



Body Armor 4x4 by Tolar Mfg.  
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**Installation instructions for JK-2394, Rear bumper & 5293 Swing Arm  
Fits 2007- Current Jeep Wrangler JK, all models**

- \*\* Inspect bumper and swing arm prior to installation. Contact us at 951-808-0750 if missing parts
- \*\* Due to the weight of the bumper it is recommended at least two people for installation

**Hardware List:**

12 MM-35MM Hex Head Bolt Qty: 4	Swing Arm seal Qty: 1
16MM-50MM Hex Head Bolt Qty: 4	Large bearing Qty: 1
16MM Flat washer Qty: 4	Small bearing and sleeve Qty: 1
16MM Lock Washer Qty: 4	Large flat washer Qty: 1
8MM Button Head screws: 4	Castle nut Qty: 1
8MM Flat Washer Qty: 4	Swing arm cap Qty: 1
8MM Lock Washer Qty: 4	<b>5293 Includes:</b>
Nut plate insert Spacer Qty: 2	Swing Arm Qty: 1
Lug Nut Qty: 3	Tire mount Qty 1

**Removing Factory Bumper:**

- NOTE If not installing Body Armor new elevated CHSML light then proceed with steps 1 and 2  
If installing JK-5120 then you will need to proceed to step 3 (removal of OE tire mount)
- 1 Remove the plastic vented panel from the inside of the tailgate to access the center brake light plug and unplug it.
  - 2 Remove the rubber grommet and wires from the outside of the tailgate and reinstall the plastic vented panel on the inside.
  - 3 Remove the factory spare tire mount from the tailgate. Use the upper bolts to attach the JK-5120 CSHML light, otherwise reinstall all 4 bolts back into their original locations.
  - 4 Remove the rubber bump stops from the tailgate. DO NOT discard. These will be reused
  - 5 Remove the factory rear bumper. DO NOT discard the four 10MM bolts that are used on the outside of the frame. The will be reused.
  - 6 Insert the nut plates into the inside of the frame rails. They should be positioned to sit on the bottom of the frame with the nuts of the bracket aligning with the large holes on the outside of the frame.
  - 7 Place the lower bumper section on the frame and loosely attach using the four 16MM bolts with a lock washer and flat washer. Also reinsert the four 10MM from step 5. *NOTE: The 16MM bolt with lock washer and flat washer will insert through the bumper bracket, through the frame and into the nut plate brackets that were installed in step 6*
- NOTE Before installing the swing arm you MUST grease the bearings and pivot post and arm.

- 8 Insert the large bearing into the bottom of the swing arm, make sure that it seats properly. Then carefully insert the seal with the rubber lip so that it is inside the swing arm. Use either a piece of wood or some other material between the seal and the hammer or mallet other wise you may damage the seal. The seal will fit flush with the bottom of the pivot area of the swing arm. It will hold the lower bearing in place as well.
- 9 Slide the wing arm over the pivot post making sure that it sets all the way down.
- 10 Now insert the small sleeve with the inside taper facing up. The smaller bearing will slide into this sleeve. Once the small bearing is installed place the large flat washer over the top of the bearing, now install the large castle nut, tighten to 50 ft/lbs.
- 11 Install the dust cap with the "cupped" side facing down.
- 12 Install the cam lock latch to the swing arm. Use the four button head screws with washers  
*NOTE: The properly adjusted cam lock will pull the carrier tight against the stop and can be latched using one hand with about 20 to 25 pounds of force.*
- 13 With the swing arm latched against the bumper, push the upper assembly towards the the tailgate leaving about 1.5" between the carrier and the frame and tailgate in the area from where the bump stops were removed. Now tighten all bumper and frame bolts.\
- 14 Cut down the rubber bump stops that were removed earlier. They should be 2" in length
- 15 Loosely install the tire carrier plate onto the swing arm using the 12MM bolts, nuts and washers.
- 16 Lay the spare tire down with the side on flat ground. Measure the distance from the ground to the mounting surface of the wheel
- 17 Subtract 1/2" from the measurement taken in step 16 and set the mounting plate on the swing arm and tighten all six bolts. NOTE: This measurement should be the same at the left, right and lower area of the mounting plate so that it is square to the swing arm
- 18 Install spare tire using the lug nuts that are provided in the kit.

**NOTE** Recheck all bolts and latch after the first couple of hundred miles. It is advised to inspect the bumper and hardware periodically

