



## 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**

**\*\*This installation requires 2 people for best results\*\***

## You will need the following tools:

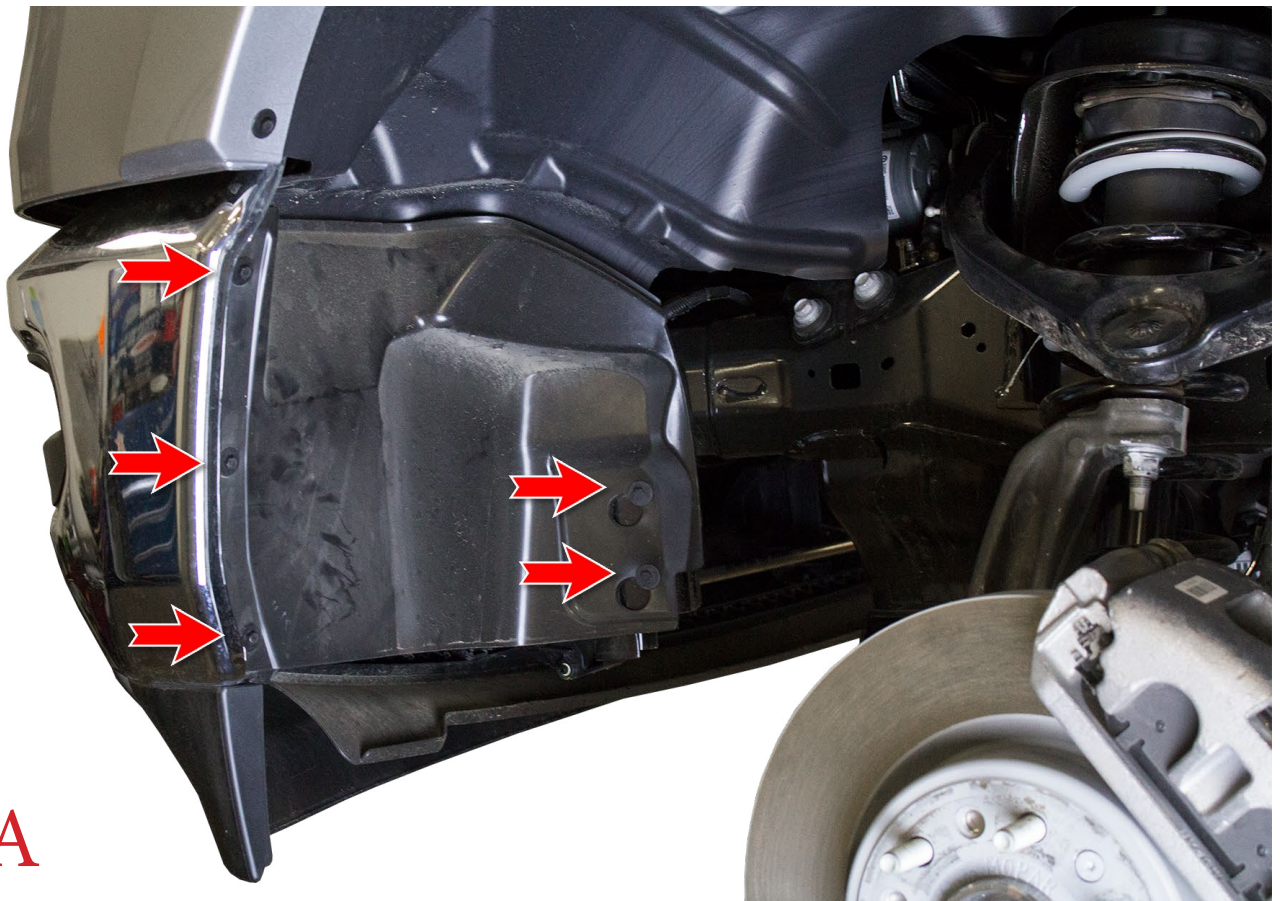
- |                |                  |                             |
|----------------|------------------|-----------------------------|
| - Ratchet      | - 8mm Socket     | - 10mm Socket               |
| - 12mm Socket  | - 17mm Socket    | - 18mm Socket               |
| - 9/16" Socket | - 3/4" Socket    | - 5/16" Allen Wrench/Socket |
| - Drill        | - 1/2" Drill Bit |                             |

## Included in Kit:

- |                                     |  |
|-------------------------------------|--|
| 4 - Hex Head Bolts (3/8"-16 x 1")   | 4 - Fender Washers (3/8")                |
| 4 - U-Nuts (3/8"-16)                | 2 - Button Head Bolts (1/2"-13 x 1 1/2") |
| 8 - Black Washers (1/2")            | 4 - Nylon Lock Nuts (1/2"-13)            |
| 2 - Hex Head Bolts (M10-1.5 x 30mm) | 2 - Flat Washers (M10)                   |

## Removal:

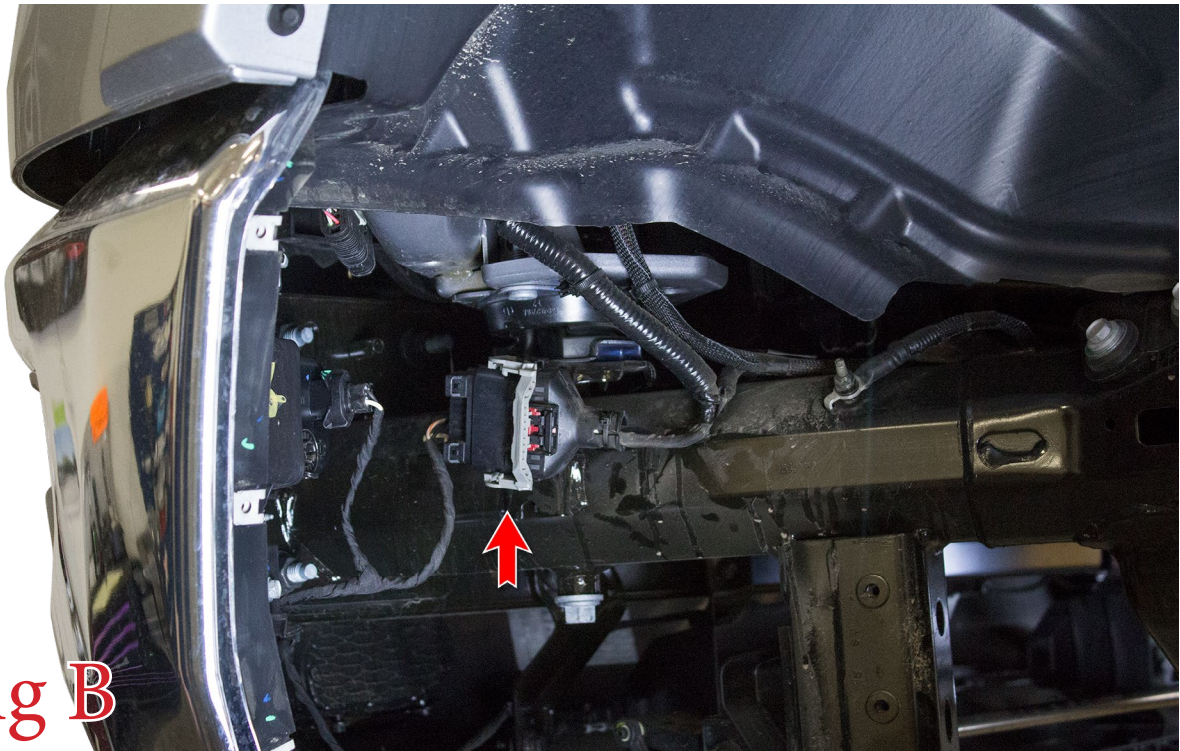
1. Using an 8mm Socket, remove the five bolts in the front portion of the wheel well. Then, remove the front section of the inner liner. Repeat this step on the other side of the vehicle. (Fig A)



**Fig A**

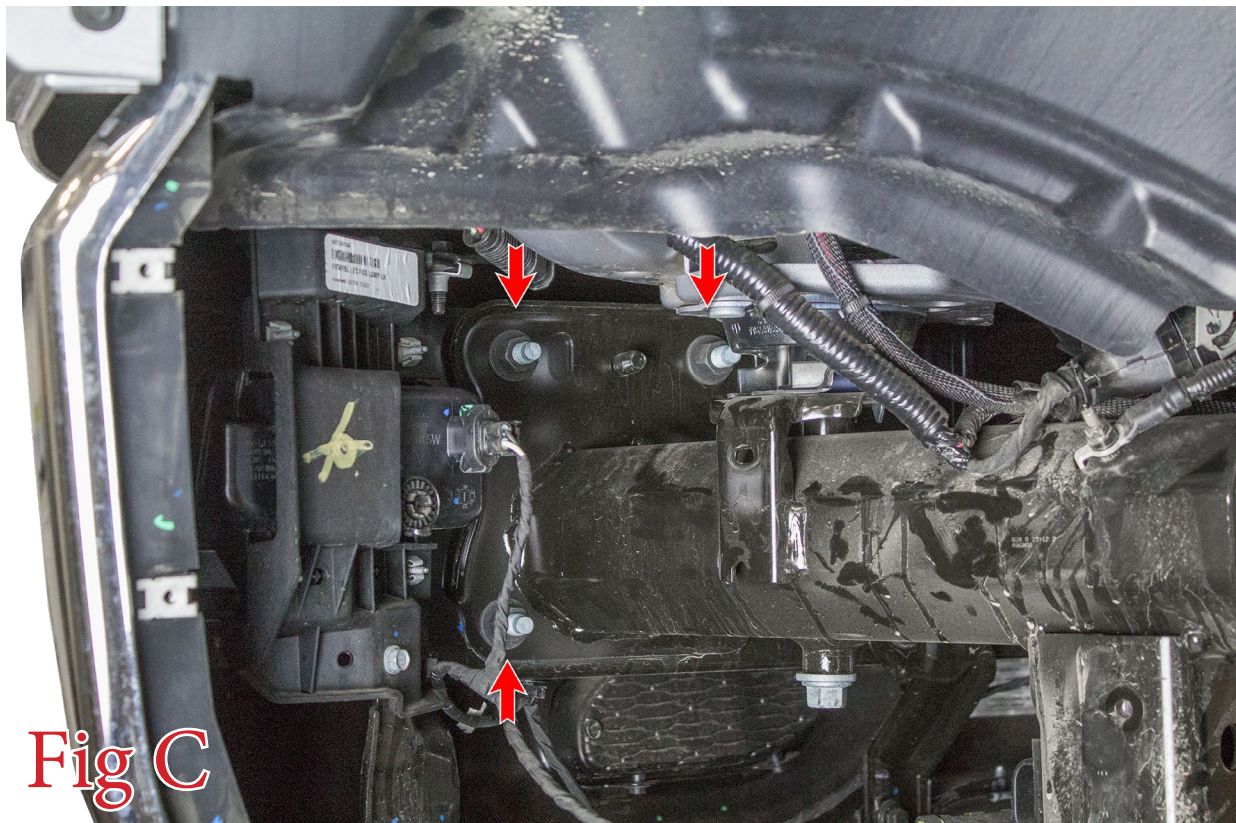


2. Disconnect the main bumper harness connector that was behind the inner fender liner piece you removed on the driver side of the truck. (Fig B)



**Fig B**

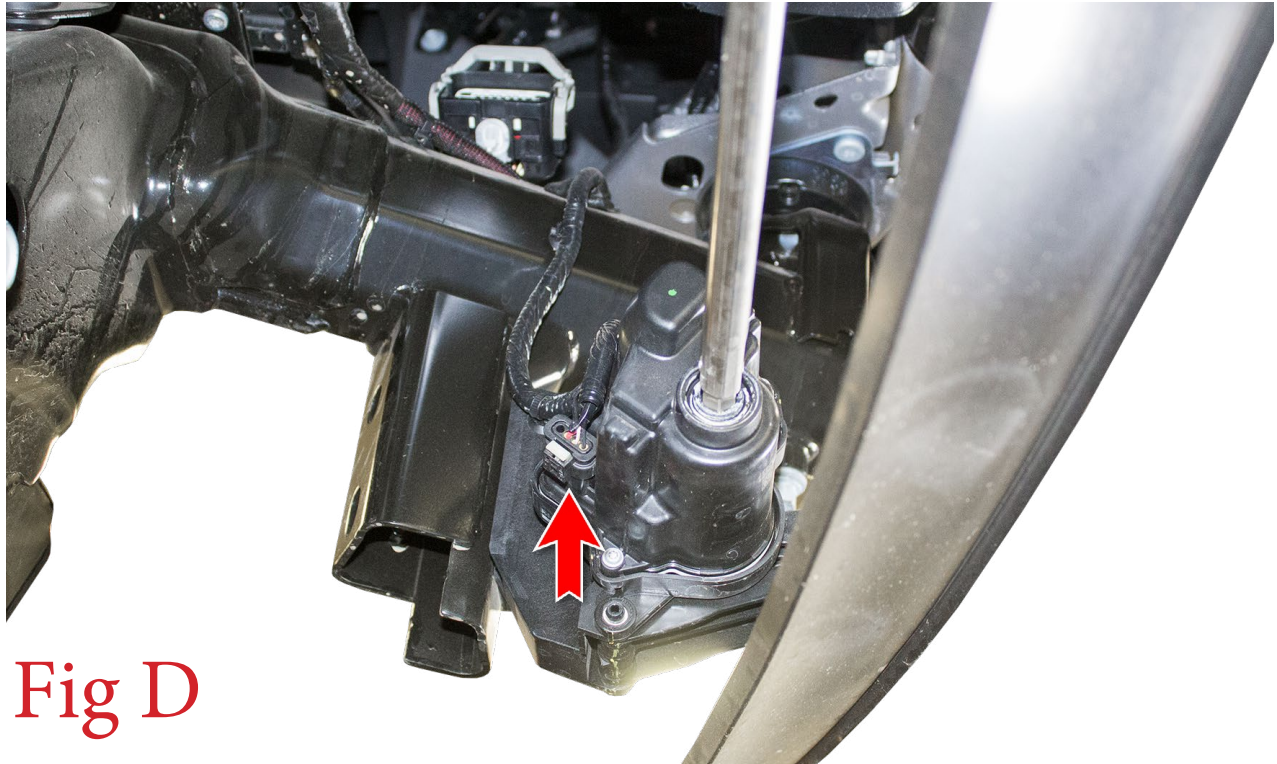
3. Using an 18mm Socket, remove the 3 bumper mounting nuts (per side). Then, remove the OEM Bumper from the vehicle. (Fig C)



**Fig C**

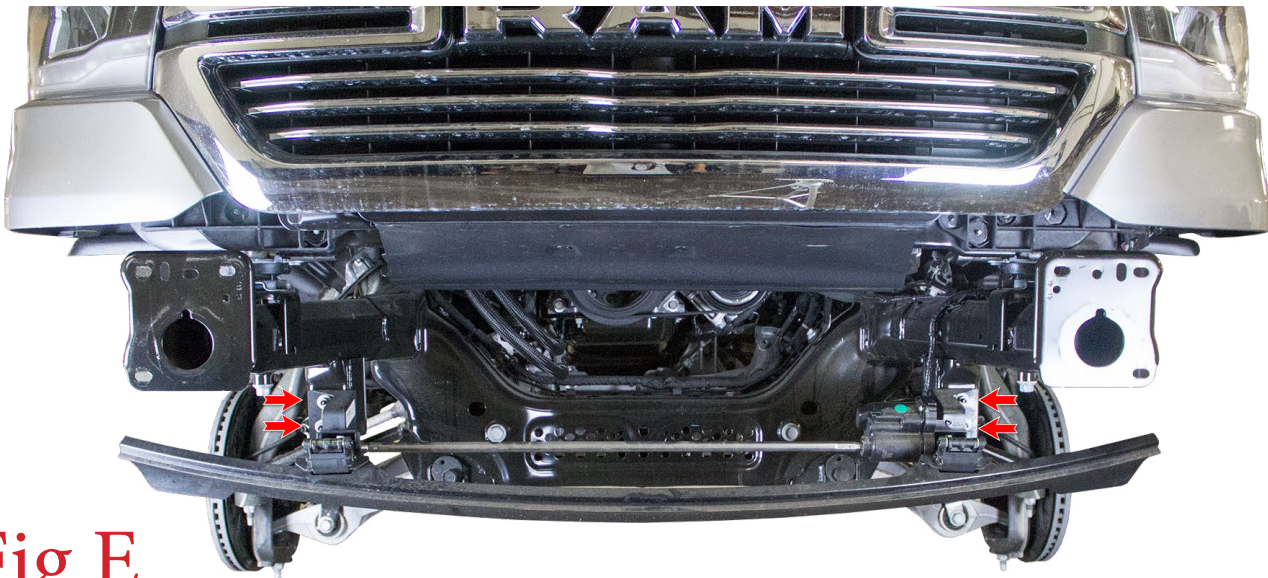


4. Unplug the connector on the back side of the air dam motor. (Fig D)



**Fig D**

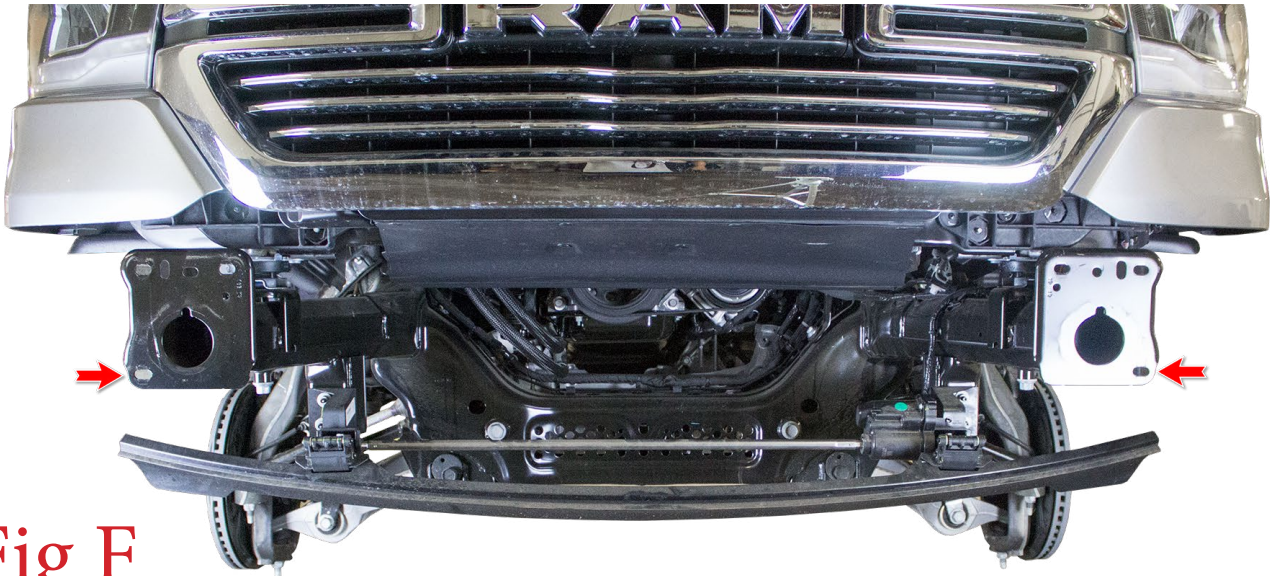
5. Using a 12mm Socket, remove the four mounting nuts that hold the air dam in place. Then, remove the air dam from the vehicle. (Fig E)



**Fig E**

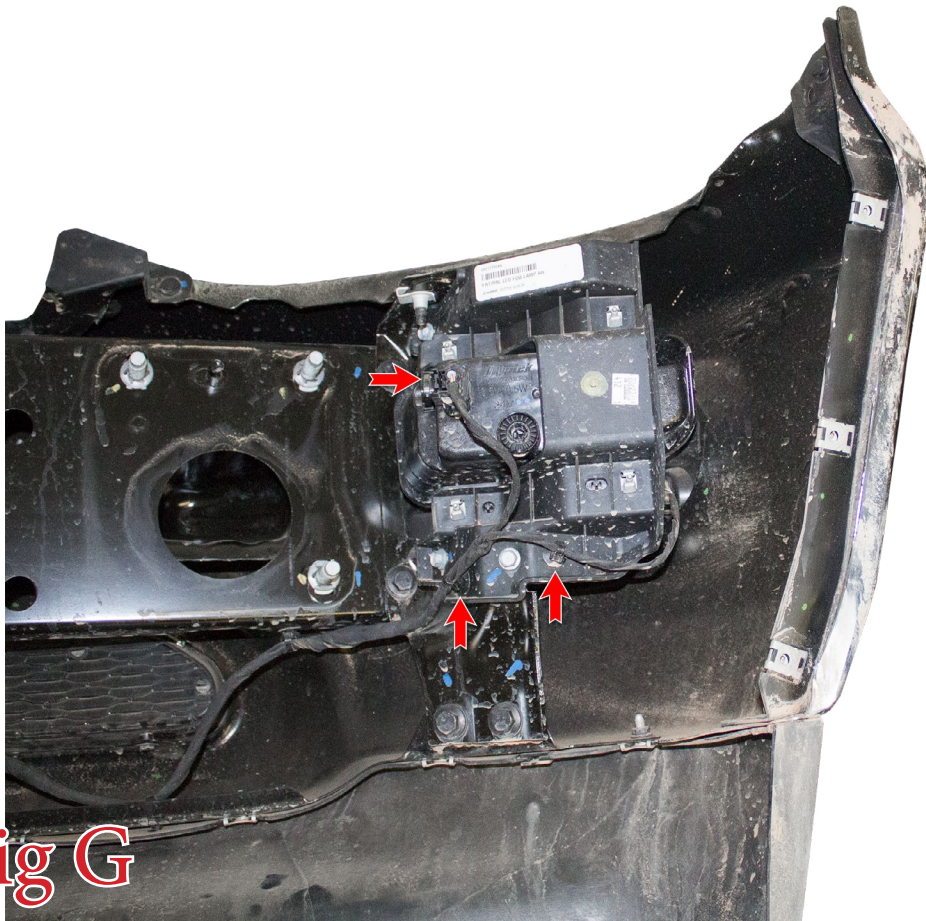


6. Using a Drill and a 1/2" Drill Bit, drill out the lower/outer holes on the vehicle's frame horns. (Fig F)



**Fig F**

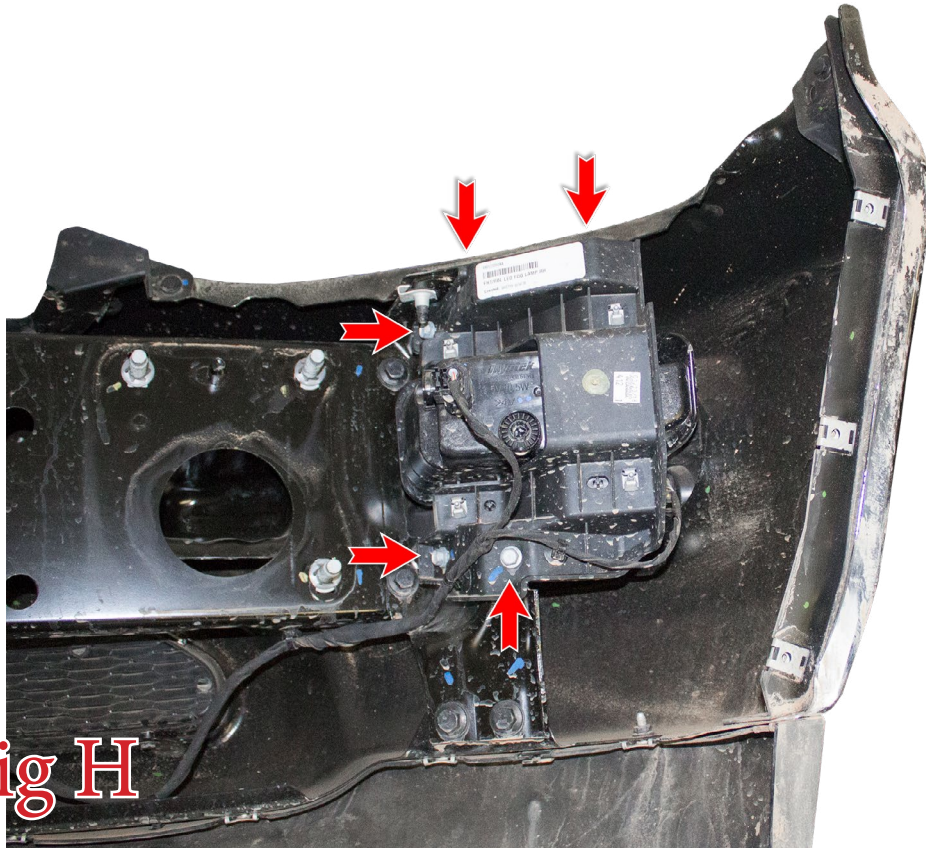
7. Unplug the connector on the backside of the fog lights. Then, release the plastic clips holding the bumper harness to the fog light assembly. (Fig G)



**Fig G**

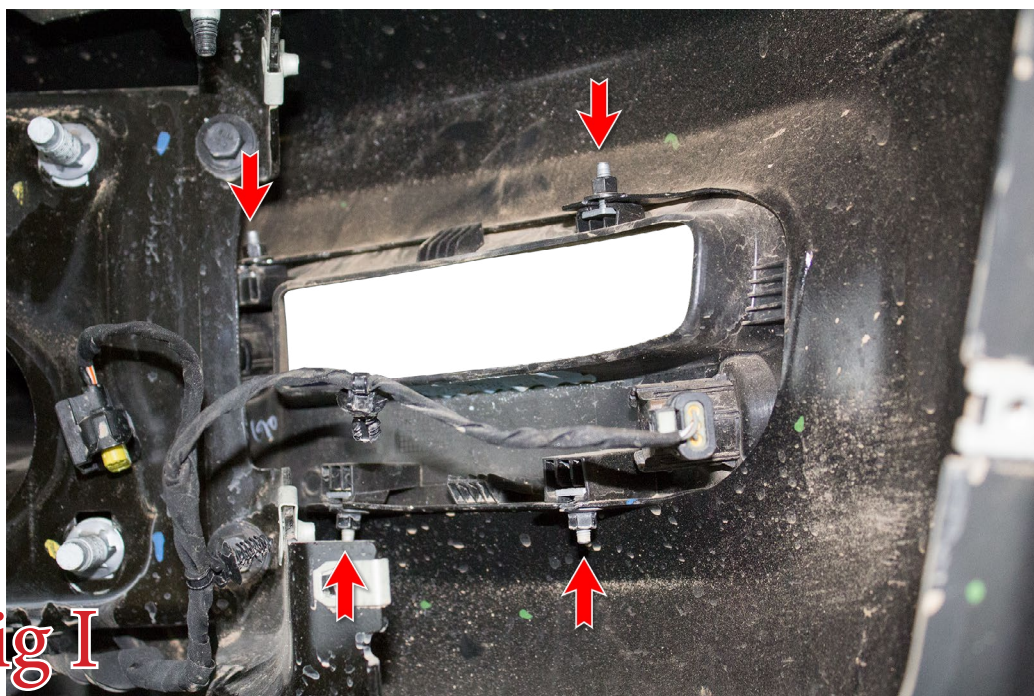


8. Using a 10mm Socket, remove the fog light assembly mounting bolts (5 per side). Then, remove the fog light assembly from the OEM Bumper. (Fig H)



**Fig H**

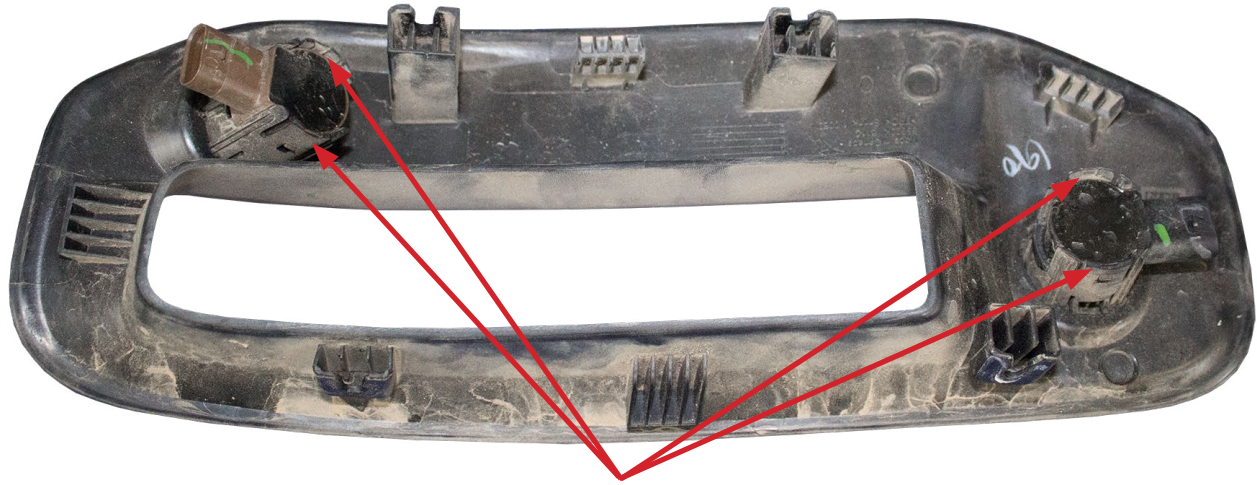
9. Using an 8mm Socket, remove the mounting nuts on the plastic trim piece that sits behind the fog light assembly (4 per side). Then, remove this trim piece from the bumper. (Fig I)



**Fig I**

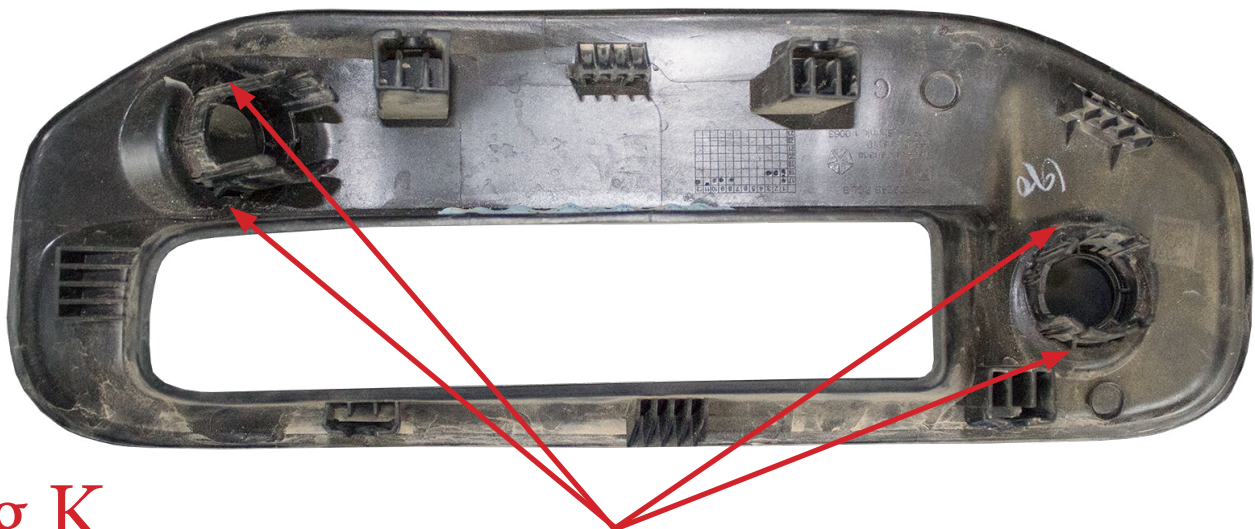


10. Remove the parking sensors from the plastic trim piece you just removed from the bumper. Do this by spreading the tabs on the back side of the parking sensor mounting rings. Keep track of the position/orientation they come off so you can install them on your new bumper in the same position/orientation. (Fig J)



**Fig J** Spread these tabs to release the parking sensors

11. Remove the parking sensor mounting rings from the plastic trim piece. Do this by squeezing in the two tabs on the back side of the mounting rings and pushing them out the front of the piece. Keep track of the position/orientation they come off so you can install them on your new bumper in the same position/orientation. (Fig K)



**Fig K** Squeeze these tabs to release the sensor mounting rings



12. Release the series of clips on top and bottom of the center plastic cover on the inside of the bumper. Then, remove this cover. (Fig L)



13. Remove the parking sensors and parking sensor mounting rings that were behind the plastic cover you removed in the last step. Keep track of the position/orientation they come off so you can install them on your new bumper in the same position/orientation.

14. Remove the rest of the plastic clips holding on the bumper harness. Then, remove the bumper wire harness from the OEM bumper. Keep track of the position/orientation they come off so you can install them on your new bumper in the same position/orientation.

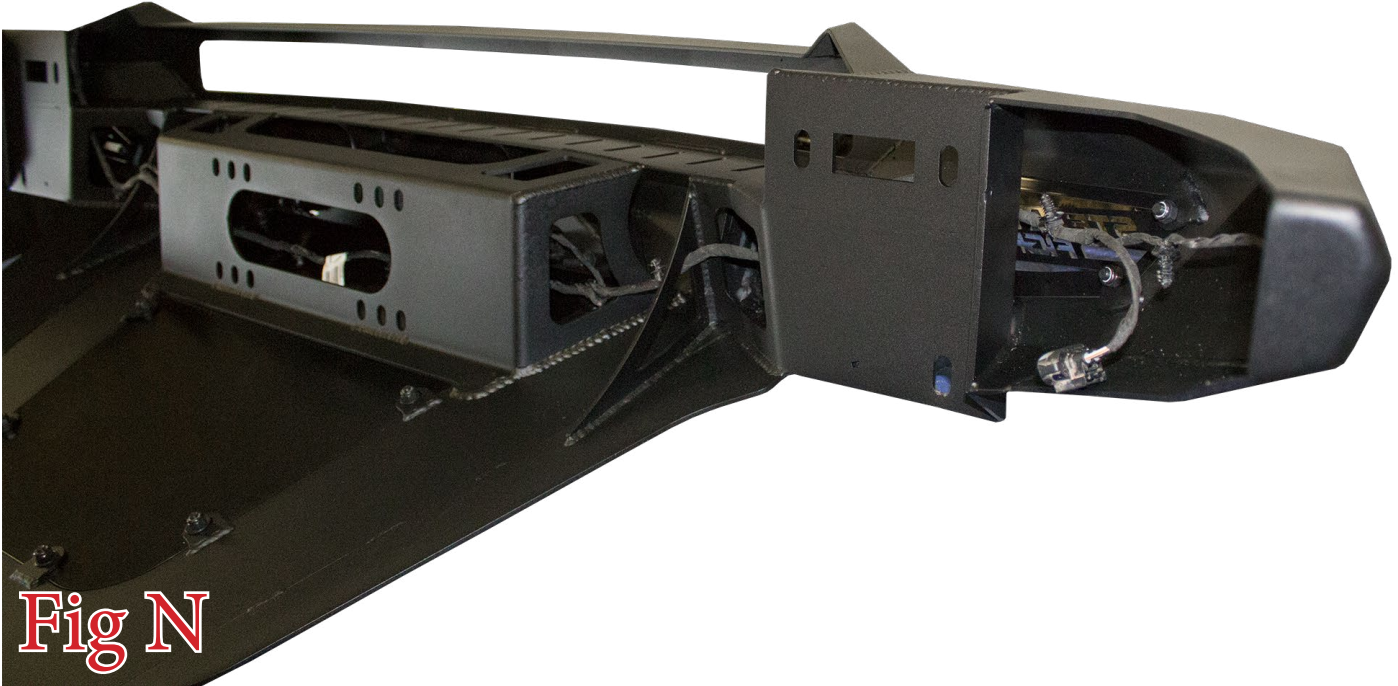
### Installation:

15. Install the parking sensors into your new bumper by first pressing the mounting rings into their precut holes from the front side until it clicks into place. Then, push the sensor into the mounting ring from the back side until it clicks into place. Make sure the install the sensors in the same position/orientation as they came off the OEM bumper. (Fig M)



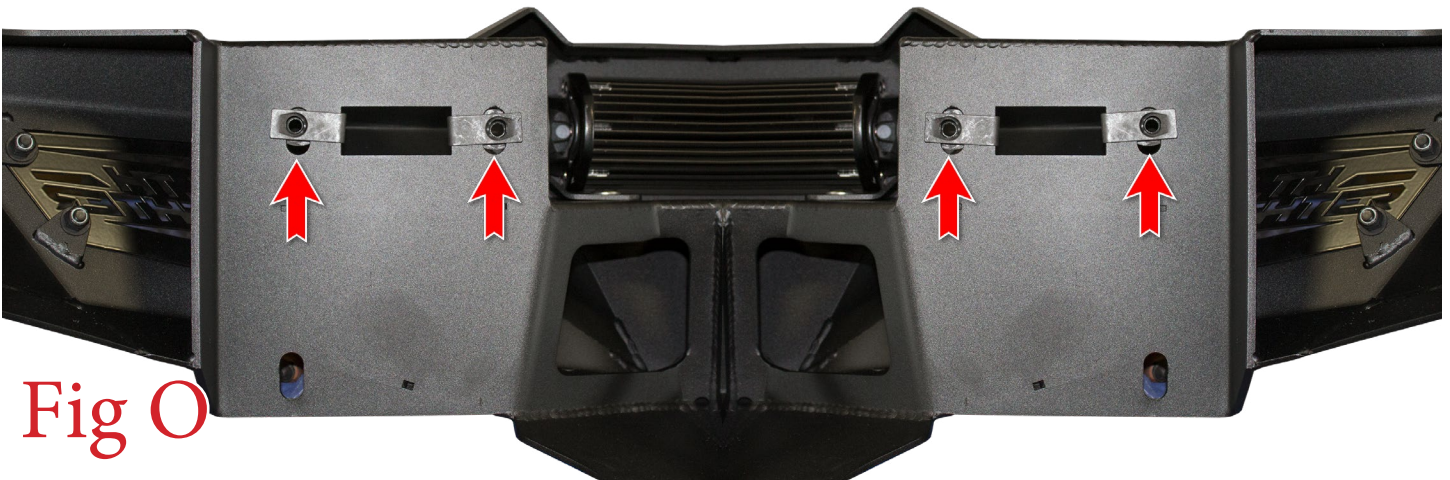


16. Install the wire harness onto the bumper as shown in (Fig N).



17. If you have a light or winch to install in your bumper, now is a good time to do so. To install the light, follow our Universal Light Mount Kit installation guide for mounting information, but follow the light manufacturer's guide for wiring information. For winch installation, follow the manufacturer's guide for mounting and wiring information.

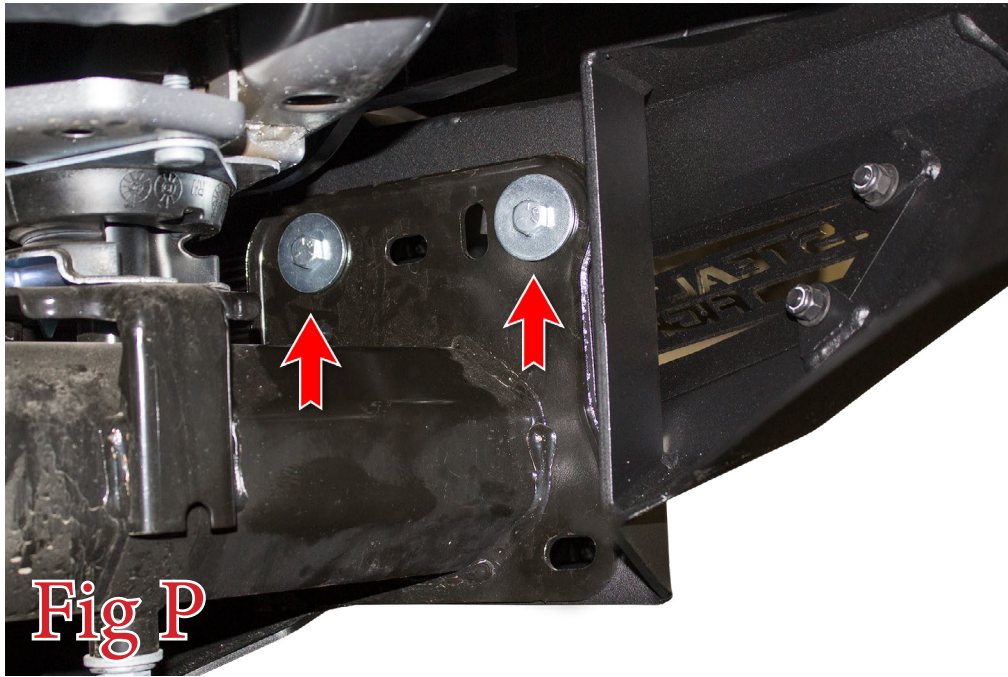
18. Install the supplied U-Nuts (x4) onto the bumper as shown in (Fig O).



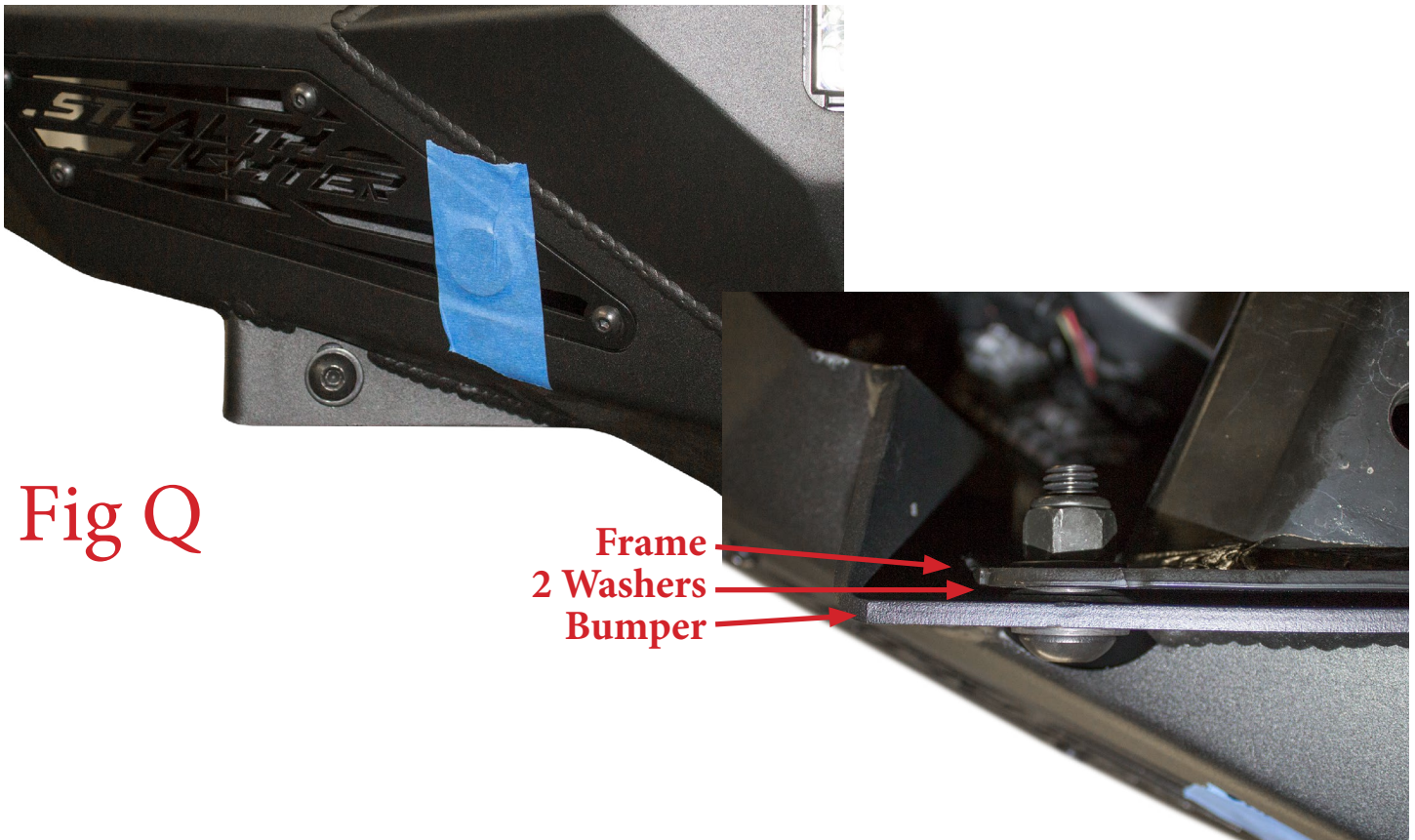




19. Set the bumper in place on the vehicle. Loosely secure it to the vehicle using the supplied 3/8" Bolts (x4) and 3/8" Fender Washers (x4). Leave these bolts loose for now. (Fig P)

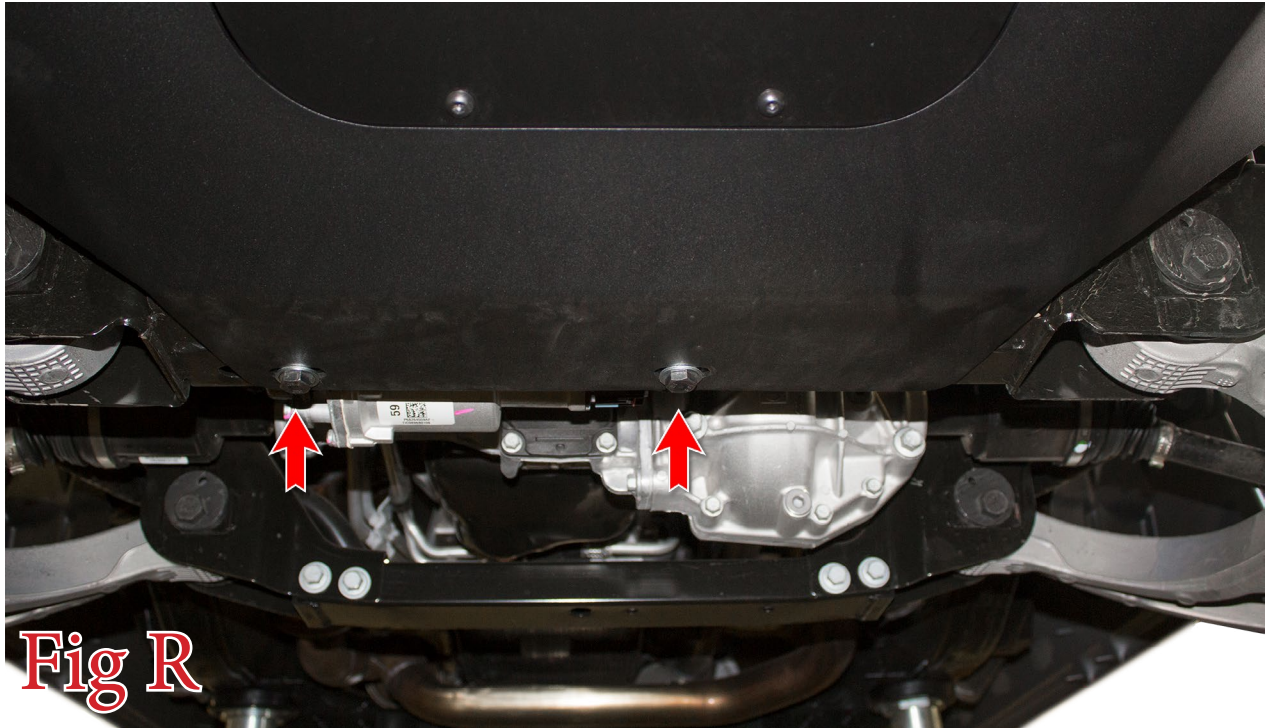


20. Use the supplied 1/2" Black Bolts (x2), 1/2" Washers (x4), and 1/2" Nuts (x2) in the lower/outer mounting hole on the truck's frame horns. When installing this bolt, use 2 additional washers (per side) between the bumper and frame horn. (Fig Q)





21. Install the supplied M10 Bolts (x2) and M10 Washers (x2) into the skid plate mounting holes. Leave these bolts loose for now. (Fig R)



- 22. Align the bumper so that it sits straight in relation to the grille/valance and is centered left to right. Then, torque the 3/8" Mounting Bolts to 25 foot pounds. Torque the 1/2" Mounting Bolts to 70 foot pounds. Torque the M10 Mounting Bolts to 30 foot pounds.
- 23. Reconnect the connector from Step 2.
- 24. Stand back and enjoy your new ADD Stealth Fighter™ Front Bumper.
- 25. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

