

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.
- When button head bolts are being used, install the supplied washer on the nut side. Then, hold the bolt stationary and only turn the nut to tighten. Do not turn the bolt to tighten hardware assembly, unless otherwise noted.
- Estimated Installation Time: **3 Hours for OEM Removal/Bumper Installation**

1 Additional Hour to Wire Center Light

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 | - 12mm Socket |
| - 14mm Socket | - 17mm Socket | - 7/32" Allen Wrench/Socket |
| - 9/16" Wrench | - Cutoff Wheel | - Measuring Tape |

Included in Kit:

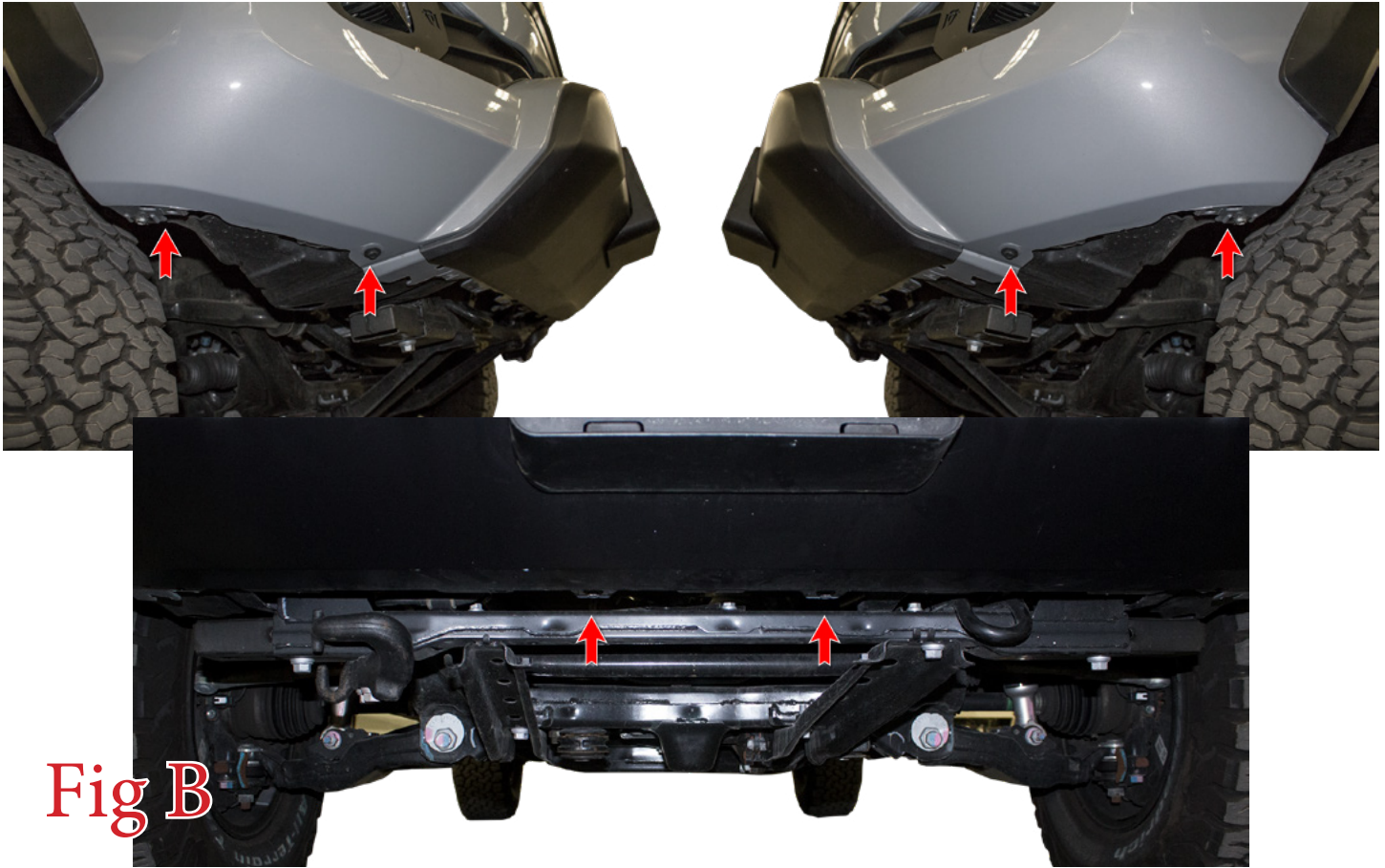
- | | |
|-------------------------------|------------------------------------|
| 1 - Universal Light Mount Kit | 1 - Button Head Bolt (3/8-16 x 1") |
| 1 - Flat Washer (3/8") | 1 - Nylon Lock Nut (3/8"-16) |

Removal:

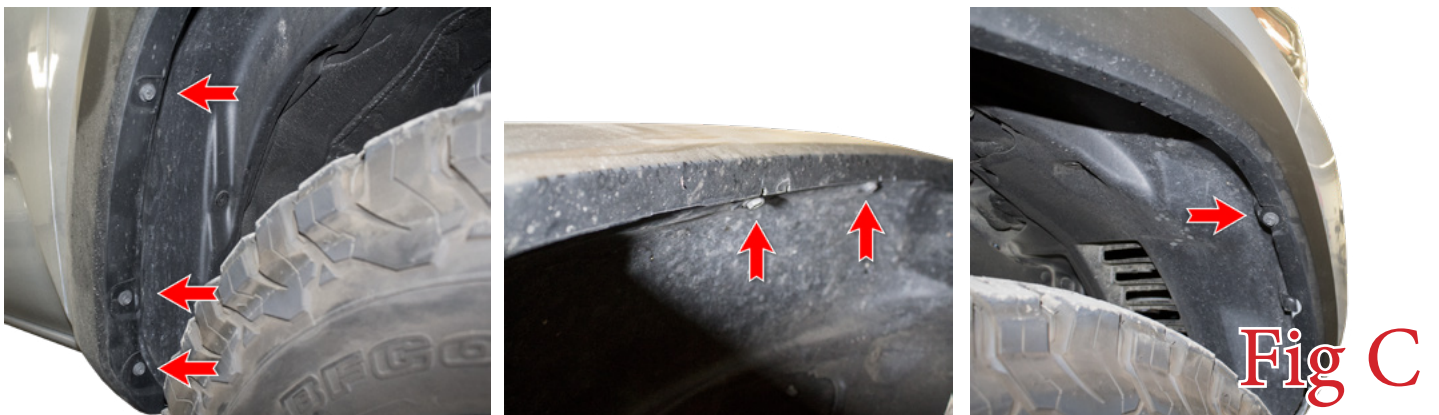
1. From underneath the truck, unplug the connector on the back side of your fog lights.
2. Using a 17mm and a 12mm Socket, remove your skid plate mounting bolts (x6), then remove the skid plate. (Fig A) (Different trim level trucks may have different skid plates)



3. Using a 10mm Socket, remove the lower Bumper Bolts (x6). (Fig B)



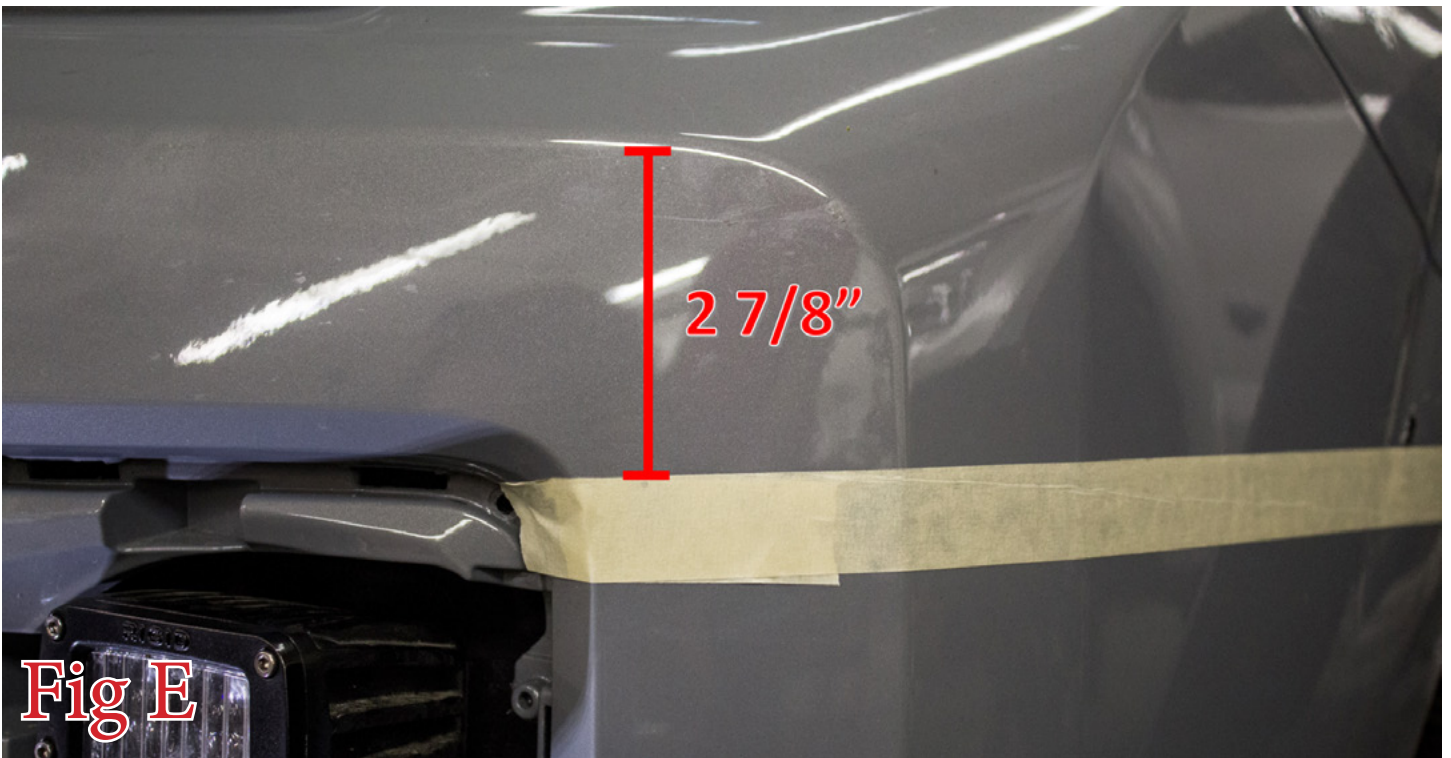
4. If your vehicle has fender flares, use a 10mm Socket to remove the fender flare bolts along the inside of your wheel well (6 per side). (Fig C)



5. Release enough of the plastic clips holding your fender flare on to be able to pull it back out of your way. You may remove this flare completely if you desire, but it is not necessary. (Fig D)



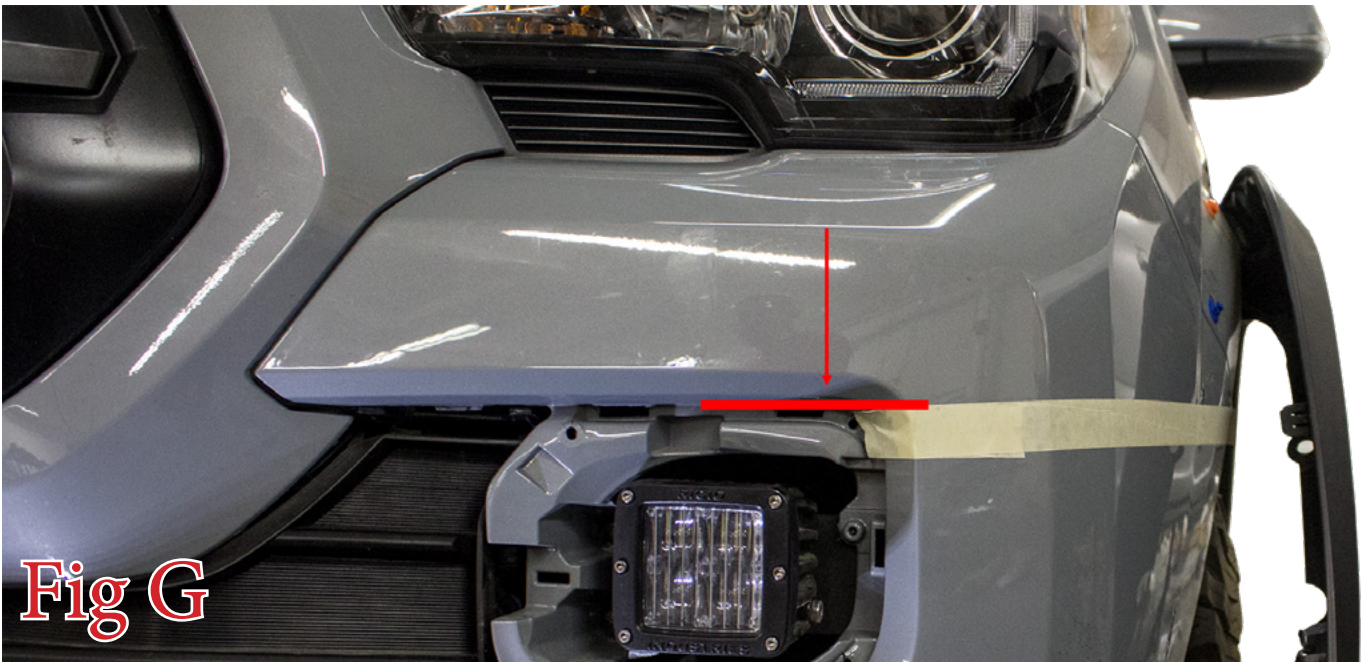
6. The next few steps will cover how to measure and cut your OEM bumper. First, follow the bodyline just above your fog light. Measure from the bottom of the radius of this bodyline 2 7/8" downwards. (Fig E)



7. Find the union between the fender and the bumper. (Fig F)



8. Follow the body line at the top of the fog light pocket. (Fig G)



9. Join these three points together to form a line. (Fig H)



10. When you cut this line, leave between 1/2"-1" of material to ensure you do not cut off too much material. (Fig I)



11. Repeat Steps 6-10 on the other side of the vehicle. Then, pull the OEM bumper off the vehicle. Release the series of plastic clips holding the black plastic insert onto the grille as you pull the bumper off so that it will come off with the bumper. (Fig J)



Fig J

12. Remove the black plastic impact damper by releasing its plastic clips and pulling it off the vehicle. (Fig K)



Fig K

13. Using a 14mm Socket, remove the aluminum bumper mounting bolts (x6). Then, remove the aluminum bumper. (Fig L)

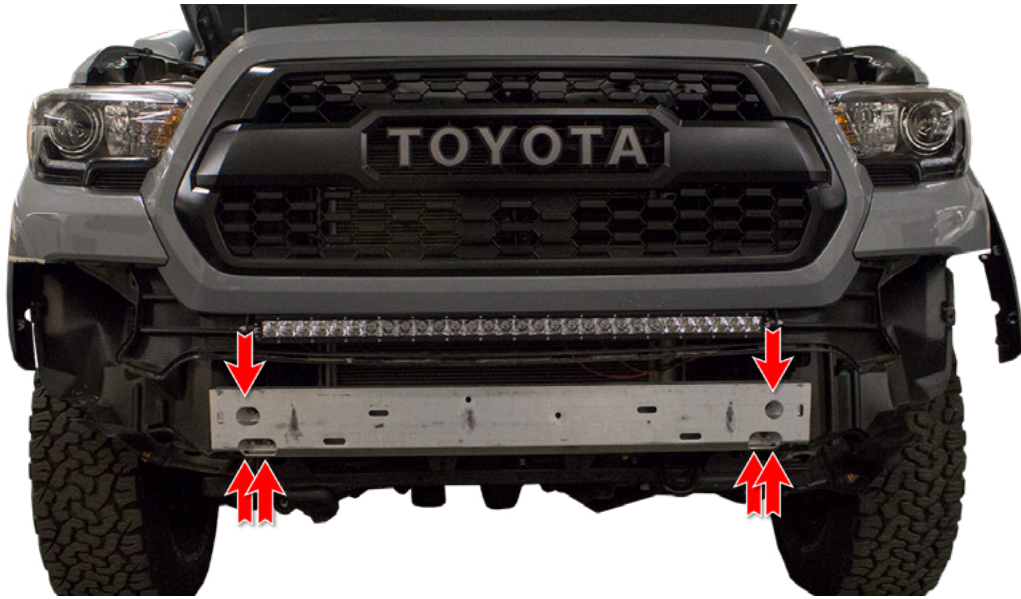


Fig L

14. Using a 14mm Socket, remove the bumper bracket mounting nuts (x6). Then, remove the bumper mounting brackets. **Save these nuts for reuse.** (Fig M)

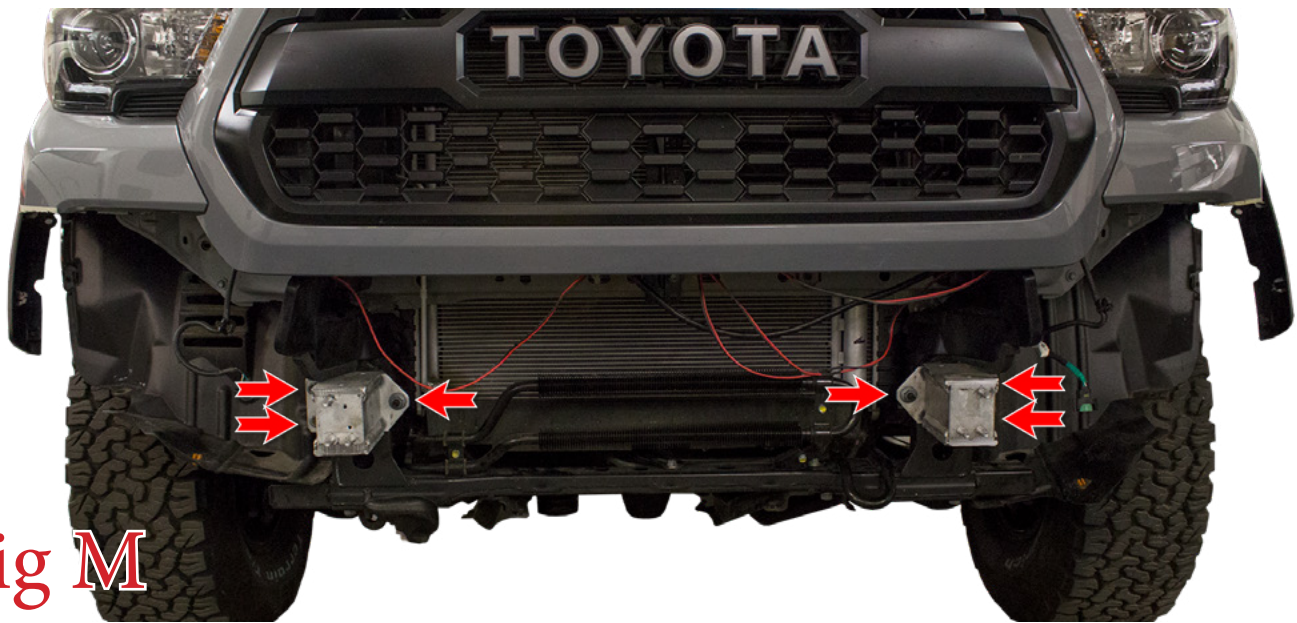


Fig M

15. Using a 17mm Socket, remove the passenger side tow hook mounting bolts (x2). Then, remove the tow hook. (Fig N)

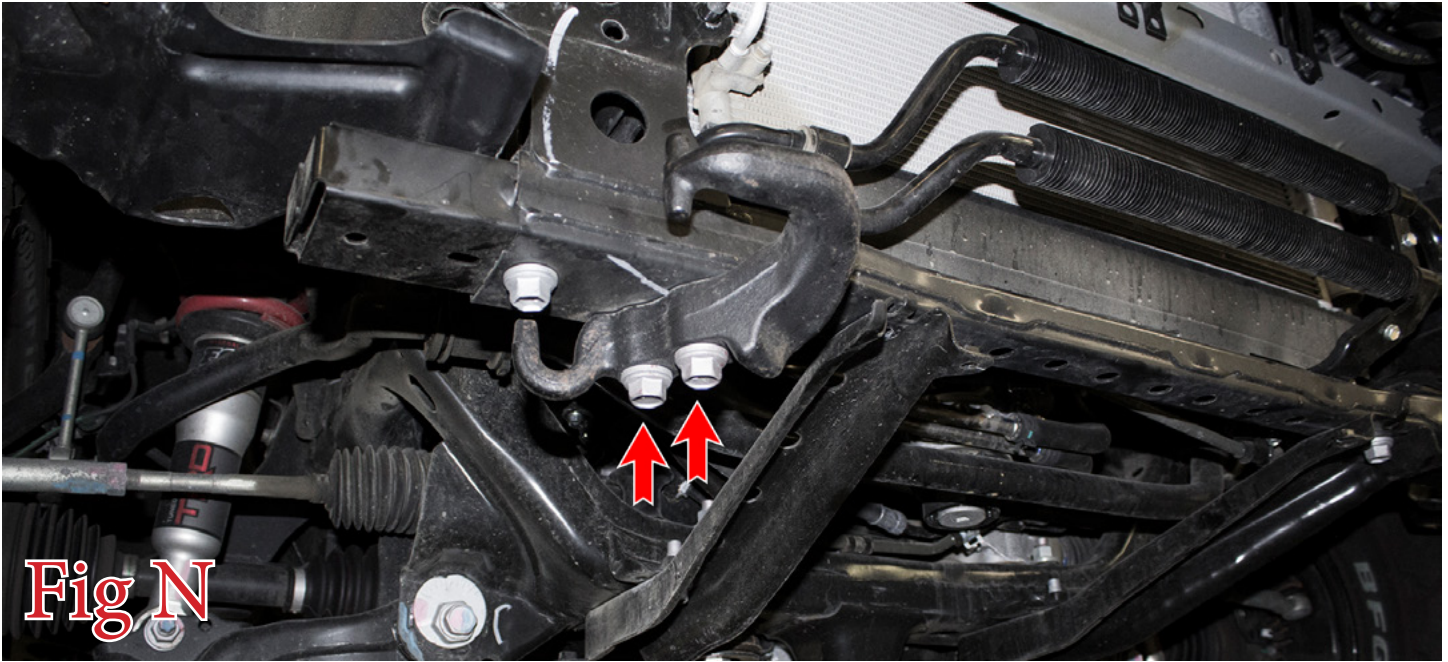


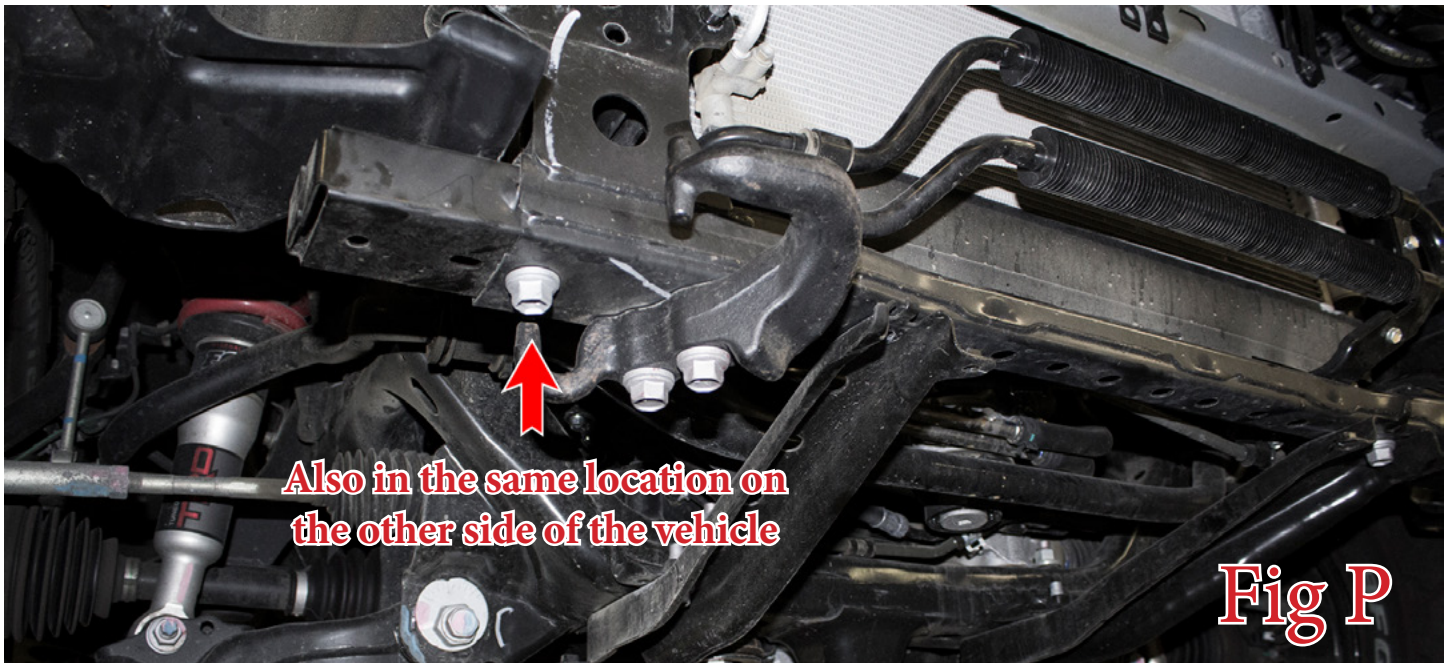
Fig N

16. Using a 17mm Socket, remove the lower cross member mounting bolts (x4). Then, remove these cross members. (Fig O)

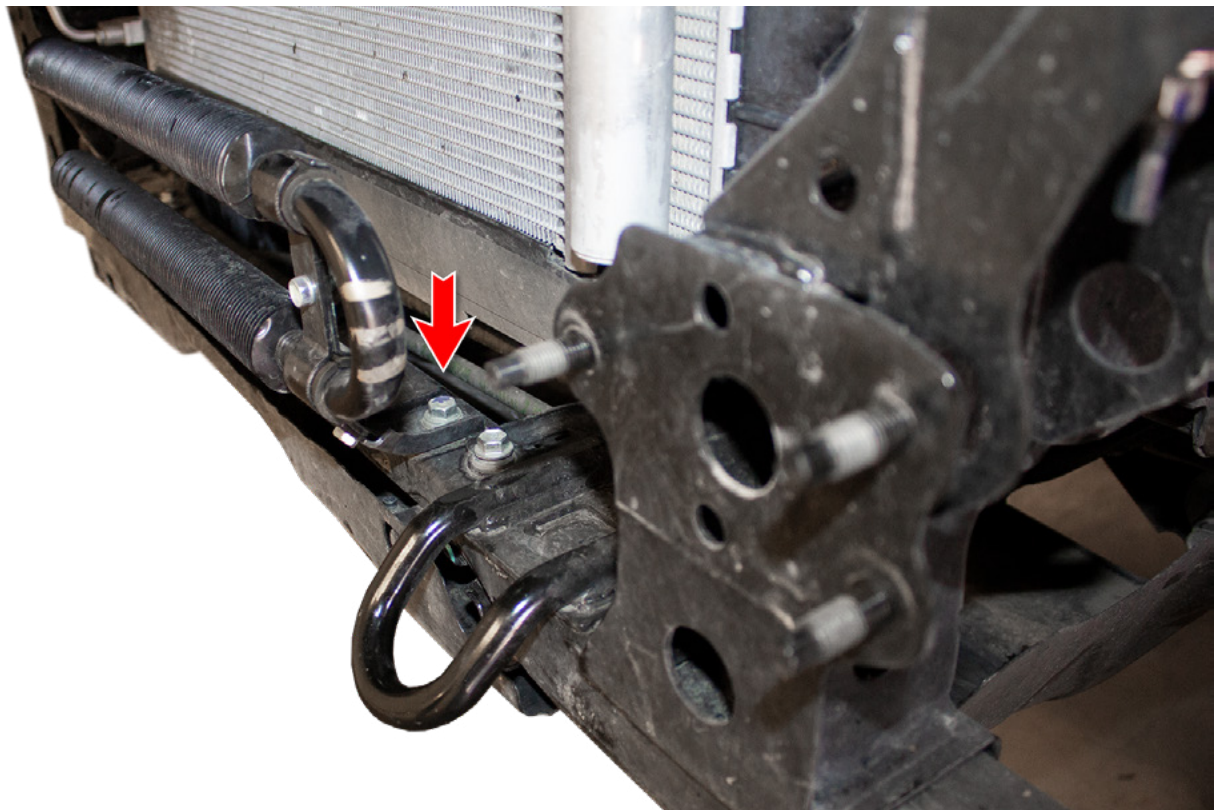


Fig O

17. Using a 17mm Socket, remove the frame extension mounting bolts (1 per side). Then, remove the frame extensions. (Fig P)



18. Using a 12mm Socket, remove the driver side bolt for the power steering cooler. (Fig Q) **Save this bolt for reuse.**



19. Using a 12mm Socket or Wrench, remove the passenger side power steering cooler bolt. (Fig R) **Save this bolt for reuse.**

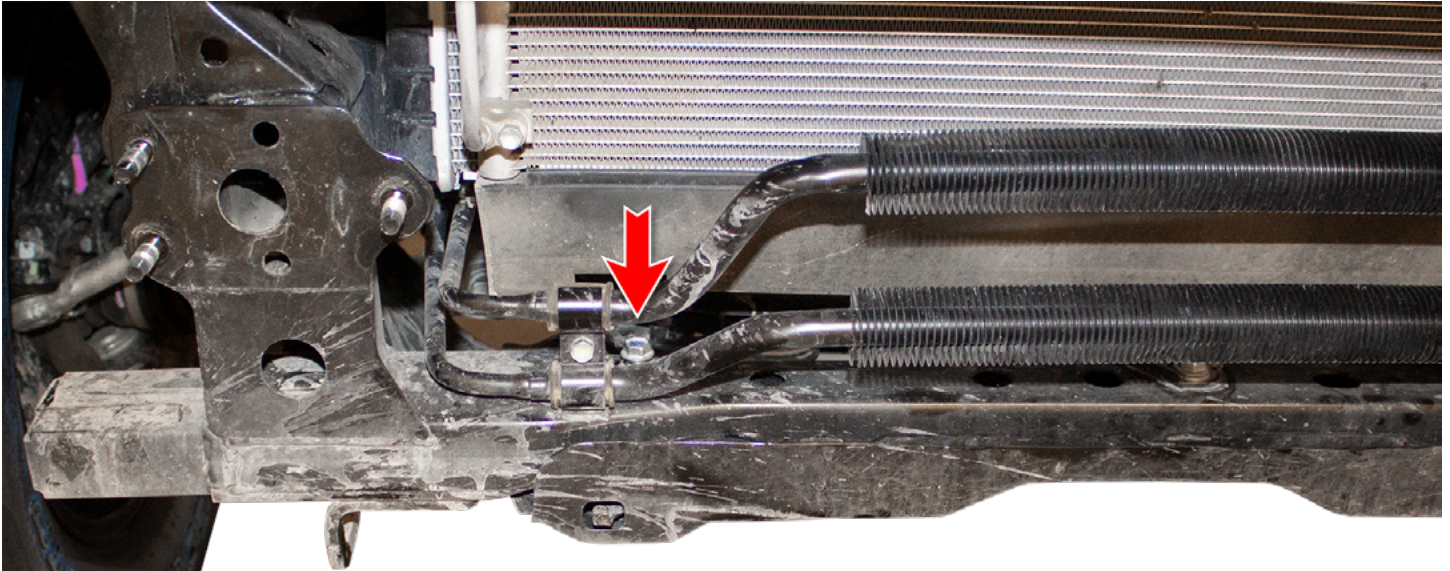


Fig R

20. Using a utility knife or a cutoff wheel, cut your inner fender liner as shown in (Fig S).

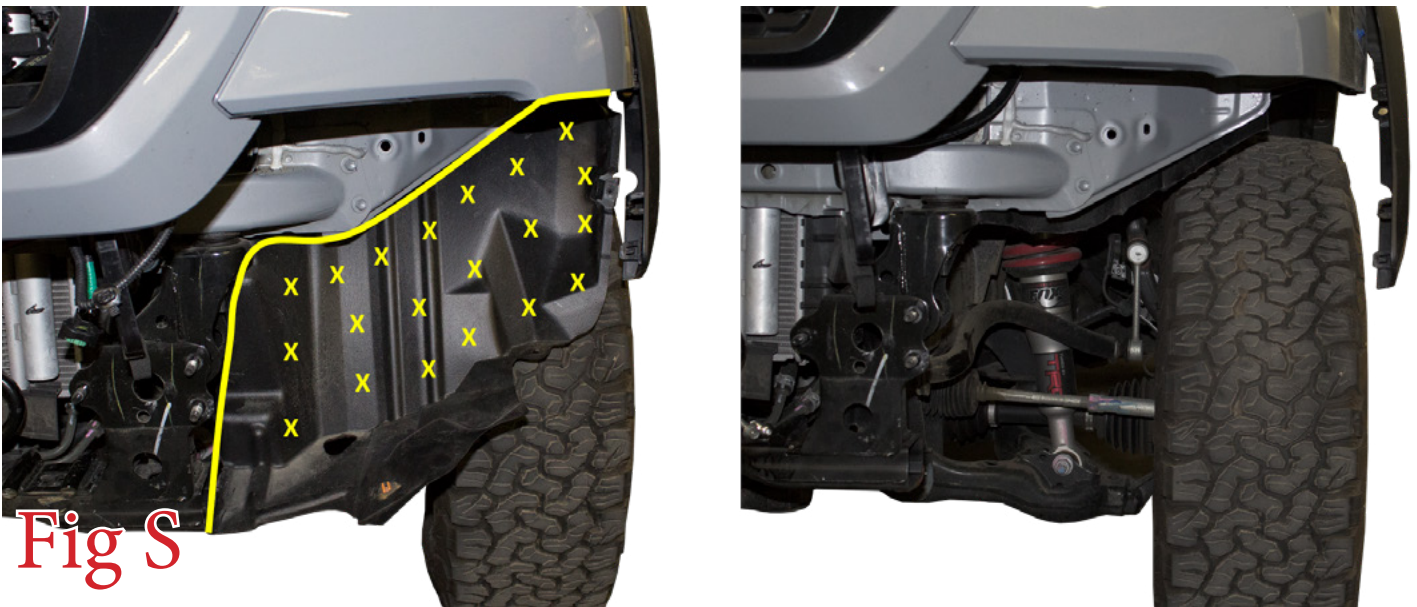
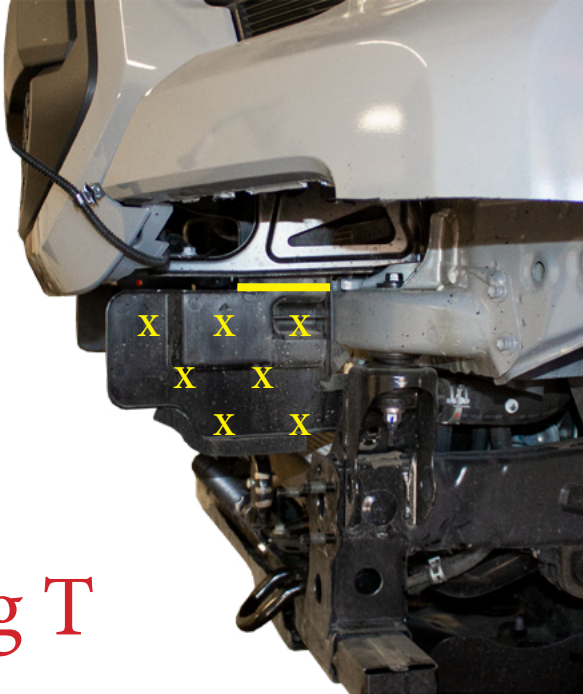


Fig S

21. Use a utility knife (or something similar) to trim the two black plastic pieces just above the vehicle's frame horns as shown in (Fig T).

Before



After



Fig T

Installation:

22. If you have lights to install, now is a good time to do so. For light mounting/wiring information, refer to the light manufacturer's installation guide.
23. Set the bumper in place on your truck to measure and cut any final cuts you may have to make to your OEM bumper to get it to line up evenly with your new bumper (this is why we had you leave extra material when you made the initial cut). Also, cut the fender flare (if applicable) flush with the bumper cut you just made. (Fig T)



Fig U

24. Set the bumper in place and secure it using the nuts you removed in Step 14. Leave these nuts loose for now. (Fig U)

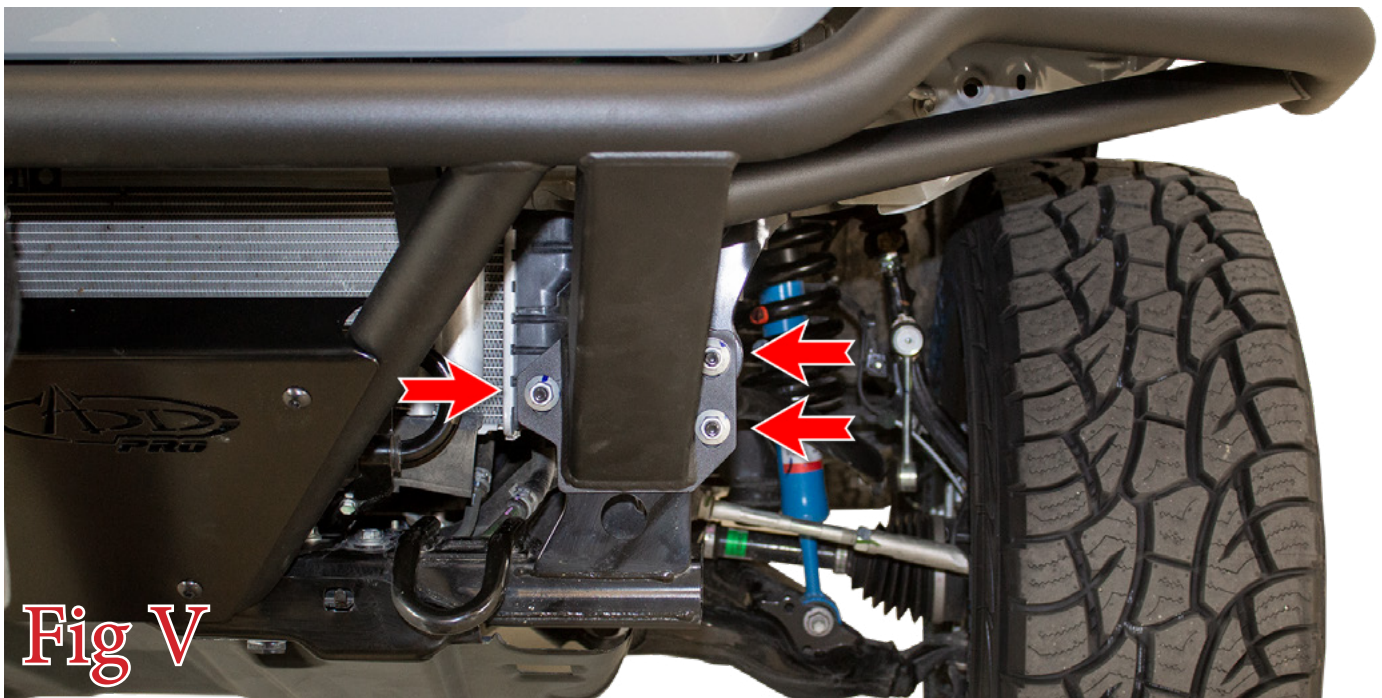


Fig V

25. Reinstall the bolt from Step 19. The power steering cooler should sit on top of the bumper mounting tab. (Fig W)



26. Install the bolt from Step 18 through the mounting tab on the bottom of the bumper and into the vehicle's cross member. **Do not mount the power steering cooler with this bolt.** (Fig X) Leave this bolt loose for now.



27. Use the supplied 3/8" Button Head Bolt (x1), 3/8" Washer (x1), and 3/8" Lock Nut (x1) to bolt the driver side of the power steering cooler to the rearward hole in the lower mounting tab on the bumper. (Fig Y) Leave this bolt loose for now.

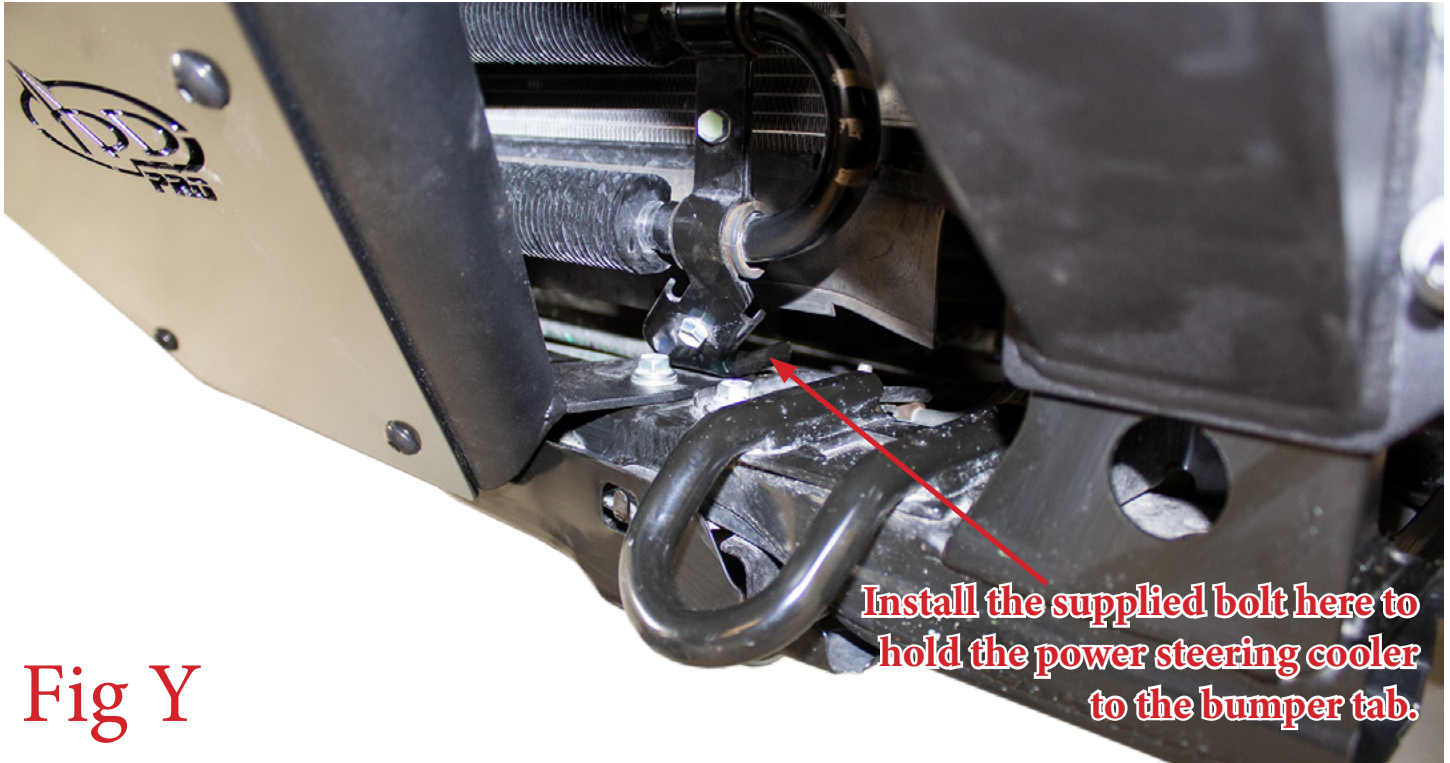


Fig Y

28. Line the bumper up so that is centered left to right and sits straight in relation to the vehicle's grille. Then, tighten the factory mounting bolts to factory torque spec. Tighten the supplied 3/8" Button Head Bolt to 30 foot pounds.

29. If you are using your vehicle's skid plate in conjunction with our bumper, you may install that now.

30. Stand back and enjoy your new ADD PRO™ Bolt-On Front Bumper.

31. Check and re-tighten if needed, all mounting bolts after 100 miles and periodically thereafter.

