

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 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
- 3/4" Socket & Wrench
- 16mm Socket
- 17mm Socket
- 18mm Socket

Included in Kit:

- 4** - Hex Head Bolts (M10-1.5 x 30mm)
- 4** - Flat Washers (M10)
- 2** - Hex Head Bolts (1/2"-20 x 4 1/2")
- 4** - Flat Washers (1/2")
- 2** - Metal Lock Nuts (1/2"-20)

Removal:

1. Use a 16mm Socket to remove the two bolts per side that hold the bumper to the side of the Jeep's frame. (Fig A) was taken looking towards the rear of the vehicle into the wheel well.

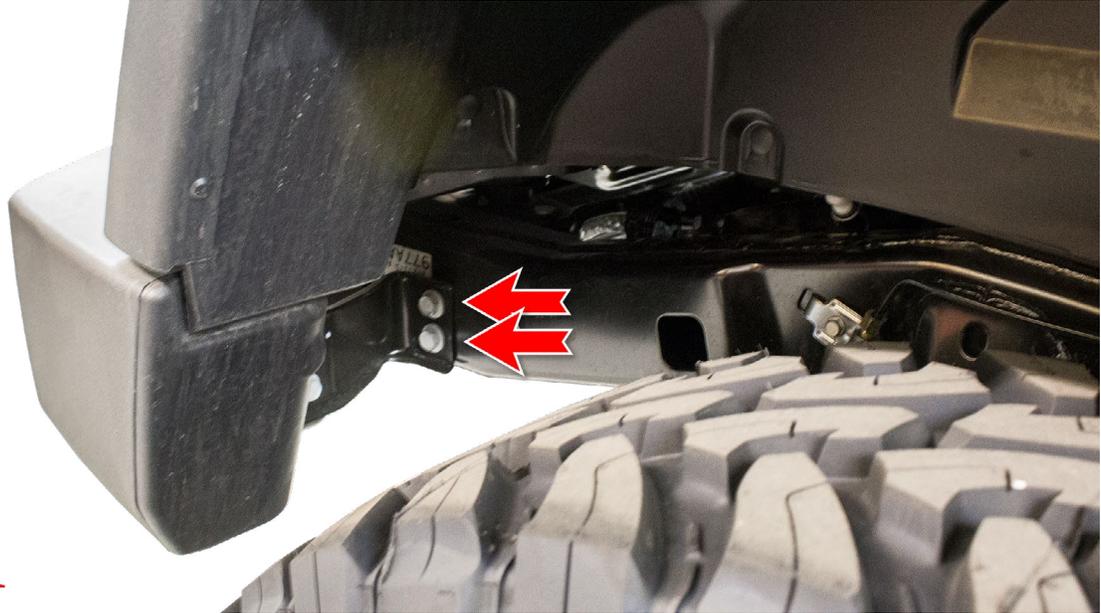
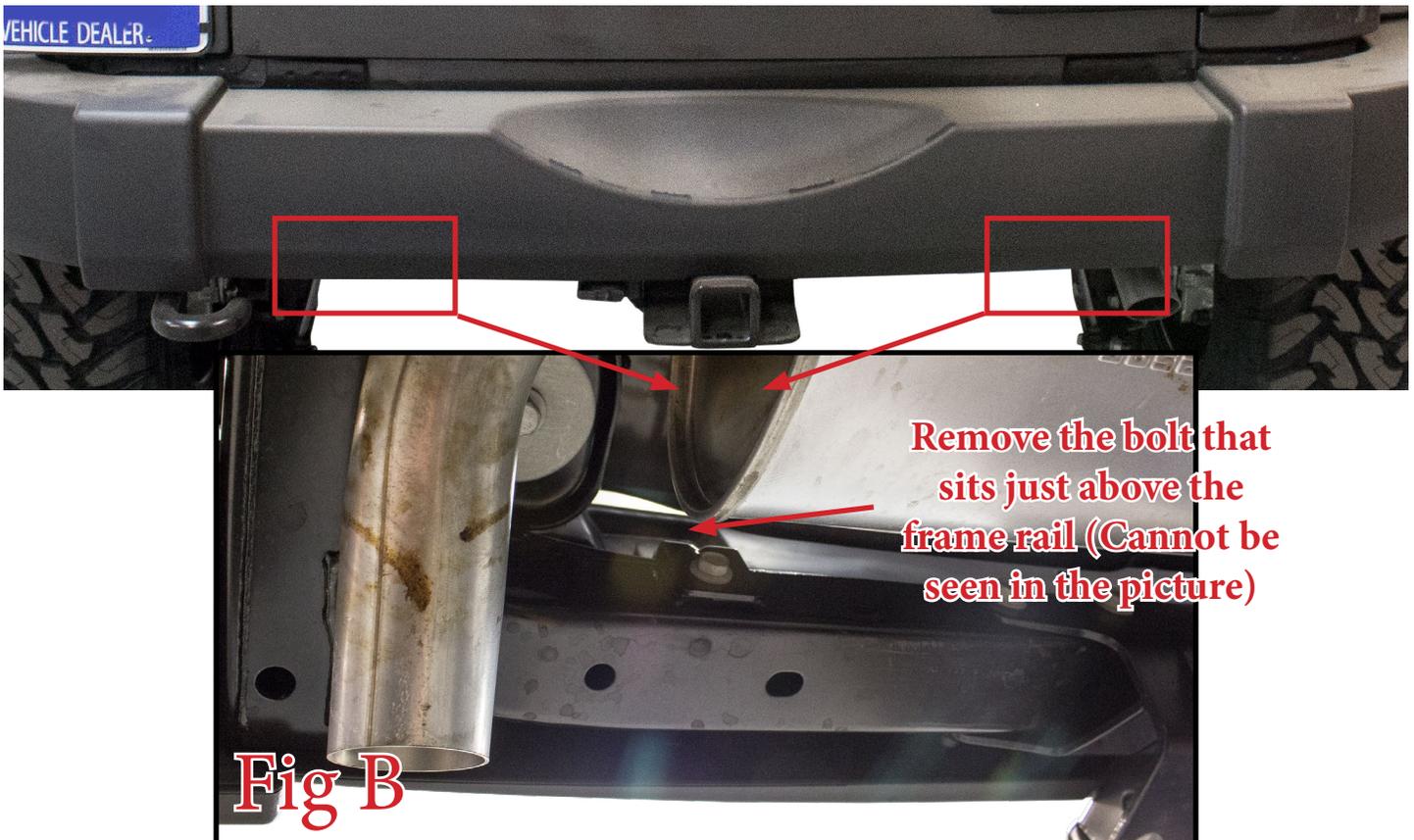
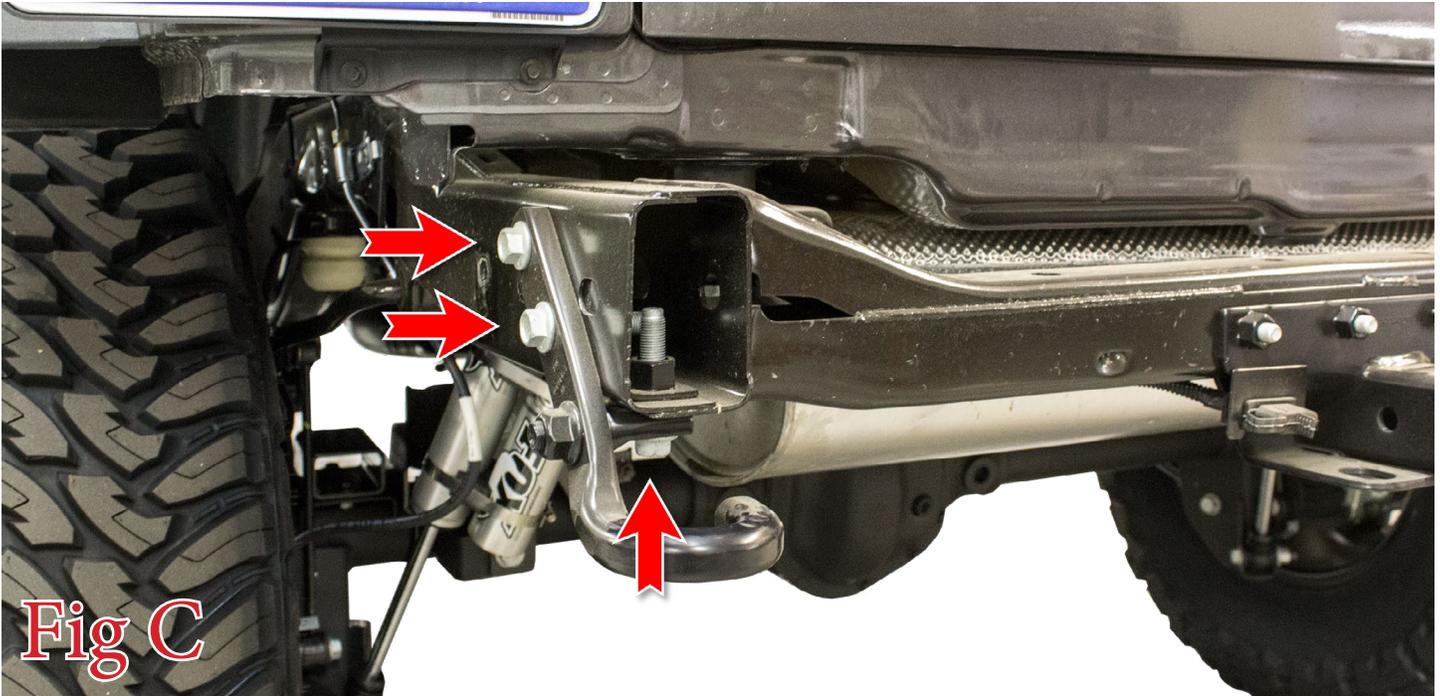


Fig A

2. Use a 16mm Socket to remove the two bolts on the back side of the rear bumper. These bolts are above the rear frame rail. There are not visible in the following picture, but are just above the bolts that are visible in the picture. (Fig B)



3. Lift the OEM bumper off the vehicle.
4. Using an 18mm Socket, remove the three bolts that hold on the rear tow hook. Then, remove the tow hook. (Fig C)



Installation:

- 5. If you have lights to install in your bumper, now is a good time to do so. Please follow the light manufacturer's install guide for mounting/wiring information.
- 6. Set the bumper in place on the vehicle. Then, use the supplied M10 Bolts (x4) and M10 Washers (x4) into the side mounting holes on the bumper. Leave these bolts loose for now. (Fig D)

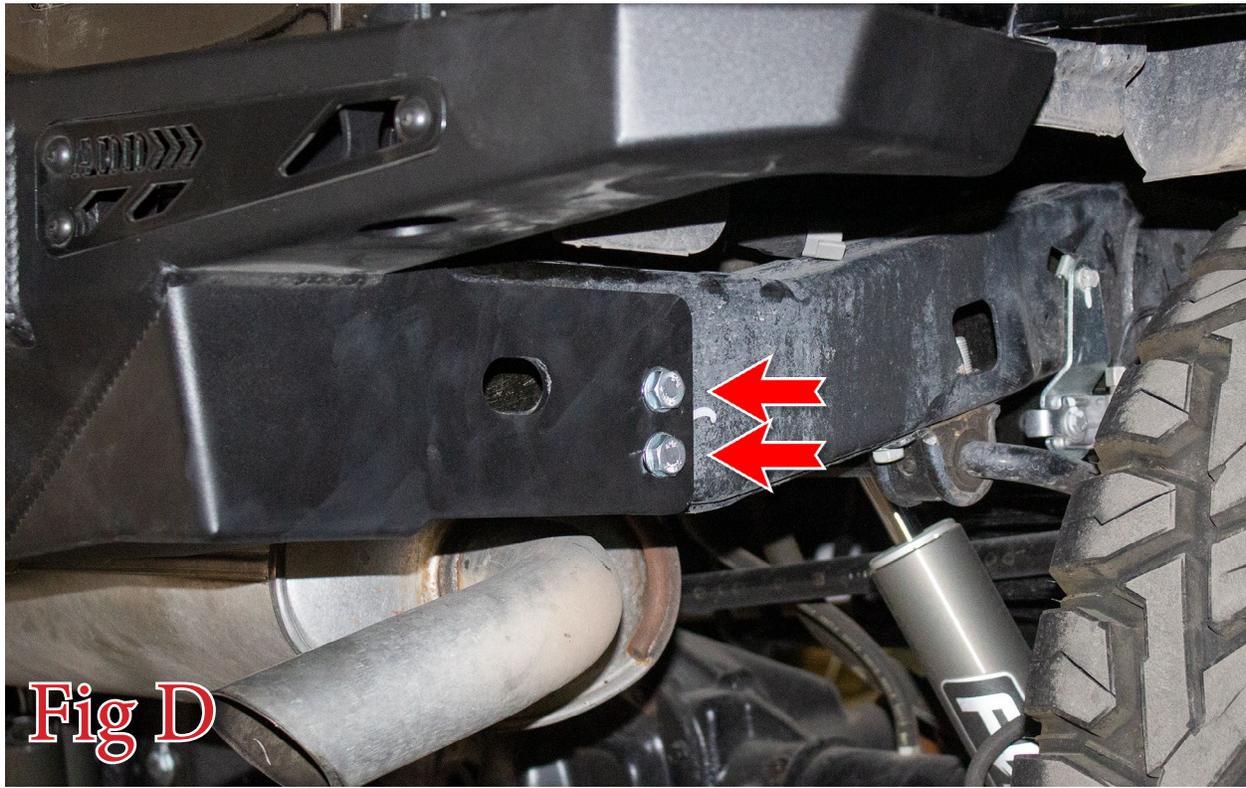


Fig D

- 7. Install the supplied 1/2" x 4 1/2" Bolts (x2), 1/2" Washers (x4), and 1/2" Lock Nuts (x2) into the lower bumper mounting holes. (Fig E)



Fig E

8. Align the bumper so it is straight in relation to the tailgate. Then, torque the M10 mounting bolts to 40 foot pounds. Torque the 1/2" mounting bolts to 80 foot pounds.
9. Stand back and enjoy your new ADD Stealth Fighter™ Rear Bumper.
10. Check and re-tighten, if needed, all mounting bolts after 100 miles and periodically thereafter.

