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 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	- 7mm Socket	- 10mm Socket
- 15mm	- 17mm Socket	- 18mm Socket
- Cutoff Wheel	- Tape Measure	- T-15 Torx Socket

Included in Kit:

4	- Hex Head Bolts *(M10-1.5 x 30mm)*	**4**	- Flat Washers *(M10)*
1	- Universal Light Mount Kit		

Removal:

1. Using a 15mm Socket, remove the skid plate mounting bolts (x4). Then, remove the skid plate from the vehicle. **Save the skid plate and bolts for reuse.** (Fig A)

Fig A

2. Using a 10mm Socket, remove the two bolts referenced in (Fig B).

Fig B

3. Using a 7mm Socket, remove the lower inner fender liner bolt. (Fig C)

Fig C

4. Find the body line that runs horizontal across the front of the truck, just under the grille. We will be using this body line as a point to measure from for the next step. (Fig D)

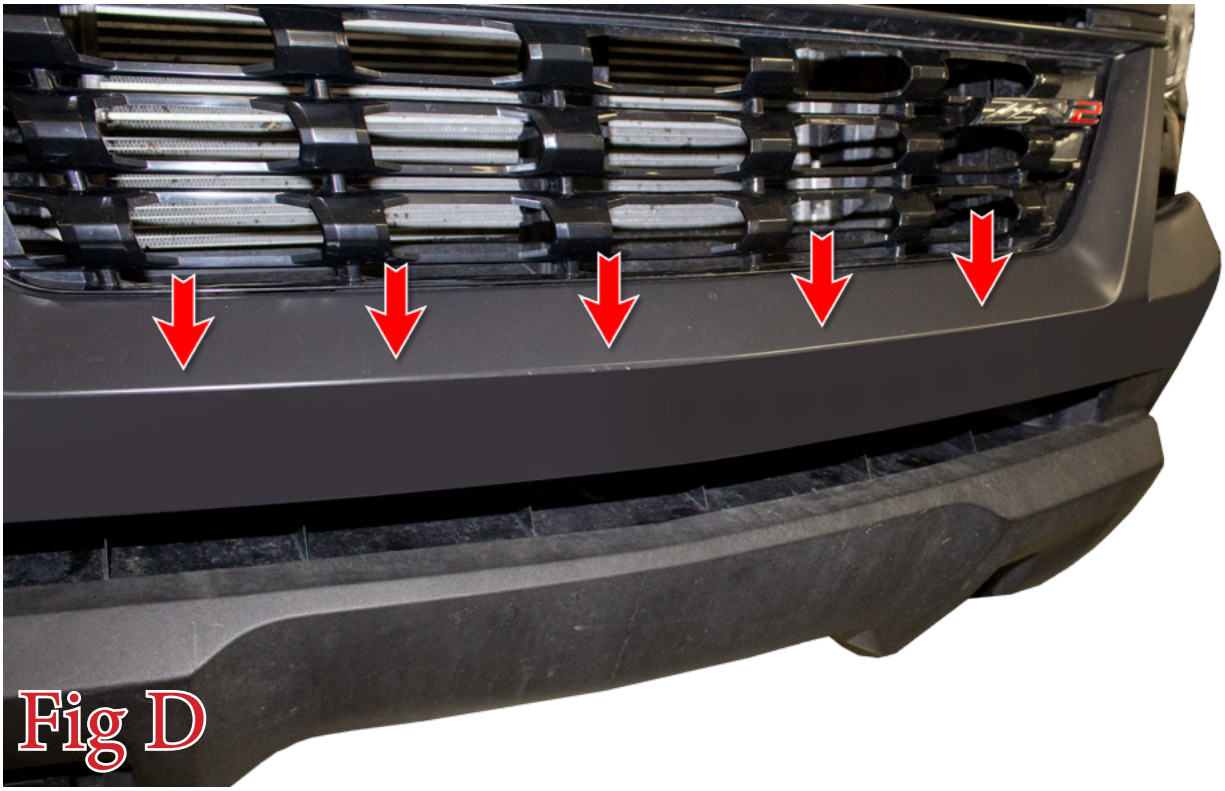
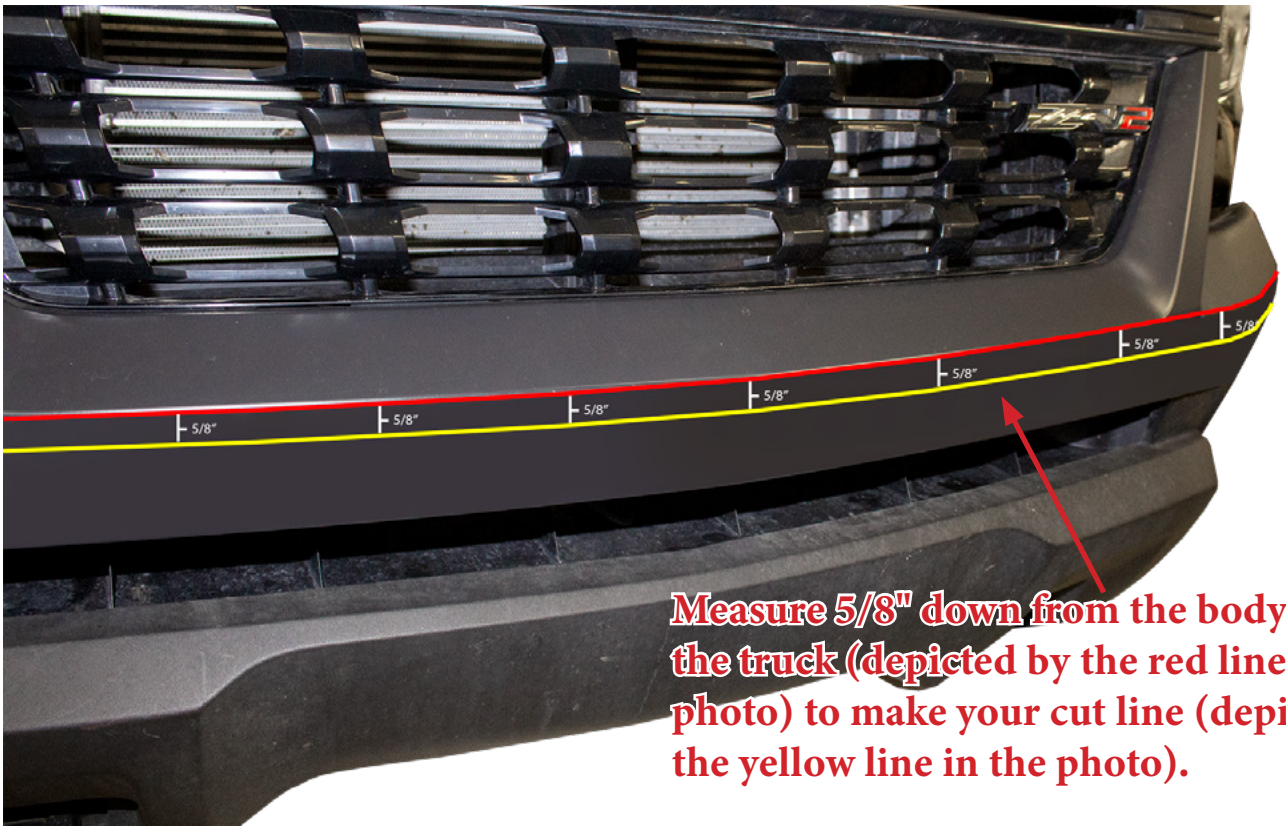
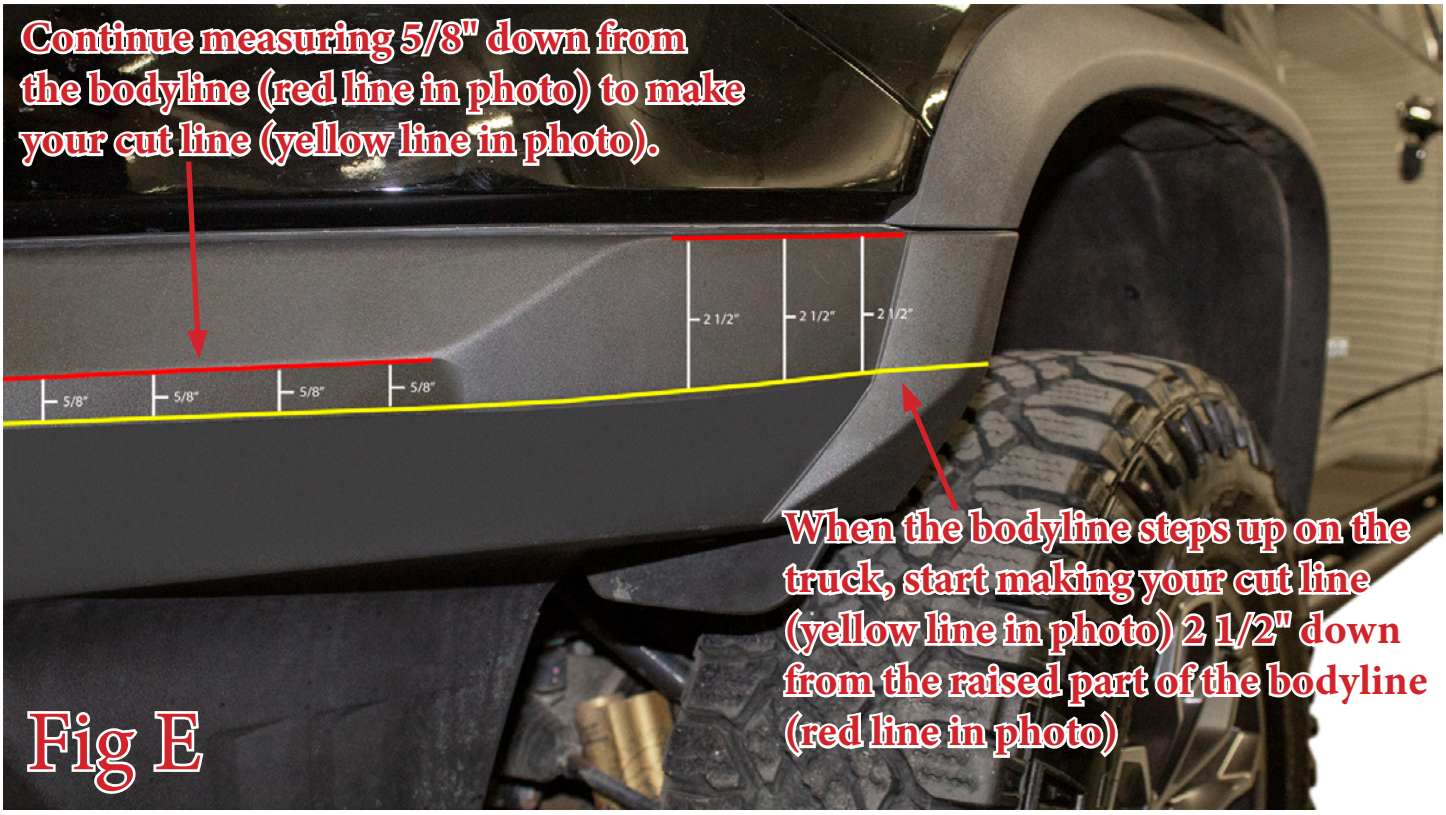


Fig D

5. Measure 5/8" down from that bodyline at several points. Continue making several 5/8" measurements along the side pods of the bumper at the same bodyline. Once that bodyline steps up, start making your marks at 2 1/2". Once you've made several marks, connect them to make one straight line. Refer to (Fig E).





6. Using a cutoff wheel, cut along the line you just made. When you make the cut, **LEAVE BETWEEN 1/4" AND 1/2" OF EXTRA MATERIAL SO THAT YOU CAN USE THE BUMPER TO LINE UP YOUR FINAL TRIMMING.** (Fig F)

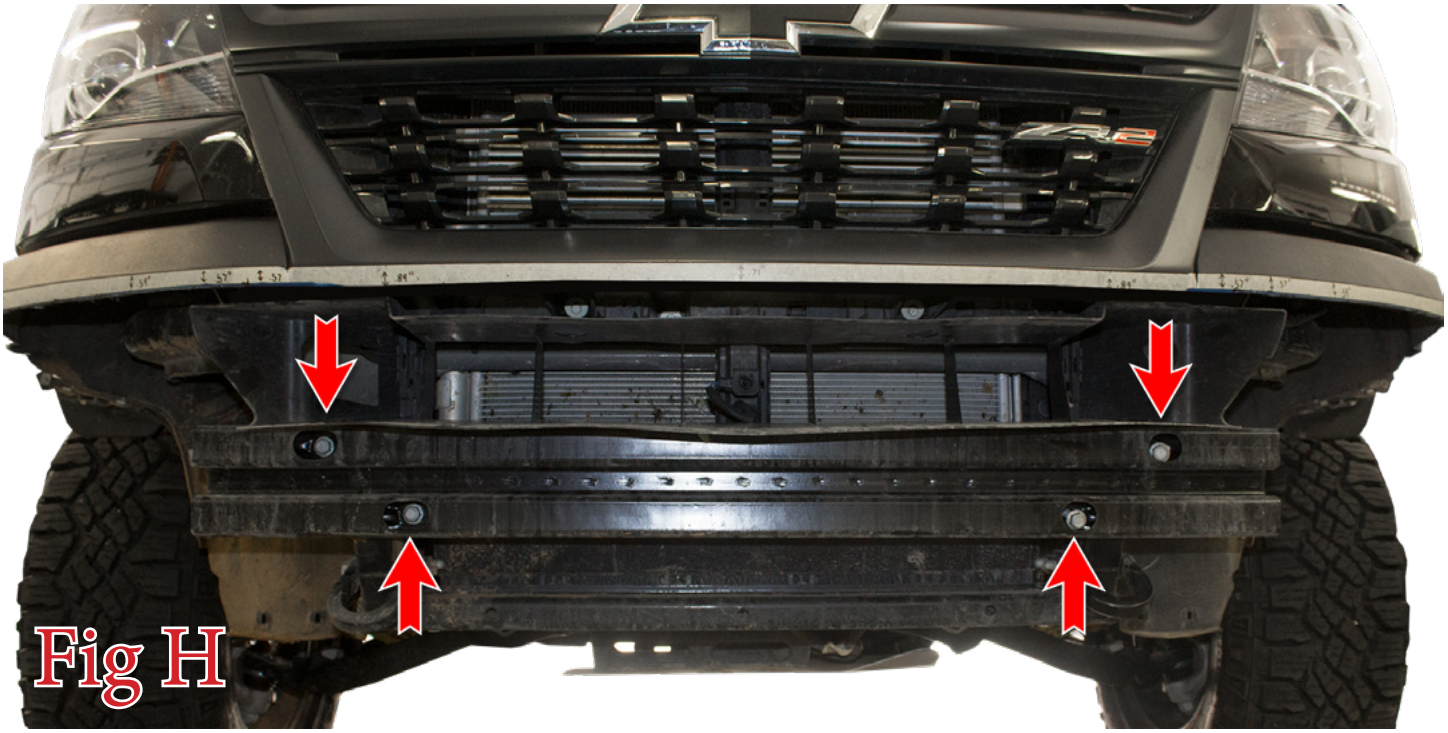
Fig F

7. Using a T-15 Torx Bit, remove 5 inner fender bolts. Four of them are accessible looking into the wheel well towards the front of the vehicle, while the last one is just in front of the wheel well and can be seen from underneath the truck. (Fig G)

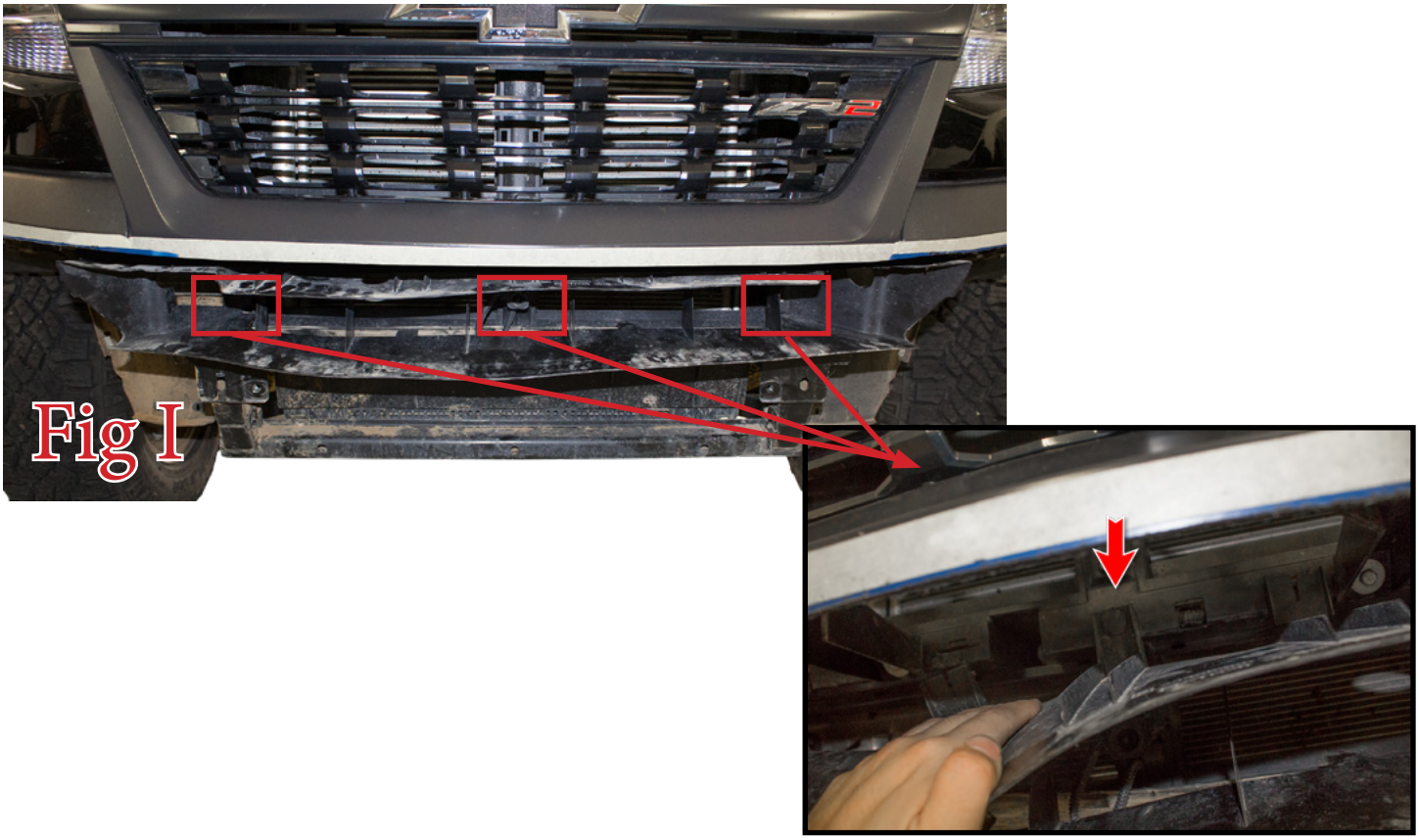
Fig G

8. Remove the plastic bumper cover from the vehicle.

9. Using a 15mm Socket, remove the bumper mounting bolts (x4). Then, remove the metal bumper bar from the vehicle. (Fig H)



10. Remove the plastic scoop that sits just under the grille. Do this by releasing a series of clips on the top side of that scoop. (Fig I)



11. Hold the bumper in place, then use it as a template to mark out any additional trimming that might need to be done for a proper fit. You may have to do this several times. Do not take too much material off at once or your cuts may not turn out right. Also be careful to keep the gap between the valance and the bumper even across the entire cut.

Installation:

12. If you have lights to install on your bumper, now is a good time to do so. Make sure to follow the light manufacturer's guide for mounting and wiring information.

13. Set the bumper in place on the vehicle. Use the supplied M10 Bolts (x4) and M10 Washers (x4) to secure the bumper to the vehicle. Leave these bolts loose for now. (Fig J)

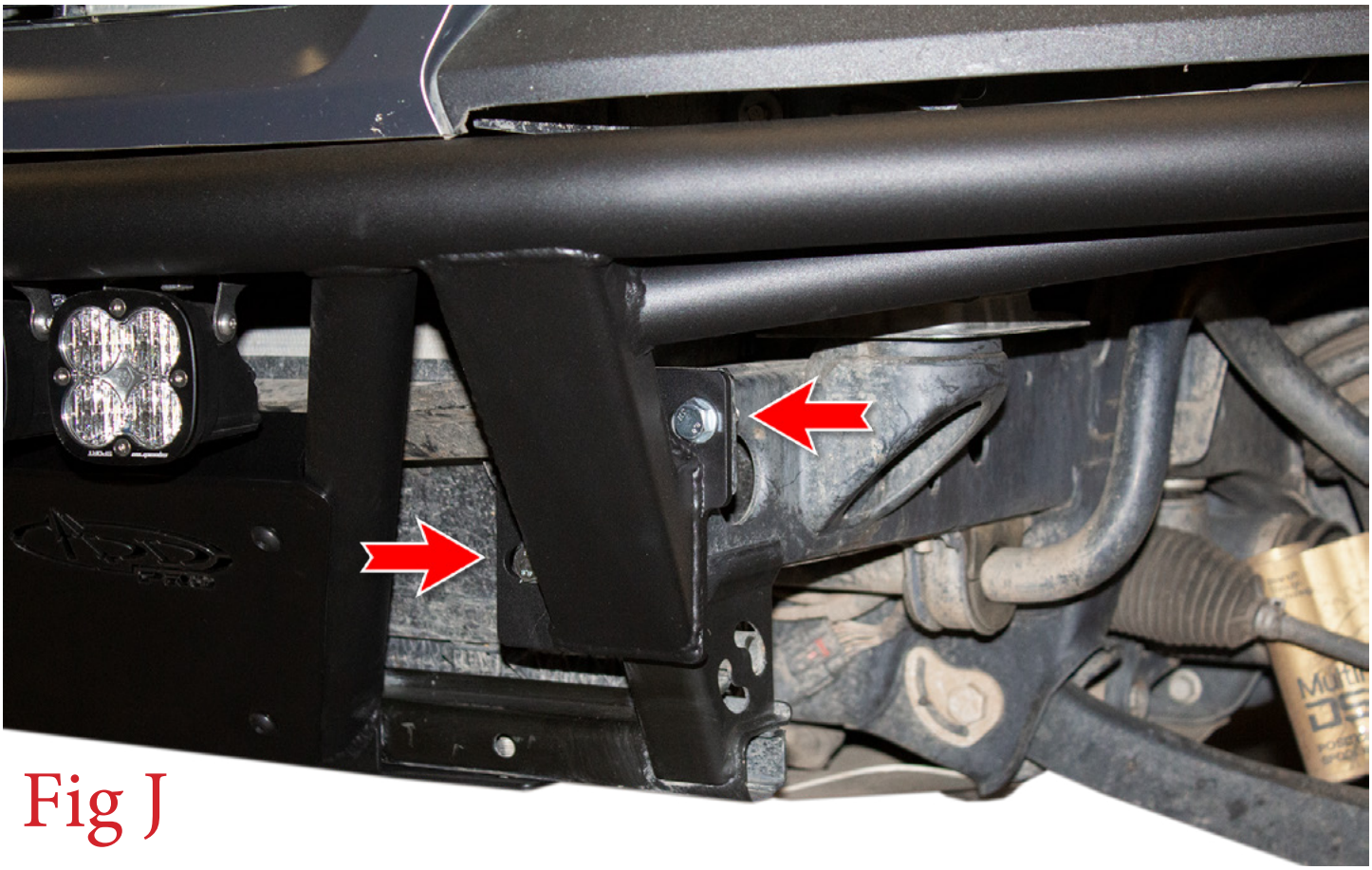
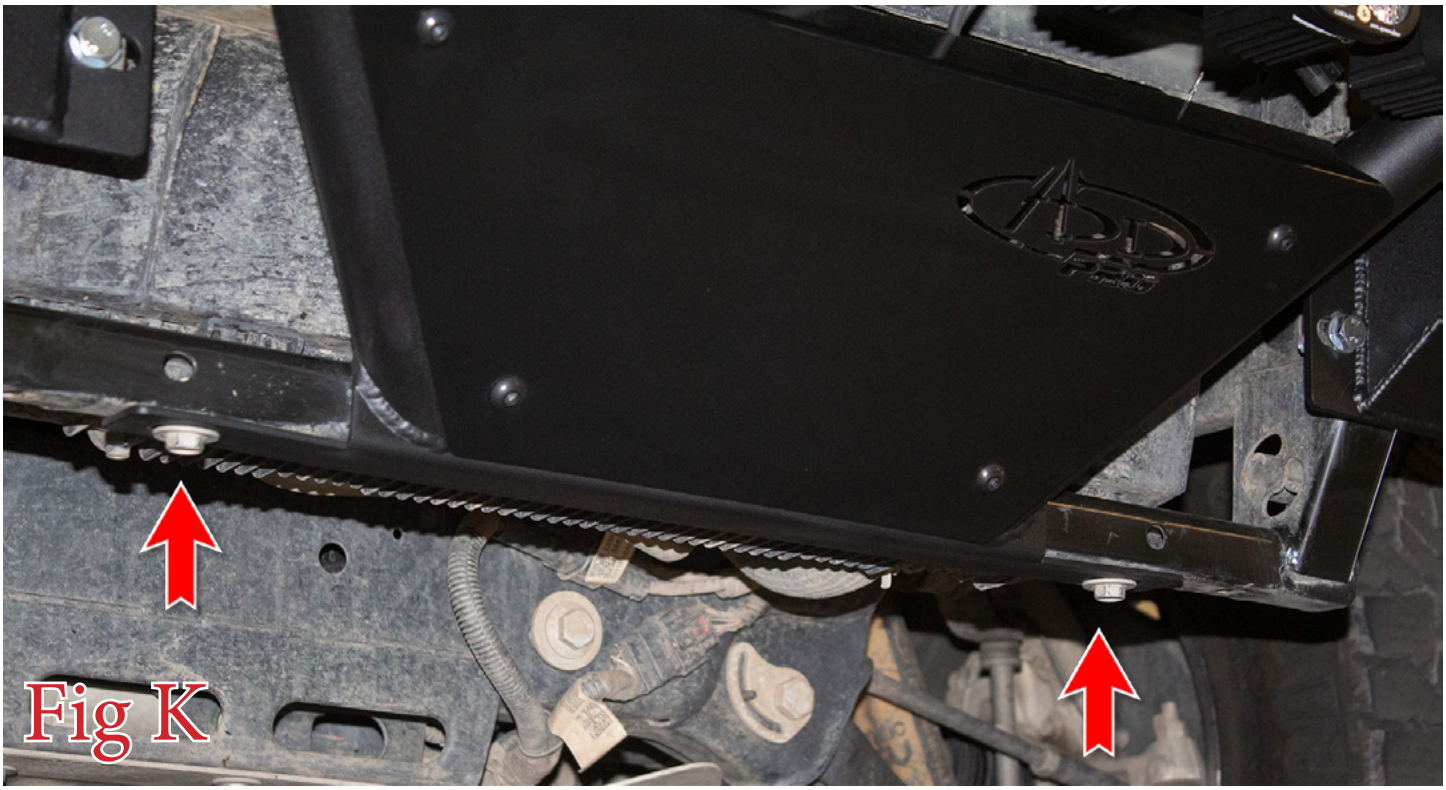


Fig J

14. Use the bolts that were set aside in Step 1 for the lower mounting holes in the bumper. If you are reinstalling your skid plate, do so now. If you are not reinstalling your skid plate, reinstall the other two bolts from Step 1 into the same holes they were removed from. (Fig K)



15. Center your bumper left to right. Then, go back and torque the M10 Mounting Bolts to 40 foot pounds. Toruqe the OEM bolts to OEM torque spec.

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

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

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For Additional Support or Technical Questions,
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Email Info@AddictiveDesertDesigns.com