

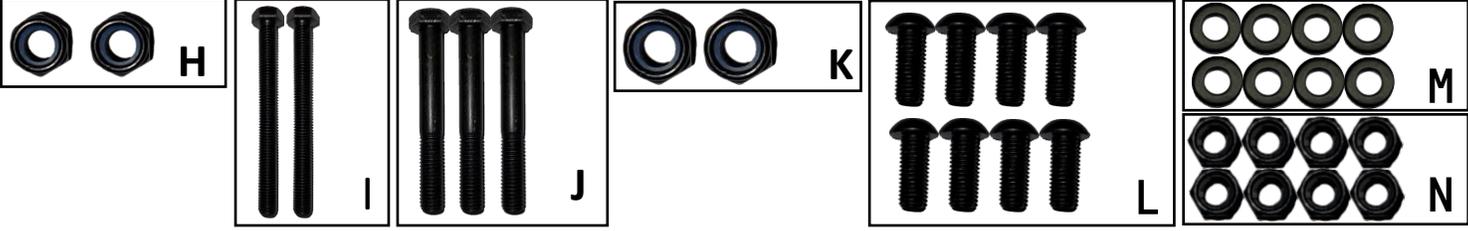
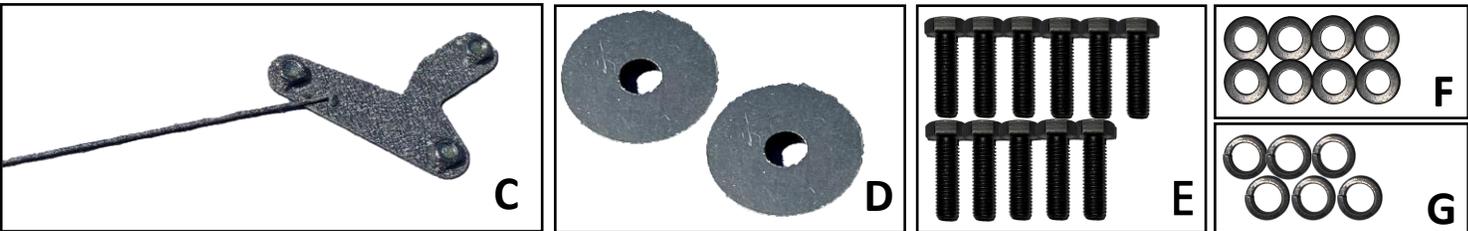


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Installation Instructions
XRC FRONT BUMPER
1984-2001 Jeep Cherokee XJ
Part #: S/B76810

NOTE: Be sure to check that all hardware and components are present before attempting to install this part. If you are missing any hardware or components, please contact technical support.

Part Description	QTY	ID	Part Description	QTY	ID
XRC FRONT BUMPER	1	A	M10-1.5 NYLOCK NUT	2	H
FRAME MOUNTING PLATES	1	B	7/16-14X4" THREADED BOLT	2	I
90-7758 - NUT PLATE WITH ROD	1	C	7/16-14x4" HEX HEAD BOLT	3	J
2" O.D. FRAME SPACER	2	D	7/16" NYLOCK NUT	2	K
M10-1.5X40MM HEX HEAD BOLT	11	E	M12-1.75X35MM ALLEN HEAD BOLT	8	L
M10 FLAT WASHER	8	F	M12 FLAT WASHER	8	M
M10 SPLIT LOCK WASHER	6	G	M12 NYLOCK NUT	8	N



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Step 1: Unbolt and remove the factory front bumper, end caps, valence, and hardware from the vehicle. **Note: Be sure to unclip the factory fog light harness prior to removal (if equipped). Be sure to retain the (4) factory nut clips on the front of the frame.**

Step 2 (First Generation XJ Only): If you have a first-generation Jeep Cherokee XJ you will need to cut the front fenders before the bumper can be installed. Draw a cut line on the fenders that is even with the bottom of the grill. **(Figure A)**. Using a cut off wheel, plasma cutter, reciprocating saw, or another suitable cutting tool, cut along the previously applied line, through the fender and flare at the same time **(Figure B)**. Once the fenders have been cut, be sure to finish sand, prime, and paint the trimmed areas to prevent injury and rust. **(Figure C)**.

Warning: Remember to use proper safety gear when cutting.



Fig. A



Fig. B

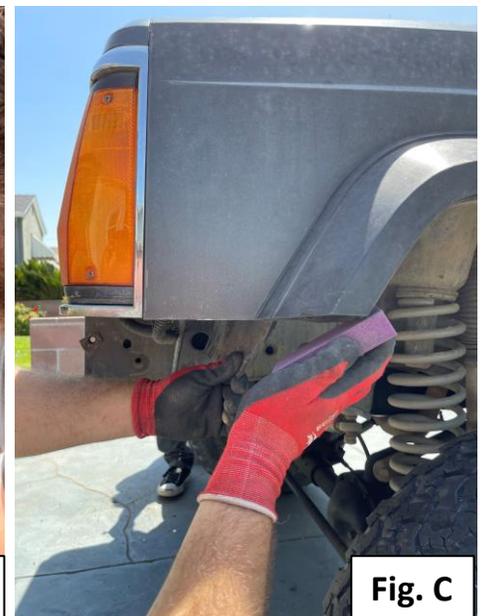


Fig. C

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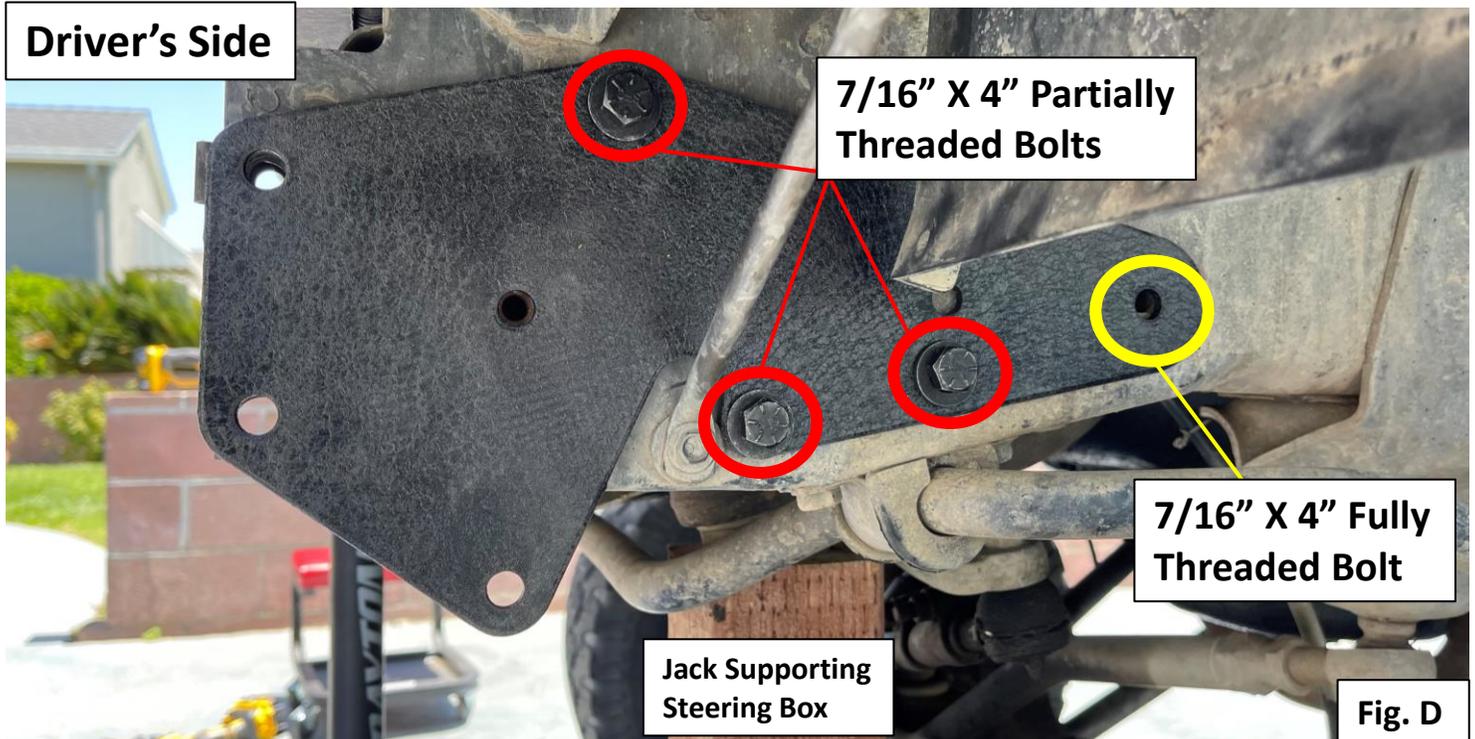
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Step 3: On the driver's side of the vehicle, remove the **(3)** OE steering box bolts. Be sure to support the steering box after unbolting it using a jack or other suitable support device. **(Figure D)**

Step 4: Install the **Passenger Side Mount Plate** to the outside of the frame rail. Secure the plate and steering box to the frame using the included **(3)** **7/16" x 4" partially threaded bolts** in the OE steering box bolt holes. Then, install the **7/16" x 4" fully threaded bolt, 2" spacer, and nylock nut** in the rear most hole in the spacer plate. **Note:** Be sure to apply **medium strength thread-locker** to the threads of the partially threaded bolts before installing.

Driver's Side



Note: Be sure that the bumper mounting plate bolt holes line up with the remaining holes in the frame. Be sure to leave all hardware loose until the bumper is installed.

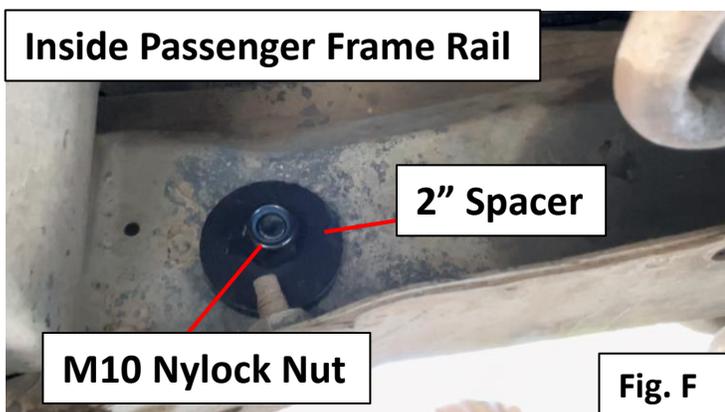
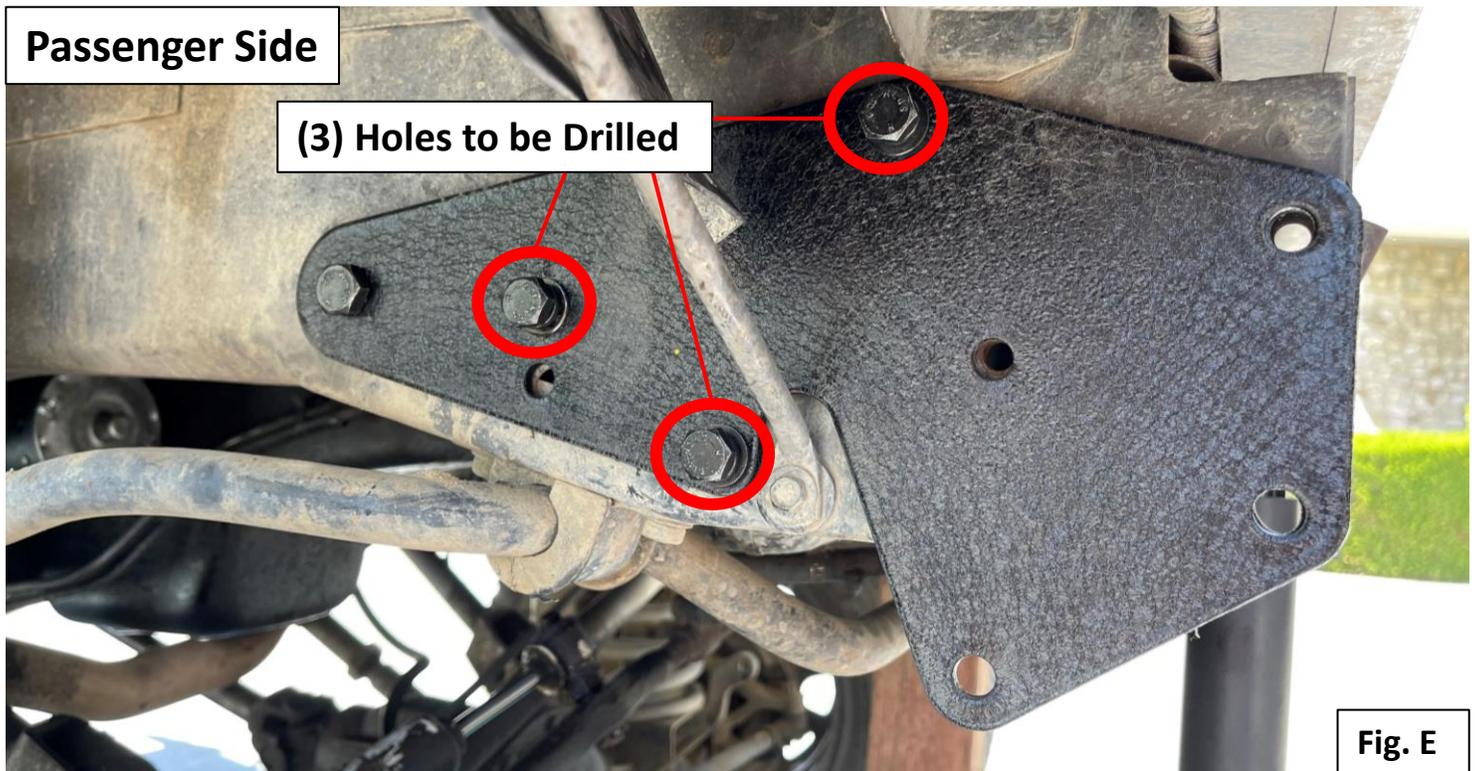
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Step 5: On the passenger side of the vehicle, temporarily use two of the front bumper mounting bolts to keep the **Passenger Side Mounting Plate** in place. Be sure all the holes are lined up. Using a **7/16"** drill bit and a **center punch**, drill the holes circled below using the mounting plate as a template. **Figure E.**



Step 6: Install the **7/16" x 4" Bolt**, **2" O.D. Spacer**, and **M10 Nylock Nut** in the rear most hole in the **Passenger Side Mounting Plate** and secure on the inside of the frame. **Figure F.**

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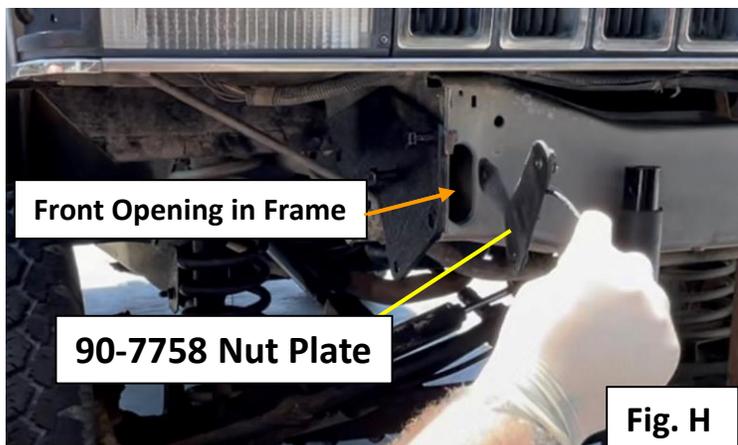
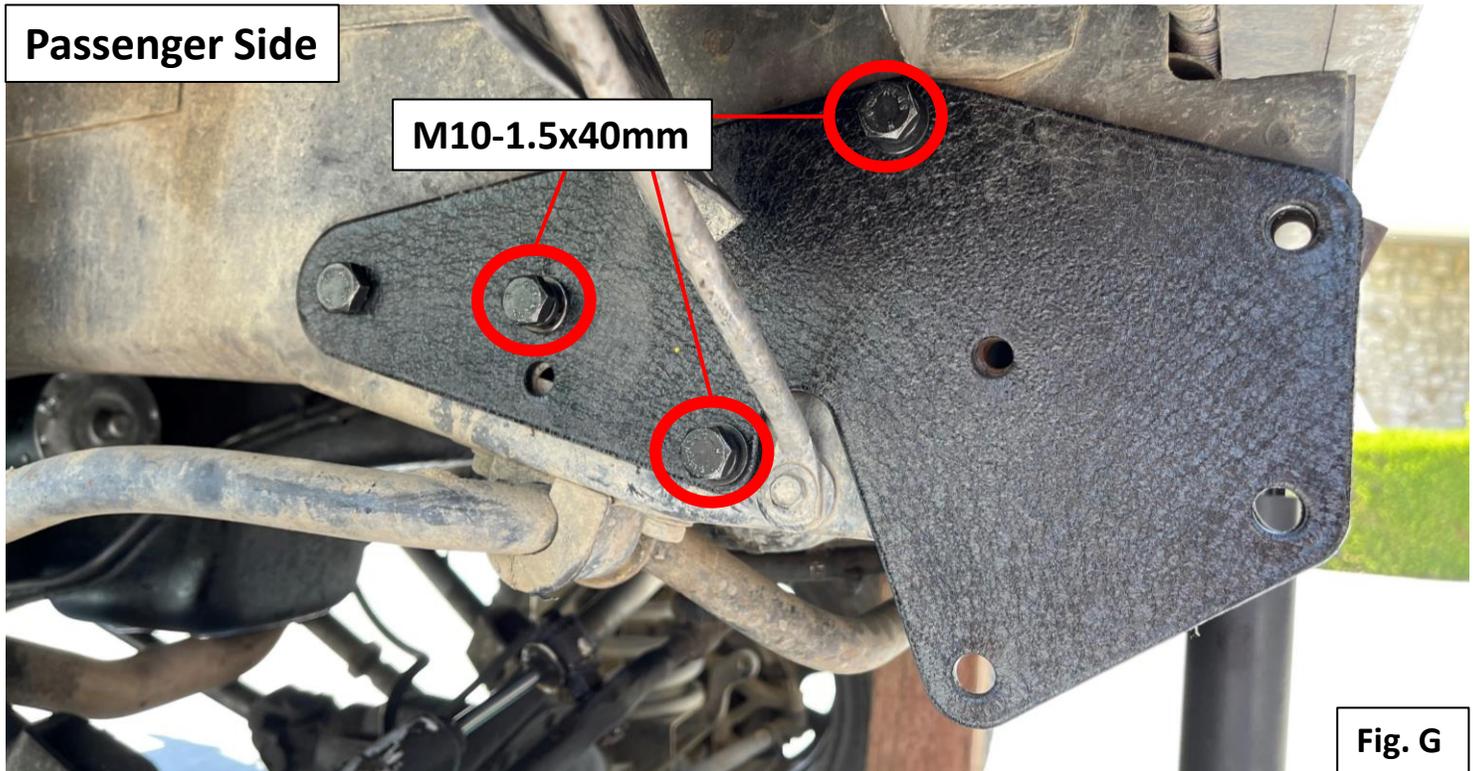


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Step 7: On the passenger side of the vehicle, install the **90-7758 Nut Plate** into the front opening of the passenger side frame rail. Secure the mounting plate through the **Passenger Side Mounting Plate** using the supplied **(4) M10-1.5x40mm bolts**. These will get threaded into the **90-7758 Nut Plate**. As shown in **Figure G**.

Passenger Side



Note: You can bend the welded rod on the nut plate to an angle that helps position it better in the frame. As shown in **Figure H**.

Once all the bolts are secured to the nut plate, the welded rod can be cut or broken off.

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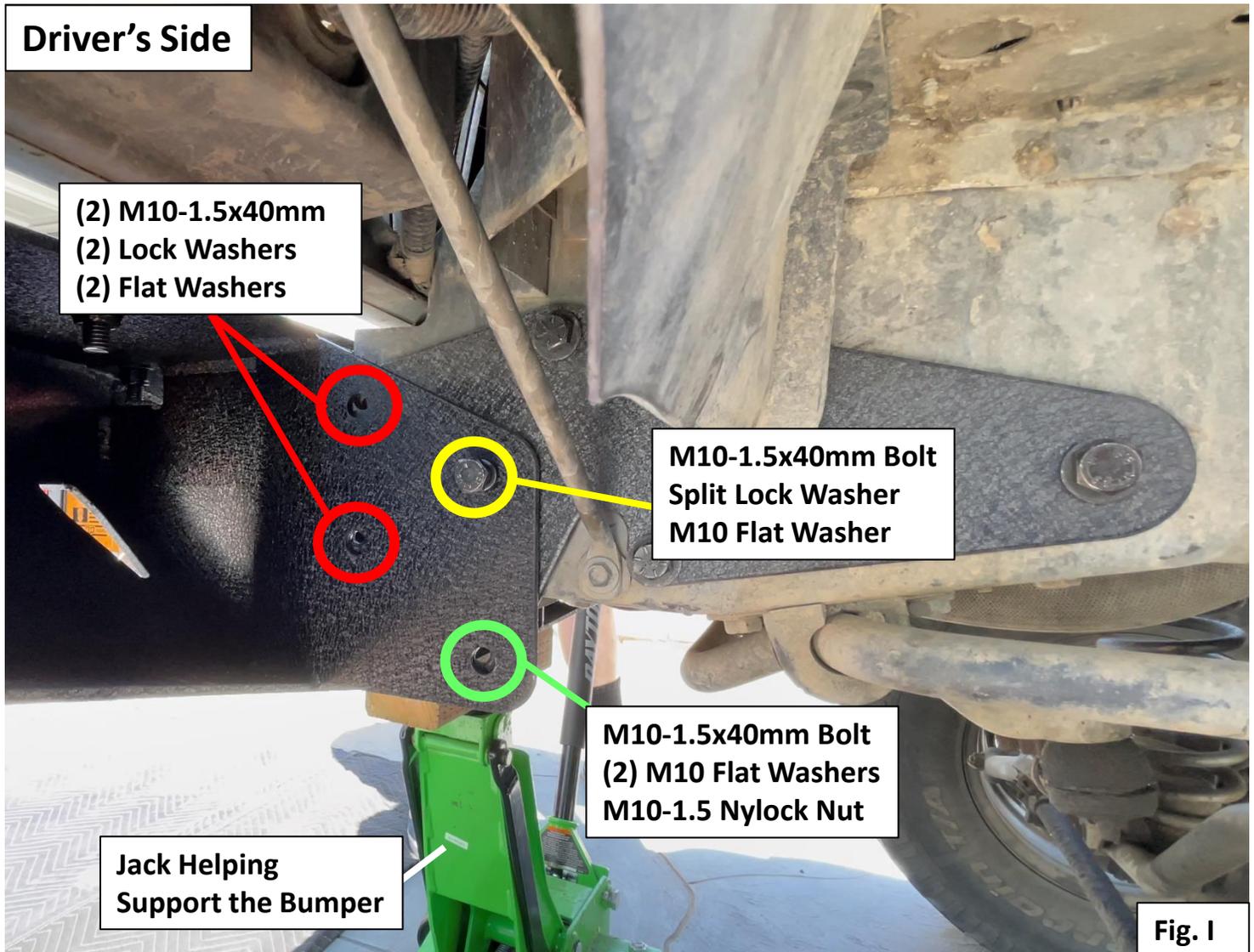


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Step 8: Note: This step **WILL** require 2 people. The use of a jack is recommended as well. Carefully lift the bumper up to the vehicle. Line the bumper up with the (4) mounting holes in each mounting plate. Install the (8) M10 bolts, (6) split lock washers, (10) M10 flat washers, and (2) nylock nuts as displayed in Figure I.

Driver's Side



NOTE: This process will be the same for the passenger side.

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Step 9: Once the bumper is installed, make your final adjustments and torque all the hardware using the specification sheet on the next page. The Steering Box bolts should be torqued to **60 ft/lbs.** per the manufacturer's specifications.

Step 10: If you are not installing a Bull Bar/Stinger; Install all **(8) M12-1.75X35MM Allen Head Bolts, (8) M12 Flat Washers, and (8) M12-1.75 Nylock Nuts** into the bumper (**Figure J**). If you are installing a Bull Bar (**S/B76811**) or Stinger (**S/B76812**), follow the instructions included in that kit.

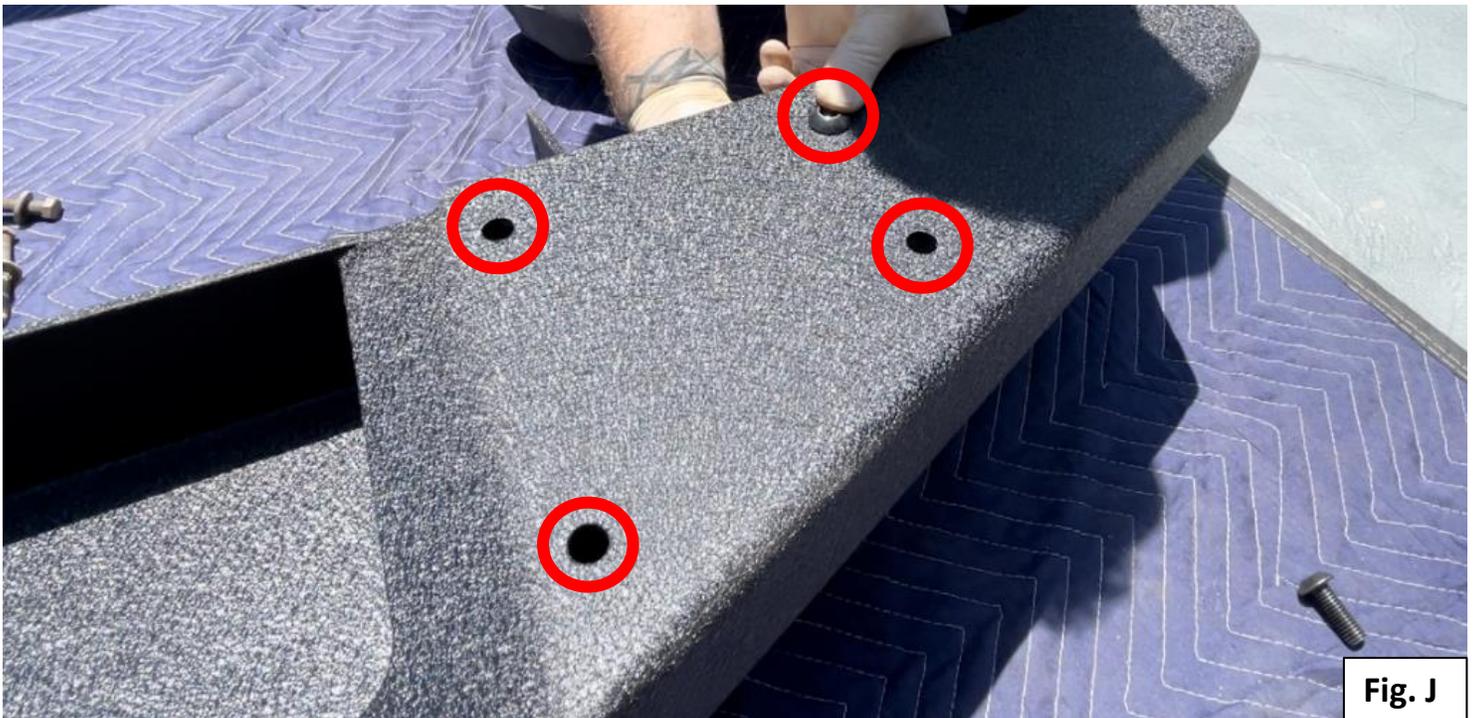


Fig. J

Step 11: The installation is now complete.

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Always periodically check that all hardware is tight. This should be done 200 miles after installation and periodically after.

Refer to page 9 for torque specifications.

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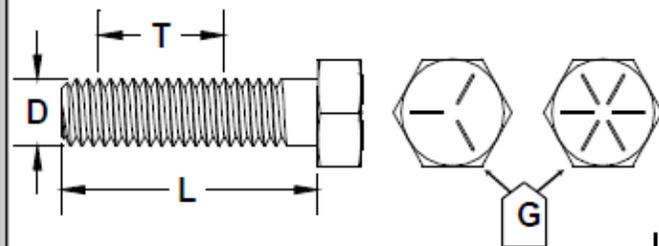
Bolt Torque and ID

Decimal System

Metric System

All Torques in Ft. Lbs.

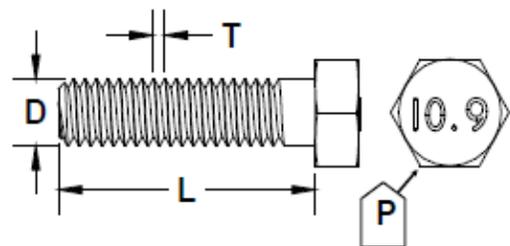
Bolt Size	Grade 5	Grade 8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290



1/2-13x1.75 HHCS



Grade 5 Grade 8
 (No. of Marks + 2)



M12-1.25x50 HHCS



G = Grade (Bolt Strength)
 D = Nominal Diameter (Inches)
 T = Thread Count (Threads per Inch)
 L = Length (Inches)
 X = Description (Hex Head Cap Screw)

P = Property Class (Bolt Strength)
 D = Nominal Diameter (Millimeters)
 T = Thread Pitch (Thread Width, mm)
 L = Length (Millimeters)
 X = Description (Hex Head Cap Screw)



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Limited Warranties

Limited-Lifetime Structural Warranty
5-Year Finish Warranty

Smittybilt's products are covered under the following limited warranties only. Note that the duration of the limited warranty differs according to the material and finish of the product purchased. **This XRC Bumper carries a limited-lifetime structural warranty and a 5-year finish warranty.** Subject to the duration and conditions of the limited warranty stated below, Smittybilt warrants to the original retail purchaser that its products are free from defects in material and workmanship. All other warranties and representations express or implied, are hereby disclaimed, including fitness for merchantability and buyer's intended use or purpose. All parts are sold "AS IS" except for the limited warranties granted herein. Buyer assumes all risks as to the selection, suitability and performance of all goods and products selected. This limited warranty does not cover damage or impairment in any part due to misuse, improper installation, accident or contact with on road or off-road hazards, product modification, improper or inadequate cleaning and/or maintenance. Smittybilt is not responsible for items damaged during shipping. This warranty is not transferable from the original buyer. For the original Buyer to be eligible for the limited warranty coverage, the Buyer must provide proof of purchase. Smittybilt strongly recommends returning the warranty registration card. Customer's remedy hereunder shall be limited only to repair or replacement (at Smittybilt's option) of any defective part(s) returned to Smittybilt at customer's expense. The determination of whether or not a returned part is defective or subject to coverage under the limited warranties stated herein shall be made at Smittybilt's sole discretion. To assure product quality, Smittybilt reserves the right to change product design, material, specification and finishes without prior notice to customers. This limited warranty gives you specific legal rights and you may also have other rights, which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply as to you. Also, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Smittybilt reserves the right to discontinue product lines and substitute products or provide other remedies than those listed in this limited warranty for those discontinued products.

Warning

Rollover and other types of vehicle accidents may result in serious injury or death to you, your passengers and others sharing the road. Smittybilt accessories are decorative and are not intended to reduce or avoid injury or damage in the event of an accident. The weight and location of Smittybilt accessories may affect your vehicles' handling, stability and performance, creating an increased risk of accident or rollover. Before installing any accessory, check state laws and assure that the accessory will not obscure any lights or interfere with proper operation on your vehicle's safety equipment. Consult your owner's manual and the Smittybilt instructions, or additional safety information. Smittybilt products, nor the warnings contained herein, are not a substitute for your safe driving. Don't drink and drive, always use seat belts, and don't drive faster than conditions permit.

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Product cleaning and maintenance instructions

Stainless Steel Finish – Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap, window or glass cleaner may be used to clean the finish.

Dual state powder coat finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you may wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or was that contains abrasive that could damage the finish.

Textured coated finishes should be cleaned with a mild soap on a damp sponge. Do not apply polish or was that requires to be removed by means of buffing. This type of wax is commonly used at car wash facilities.

Chrome Finish – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you should wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or was that contains abrasive that could damage the finish.

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