

## Jeep Wrangler JL & JT Tube Front Bumper Installation Instructions

Thank you for purchasing our Jeep front tube bumper!

### Installation Notes:

- This bumper is designed to be used with the Warn Zenon series winch. Other winches with a 10"x4.5" bolt pattern may fit, but have not been tested.
- This bumper will not accommodate your factory fog lights. Holes have been added to the top of the bumper to accommodate aftermarket lights.
- Some of the existing factory hardware will be re-used. Do not discard any hardware until installation is complete.
- It is recommended to test all components for proper fit, before painting or powder coating.

### Tools Required:

- Ratchet and Socket set
- Combination Wrench set
- Standard allen wrench set

### Step 1:

Remove your factory front bumper. Due to the variations in factory front bumpers it is recommended to consult the factory service manual for your particular model for proper procedure. Retain all hardware that you remove.

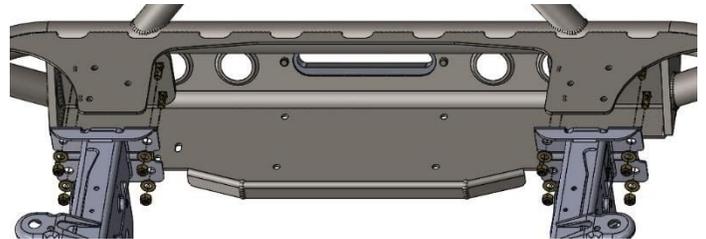
### Step 2:

If installing a winch, install the winch fairlead on the new bumper now with the hardware provided with your fairlead.



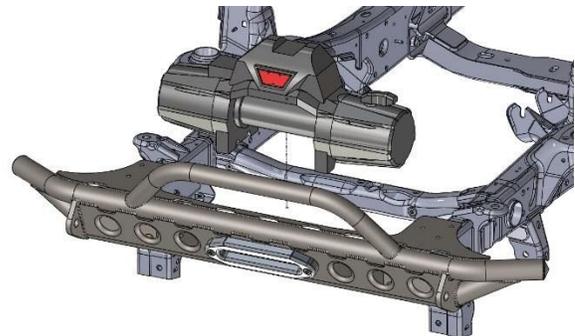
### Step 3:

Place the new bumper on the Jeep. Line the 8 studs in the bumper up with the 8 holes in the flanges on the front of the frame. Install the provided 8 flat washers and nuts on the studs. Start the nuts only a couple of threads.



### Step 4:

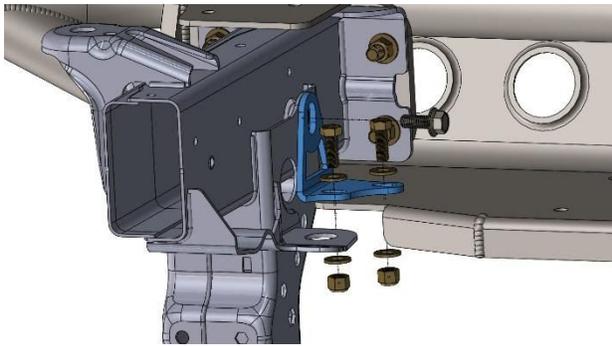
If installing a winch, place the winch in the bumper now, but do not install any mounting hardware in the winch. It may be necessary to slide the bumper forward to lower the winch into place.



### Step 7:

#### Step 5:

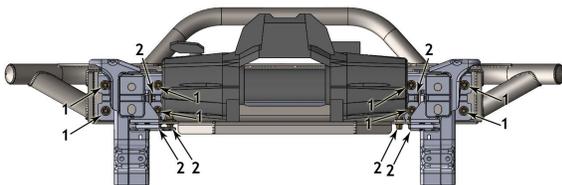
Hand tighten the 8 nuts installed on the studs in step 3. Place the two side brackets on either side of the winch. Install two 3/8"-1 bolts with washer on the top and bottom and a 3/8" lock nut on the bottom on each bracket. Bolt the bracket to the frame with the OEM bolt that was removed in step 1. It may be necessary to shift the winch in the bumper to gain access to all hardware. Repeat for the opposite side.



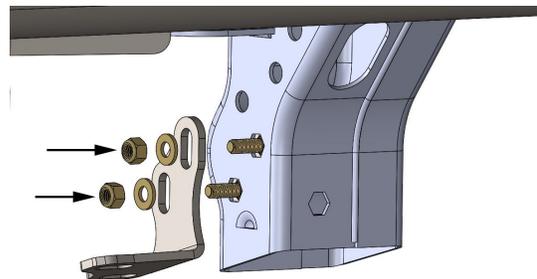
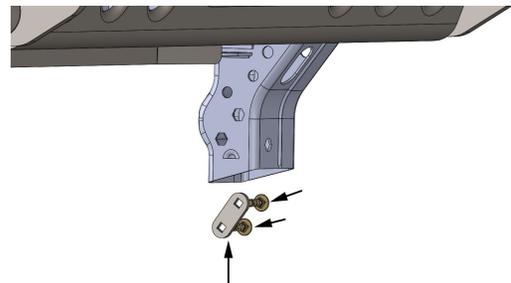
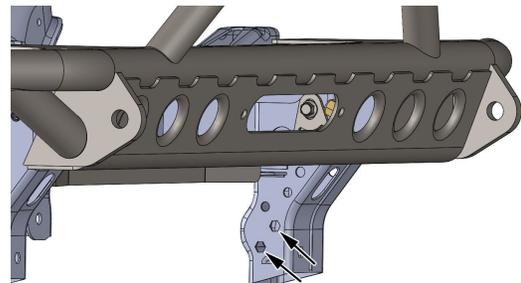
\*Winch has been removed from image for clarity. Winch should still be inside bumper at this point in the installation.

#### Step 6:

Tighten the 8 nuts holding the bumper to the flanges on the end of the frame rail (1). Once these are tight, tighten all the hardware in the side brackets (2).



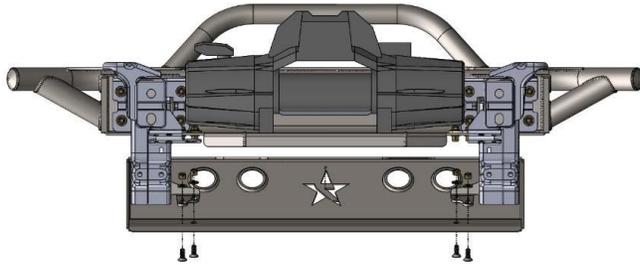
Install the crash bar skid lower brackets at the locations shown below. Threaded inserts will already be installed in the frame on models with a steel bumper from the factory. Re-use the factory hardware to attach the brackets on both sides. Models that came with a plastic bumper will need to have the supplied carriage head bolts installed into the bolt retainer plate, and then the assembly installed inside the frame at the location of the two hex holes. The crash bar skid lower brackets can then be installed with the provided washers and lock nuts. Repeat this for both sides.



(Jeeps with OEM steel bumpers will re-use factory hardware in this step.)

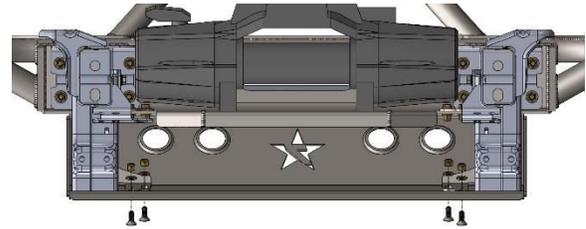
**Step 8:**

Install the lower skid plate, using the 2 stainless steel countersunk allen head bolts in the bottom. Place one nut and one washer on the bracket side of the bolt. Hand tighten hardware at this time.



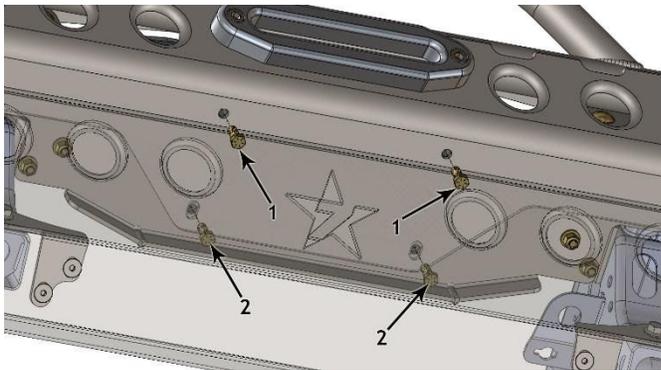
**Step 10:**

Tighten the four countersunk bolts in the bottom of the skid plate. Then tighten the two bolts in the front of the bottom skid plate bracket.



**Step 9:**

Using the hardware supplied with your winch. Move the winch into place, install the two mounting bolts at the front hand tight (1). Move the skid plate until the back two holes line up and install the back two bolts (2). Tighten all four bolts.



**Step 11:**

Ensure that all hardware is tight. Re-tighten all hardware 500 miles after installation. Check hardware for tightness after every 3000 miles.

Congratulations you have now completed the installation of your JL front tube bumper!

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\*Skid plate transparent to show bolt locations