

Install guide for (2013-2023 Ram 1500 DS Halogen Fog Light Upgrade Kit)

Before you begin, make sure to checkout our install video. We spend a good amount of time getting these videos just right so that they will be a helpful guide.

Part lists

- Driver side Halogen Fog Light
- Passenger side Halogen Fog Light
- Fog light harness
- Fog light switch
- Screws
- Nuts
- Genie Programmer
- Security Gateway Module Bypass



Tools required for installation, socket sizes & whatnot.

- Light Source
- Pry Tool
- Flathead Screwdriver
- 10mm Wrench/Socket
- 8mm Wrench/Socket
- 18mm Wrench/Socket
- 13mm Wrench/Socket

Skill Level: 2

Time Investment: 1-2 hours



Step 1: Start by using your pry tool to remove the plastic tabs holding the top shroud in place, then place it to the side.

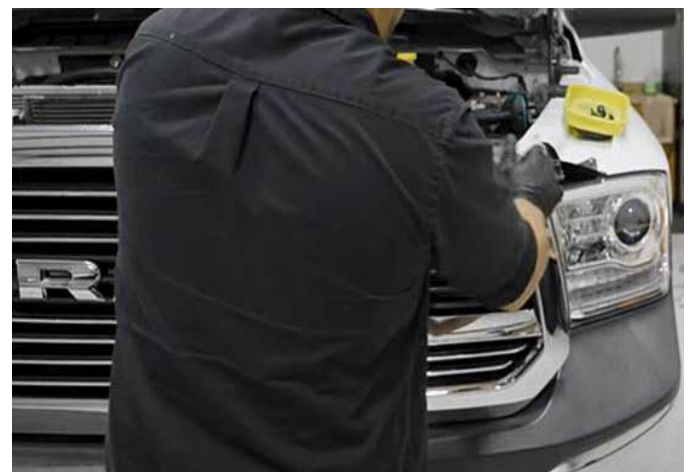


Step 2: Remove the four 10mm bolts holding down the grille.

Note: Make note of the bolts with finer threads go into the metal & the coarser thread bolts go into the plastic.



Step 3: You can now pull the grille straight back to release it's retainer clips from the frame.



Step 4: Next remove the two 10mm bolts holding each headlight in place.

Note: The bottom bolt is at a difficult angle so you might want to use a swivel to get to the bolt.

Note: There is one clip still holding the headlight in place.



Step 5: In the passenger and driver wheel well. There is a plastic clip that needs to be removed to gain access to the last clip holding the headlight in place. Once the flap is open, reach in and push up on the lever for the clip to release the headlight.



Step 6: Here is a closer look at the headlight lever. Push up to unlock and once headlight is back into place, pull down to lock.



Step 7: You can now pull your headlight out by pulling straight.



Step 8: Disconnect the headlight wiring and safely place headlight to the side.

Note: Circled in white is the tab the lever released.



Step 9: Back in the wheel well. You'll need to remove the 8mm screw holding the bumper valance.



Step 10: Next remove the 10mm bolt holding the bumper valance to the fender.

Note: It is a bit of a pain to get to this 10mm bolt. You can go it from the wheel well opening or the headlight opening.

Note: Same process for the passenger side.



Step 11: You can now pull down-and-out on the bumper valance to remove it. Place it safely to the side.

Note: There are only a handful of clips holding the bumper valance in place.



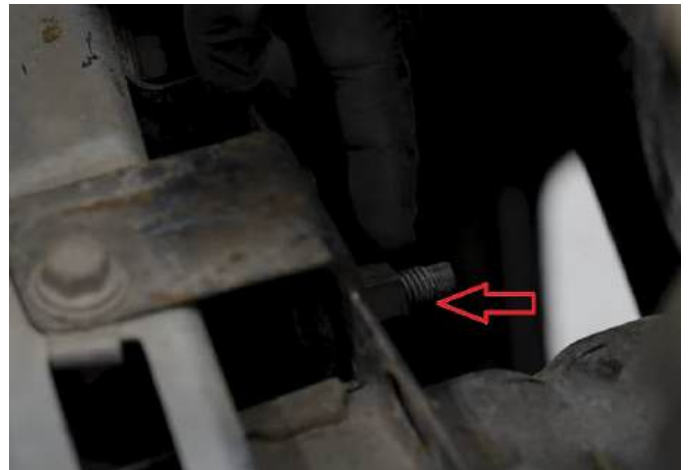
Step 12: Now remove the plastic shroud that was holding the bumper valance in place. There are two 10mm bolts on each end holding it to the vehicle.



Step 13: Flip the plastic shroud up to gain access to the four plastic clips holding the shroud in place, remove the plastic clips and place the shroud off to the side.



Step 14: You can remove the three 18mm nuts on each side of the bumper. You can best see these nuts by looking down behind the bumper.



Step 15: Once those nuts have been removed. You can pull from the center of the bumper. The bumper should slide off the frame. Place the bumper off to the side.

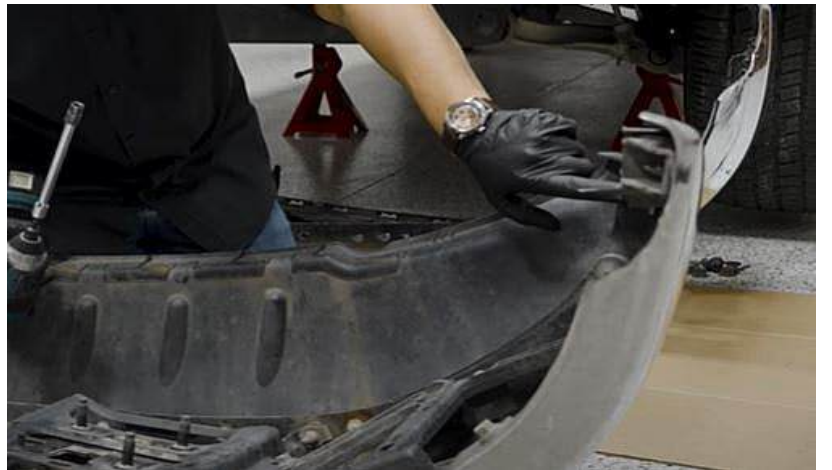
Note: If you plain to keep this bumper, make sure to place it down carefully not to damage it.



Step 16: Place the bumper on a safe surface so you can remove all the parts from the old bumper you'll need for the new bumper with fog light openings.



Step 17: Start with the black splash guard by removing the 10mm bolts from each end.



Step 18: Remove the 13 plastic clips along the seam then place the black splash guard off to the side.



Step 19: Moving on to removing the bumper reinforcement and fog light mounts. The bolts are 15mm in size. Place the bumper reinforcement and fog light mounts off to the side.



Step 20: Remove the 4 clip-on nuts.



Step 21: Next remove the plastic molds on the sides of the bumper. They are only held in with plastic clips.



Step 22: Time to grab your new bumper and place it down on a safe surface. A workshop tarp/blanket or cardboard so you don't scratch up the new bumper.



Step 23: Install the plastic molds to the sides of the bumper with their plastic clips.



Step 24: Install the 4 clip-on nuts.



Step 25: Install the bumper reinforcement and fog light mounts using their 15mm bolts.

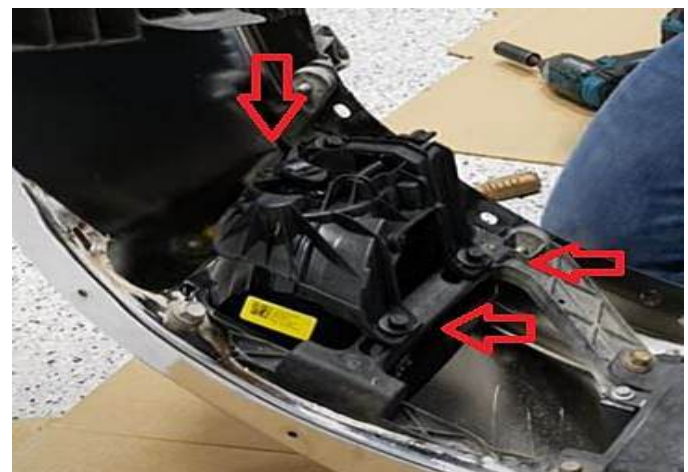


Step 26: Time to install the new Halogen fog lights, start with putting the three per side clip-on nuts onto the factory fog light brackets.



Step 27: Install the three bolts into the fog lights, they are 13mm bolts.

Note: Do the same to both sides.



Step 28: Install the 13 plastic clips along the seam for the black splash guard.



Step 29: Install the two 10mm bolts on each side of the black splash guard.



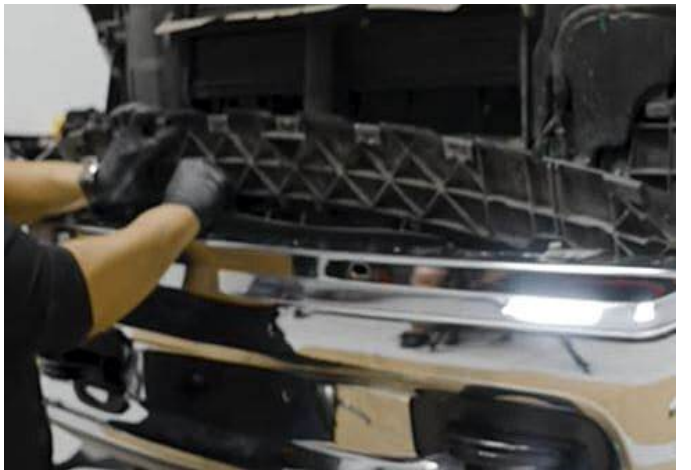
Step 30: You ready to install the bumper back on the vehicle. Life the bumper from the center and slide the bolts into the holes in the frame.



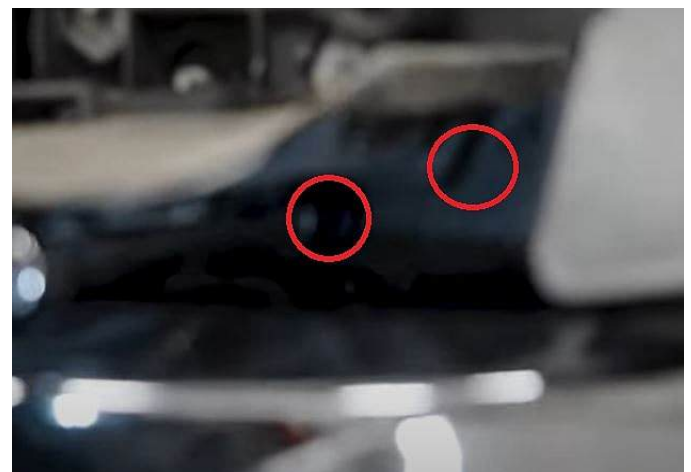
Step 31: Install the 3 nuts per side of the bumper.



Step 32: Put the plastic shroud back into place. Reattach the plastic clips.



Step 33: Install the two 10mm bolts on each side of the plastic shroud.



Step 34: Slide the bumper valance into place.



Step 35: Install the 10mm bolt back into place on the edges of the bumper valance.



Step 36: Install the 8mm screw holding the bumper valance back into place.



Step 37: Reinstall the headlights and secure with the two 10mm bolts.



Step 38: From the wheel well, you'll need to reach in and pull the white lever down to lock the headlight into place.



Step 39: Close the wheel well flap and secure with plastic clip.



Step 40: Reinstall your grille by snapping the retainer clips into place.



Step 41: Install the four 10mm bolts to hold down the grille.

Note: Make note of the bolts with finer threads go into the metal & the coarser thread bolts go into the plastic.



Step 42: Reinstall the top shroud into place and secure with plastic clips.



Step 43: Time to wire up the new halogen fog lights. Start with plugging in the passenger side fog light then routing the fog light harness toward the driver side.

Note: Zip tie any slack from the harness safely out of the way.



Step 44: Once you get to the driver's side fog light, you can start routing the fog light harness up into the engine bay.

Note: Zip tie any slack from the harness safely out of the way.



Step 45: Once you have the fog light harness in the engine bay, route the fog light harness along the right side between the frame and the battery.

Note: Zip tie any slack from the harness safely out of the way.



Step 46: Attach the grounding loop to this grounding point in the engine bay.

Note: Zip tie any slack from the harness safely out of the way.



Step 47: On the firewall you'll see a good spot to route the fog light harness into the cab of the vehicle.



Step 48: You can drill a hole into the bracket just big enough to route the fog light harness through.



Step 49: Once the hole is drilled, route the fog light harness through the hole.

Note: Seal the hole with some strip caulking or some silicone.

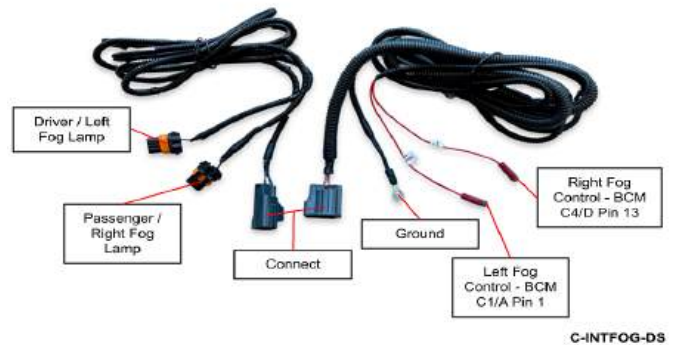
Note: Zip tie any slack from the harness safely out of the way.



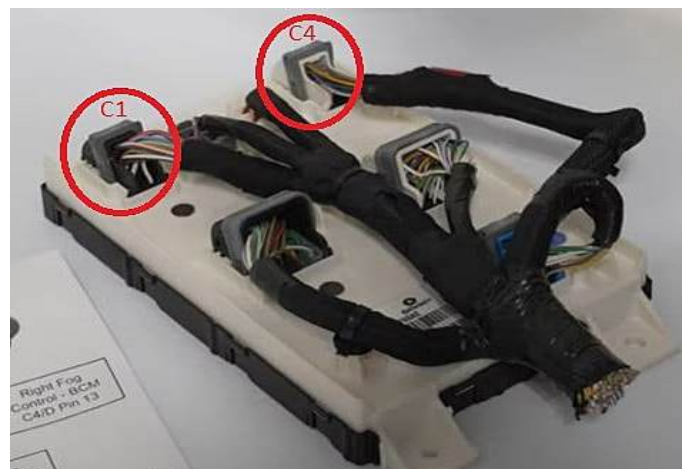
Step 50: Now we have two post tap connections to make to the BCM.

Note: Left Fog Light Control - BCM C1/A Pin 1

Note: Right Fog Light Control - BCM C4/D Pin 13



Step 51: Here is a BCM out of the vehicle to easily show you which connectors to posi tap into.



Step 52: Time to install the new light switch.



Step 53: With a pry tool, remove the trim panel. The panel is only held in with retainer clips.



Step 54: Using your fingers, reach in behind the old switch and push it out. Then Disconnect the old switch and replace it with a new switch in kit.



Step 55: Push the new switch into place.



Step 56: Reattach the panel cover back into place, it will clip back into place.



Step 57: Install the Security Gateway Module Bypass in the appropriate place. Then proceed with genie programming. This step is only needed for 2018+ vehicles. To find your vehicle's bypass location click the link: [OBD Genie Bypass](#)



Step 58: Use the genie to program the vehicle for the new upgrade.

I. Put vehicle into the run position.

II. Wait 1 minute after putting the vehicle into run to plug in the genie programmer.

III. The genie once plugged in will flash blue as it tries to program.

IV. The genie will turn a solid green light once programming was completed successfully, programming can take 1-3 minutes long.

V. Remove the genie and give the vehicle a sleep cycle.

VI. Test out your new upgrade.

VII. Enjoy!



Step 59: Enjoy your purchase and again thank you for choosing Infotainment.com for your upgrades.



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Infotainment.com 30-Day Return Policy:

Infotainment.com offers hassle free returns within 30 days from the date-of-delivery for a full refund unless otherwise stated on the product advertisement (such as a custom or special order item). The customer may choose to cancel their order prior to shipping or fulfillment without penalty. If the customer's order or package sustained physical damage it must be reported to Infotainment.com within 7 days of arrival. A 15% restock fee will apply to all returns unless the returned item(s) have been deemed defective by Infotainment.com after full inspection, in this case a restocking fee will not be assessed.

To initiate a return, the customer is required to contact the customer service department by phone, live chat, or via the online ticket system at anytime within 30 days from the date-of-delivery. The representative will issue a Return Merchandise Authorization (RMA) number, which is required to process your return. A copy of a completed RMA form must be included with the return shipment to expedite the process. The return must be shipped within 7 days of the RMA issuance. Infotainment.com reserves the right to refuse any package returned to them without authorization or process could be delayed over 30 days.

Customers are responsible for all return shipping charges unless they receive the wrong product or a defective item. It is recommended that the customer utilizes signature confirmation and/or insurance when shipping an item to Infotainment.com.

Infotainment.com will not be responsible for lost or damaged packages. Only the signature of an Infotainment.com employee will suffice as proof of delivery. A pre-paid return shipping label may be requested by the customer (located within the continental U.S) at the cost of \$15.00 to be deducted from the total refund amount. Customers located outside the United States will be responsible for all incurred shipping charges and customs duty/tax fees to or from Infotainment.com.

Returns will be processed within ten (10) business days of receipt (not including weekends, holidays, and the day the package is delivered). Refunds will be issued back to the original form of payment. If the original form of payment is no longer valid the refund will be issued as store credit. Infotainment.com reserves the right to reject or impose additional charges for replacement of a return if there is damage, missing



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Infotainment.com offers hassle free technical support and warranty claims on all products within 90 days from the date-of-delivery. Physical damage to an item received must be reported within 7 days of arrival.

To initiate a warranty claim, the customer is required to contact the customer service department by phone, live chat, or via the online ticket system at anytime within 90 days from the date-of-delivery. The representative will assist the customer with technical support and step-by-step troubleshooting procedures to resolve any issue or concern. If it is determined that the product(s) must be sent back for repair or exchange the representative will issue a Return Merchandise Authorization (RMA) number, which is required to process the warranty claim. A copy of a completed RMA form must be included with the return shipment to expedite the process. The item(s) must be shipped within 7 days of the RMA issuance. Infotainment.com reserves the right to refuse any package returned to them without authorization or process could be delayed over 30 days.

A pre-paid return shipping label will be issued by the customer service representative for customers located within the continental U.S. only. Customers located outside the U.S. will be responsible for all incurred shipping charges and customs duty/tax fees to or from Infotainment.com. Customers are fully responsible to ensure the item(s) are packaged securely to prevent damage in shipping transit. Infotainment.com will not be responsible for damaged item(s) due to poor packaging.

Warranty claims will be processed within five (5) business days of receipt (not including weekends, holidays, and the day the package is delivered). An Infotainment.com technician reserves the right to determine whether the troubled product requires a simple repair or a full replacement. Once the issue is resolved, a tracking number will be immediately provided to the customer when the repaired or replacement item is shipped



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therefore ending the warranty claim. Infotainment.com reserves the right to reject or impose additional charges for warranty claims if there is damage, missing components, excessive use/wear, a different serial number from when originally shipped, etc. Infotainment.com will allow up to two (2) claims per order before it is determined the item(s) will not work in the customer's vehicle. If the customer's warranty claim has not been processed within 3 weeks of arrival the customer is advised to contact the customer service department for an update.

This warranty policy is null & void if product(s) have been tampered with or modified. Infotainment.com is not responsible for professional fees related to installation, removal or re-installation of any product. Infotainment.com reserves the right to change or amend the warranty policy and procedures at any time without notification.

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Infotainment.com offers hassle free technical support and warranty claims on all products within 1 year from the date-of-delivery to retail customers who opt for the extended warranty coverage upon checkout. This policy also applies to all registered Infotainment.com wholesale accounts. Furthermore, franchise automobile dealers are granted additional coverage for their customers to match the vehicle's 3 year / 36,000 mile bumper-to-bumper manufacturer's warranty.

To initiate a warranty claim, the customer is required to contact the customer service department by phone, live chat, or via the online ticket system at anytime within 1 year from the date-of-delivery. The representative will assist the customer with technical support and step-by-step troubleshooting procedures to resolve any issue or concern. If it is determined that the product(s) must be sent back for repair or exchange the representative will issue a Return Merchandise Authorization (RMA) number, which is required to process the warranty claim. A copy of a completed RMA form must be included with the return shipment to expedite the process. The item(s) must be shipped within 7 days of the RMA issuance. Infotainment.com reserves the right to refuse any package returned to them without authorization or process could be delayed over 30 days.

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packaged securely to prevent damage in shipping transit. Infotainment.com will not be responsible for damaged item(s) due to poor packaging.

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