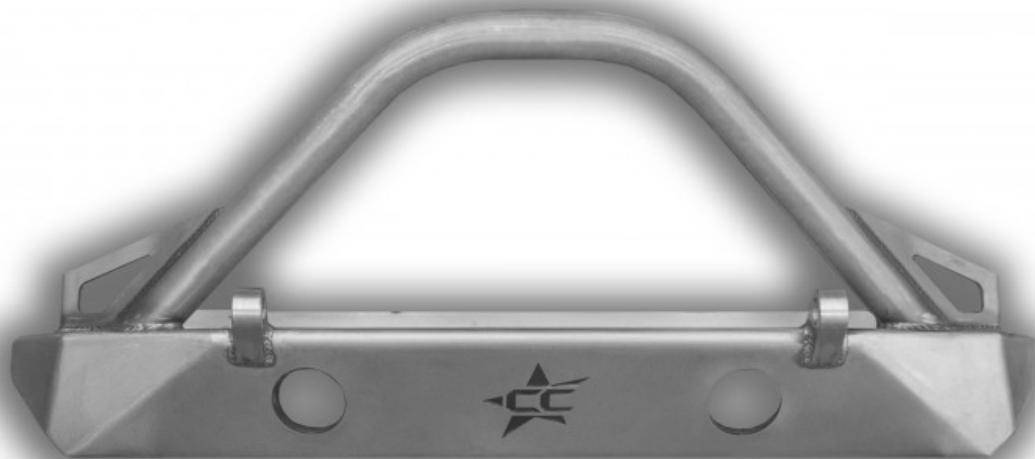




# **Crawler Conceptz JK Skinny Series Front Bumper Installation Instructions**



**\*\*\* PLEASE WEAR PROPER SAFTEY EQUIPMENT DURING THE ENTIRE INSTALLATION \*\*\***

**Required Parts and Tools**

**Parts**

- Skinny Series Bumper
- (4) ½" x 5 1/2" Grade 8 Bolts
- Washers and nuts

**Tools**

- 1 Metal cutting tool Sawzall or 4 ½" Angle grinder with cut off wheel
- 1 Grinding tool. 4 ½" Angle grinder with grinding wheel or flap wheel
- Drill with ½" metal cutting drill bit
- Marking punch and hammer
- Rubber mallet or dead blow hammer
- Measuring tape
- Sockets and wrenches
- Safety equipment gloves and eye protection

# Step 1: Remove factory bumper and trim pieces

Remove the factory bumper and trim pieces

If you ordered a skinny series front bumper with fog light holes and plan to reuse the factory fog lights, remove them from the front bumper for installation into the new bumper.

**\* 2012 and newer JK's will require relocation of the vacuum pump \***

# Step 2: Removal of frame horns

Measure from the front of the frame, back 2 inches. Mark and cut, removing 2 inches of the frame and frame horns. Use a Sawzall or cut off wheel on a 4 ½" inch angle grinder.





## Step 3: Removal of the front factory cross member

With a cut off wheel, carefully cut the welds and the front cross member off of the Jeep. Once you have completed this, grind any high spots down flush with the frame using a grinding disk or flap wheel.

Make sure the frame rails are smooth, as the new Skinny Series bumper has really tight tolerances and hugs the frame rails. Put a coat of black spray paint on all of the exposed metal surfaces on the frame to prevent exposure to rust.



## Step 4: Drilling mounting holes

With a ½” drill bit, drill out the two holes that are on the top of the frame close to the grill. See picture below



Once these are drilled, slide bumper over the frames and insert one of the ½”x5 ½” bolts into each of the back two mounting holes on the bumper through the holes you just drilled out to ½”.

Leaving the bolts in the top two holes, keeping the bumper in place. With a Marking punch, use the bumper as a template. Mark the rest of the holes on the top and bottom of the bumper. Remove the bumper, then drill the new holes on the top and bottom of each frame rail with a ½” drill bit.

**\* You can leave the bumper on to drill the holes. But you risk damaging paint or coating on bumper \***

## Step 5: Installing the bumper

If your bumper has fog light holes, install fog lights into the bumper. Place the bumper on the frame rail. Insert the (4)  $\frac{1}{2}$ "x5- $\frac{1}{2}$ " Grade 8 bolts in the bumper and frame through the holes you drilled in Step 4. Using supplied washers and nuts, tighten the bolts firm. This completes the installation of the JK Skinny Series Front Bumper.