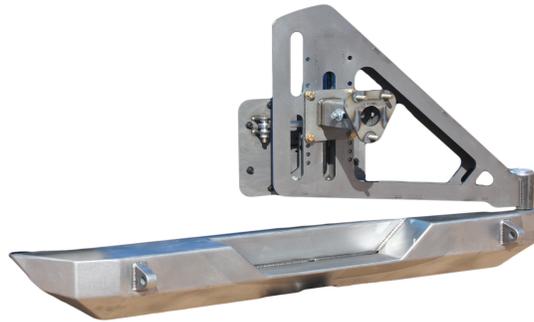




## JEEP JK ROCK CRAWLER REAR BUMPER with SWING-OUT TIRE CARRIER INSTALLATION INSTRUCTIONS



Our Jeep JK Wrangler rear bumper with tire carrier is definitely in a class of its own. Designed specifically for those looking for a one-hand operation when trying to open the tailgate on your Jeep. The tailgate and tire carrier swing open seamlessly with one hand, which is convenient when you have an armload of groceries or gear in the other. No latches or pins to undo.

**Before you paint or powder coat, mount the rear bumper/tire carrier assembly (minus grease and bearing seal) to ensure that it fits properly without risking damage to your paint or powder coat.**

Also, remember once painted or powder coated, the holes may become tighter due to the thickness of paint or powder coating.

### INSTALLATION PROCEDURE:

1. Park Jeep on level surface.
2. Remove the spare tire and the spare tire mount from the tailgate. Save hardware for further installation.



3. Disconnect the third brake light harness, which can be accessed through the rear panel of the tailgate.

4. Remove plastic tailgate vent from tailgate.





**5.** Begin with removing the four bolts securing the rear bumper to the frame. Save these bolts for the installation of the new bumper.



**8.** Install your new rear bumper over the ends of the frame lining up the holes with the factory holes in the frame.



**6.** If equipped with rear factory tow hooks, removal of them will be necessary at this time.



**9.** Install the supplied 5/8" bolts through the frame and into the L-shaped brackets. Thread in but leave them loose. Then install the four factory mounting bolts. Once mounting hardware is started, bumper can be leveled and squared up with body. Once satisfied, mounting hardware can be tightened.



**7.** Next, slide the L-shaped mounting brackets into the frame rails lining up with the factory holes in the frame.

**10.** Prepare tire carrier installation by packing the bearings with a good quality wheel bearing grease and smear an adequate amount inside the bearing housing and on the bearing races.



**11.** Flip tire carrier upside down and install the lower bearing and install lower seal with a suitable driver. **NOTE:** If no seal driver is available, a piece of tubing or large socket could be used to install the seal. Be careful to drive the seal in evenly and not to damage it.

Once seal is installed, lubricate the lip of the seal with some wheel bearing grease.



**13.** Install the tire carrier onto the spindle shaft on the rear bumper. Careful not to damage the threaded shaft or to damage the seal when sliding on. It may be necessary to seat the upper bearing down in with your fingers. Once bearings are seated, you can install the supplied washer and locking nut onto the spindle shaft. Torque lock nut while swinging tire carrier open and closed until you feel a slight resistance when opening and closing. The swining movement of the tire carrier will also help seat the bearings. There is no torque specification for this nut. You just need to get it as tight as necessary to properly seat the bearings and provide smooth operation without any play in the tire carrier. Once the tire is installed and the Jeep has been driven around, this nut may need to be torqued more to adequately get the play out of the bearings.



**12.** Flip tire carrier back over and install upper bearing into housing.



**14.** Bearing carrier cap can be installed. **NOTE:** Lube o-ring with grease first, then snug cap up. Careful not to mar the aluminum.



**15.** Swing tire carrier open and then tailgate plate can be installed on tailgate with original spare tire mount mounting hardware and tighten.



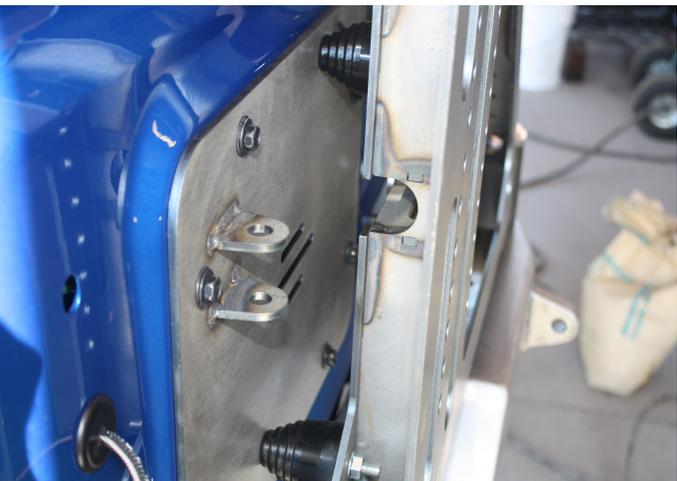
**18.** Fender washer shims may be necessary between bump stop and tire carrier (if not necessary, skip to step 19).



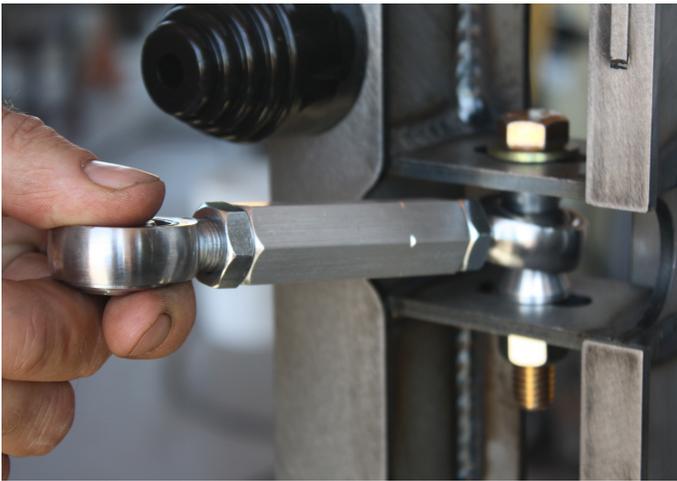
**16.** Install tire carrier bump stops and tighten with supplied nuts.



**19.** This is the key piece to the opening and closing of the swing out tire carrier. The heim joint (rod end) link has right hand and left hand threads for ease of adjustment.



**17.** Close tire carrier up against the tailgate plate. Both bump stops should contact tailgate plate at the same time. If not, shimming of bump stops may be necessary with supplied fender washers (see step 18).



**20.** Swing tire carrier open. Install link and attach tire carrier first with misalignment bushings. Install bolt, washers, and lock nut, center in slot and tighten hardware. Open tailgate and tire carrier to ease attaching the other end to the tailgate plate.

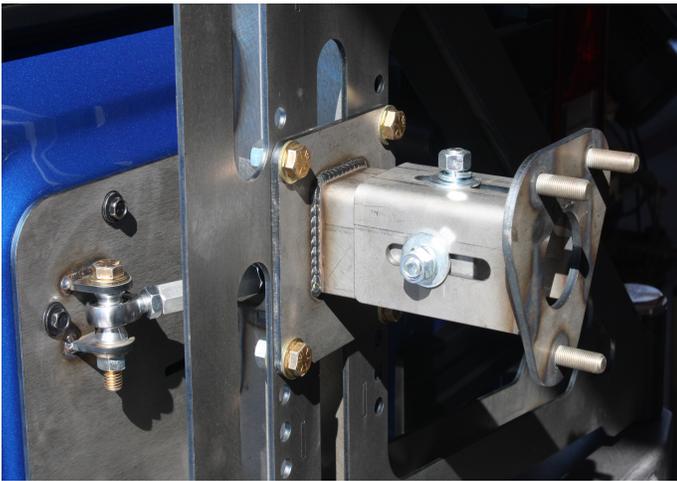


**22.** Adjustable link needs to be adjusted to create preload on bump stops and tailgate plate when tailgate is shut. This adjustment may need to be adjusted a few times, especially after the spare tire is mounted. You just want to make sure that when you shut the tailgate, that there is some resistance with the tire carrier, which will squish the bump stops slightly when tailgate is shut. Once satisfied with adjustment, jam nuts can be tightened.

**NOTE:** Rod ends may need some periodic cleaning and lubrication with a lubricant such as WD40. WD40 is great because it actually will help disperse water from the rod ends when wet. The dirt, periodic washing, or wet environment the rod ends are exposed to may create a slight creaking sound when going over bumps and body flex with the frame.



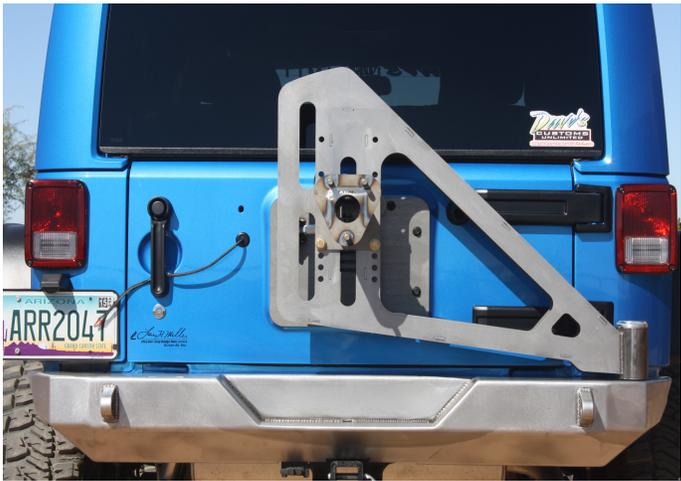
**21.** Attach other end of link to tailgate plate with misalignment bushings and align with a drift punch. Then install hardware and tighten.



**23.** Spare tire mount is fully adjustable up and down to accommodate stock tires or up to a 40" tire. Mount is also adjustable in and out to accommodate a variety of tire widths and wheel offsets.

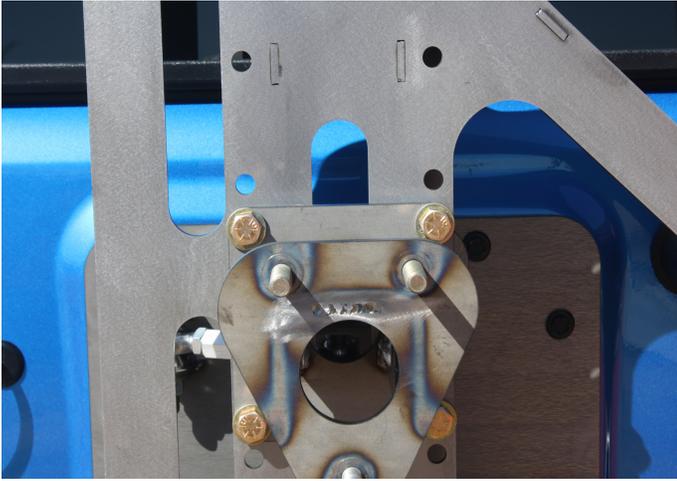
Install spare tire mount on carrier at your desired location for your particular tire size with supplied mounting hardware and tighten. Then set the in and out adjustment to have a slight preload of the tire against carrier when lug nuts are tightened. Tighten nuts.

**NOTE: Lug nuts are not included.**



**25.** Your installation is now complete.

**Don't forget we highly recommend installing the whole assembly (minus grease and bearing seal) prior to painting or powder coating. Also, remember once painted or powder coated, the holes may become tighter due to the thickness of paint or powder coating.**



**24.** Center hole in spare tire mount is designed for a standard 2" round LED light for a third brake. This can be easily wired into your factory wiring in your tailgate. **NOTE: Light is not included.**



# SHIPPING AND RETURNS

## RETURN POLICY

Original sales receipt must accompany returns.

We accept returns for exchange or refund 7 calendar days after delivery of the product. At our sole discretion after 7 calendar days, we will offer an exchange or store credit only. Items must be in “new, unaltered, and unused condition”.

Definition of new, unaltered and unused condition is:

- -without showing signs of wear or damage in any way
- -within 7 calendar days of the delivery date (after 7 days no returns are allowed)
- -must not be a special order or a custom order
- -unless noted that it cannot be returned or has a different return policy time period other than that 7 days noted in that item’s particular item description.

**All merchandise must be returned prepaid and insured at the customer’s expense for total value of product.**

**DAMAGE CLAIMS:** All orders are carefully packed; however, mishandling by the carrier can result in damage. The carrier has the responsibility for the shipment from the time it leaves our warehouse until it is delivered to you. All claims for lost or damaged goods should be reported to the carrier not to Dave’s Customs Unlimited, LLC.

If an item is incorrectly shipped by us please contact Customer Support immediately. Items that are defective and shipped from us or items that you did not order but received from us will qualify for store credit or a cash refund. Refunds are contingent upon inspection of item(s) once we receive it.

There is a 20% restocking fee for returned items that are not being exchanged and are not damaged. Again you **MUST** contact us within 7 days if you intend to return ANY item back to our store. Items returned to us **AFTER** 7 days and **WITHOUT** contacting us will **NOT** be refunded.

Customer is responsible for all shipping costs if seller is not at fault.

Please contact customer service for more information on returning an item. Thank you.

**SHIPPING:** We try to keep all products in stock; however, sometimes we get caught without the item you may need on the shelf. If an item is out of stock, please allow 1-4 weeks for delivery.

**WARRANTY:** All merchandise is warranted to be free from defects in materials and workmanship prior to installation. Because all parts we sell are intended for use in heavy-duty or off-road applications, it is not possible to warranty or guarantee the performance of any items. Modification of your vehicle to enhance performance with parts sold by Dave’s Customs Unlimited, LLC may create a dangerous condition which could cause serious bodily injury and the buyer hereby expressly assumes all risk associated with any such modifications. All parts sold by Dave’s Customs Unlimited, LLC are for racing or off-road use only. Dave’s Customs Unlimited, LLC will not accept responsibility for personal injury or property damage arising from the failure of any parts manufactured or sold by Dave’s Customs Unlimited, LLC.

## ***Hold Harmless Agreement:***

1. In purchasing a Dave’s Customs Unlimited, LLC product, I release, waive, discharge, and covenant not to sue Dave’s Customs Unlimited, LLC officers, servants, agents, or employees from any and all liability, claims, demands, actions, and causes of action whatsoever arising out of or related to any loss, damage, or injury including death that may be sustained by me or anyone else, any property belonging to me, or anyone else whether caused by the negligence of the releasees or otherwise while working on, using, or any activity related to this product.

2. I am fully aware of risks and hazards connected with the use of this product and I elect to voluntarily engage in such use of this product knowing that the use may be hazardous to me and my property. I voluntarily assume full responsibility for any risks of loss, property damage, or personal injury including death that may be sustained by me or anyone else, or any loss or damage to property owned by me, or anyone else as a result of using this product whether caused by the negligence of releasees or otherwise.
3. I further agree to indemnify and hold harmless the releasees from any loss, liability, damage or costs, including court costs and attorney fees, that they may incur due to my use of this product, whether caused by negligence of releasees or otherwise.
4. It is my express intent that this Release and Hold Harmless Agreement shall bind the members of my family and spouse, if I am alive, and my heirs assigns and personal representative, if I am deceased, and shall be deemed as a release, waive, discharge, and covenant not to sue the above named releasees. I further agree that with this Waiver of Liability and Hold Harmless Agreement shall be construed in accordance with the laws of the State of Arizona.

By accepting this product, I acknowledge and represent that I have read the above Waiver and Liability and Hold Harmless Agreement, understand it and accept it voluntarily as my own free act and deed; no oral presentations, statements, or inducements, apart from the foregoing written agreement, have been made; I am at least eighteen (18) years of age and fully competent; and I execute this Release for full, adequate, and complete consideration fully intending to be bound by same.

**If you do not agree with the preceding Hold Harmless Agreement,** you may return the product and receive a full refund. Please contact a Dave's Customs Unlimited, LLC representative regarding the product in question. Once the product has been received by Dave's Customs Unlimited, LLC and inspected, a full refund will be issued.

**FIT and TOLERANCES:** All parts sold by Dave's Customs Unlimited, LLC are the results of countless hours of research, testing, fitting, and refining. There is a large variation in tolerance from vehicle to vehicle. In addition to the factory tolerances, most people install other than factory equipment (aftermarket add-ons). Dave's Customs Unlimited, LLC has done the best job we can to ensure that our parts fit with some of these possibilities. This is why Dave's Customs Unlimited, LLC installs "several slots" in which to mount our brackets and other products; however, you may find it necessary to grind, elongate, bend, or force the parts you buy to fit on your particular vehicle. Be sure that you want to install them before you modify them. Please use common sense when installing these parts and let us know how we can improve them.