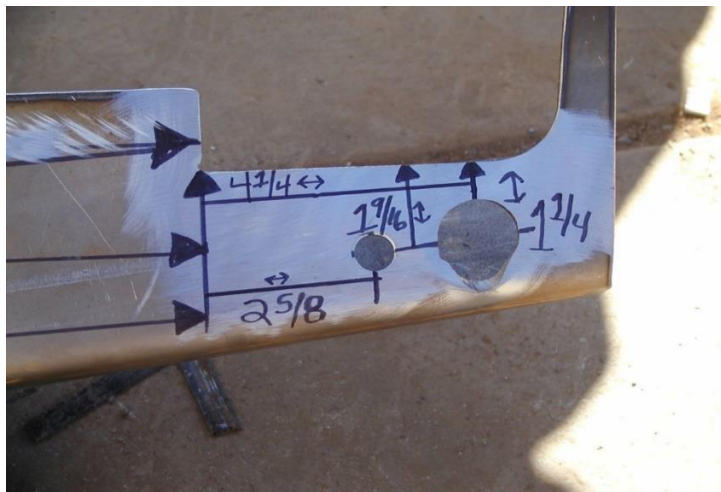


# ProtoFab

## Retro-Fit Tire Rack Tips for Install on a ProtoFab Bumper



The contents of this kit.



Early Bronco Bumper approx. cutting specs.

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The post gets welded into the bumper where you drilled your holes according to the measurements in the pictures above. The rack attaches to the post as shown in this photo.

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Cam Assembly. The small shaft collar goes on the outside of the assembly when mounted on the post. It is tightened on with the set screw.

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This is the face plate for the rack. Note the slot at the bottom. This is the stop wedge slot. See below.



This is the stop wedge. The wedge will slide into the slot on the face plate when bumper is closed. Note the cam bale in this picture as well.



Cam Bale - Sandwiches the bumper. The cam hook attaches to this when the rack is closed.



### Disclaimer

In no event shall ProtoFab be liable whatsoever for any direct, indirect, punitive, incidental, special or consequential damages to property or life arising out of or connected with the use or misuse of our products. Buyer agrees and acknowledges that any product purchased from ProtoFab or its' affiliates should be used at their own risk. Buyer should assess the risks individual to them before purchasing or using any of ProtoFab's products. Buyer agrees that, in the event that ProtoFab is deemed liable for any harm caused, the amount which it shall be liable to buyer shall be limited to the cost of the product.

### Installation

ProtoFab recommends this product be installed by an experienced and qualified professional. It is the installer's duty to ensure a safe and controllable vehicle after the modifications have been performed. ProtoFab will not be responsible for any altered product or improper installation or use of our products. New hardware **does not** come with product and can be purchased at any hardware store. Installer should inspect original bolts/nuts and ensure they are not compromised in any way before reusing them. If any hardware is compromised, ProtoFab recommends they be replaced and not reused.

### Powder Coat / Paint Requirements

It is the buyer's responsibility to fit the product on the vehicle **BEFORE** powder coat/paint is applied to the product to ensure the correct product has been delivered and that it fits your truck as expected. ProtoFab is not responsible for reimbursement of any charges from powder coat/paint company, even in the event that the incorrect product has been delivered.

This product may require special care when applying powder coat as there are several components on our products that cannot be powder coated. Everything is machined for a tight fit, because of this, wet paint is best for any contact points on the product (barring bumper frame mounts which are ok to powder coat). **AVOID THICK LAYERS OF PAINT OR POWDER COAT ON ANY CONTACT POINTS.** Also, before disassembling **ANYTHING**, ProtoFab insists that powder coat/paint company take photographs to aid in ensuring all the parts are returned to the customer as well as an aide putting it back together. For any questions, please give us a call at (928) 632-0216 or send us an email at [info@protofab4x4.com](mailto:info@protofab4x4.com).

**If equipped with a cam latch assembly, DO NOT** powder coat it or the post it is attached to, as there is not enough clearance for powder coat. It is best to leave the post **bare steel** as this will need to remain greased to ensure proper function, however you may use regular wet paint as long as you do not apply a thick layer of paint. The cam latch assembly can be removed from the post on the tire rack without complete disassembly. Simply loosen the set screw on the 1" shaft collar located on the outside of the cam. This allows the entire unit to slide off the post in one piece. Before removing the cam assembly from the post, mark the left and right shaft collars and take pictures of the correct assembly for reference upon re-assembly. You will need to line the timing marks back up when you put it back on the post. Once they are lined up properly, tighten the set screw to keep it in place.

**If equipped with a Jerry Can rack,** the upright post is another contact point that cannot be power coated. The jerry can hook moves up and down on the post while it is not latched. The **OUTSIDE** of the jerry can hook can be powder coated, so long as you mask off the small hook on the back side as the eye loop will not allow for clearance of powder coat and the jerry can hook will not work properly if powder coated. Also, **DO NOT** powder coat the interior of the jerry can hook as this is machined for a tight fit. Regular wet paint is best. Any other contact points (for example, the wedge plates that keep the rack seated when it is in the closed position) are also recommended to avoid powder coat. Wet paint is best for any contact points on the bumper. **AGAIN, AVOID THICK LAYERS OF PAINT OR POWDER COAT ON ANY CONTACT POINTS.** For any questions, please give us a call at (928) 632-0216 or send an email to [info@protofab4x4.com](mailto:info@protofab4x4.com)

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LINE UP YOUR  
COMPONENTS  
ACCORDINGLY

CAM TIMING MARKS SHOULD BE LINED UP  
TO ENSURE CAM LOCKS THE HOOK ON THE  
CAM BALE. SHOULD FEEL LIKE LOCKING A  
VICE GRIP.

TAPE OFF CAM POST WHEN PAINT/  
POWDER COATING. ALSO MAKE SURE ANY  
THREADS OR OTHER CONTACT AREAS ARE  
TAPED OFF.

## Returns/Refunds

ProtoFab will accept returns as long as the returned product is in its **ORIGINAL** condition. Buyer will be responsible for any and all shipping charges. If buyer/consignee receives an item that is damaged, they must mark "damaged in transit" (or equivalent) and notify ProtoFab via email within 48 hours with a photograph of the damages on product as well as a photograph of the product as a whole. If you fail to report damages in this time frame, ProtoFab cannot file a claim with the carrier, and nothing can be done to recuperate charges. ProtoFab is not responsible for reimbursement of any labor costs or project delays that may occur due to the receipt of damaged goods and recommends that you wait to schedule installation until after your product has arrived and been inspected. ALL non-defective returns must be PREPAID BY THE CUSTOMER and have prior approval by ProtoFab. Custom orders, modified items, painted or powder coated items or products already installed are NOT eligible for return. Please test fit and inspect all items prior to modification of any sort or installation.

## Driver Responsibility

This vehicle has been modified and may have unique handling characteristics. Using this vehicle in harsh environments can cause extreme stress on the certain components. Vehicle should be inspected after being off road to ensure that all components are in working order and safe to travel on the highway. All fasteners should be checked, and correct torque specifications should be met as vibration and stresses from off-roading may cause critical fasteners to work loose.