



**Body Armor 4x4 by Tolar Mfg.**  
**258 Mariah Circle, Corona CA 92879**  
**Ph: 951-808-0750**

**Customer service hours:**  
**8AM to 4 PM Pacific Time M-TH: 8AM to Noon Friday**  
**[www.bodyarmor4x4.com](http://www.bodyarmor4x4.com)**

**Installation instructions for JK-3105 Winch Mounting System for OEM JK Bumper**  
**Fits 2007- Current Jeep Wrangler JK**

**\*\* This winch mount system is designed light duty use for the occasional user. This system is rated for up to an 8000 pound maximum winch capacity. We recommend using a full replacement bumper if the plan is to use the vehicle for moderate to serious off road use. (Our bumper PN's JK-19331, JK-19431 & JK-19531)**

Hardware List:
4 - 1/2"-13x3.5" Hex head bolt
8 - 1/2"-13x2.5" Hex Head Bolts
12 - 1/2" Hex Nuts
40 - 1/2" flat washers
12 - 1/2" Lock washers
2 - 2"x4" Spacer Tubes
4 - 7/8"x3.75"x1.5" spacers
2 - frame brackets
1 - Winch plate

**\*\* Inspect all parts and verify hardware prior to installation. Report shortages immediately to 951-808-0750**

- 
- Step 1** Remove center frame cover and lower plastic skid plate. (Replace OEM skid plate with Body Armor skid plate PN JK-5123 If desired)
- 
- Step 2** Locate the 4 nuts on the inside of the bumper, remove all 4 of these nuts. Now carefully remove plastic shell and set aside.
- 
- Step 3** Now that the Under Bumper is exposed you can now remove it by removing the 8 nuts located on the inside of the frame horns.  
 This will also remove the factory tow hooks if equipped. Remove bumper and tow hooks. You will not be reusing the tow hooks
- 
- Step 4** Locate the 2 frame brackets, these are identical brackets that will straddle the frame horns. Insert two 1/2"-13x3.5" bolts with flat washers. Slip a flat washer over the bolt so that it is against the bolt head. Now insert the one bolt and washer tin the slotted holes on the top of the bracket. There will be two bolts per bracket.
- 
- Step 5** Locate the 8 1/2"-13x2.5" hex head bolts, the 4 spacers and frame brackets & OEM under bumper. Place flat washer over the 4 bolts(per side), insert each bolt into the under bumper then place 2 washers over the bolt then slide the spacer on to the bolts 4 bolts per side.  
 With all 8 bolts on the under bumper, now lift the under bumper and insert the bolts into the frame horns.  
 With the under bumper in place take the frame brackets and slide them over the 8 bolts (4 bolts per side). Now place a flat washer lock nut and hex nut on the 8 bumper bolts. Do not tighten them at this time.
- 
- Step 6** Take the 2 - 2"x4" spacers and place them over the 4 - 3.5" bolts on top of the frame bracket. The holes on the spacer tubes need to be towards the outer edge.
- 
- Step 7** Pre install the winch onto the winch plate including the fairlead. Use the supplied hardware from the winch. Tighten this hardware now
- 
- Step 8** Before installing the winch plate tighten all of the other bolts. Now install the winch plate over the 4 bolts. Place flat washer, lock washer and hex nut over the bolts. Tighten them now. Wire the winch to the battery as per winch mfg specs.
- 
- Step 9** **Trimming the bumpers plastic shell.**  
 From the outer corner of the bumper measure in 20 1/4", mark there. Now measure 4 1/8" from there toward the center of the bumper, mark there. At the 20 1/4" mark measure up 2" then over 4 1/8", then back to the edge 1". Repeat this on other side. Pre-fit the bumper on the Jeep prior to cutting. **Make sure your measurements are correct before cutting.** Once confirmed then cut the plastic, you can use a metal saw or utility knife  
 Once you have cut the plastic shell then you can reinstall the bumper.
- 
- Step 10** Reinstall lower skid plate, dispose of the upper frame cover. Body Armor offers a steel replacement skid plate for real protection on the trail. It is designed to protect the expensive sway bar disconnect system as well. PN JK-5123. 2010 and up vehicles will require drilling into the run under bar to install the skid plate. Other models is a simple bolt on installation.

---

**Maintenance of Finish:**

---

*The Body Armor 4x4 products painted in a high quality powder coat paint, we also offer additional protection with a base E-coating process. In order to insure long paint life we highly recommend regular cleaning, wax is not required but recommended. If you get rock chips or scratches you need to touch up the paint. This will keep rust from developing and running under the powder coat causing the paint to peel off. This is not considered a warranty issue. Surface rust may appear, this usually occurs around the weld areas, you can clean this rust off with the use of a lubricant like WD-40.*

---

**Product Warranty:**

---

*Body Armor 4x4 products are warranted to be free of defects in material and workmanship prior to shipping and/or installation. Damaged cause to the product or vehicle from trail abuse or general misuse is not considered a warranted issue. Product warranty does not cover the labor cost of removal and installation of replacement product. Final determination of warranty claim is subject to approval by an authorized representative of Body Armor 4x4.*

---

**Images:**

---



Body Armor 4x4 by Tolar Mfg Co. Inc.  
258 Mariah Circle  
Corona, CA 92879  
PH: 951-808-0750  
Fax: 951-808-0041  
[www.bodyarmor4x4.com](http://www.bodyarmor4x4.com)

---