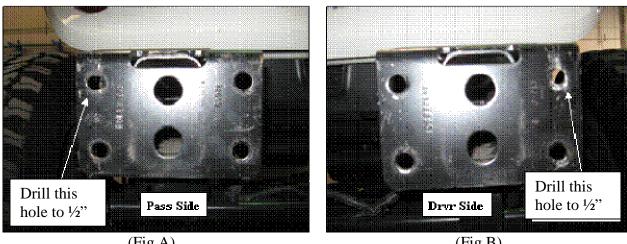


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NOTE: carefully read entire instructions before attempting to install this product. It is recommended to have assistance while lifting and installing the bumper.

Parts Included	Qty	Parts Included	Qty
12 x 35mm Hex Head Bolt	2	12 mm Flat Washer	12
12 x 35mm Carriage Bolt	4	12 mm Lock Washer	12
12 mm Nut	10		

- **Step 1:** Remove your front factory bumper. On certain bumpers you may need to remove your factory front plastic frame cover. (Before taking bumper off, make sure you have disconnected the fog lights)
- Step 2:Drill out the top outer hole in the front frame mounting plates to ½' (Fig A, B)NOTE: Due to some variances you may be required to drill out the holes to 5/8". After<br/>drilling the holes to ½" hold bumper up to frame. If all of the threaded studs don't line up,<br/>Carefully lay bumper to side and drill holes to 5/8" Use caution when drilling



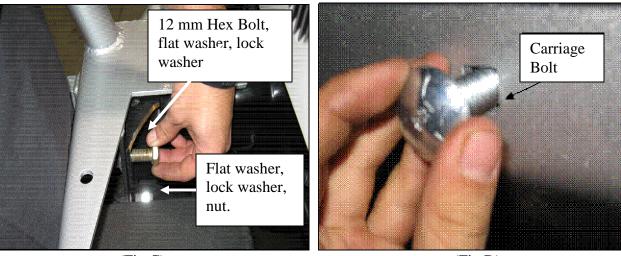


(Fig B)

**Step 3:** Position the bumper up on the front of your jeep by aligning the welded studs on the bumper into the holes on the front frame mounting plates. Secure studs using 1 ea flat washer, lock washer and nut. Insert 12 x 35 mm hex bolt with 1 ea flat washer and lock washer in the reaming two holes. (Fig B) Level the bumper and then proceed to tighten all bolts to 60 ft.lbs

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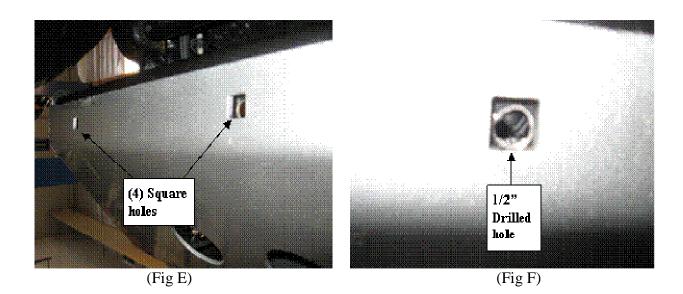




(Fig C)

(Fig D)

**Step 4:** Using the four square holes on the bottom of the front bumper as a guide, center punch and drill through the factory cross member using a <sup>1</sup>/<sub>2</sub>" drill bit. (Fig E, F) Make sure there are no wires or other obstructions in the way before drilling. Note: Again to variances in vehicle manufacturing these holes may be off and not line up properly. If you are unable to install these it does not the integrity or the bumper or winch.







- **Step 5:** Attach the bottom of the bumper using 4 ea carriage bolt, flat washer, lock washer and nut. (Fig D) Torque bolts to 45 ft.lbs. Due to the variances in manufacturing there may be a small gap between the bottom of the front bumper and frame cross member.
- **Note:** On some newer models the side vertical pieces of the front lower frame will need to be trimmed. First check to see if it will be required by holding up your bumper to the front frame mount locations. If you determined it needs to be, set the bumper to the side and trim. Trim it so its flush with the horizontal bar. (Fig G, H)



Always use extreme caution when cutting/trimming. Touch up area with a primer or something similar before installing your bumper.



(Fig G, BEFORE)



(Fig H, AFTER)

**<u>Step 6:</u>** Installation is now complete.

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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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