

# Smittybilt XRC Rear Bumper Installation Guide

## Part # 76856

**Installation Difficulty:** Easy

**Installation Duration:** 2 Hours

**Tools Needed:**

- 13, 16, 17, 18, 19mm wrenches and/or sockets
- Socket extension
- Torque wrench (ft. lbs.)
- T15 torx bit
- Drill and 1/2" drill bit, 5/16" drill bit
- Level
- Flathead screwdriver

**NOTE:** The rear bumper is heavy. It is recommended that you have a second person to assist with the install.

### BEFORE



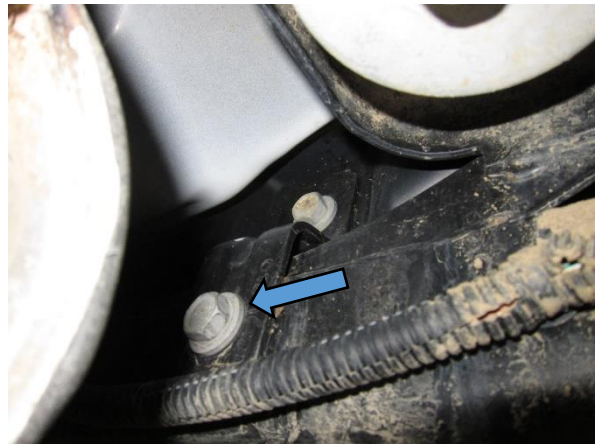
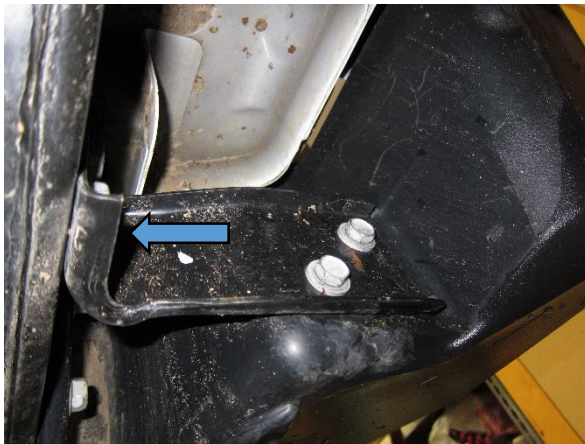
## **Step One: Remove Factory Rear Bumper**

### **S1: Part One**

Remove your 5<sup>th</sup> wheel and place to the side.

### **S1: Part Two**

There are 6 bolts to remove (16mm). Two each located at each corner, and two along the middle of the bumper. Remove these bolts from below and under the Jeep. Once these bolts are removed, the bumper simply slides up, out, and off.



## **Step Two: Remove Rear Bumper Support Hardware / Trailer Hitch (if equipped)**

### **S2: Part One**

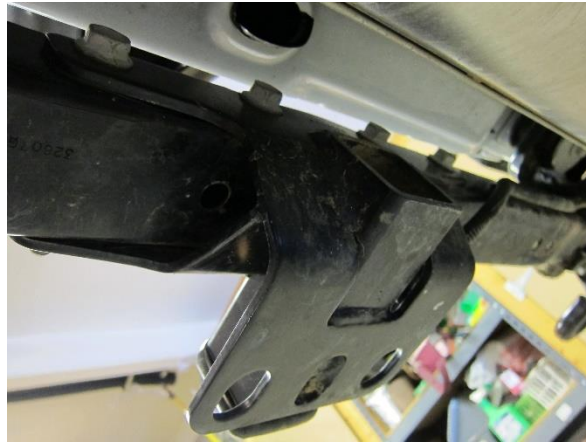
If your Jeep is equipped with a trailer hitch, unclip the wiring harness by pulling down.



### **S2: Part Two**

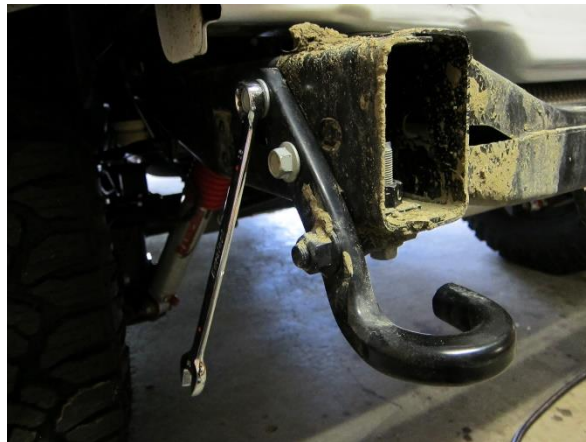
Remove the 4 bolts securing the trailer hitch to the rear bumper support (18mm).

\*These bolt holes will be used to secure the new bumper.



### **S2: Part Three**

Remove the 3 tow hook bolts (18mm), and pull down to remove the tow hook.



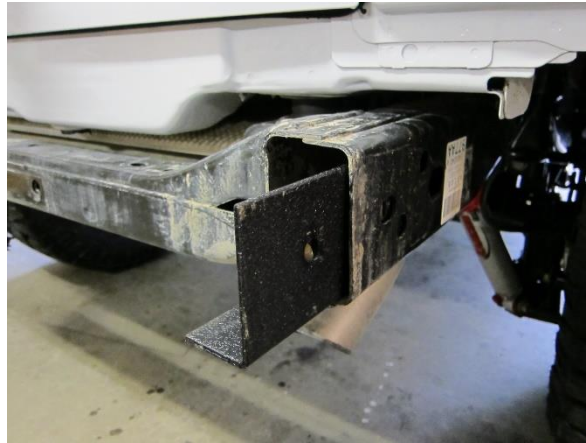
### **Step Three: Drill Out Bumper Support Holes**

Using a drill and a ½" bit, enlarge the 4 holes in the bumper support.



### **Step Four: Insert Nut Plate**

Insert the nut plates into the rear frame rails. One on each side of the Jeep.



### **Step Five: Remove Factory Tire Carrier**

#### **S5: Part One**

Inside the tailgate, pop loose the vent using a flathead screwdriver. Inside that opening, there is a connection for your third brake light. Push on the clip and pull it apart.



### S5: Part Two

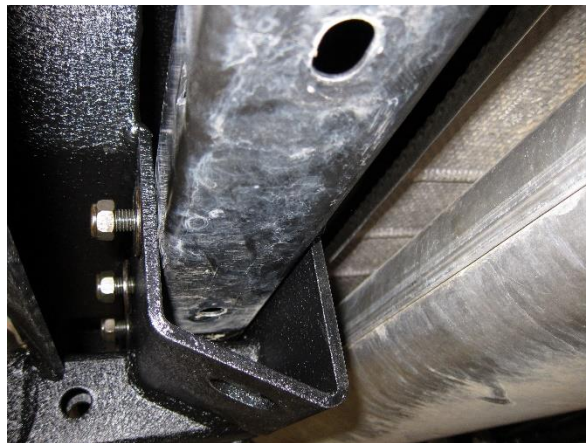
Unscrew the 8 bolts securing the stock tire carrier, and place the unit aside (18mm).



### Step Six: Install Smittybilt XRC Bumper

#### S6: Part One

Slide the new bumper onto the rear bumper support, lining up the 4 bolt holes on the bumper support, with the 4 bolt holes on the new bumper. Insert the four 4½" x 1¾" bolts through washers, then through the bumper support and new bumper, and finally cap with a washer/nut. The bolts are 18mm, nuts are 19mm. Do not fully tighten yet.



### **S6: Part Two**

Slide two 4½" x 1¾" bolts (18mm) through washers, then through each side of the bumper, and into the previously installed side rail nut plate. Do not fully tighten yet.



### **S6: Part Three**

Check the level of the bumper, and adjusting accordingly. Tighten all of the bumper bolts to 90 ft. lbs.



### **Step Seven: Install Tire Carrier**

Place a nylon washer over the bumper post, slide the tire carrier onto the bumper post, and place one more nylon washer on top. Close and latch the tire carrier.

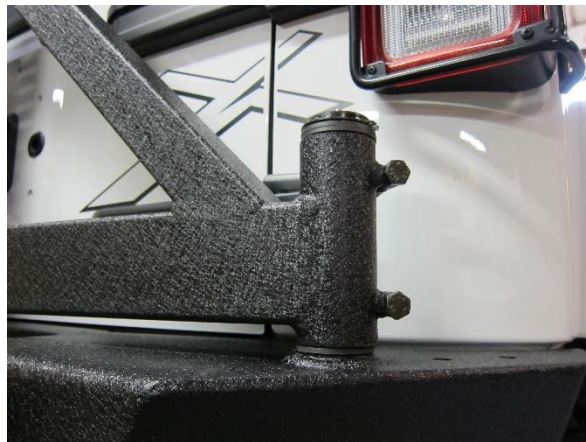
\*The kit comes with a few extra nylon washers to use as necessary to perfect the height. Additionally, do not fully tighten any hardware until the entire unit is assembled and functions smoothly.

#### **S7: Part One**



#### **S7: Part Two**

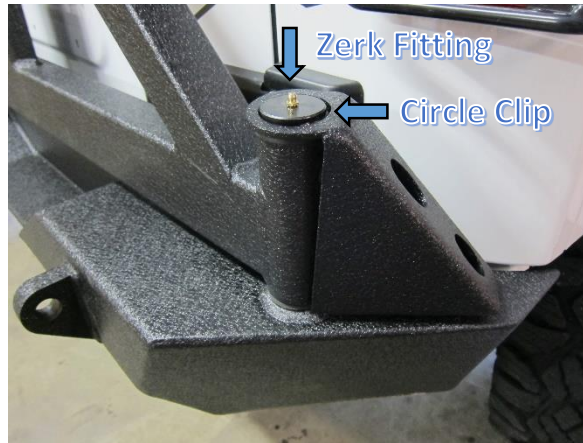
Install the 3/8" x 1 3/4" bolts into the bumper post (no washers needed), and slightly tighten. The bolts are 16mm and the nuts are 17mm. \*By tightening or loosening these bolts, you can raise/lower the tire carrier so that it cleanly latches.



### **Step Eight: Install Brace**

Install the tire carrier angled brace over the post, and over the 2 holes in the bumper. Secure using the supplied 3/8" x 1 1/4" bolts. The bolts go through a washer, through the brace/bumper, then are secured from the bottom with a washer/nut. The bolt is 16mm and the nut is 17mm. Top off the bumper post with the circle clip.

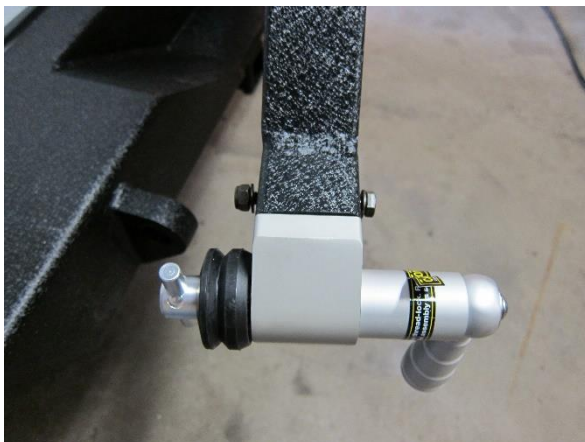
\*If the zerk fitting was not installed by the manufacturer, install it now.



### **Step Nine: Install Handle Assembly**

\*The handle assembly comes pre-installed to the swinging tire carrier. This must be removed, bracket added, then reinstalled.

Remove the 2 bolts securing the handle assembly to the swinging tire carrier (13mm). Place the support bracket provided in the parts bag on the inside of the swinging tire carrier (towards the Jeep). Close/latch the carrier, then secure with the same 2" x 1/2" bolts (13mm). The bolts go through washers, through the tire carrier and handle assembly, through the support bracket, then capped with washers/nuts.





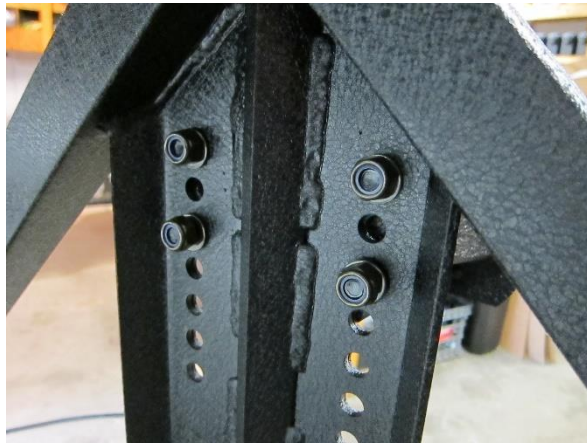
### **Step Ten: Tighten Hardware**

With the swinging tire carrier door functioning smoothly, tighten the post, brace, and latch hardware.

### **Step Eleven: Install Tire Carrier and 3<sup>rd</sup> Brake Light Lower Bracket**

#### **S11: Part One**

Position the 3<sup>rd</sup> brake light lower bracket onto the tire care swinging gate. Then slide the 4 studs on the tire carrier bracket through the 3<sup>rd</sup> brake light lower bracket and tire carrier swinging gate. Secure with four 3/8" washers and locking nuts (19mm).



#### **S11: Part Two**

The top mounting holes for the 3<sup>rd</sup> brake light lower bracket are not pre-drilled into the swinging tire carrier. Center punch, pre-drill these holes with a 5/16" bit, then screw in the provided 3/8" x 1" self-tapping bolts (13mm).



## **Step Twelve: Assemble 3<sup>rd</sup> Brake Light Upper Bracket / Install**

### **S12: Part One**

Disassemble the factory 3<sup>rd</sup> brake light bracket by removing the four T15 torx screws in the back. Place the 3<sup>rd</sup> brake light into the newly provided metal 3<sup>rd</sup> brake light upper bracket, and secure using the same four torx screws.



### **S12: Part Two**

Secure the 3<sup>rd</sup> brake light upper bracket onto the 3<sup>rd</sup> brake light lower bracket connected to the swinging tire carrier. Test fit to make sure the rubber of your tire fits into the "C" cup and that the 3<sup>rd</sup> brake light clears the top of your tire. Secure the 3<sup>rd</sup> brake light to the bracket with the provided 3/8" x 1" bolts (13mm). The bolts will slide through washers, through the upper and lower 3<sup>rd</sup> brake light brackets, and be secured in back with washers and nuts. Torque to 15 ft. lbs.



### **S12: Part Three**

Run the 3<sup>rd</sup> brake light wiring back into the tailgate, re-clip the wiring pieces together, and pop the black plastic vent piece back in place.

**AFTER**



Installation Instructions Written by ExtremeTerrain Customer Peter Katowicz 5/15/15