



Preparation:

- Disconnect the negative battery terminal. Park the vehicle on level ground and set the emergency brake.
- We recommend reading through the installation instructions in whole before performing the work.
- Estimated Installation Time: **2 Hours for OEM Removal/Bumper Installation**

1 Additional Hour to Wire Center Light

1 Additional Hour to Wire Side Cube Lights

This installation requires 2 people for best results

Labor Rates are based on a vehicle with no pre-existing damage. Wiring labor is based on a standard wiring procedure with light switches installed in an easily accessible location. Custom light triggering or switch mounting location will result in a greater labor charge.

You will need the following tools:

- | | | |
|-------------------------|-----------------------------|----------------|
| - Ratchet | - 10mm Socket | - 13mm Socket |
| - 15mm Socket & Wrench | - 17mm Socket | - 18mm Wrench |
| - 9/16" Socket & Wrench | - Utility Knife | - T15 Torx Bit |
| - 3/4" Socket & Wrench | - 7/32" Allen Wrench/Socket | |

Included in Kit:

- | | |
|---|---|
| 10 - Hex Head Bolts (3/8"-16 x 1 1/4") | 10 - Wide Washers (3/8") |
| 10 - Long Reach U-Nuts (3/8"-16) | 6 - Hex Head Bolts (M10-1.5 x 30mm) |
| 6 - Flat Washers (M10) | 2 - Light Mount Tabs (for 20" Radius LED) |
| 2 - Carriage Bolts (3/8"-16 x 1") | 2 - Flat Washers (3/8") |
| 2 - Nylon Lock Nuts (3/8"-16) | 4 - Black Button Head Bolts (3/8"-16 x 1") |
| 4 - Black Flat Washers (3/8") | 4 - Black Nylon Lock Nuts (3/8"-16) |
| 4 - Grade 8 Bolts (1/2"-20 x 4") | 8 - Flat Washers (1/2") |
| 4 - Metal Lock Nuts (1/2"-20) | 1 - Bumper Mounting Plate |
| 2 - Lower Bumper Mounting Brackets | |

Removal:

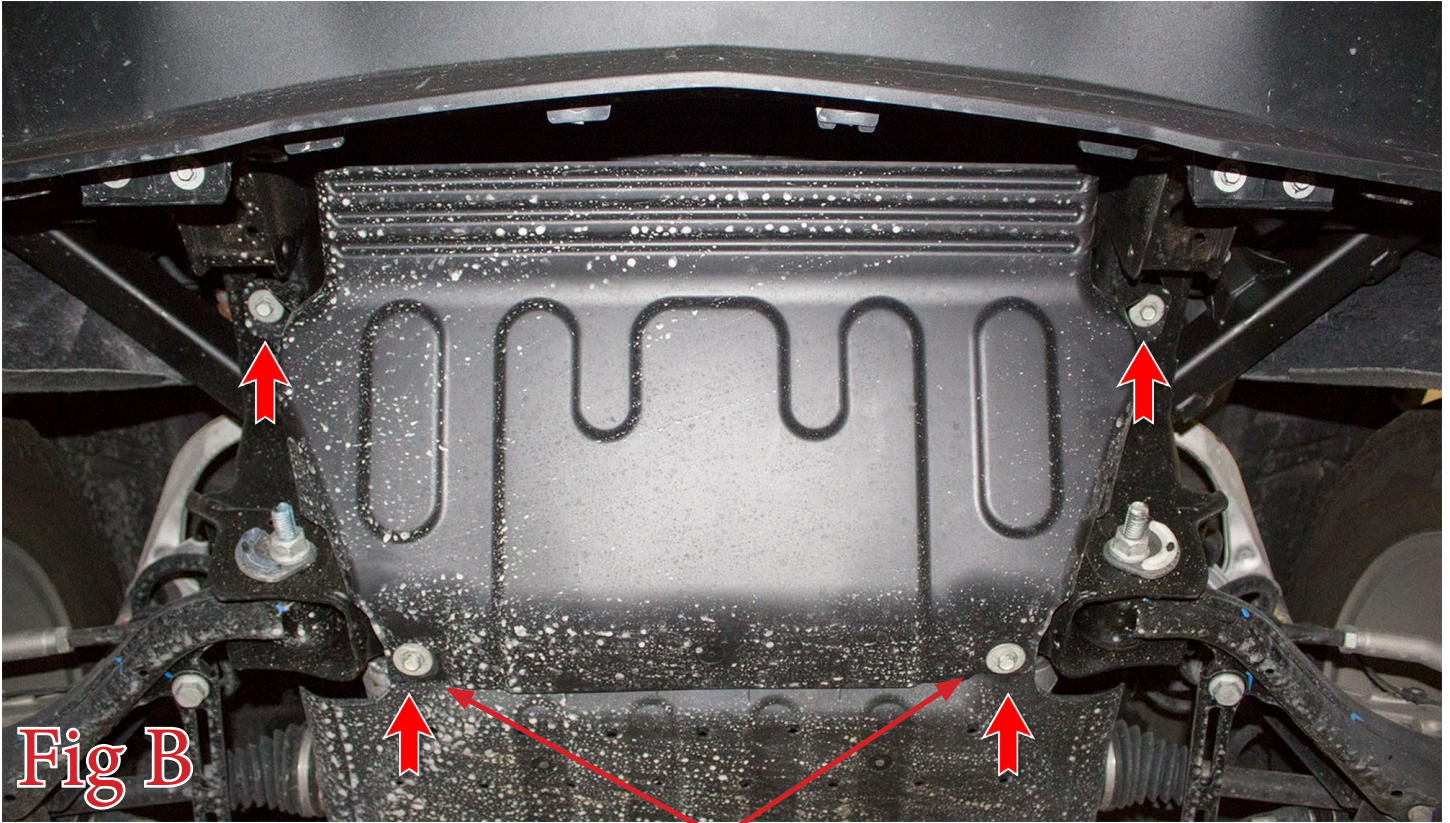
1. Using a T-15 Torx Bit, remove the two (per side) front lower inner fender well bolts. (Fig A)



Fig A



- Using a 13mm Socket remove the skid plate mounting bolts (x4). Then, remove the skid plate from the vehicle. Once the skid plate is removed, reinstall the 2 rear bolts. (Fig B)



Once you remove the skid plate, reinstall these two bolts.

- Using a 10mm Socket, remove the bolts (x4) on the underside of the OEM bumper. (Fig C)

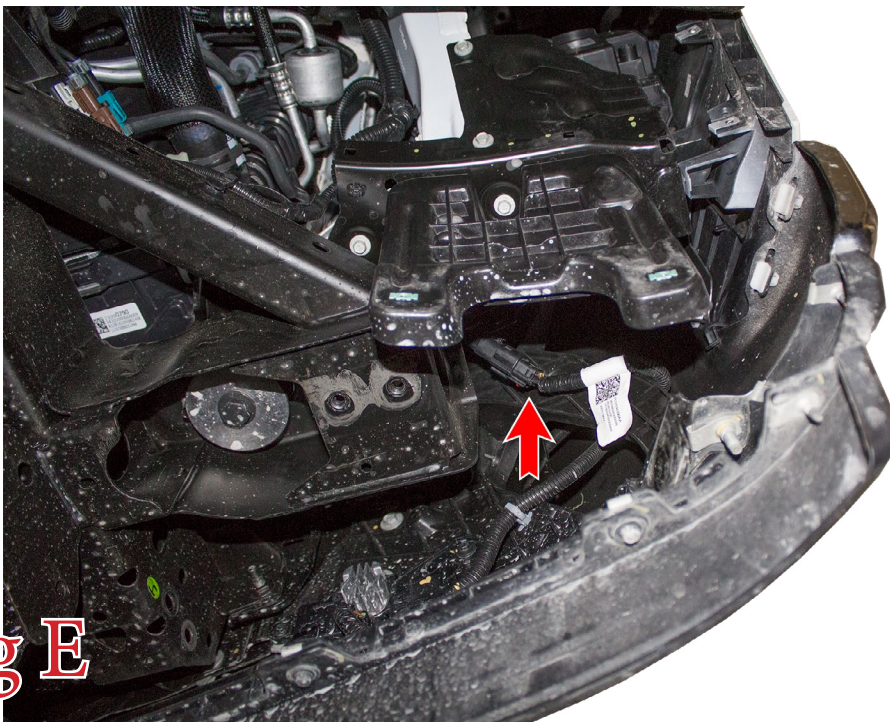




- Using a 15mm Socket, remove the bumper support bar mounting bolts (3 per side). Then, remove these bumper support bars from the vehicle. (Fig D)

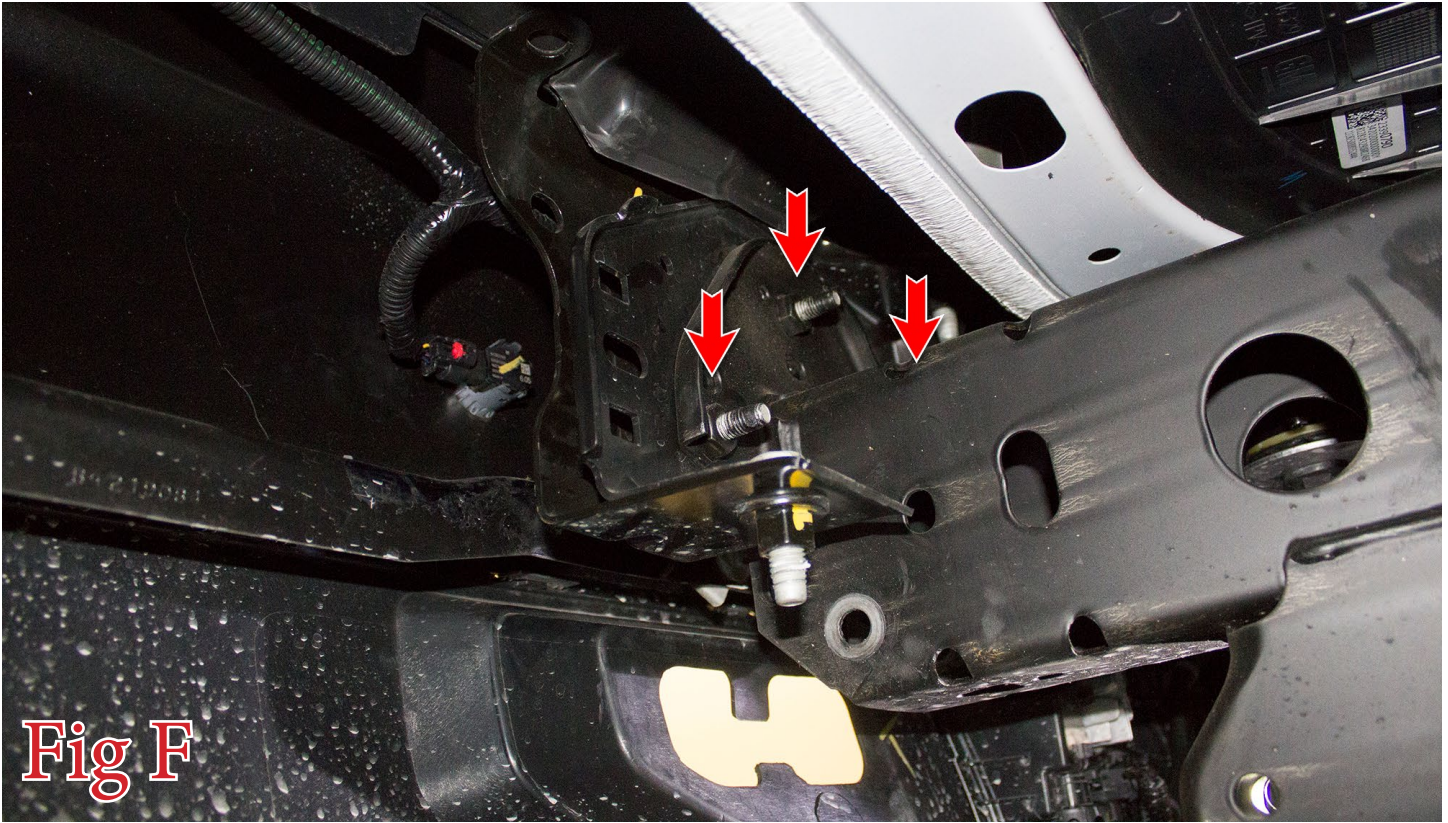


- On the passenger side of the vehicle, just in front of the inner fender liner, unplug the main bumper harness connector. (Fig E)



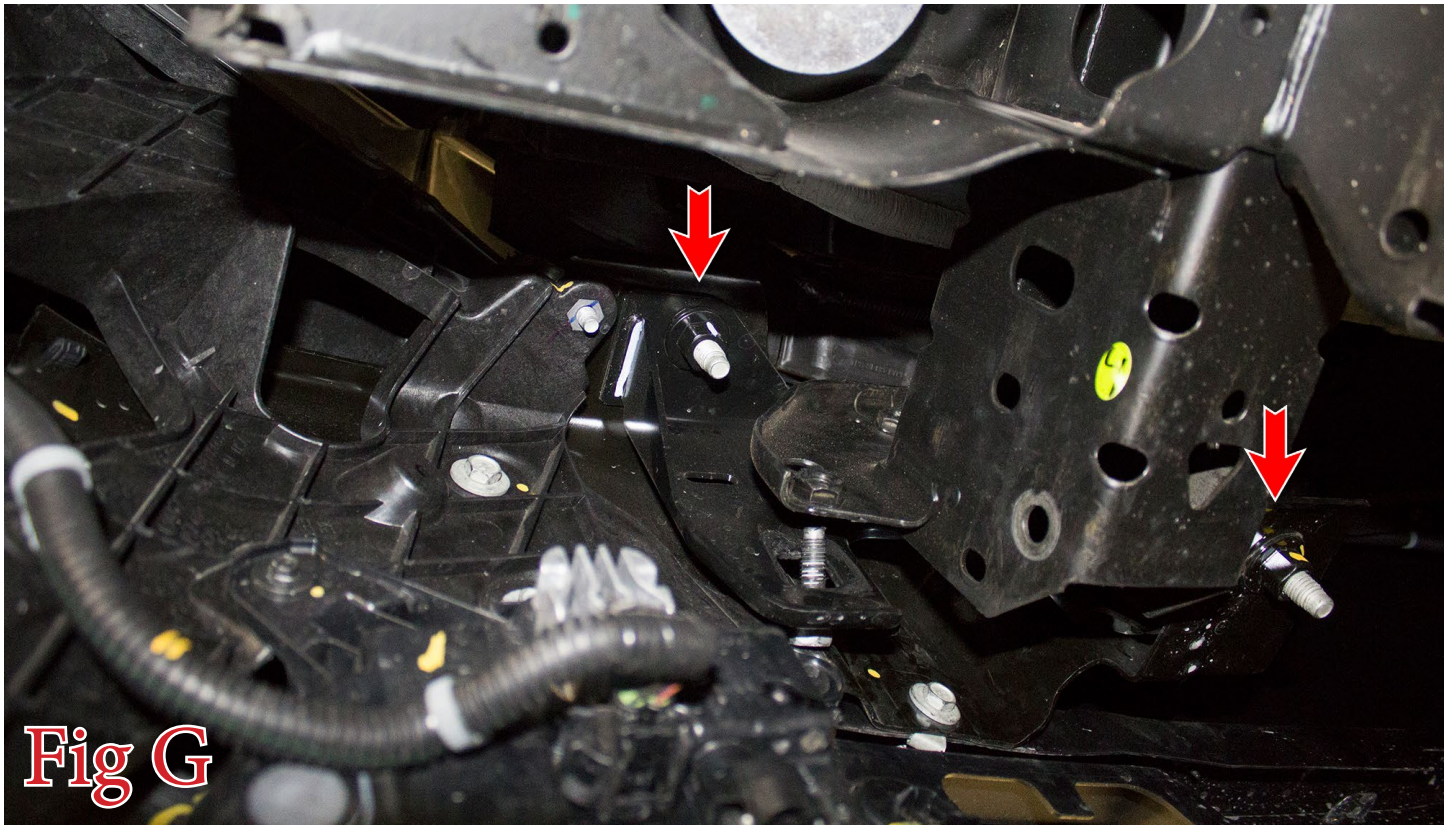


6. Using a 15mm Wrench, loosen the 3 bolts per side that hold the bumper to its mounting brackets. Do not take these all the way out, just loosen them until the bumper is loose and drops down about a half inch. The head of the bolts are between the bumper and the frame horn, you will need a wrench to access them. (Fig F)

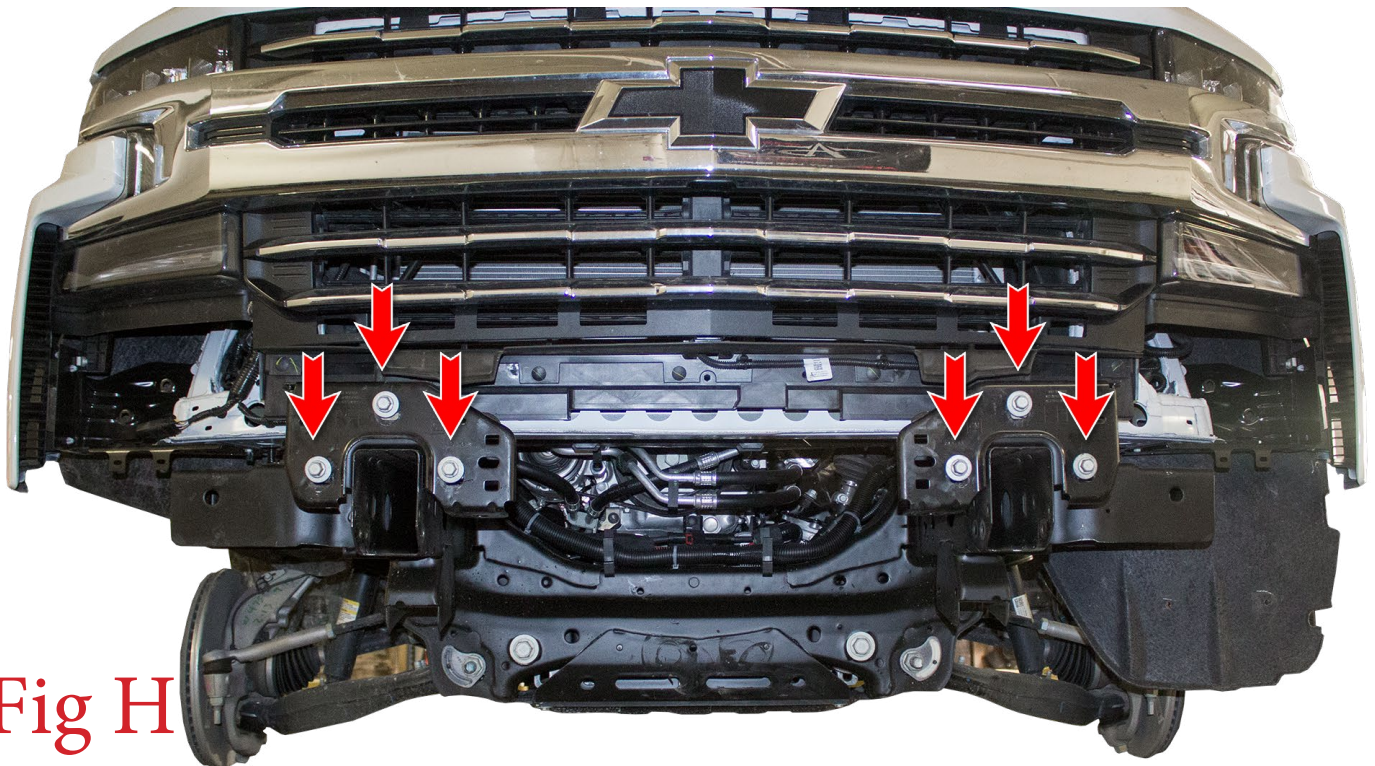




7. Now that the bumper has dropped a little, you can access the two bolts (per side) that hold the bumper to its mounting brackets with an 18mm Wrench. Remove these bolts, then remove the OEM bumper from the vehicle. (Fig G)



8. Using a 15mm Socket, remove the bumper brackets from the truck's frame horns. (Fig H)





9. Using a 10mm Socket, remove the four bolts that hold on the plastic fender liner brackets. Then, remove these brackets from the vehicle. (Fig I)

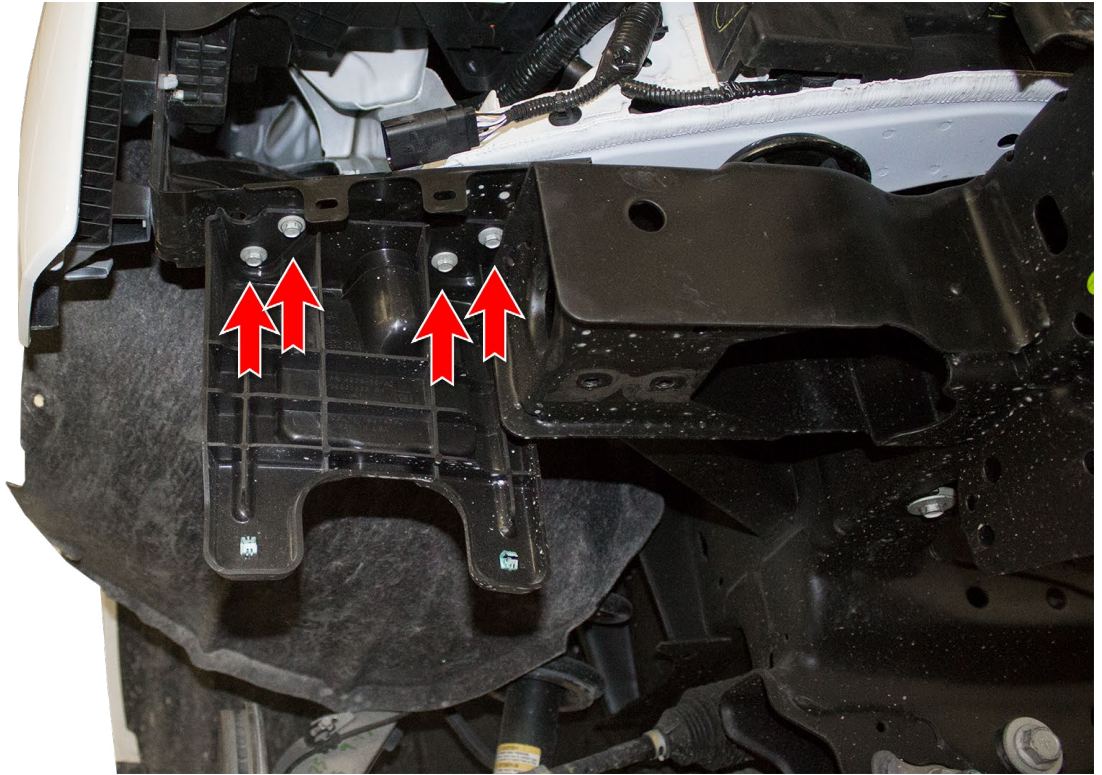


Fig I

10. Remove the bolts (one per side) that hold on the skid plate mounting brackets. Then, remove these brackets. (Fig J)

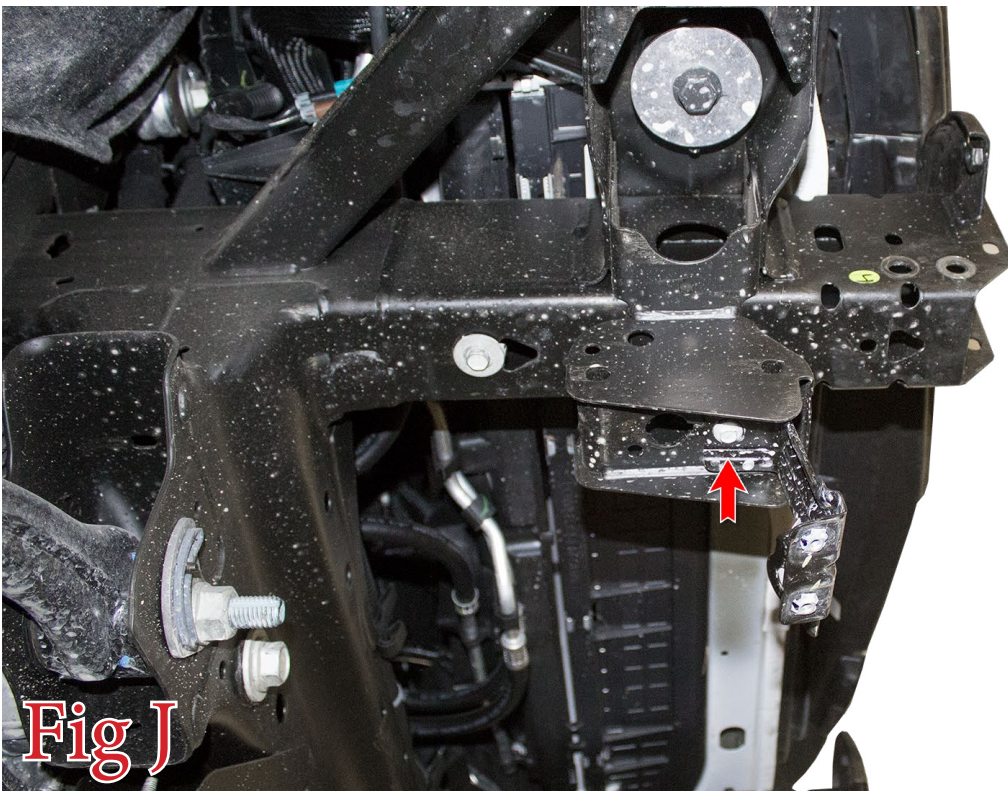
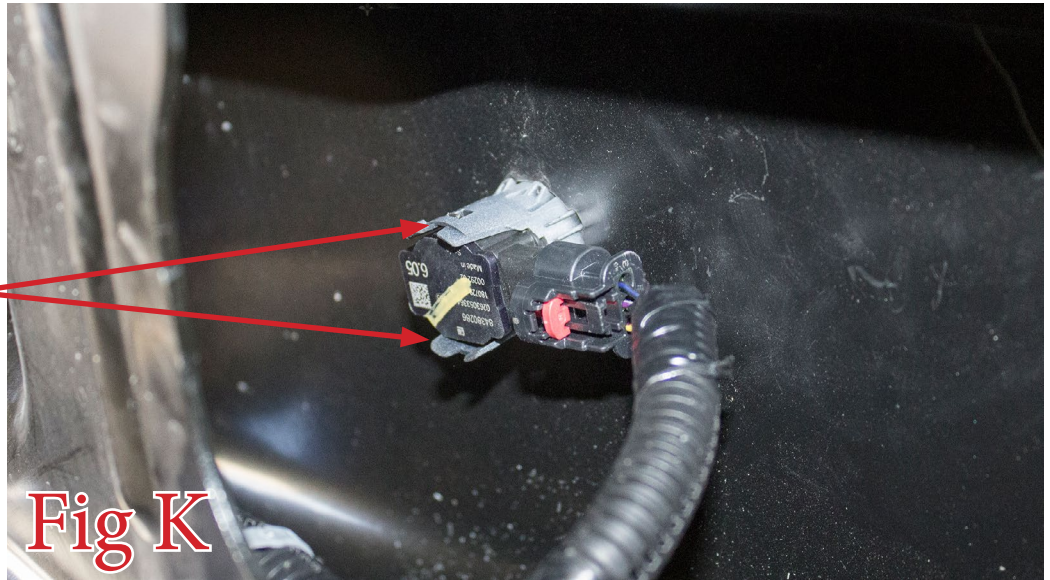


Fig J



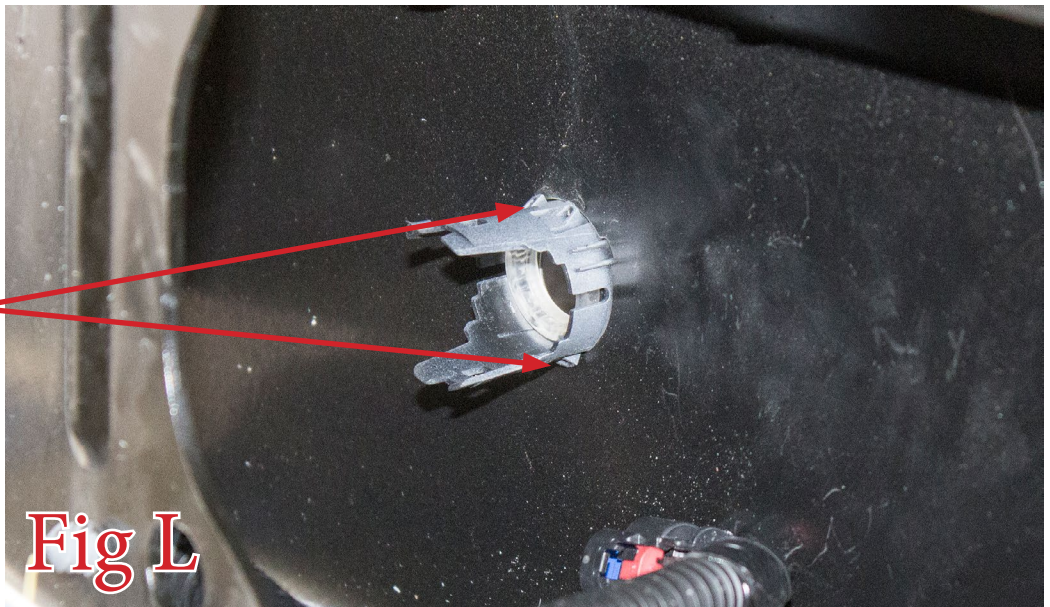
11. Remove the parking sensors from your OEM bumper. Do this by spreading the two tabs on the back side of the sensor mounting rings. Make sure to keep track of the position/orientation that these come off your OEM bumper so you can install them on your new bumper in the same position/orientation. (Fig K)

Spread these two tabs to release the sensor.



12. Remove the parking sensor mounting rings. Do this by squeezing the two tabs on the back side of the mounting ring and pushing that ring out the front side of the bumper. (Fig L)

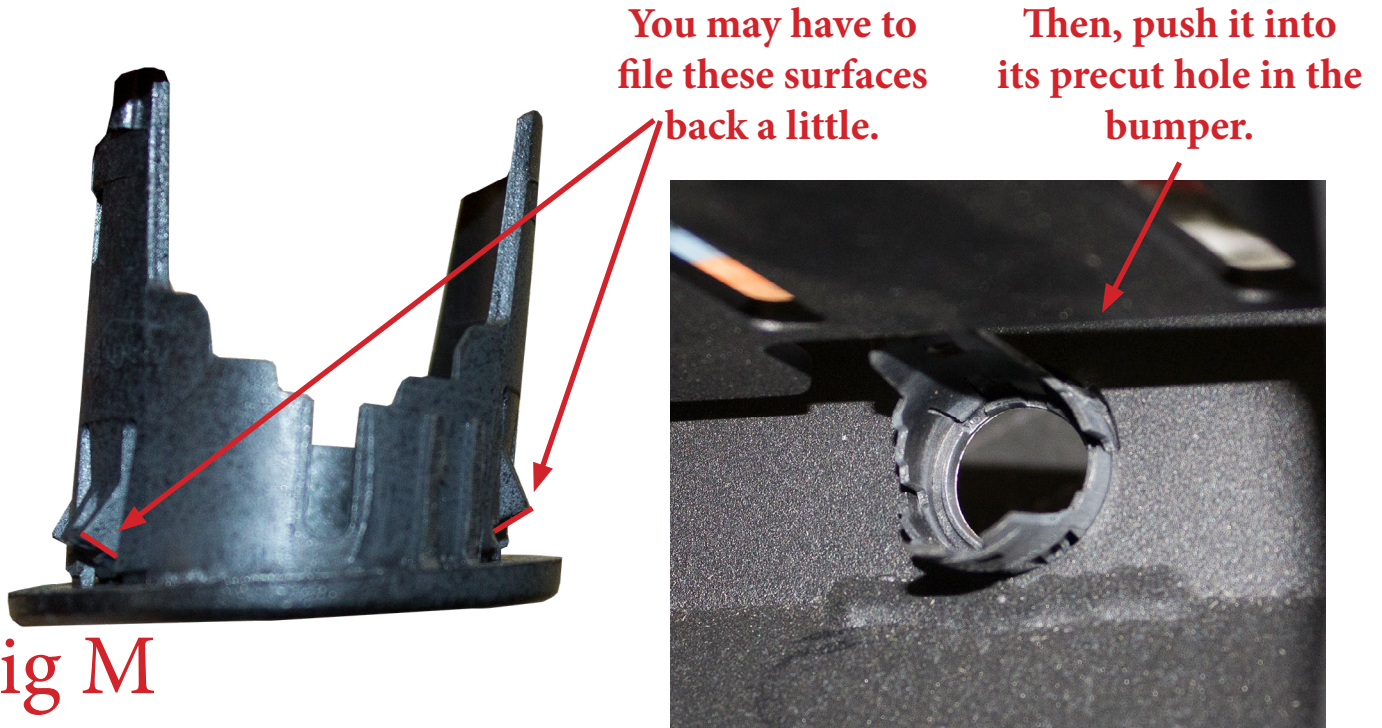
Squeeze these two tabs to release the ring.



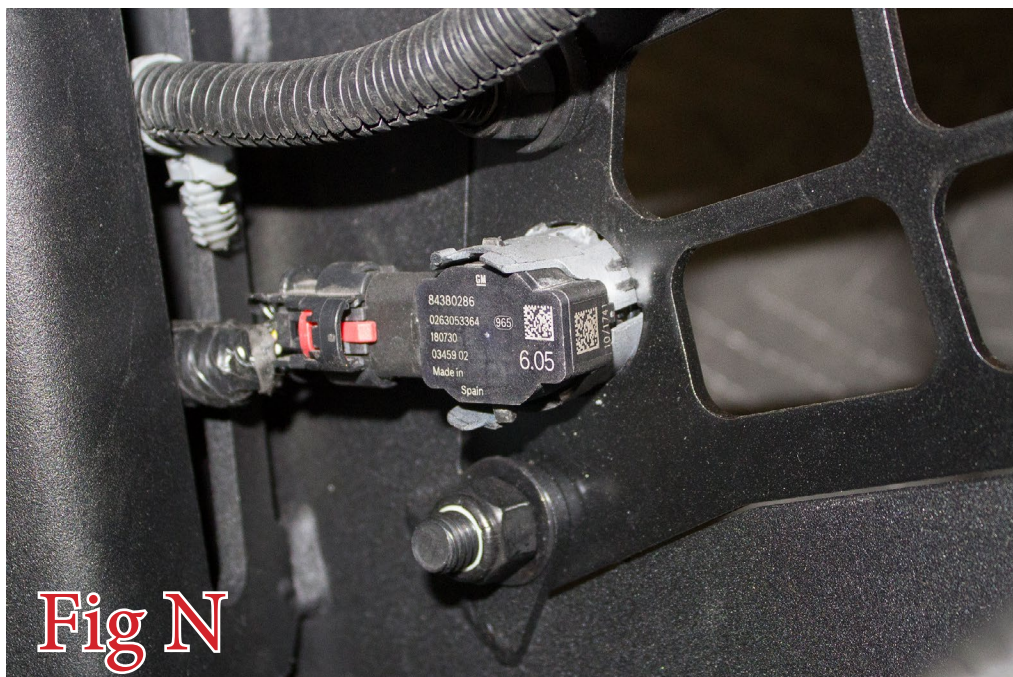


Installation:

13. Install the parking sensor mounting rings into your new bumper. Be sure to install them in the same position/orientation as they came off the OEM bumper. If the rings do not click into place, you may have to file the tabs down a little to allow for the thicker material of your new bumper. (Fig M)



14. Install the parking sensors by pressing them into the back side of the mounting rings until they click into place. Be sure to install these in the same position/orientation as they came off the OEM bumper. (Fig N) **Plug the harness in as you install the sensors and make sure to secure the harness out of harm's way with the main connector on the same side as it came off your OEM bumper.**





15. Install your light on your new bumper. Do this by first installing the supplied Light Mount Tabs (x2) to the light bar using the light manufacturer's hardware. **Make sure to put the supplied 3/8" Carriage Bolts (x2) in place on the mounting tabs before mounting the tabs to the light.** (Fig O)

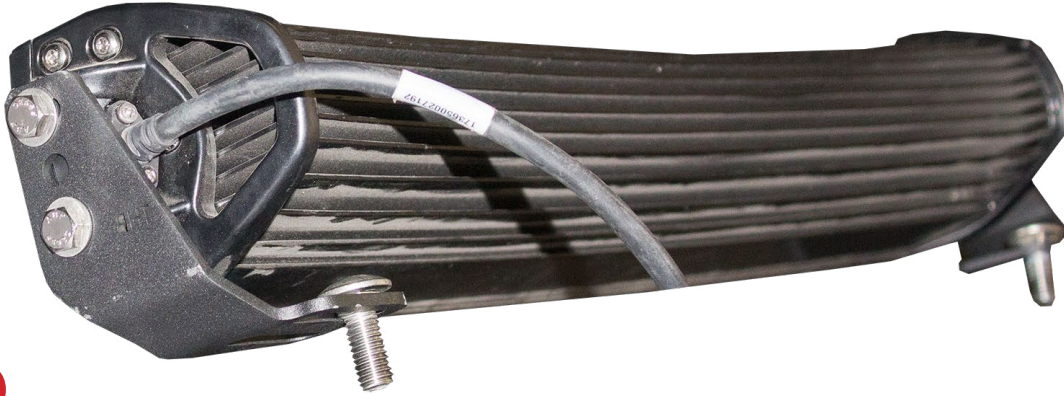


Fig O

16. Install the light/bracket assembly onto the bumper by lining the carriage bolts up with the slots cut into the bumper. Then, use the supplied 3/8" Washers (x2) and 3/8" Lock Nuts (x2) to secure the light. Follow the light manufacturer's installation guide for wiring information. (Fig P)

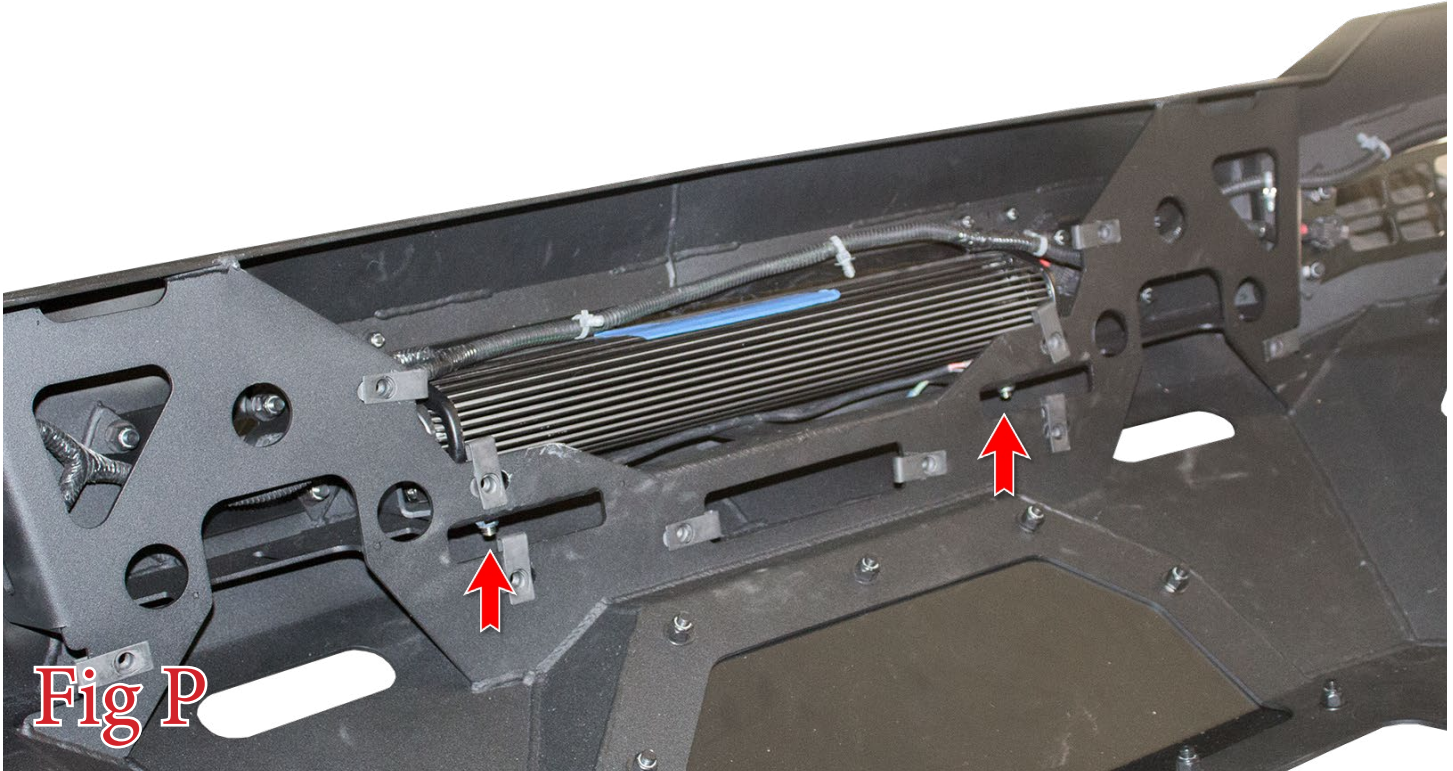


Fig P



17. Install your cube lights onto your new bumper by using the hardware supplied by the light manufacturer and following the light manufacturer's install guide. (Fig Q)



Fig Q

18. Install the supplied U-Nuts (x10) onto your new bumper as shown in (Fig R).

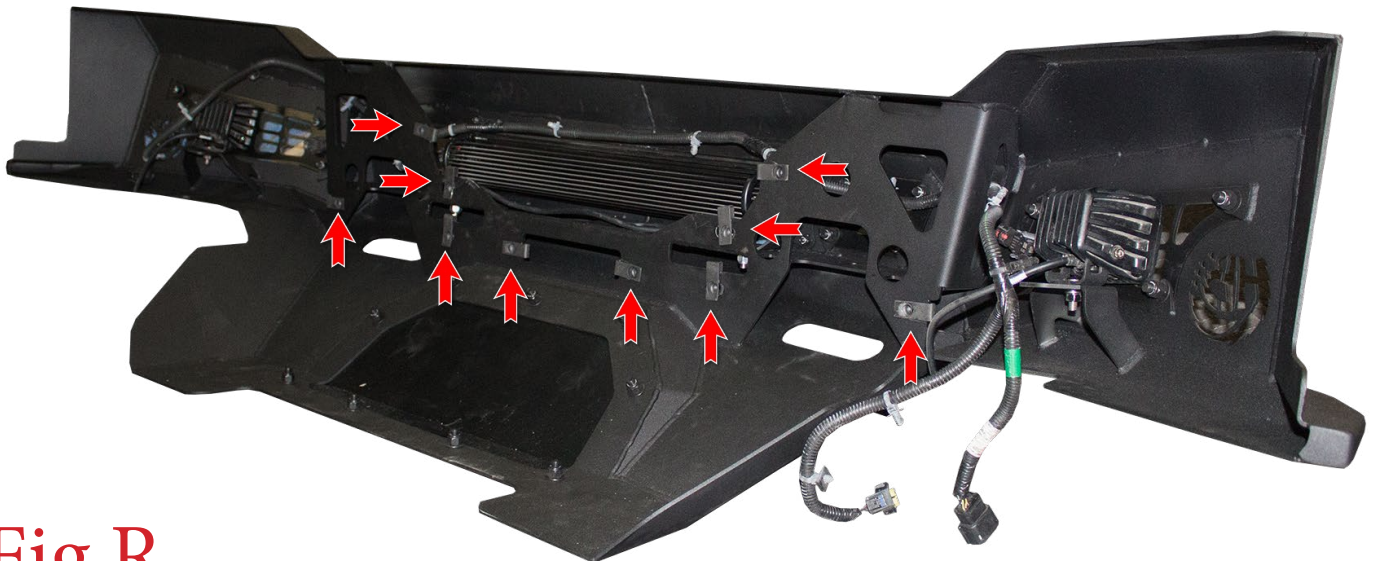


Fig R



19. Find the supplied Lower Bumper Mounting Brackets. Set those in place on your bumper, lining the mounting holes on the bottom side of the brackets up with the mounting holes on the bottom side of the bumper's skid plate. Use the supplied 3/8" Black Button Head Bolts (x4), 3/8" Black Washers (x4), and 3/8" Black Lock Nuts (x4) to secure the brackets to the bumper. Torque these bolts to 30 foot pounds. (Fig S)

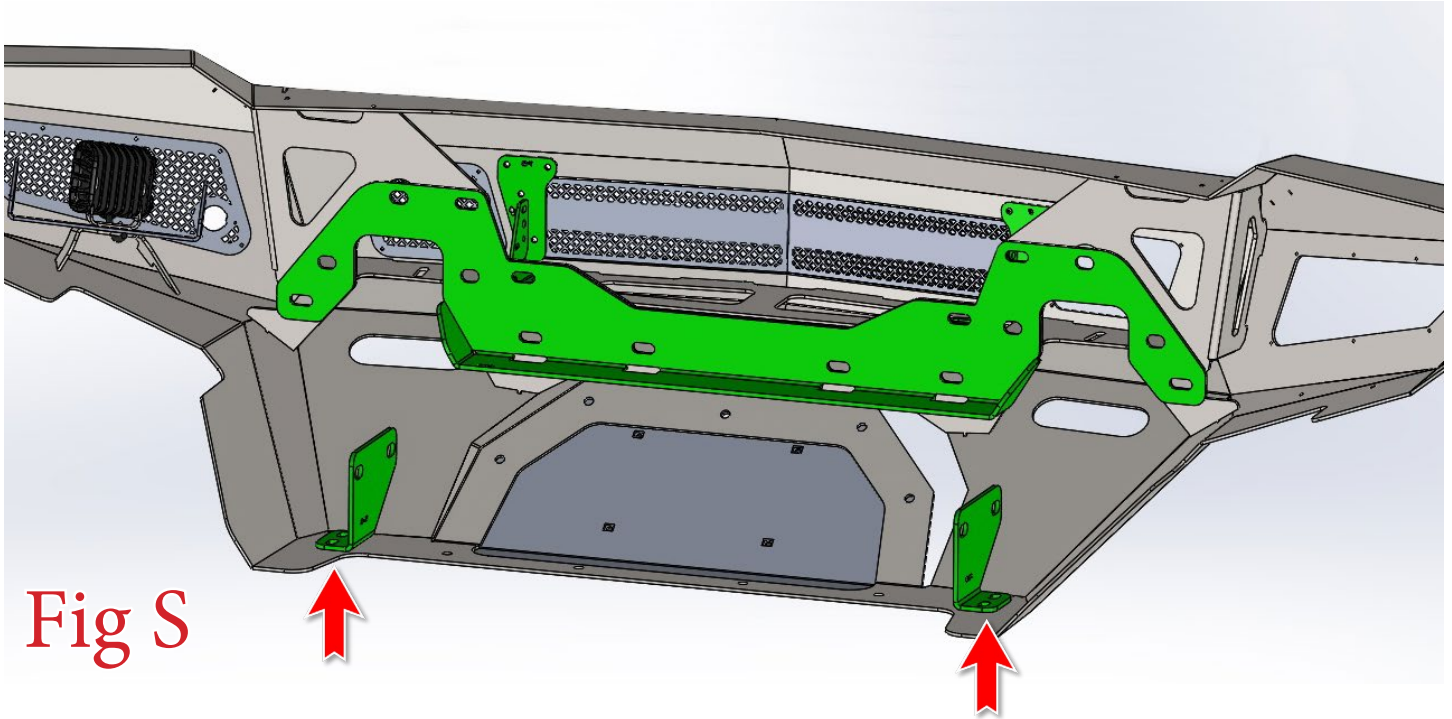


Fig S

20. Set the supplied Bumper Mounting Plate in place on the vehicle. Secure the plate to the vehicle using the supplied M10 Bolts (x6) and M10 Washers (x6). After all six bolts are installed, torque these bolts to 40 foot pounds. (Fig T)

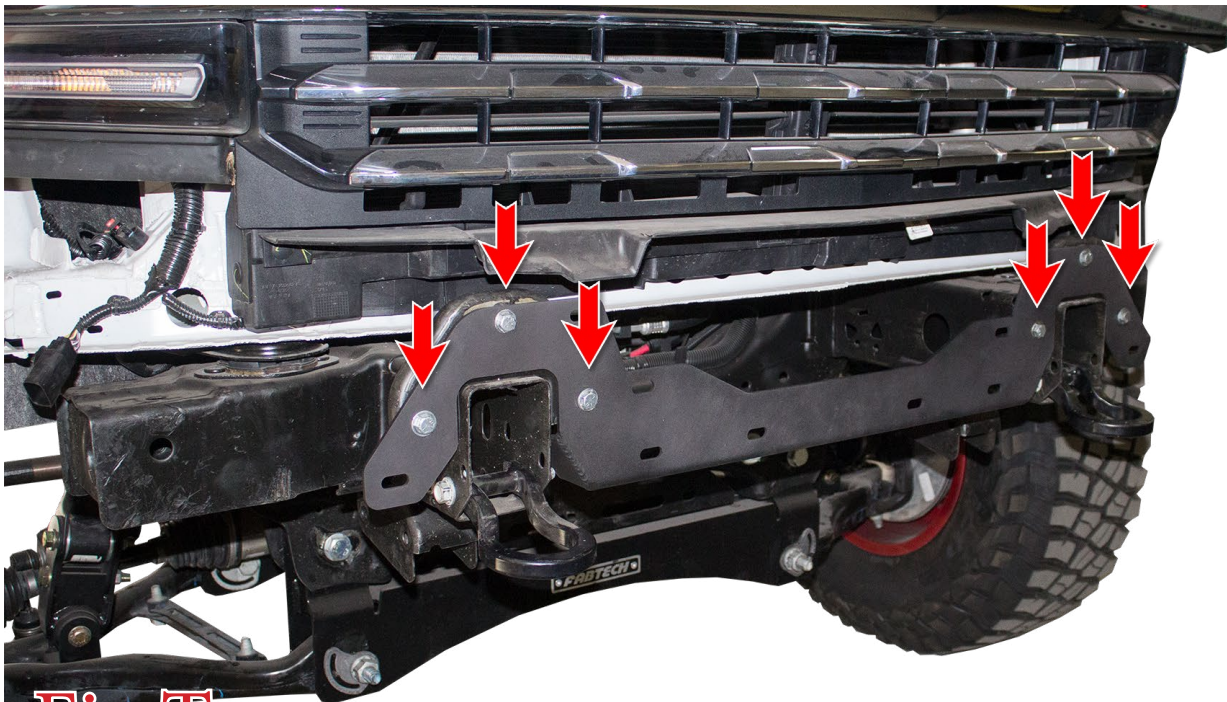


Fig T



21. Set the bumper in place on the vehicle. Install the supplied 3/8" Bolts (x10) and 3/8" Washers (x10) from the back side of the mounting holes on the bumper mounting plate. (Fig U)

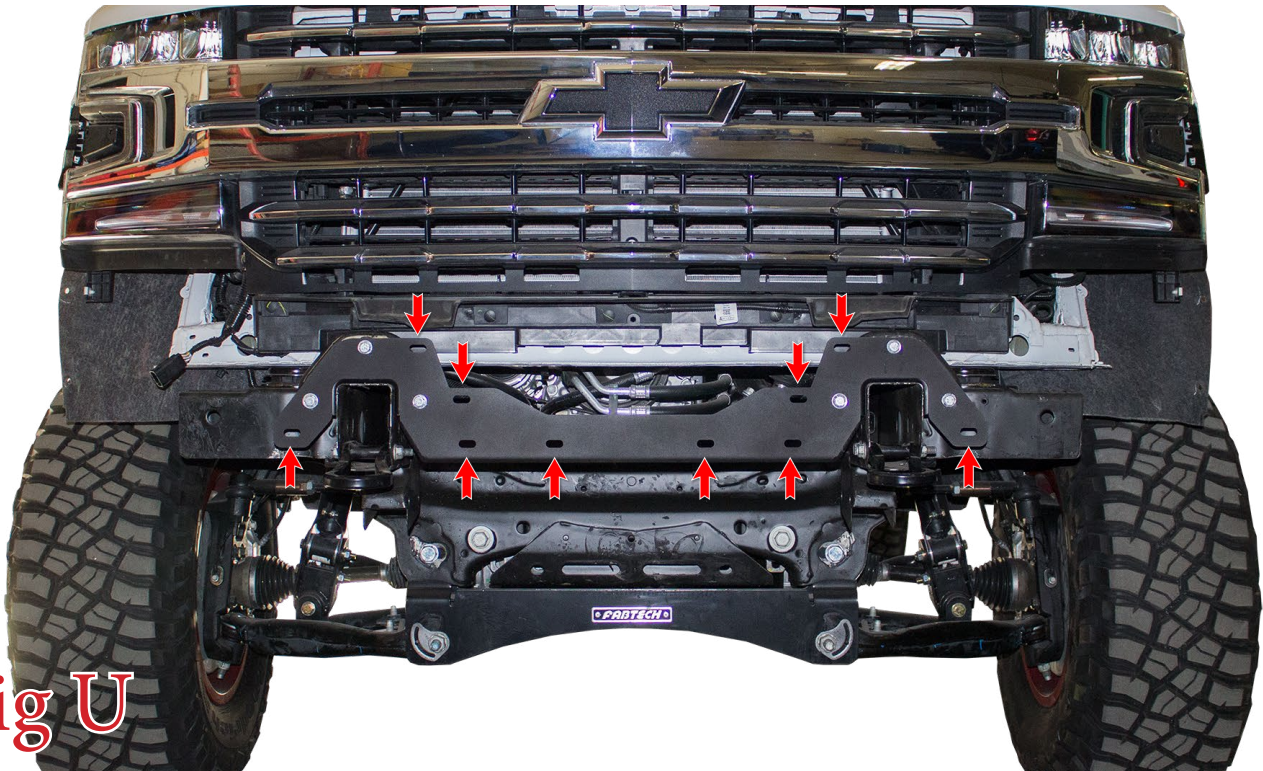


Fig U

22. Install the 1/2" Bolts (2 per side), 1/2" Washers (4 per side), and 1/2" Lock Nuts (2 per side) through the brackets on the vehicle's frame and the Lower Bumper Mounting Brackets as shown in (Fig V). Leave these bolts loose for now.

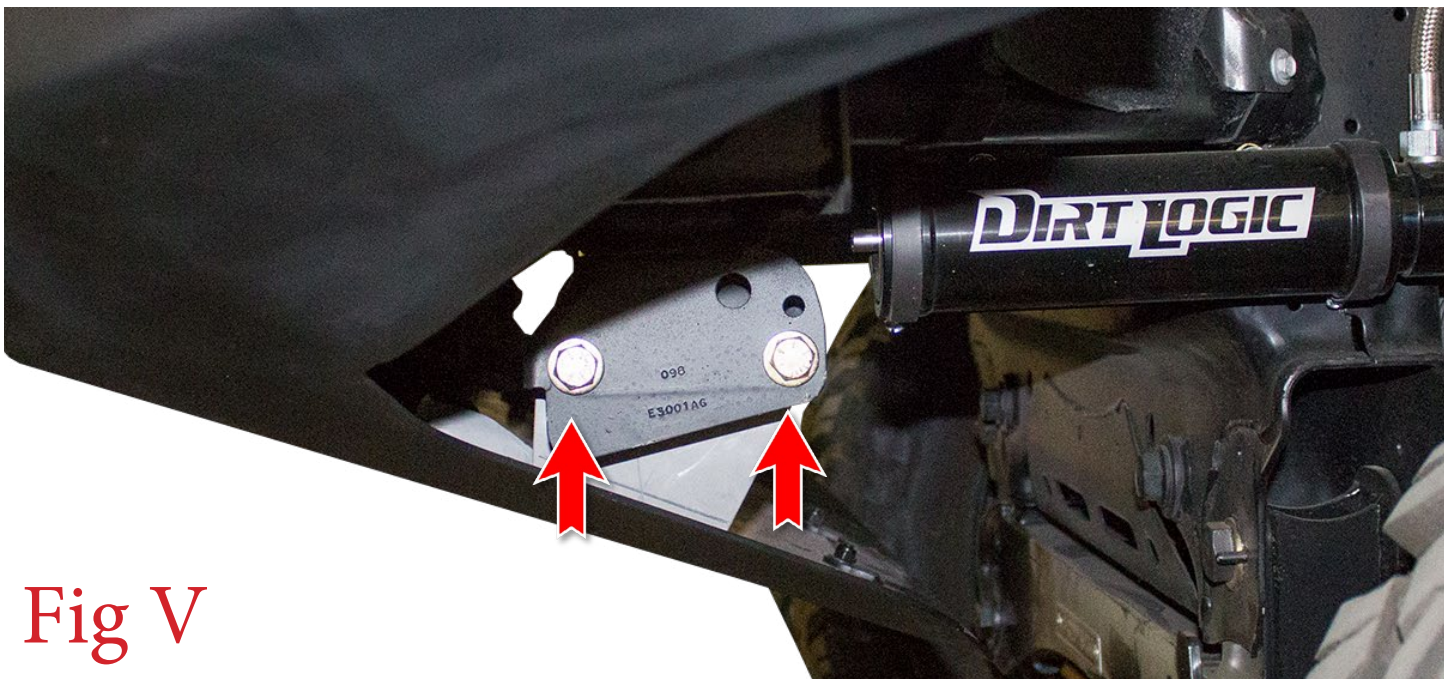


Fig V



23. Align your bumper so it sits straight in relation to the grille and is centered left to right. Then, go back and torque the 3/8" Mounting Bolts to 25 foot pounds. Torque the 1/2" Mounting Bolts to 90 foot pounds.
24. Using a utility knife or something similar, trim your inner fender liner to preference. (Fig W)

Before



After



Fig W

25. Plug in the connector from Step 5.
26. Stand back and enjoy your new ADD HoneyBadger™ Front Bumper.
27. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

