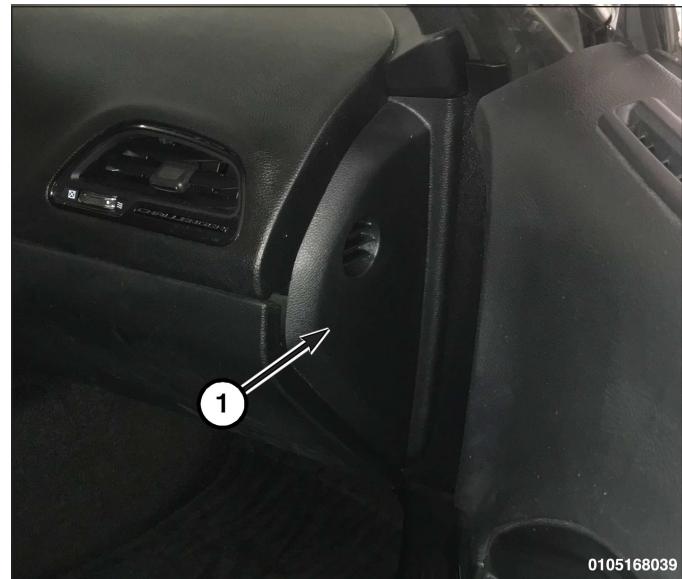
22. Install the door sill trim panel (1) at the front, then hand tap the rear to install the retaining clips.



23. Align the glove box door (3) in the lower hinge slots.
24. Install the support strap and retainer (2) into the slot on the glove box door.
25. Push in on the glove box door-stops (1) and rotate the glove box door upward.

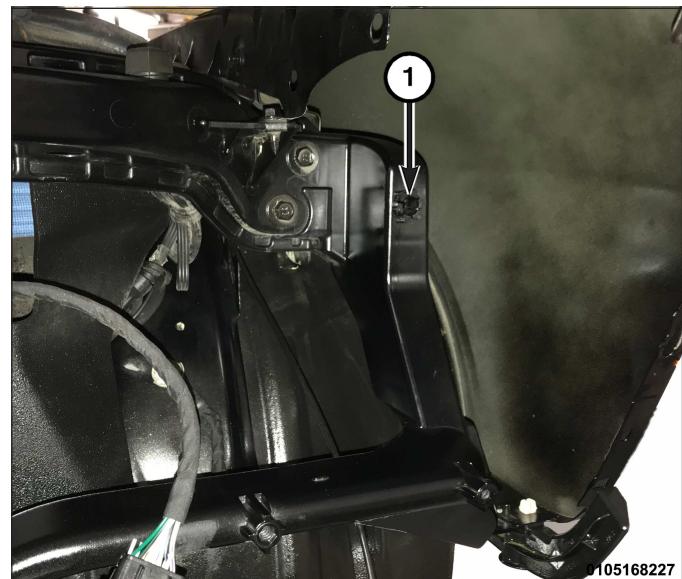


26. Position the A-pillar extension (1) and hand tap to engage the retaining clips.

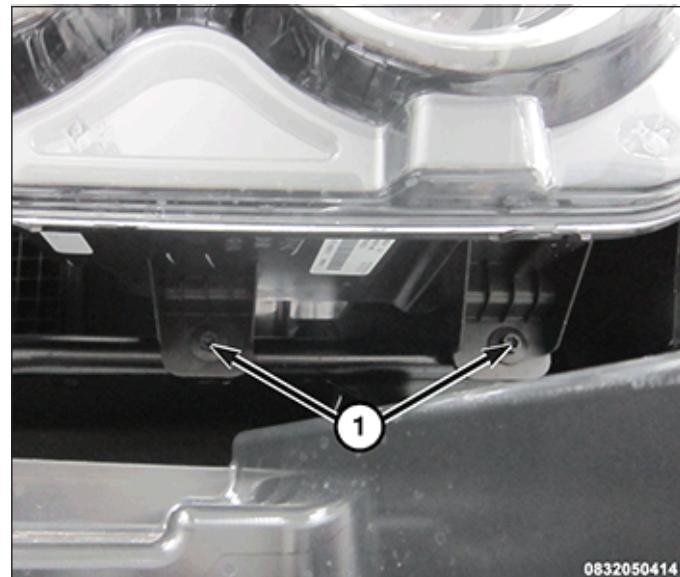


## HEADLAMP INSTALLATION

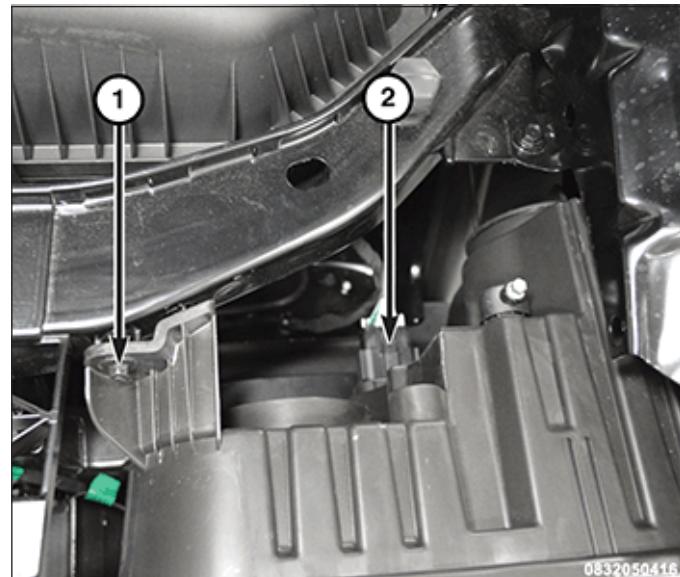
1. Position the lamp to the lamp housing of the FEM. Line up the headlamp guide pin with the FEM guide pin hole (1) and seat the headlamp for lower bolt installation.



2. Install and securely tighten the two screws (1) that secure the lower mounting brackets to the lamp housing of the FEM.



3. Install the upper screw (1) to secure the lamp to the upper FEM bracket and tighten securely.
4. Connect the wiring harness connector (2) to the back of the lamp assembly.

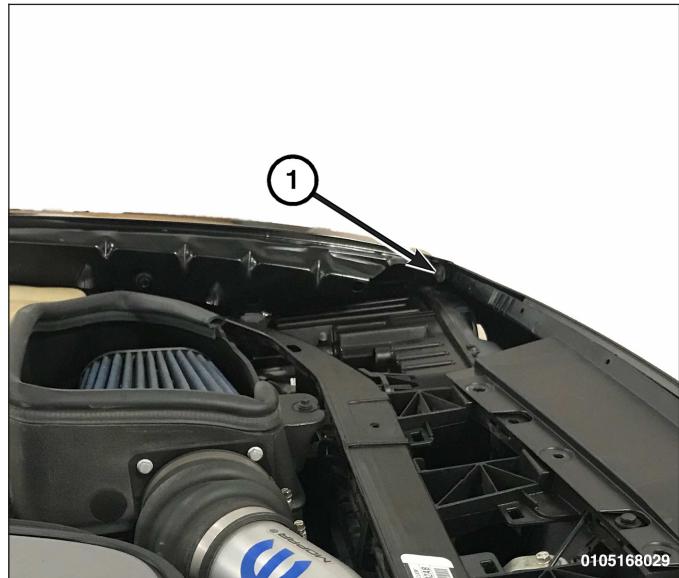


## FRONT FASCIA INSTALLATION

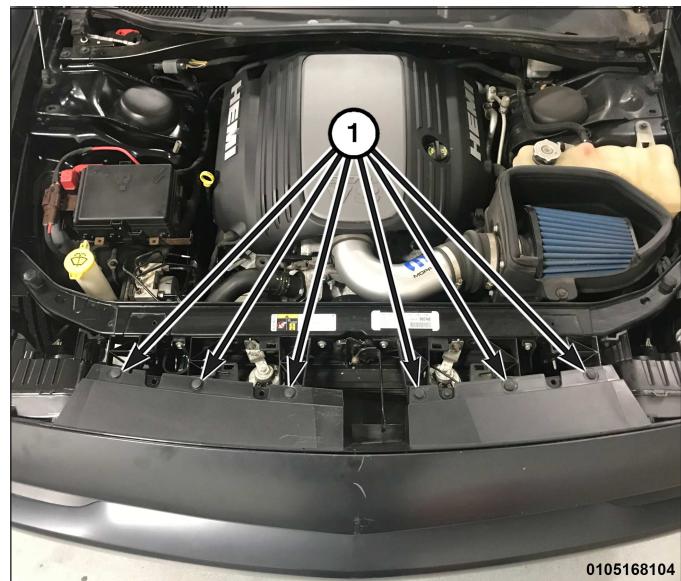
1. Carefully position the front fascia onto the vehicle, aligning the studs (1) and seating it fully. Use caution when installing the fascia as to not scratch the fender when locating the guide pin or fascia to fender mounting stud.
2. Hand tap the front fascia to engage the retaining clips (2).



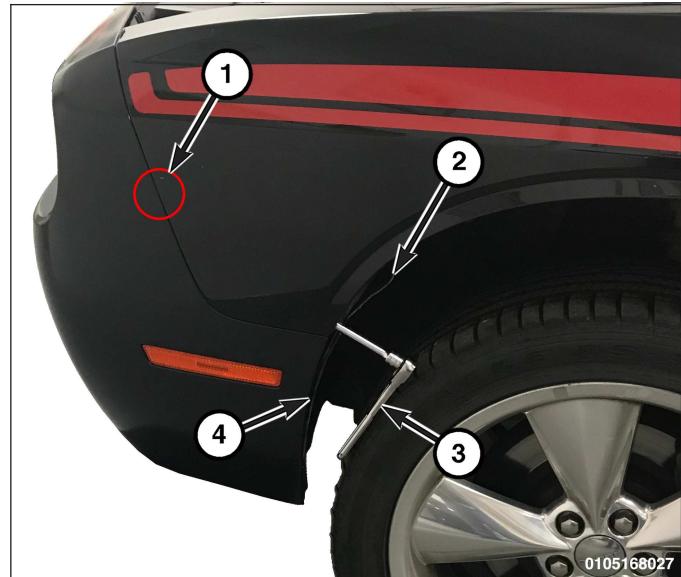
3. Install the nut (1) securing the fascia to the top of the fender and tighten securely.



4. Install the six push pin fasteners (1) securing the top of the front fascia.



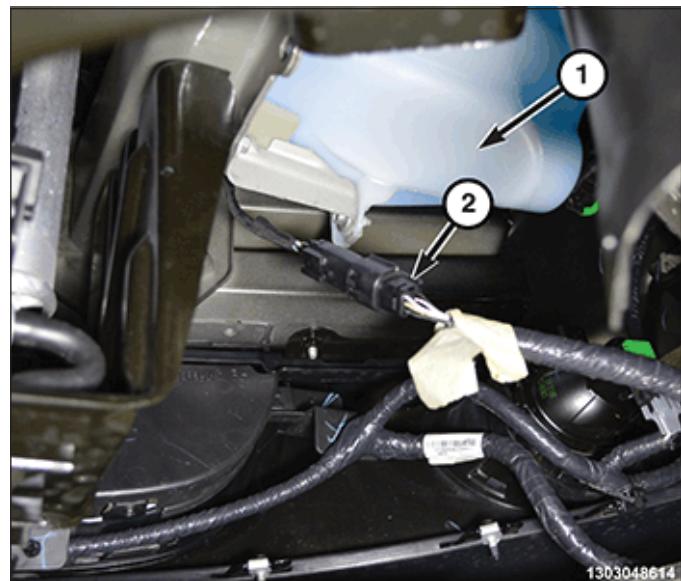
5. Using a suitable tool (3), install the fascia to fender mounting nut (1) recessed in the fender well and tighten securely.
6. Install the hidden fascia mount bolt (4) and tighten securely.
7. Position the new splash shields (2) into place and install new plastic rivets.



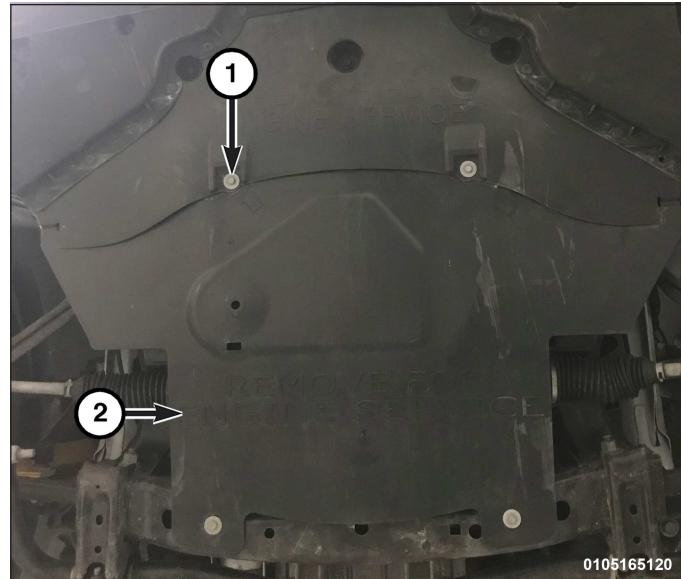
8. Install the upper closeout panels (1).



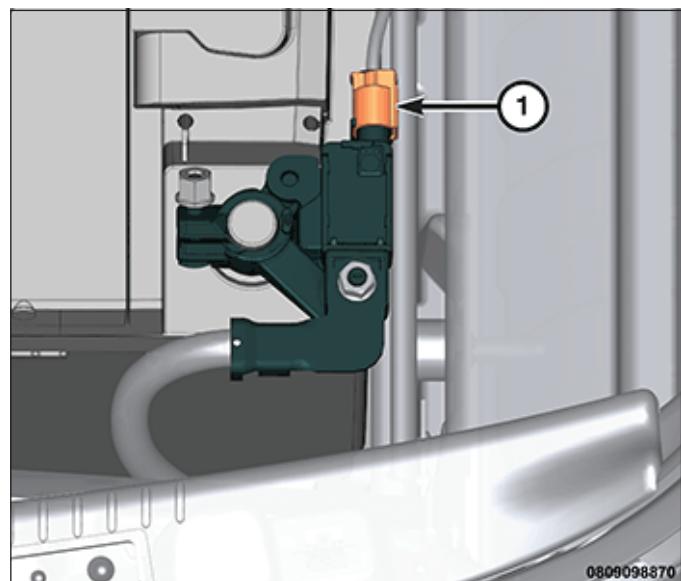
9. Connect the fascia wire harness connector (2) located under the washer fluid bottle (1) on the right side of vehicle.



10. Install the front fascia lower closeout panel.
11. Install the engine belly pan (2) and install and securely tighten the bolts (1).



12. Remove the support and lower the vehicle.
13. Connect the negative battery cable. If equipped with an Intelligent Battery Sensor (IBS), connect the IBS connector (1).



14. Verify proper headlamp aiming.

**NOTE: The BCM will need to be programmed after installation for the Aircatcher Headlamp Halo Rings to be functional.**

## **BCM ILLUMINATED AIR-CATCHER HEADLAMP CONFIGURATION**

Vehicle VIN must be updated with the sales code of the added accessory in order to enable system functionality. Using the DealerCONNECT website and the scan tool, complete the procedure below:

1. Log on to: <https://dealerconnect.chrysler.com>
2. In the service tab, inside the Warranty Administration Box, locate “Vehicle Option Updates”. Enter the vehicle VIN and add the sales code “JFV” (Illuminated Air-Catcher Headlamps) as a “Dealer Installed Option”.
3. Confirm the new sales code has been successfully added to the VIN. With the scan tool connected to both the internet (via Ethernet port or wireless connection) and the vehicle, follow the steps below:
  - 1) Using the scan tool select the VEHICLE PREPARATION and then select RESTORE VEHICLE CONFIGURATION.
  - 2) Follow the step by step instructions on the scan tool to complete the halo light installation.