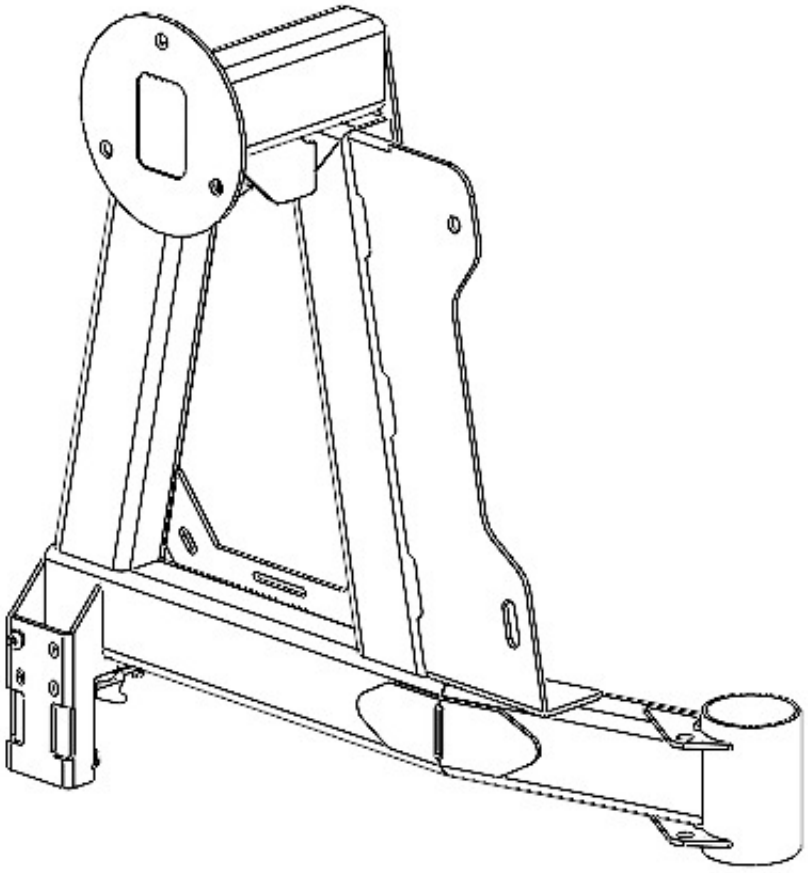
UNIVERSAL
DIY TIRE CARRIER
INSTALL INSTRUCTIONS



Please read the mounting instructions below carefully before attempting to install.

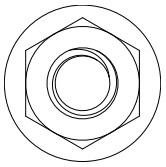
Be sure to check out the install video on the product page, if available.

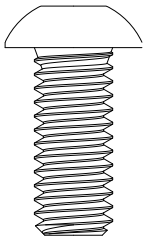
Thank you for purchasing from JCR Offroad! Checkout our website, jcroffroad.com for other great off-road products. Be sure to rate and review our product online. If you have any questions or are missing parts, please don't hesitate to call us at 269-353-1184!

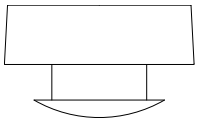
INCLUDED HARDWARE

INCLUDED BOLT PACK(S) 046-0180

Note: Some Victory 4x4/JCR Offroad/SquatchProof products share hardware kits. Any extra hardware you may recieve that is not listed below can be repurposed or discarded.

6x  5/16"-18 Serr. Flange Nut

6x  5/16"-18 x 3/4 Button Head

4x  Rubber Push In Bumpers

1x 1/2" x 4-1/2" Quick Release Pin

1x Horizontal Clamping Latch

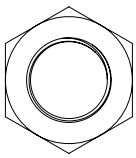
1x Tire Carrier Latch Catch

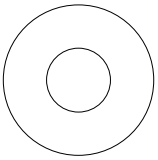
2x Bearings

1x Spindle Cap Wrench

1x O Ring

1x Bearing Seal

1x  1" Nut

1x  1" Washer

INCLUDED PARTS

6x Tube Pieces

1x #1Latch Bracket

1x #2 Latch Bumper Bracket

1x #3 Top Tube Brace

1x #4 Spare Tire Mount

1x #5 Spare Tire Brace

2x #6 Hub Brackets

4x #7 Tube Support Brackets

1x #8 Latch Catch

1x #9 High Lift Bracket

1x Hub

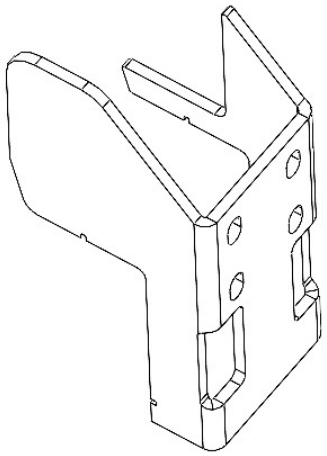
1x Spindle

1x Spindle Cap

ASSEMBLY

1. Before you start, bend all of your parts that need bent on the slit lines. Below you will see each part and how they should look after they are bent. There will be (4) parts that will need to be bent to 90. Then there will be (2) tube braces that will be 165 degrees.

1x



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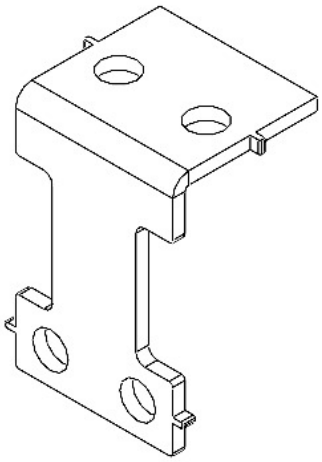

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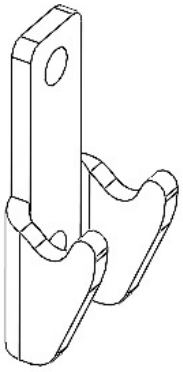

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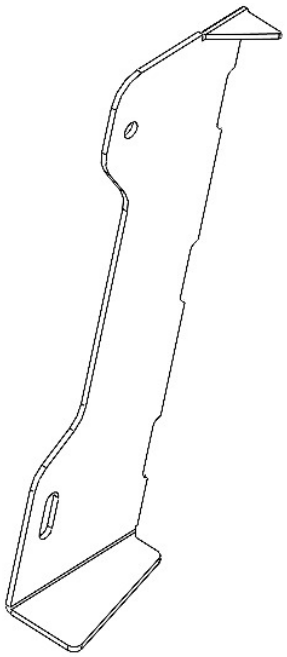
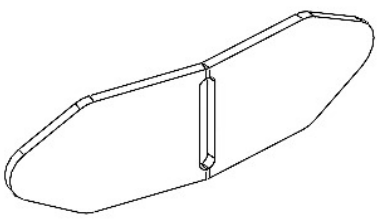
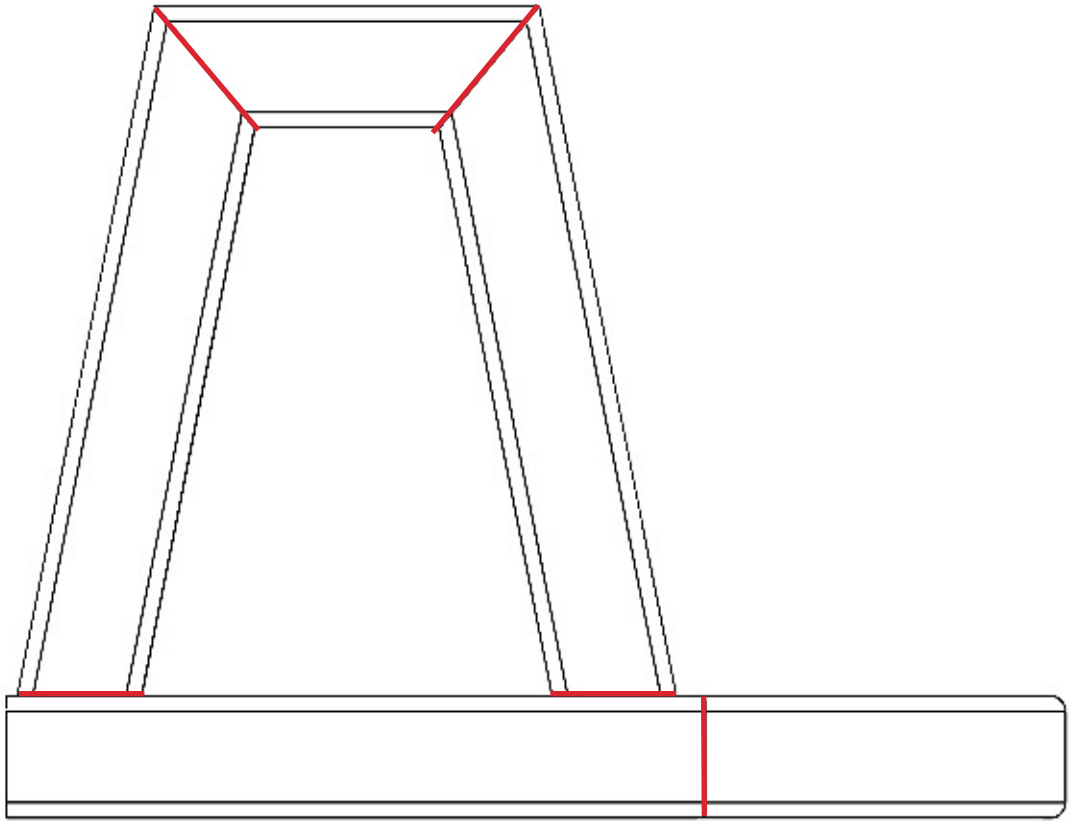


2x



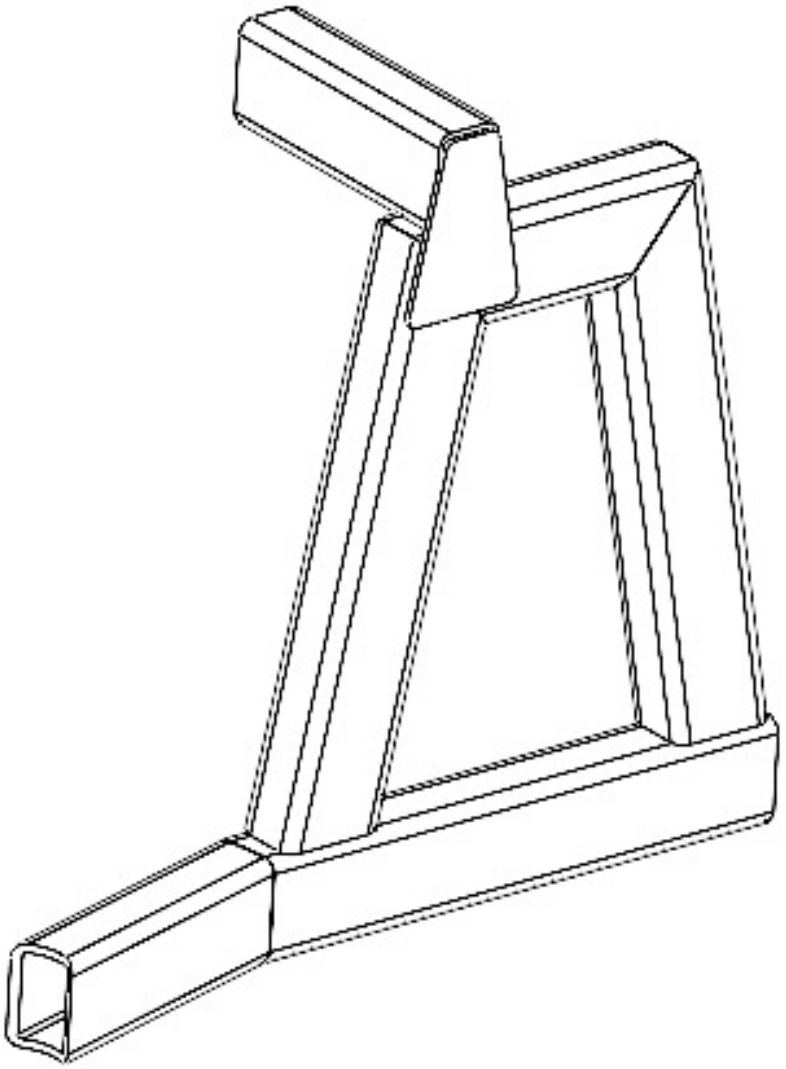
ASSEMBLY

2. Before fullying welding the carrier together, we recommend you solidly tack the majority of these parts together in case you need to make any adjustments. Take the (5) provided tube pieces as shown below, and weld them into the formation shown. Weld the tubes on the seams and make sure everything is level and square. There should be (1) leftover tube piece that will need to be welded on top next.



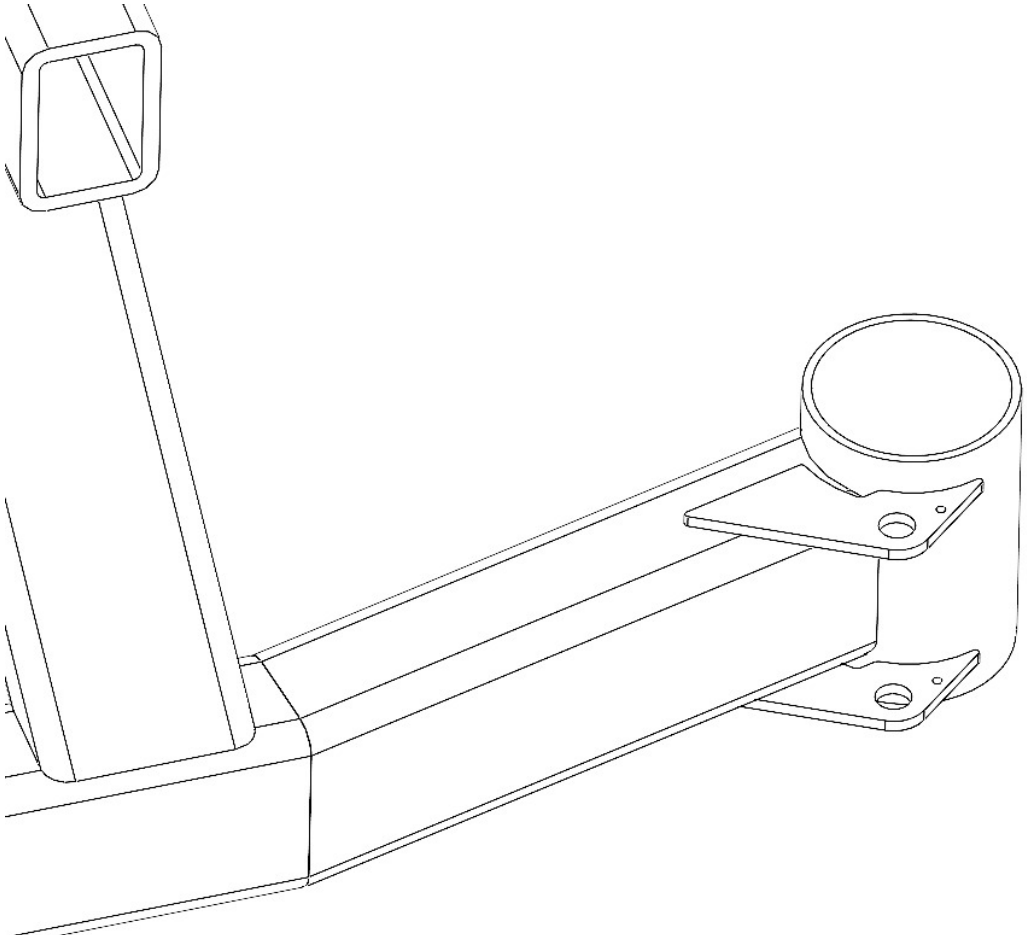
ASSEMBLY

3. Now that base tube work is welded together, take the last piece of provided tube and the the #3 bracket and weld them both together to the rest of the base, as shown below (view from the back of the carrier). Be sure the profile of the bracket and the tube match up before welding into place. This can also be moved side to side to best fit your needs and tire size.



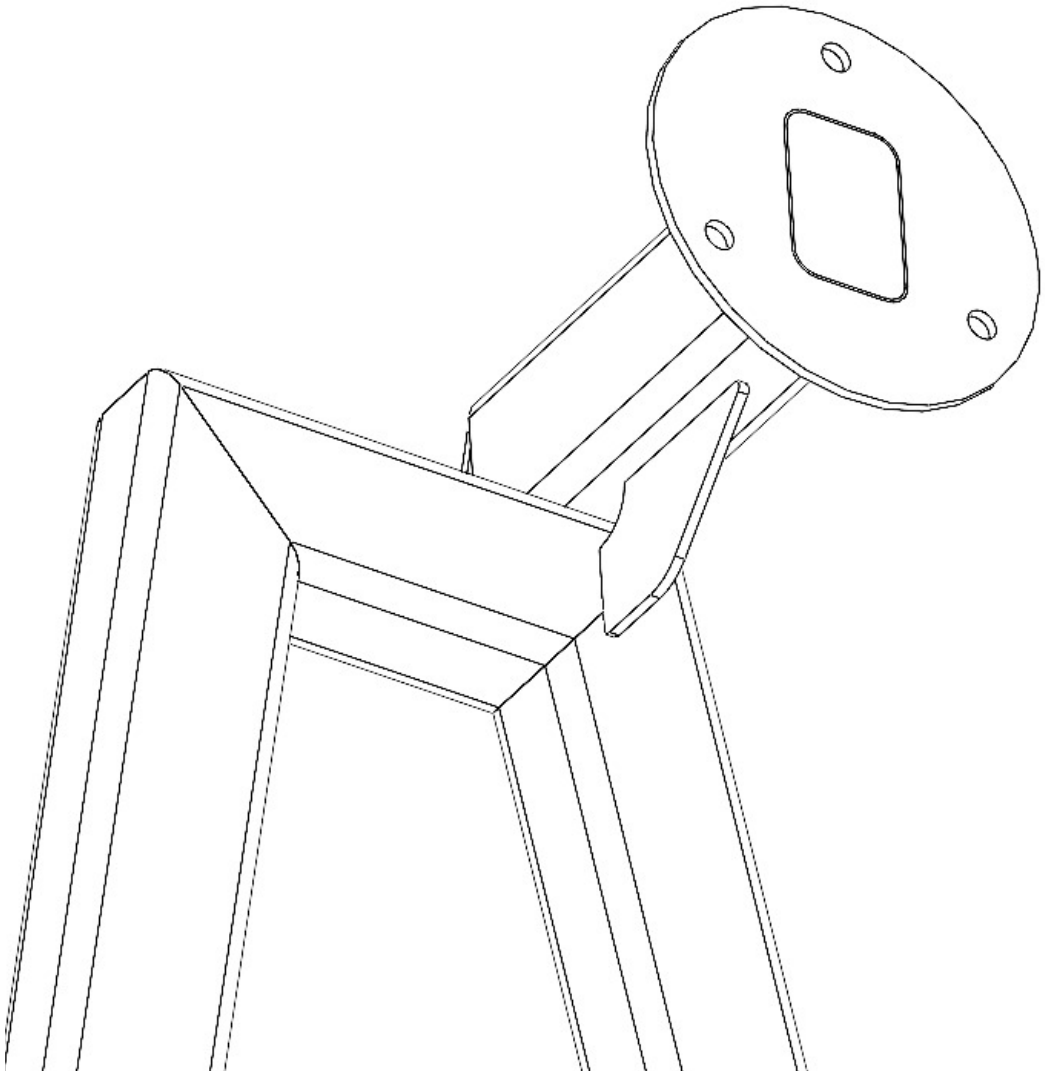
ASSEMBLY

4. Once the top tube and bracket are welded into place on the base, take the (2) supplied hub brackets and the hub and weld them onto the curved end of the tube (as shown below), with a hub bracket on the top and bottom side on the tube. Center the hub on the tube (height wise) so there is the same amount of exposure from the hub up and down. Only heavy tacks should be used in this step, in order to verify alignment of the carrier to the bumper.



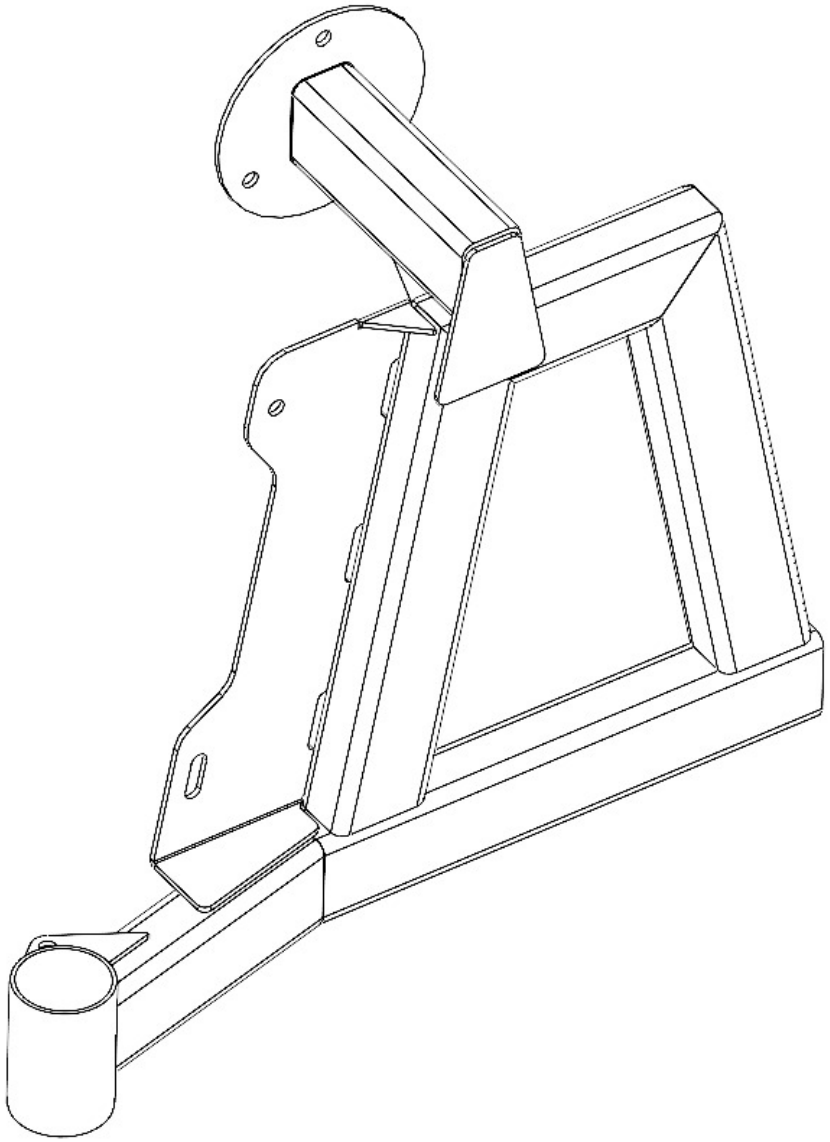
ASSEMBLY

5. You can now take the top tube support bracket and the spare tire mount bracket and weld them to the top tube, as shown in the orientation below. There will be an etching that matches the profile of the tube on the spare tire mount that will line up, once aligned weld the faces flush. Then make sure the tube supprt bracket will line up in the middle of the top tube and flush on the base of the “A” shape tube before welding into place.



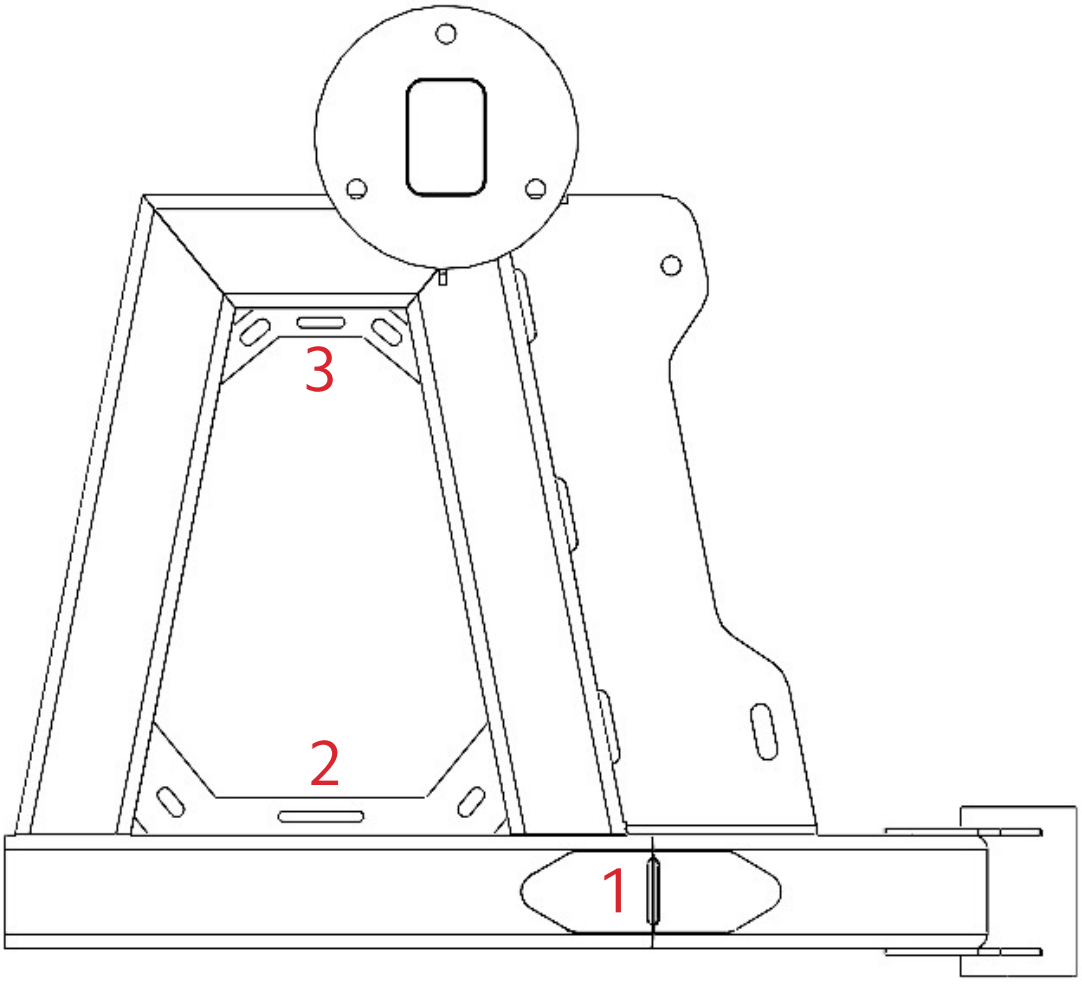
ASSEMBLY

6. You can now choose to mount and weld the supplied High Lift mount to the carrier if you please. Take the offroad jack mount bracket and line the small top flange flush with the top tube face, and the larger bottom flange should sit flush with the bottom tube, as shown in the orientation below (viewing from the back side). And once you have all three sides of the bracket flush with the tube, weld the bracket into place.



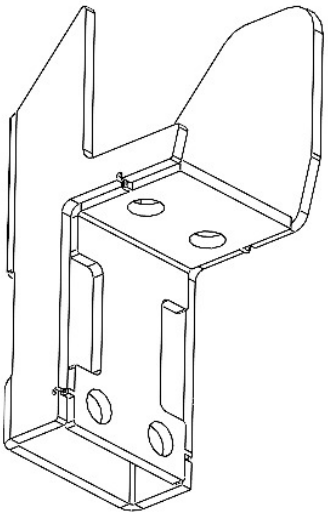
ASSEMBLY

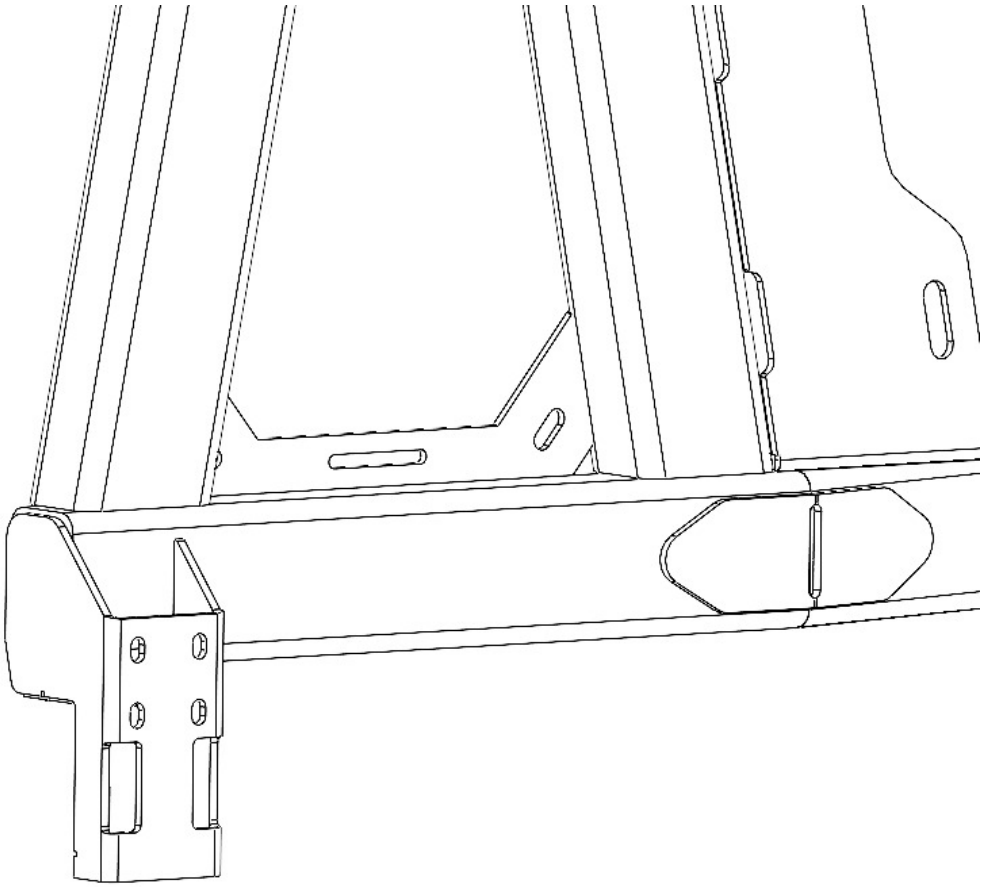
7. Take the (3) provided tie in brackets and weld them onto the frame for added strength. The first (1) one will be an oval shaped piece that will mount over the lower angled tubes on the front and backside. The second (2) and third (3) pieces will mount flush with the backside of the tubes in the top and bottom corners, as shown in the orientation below. Once your brackets are all in place, fully weld them down.



ASSEMBLY

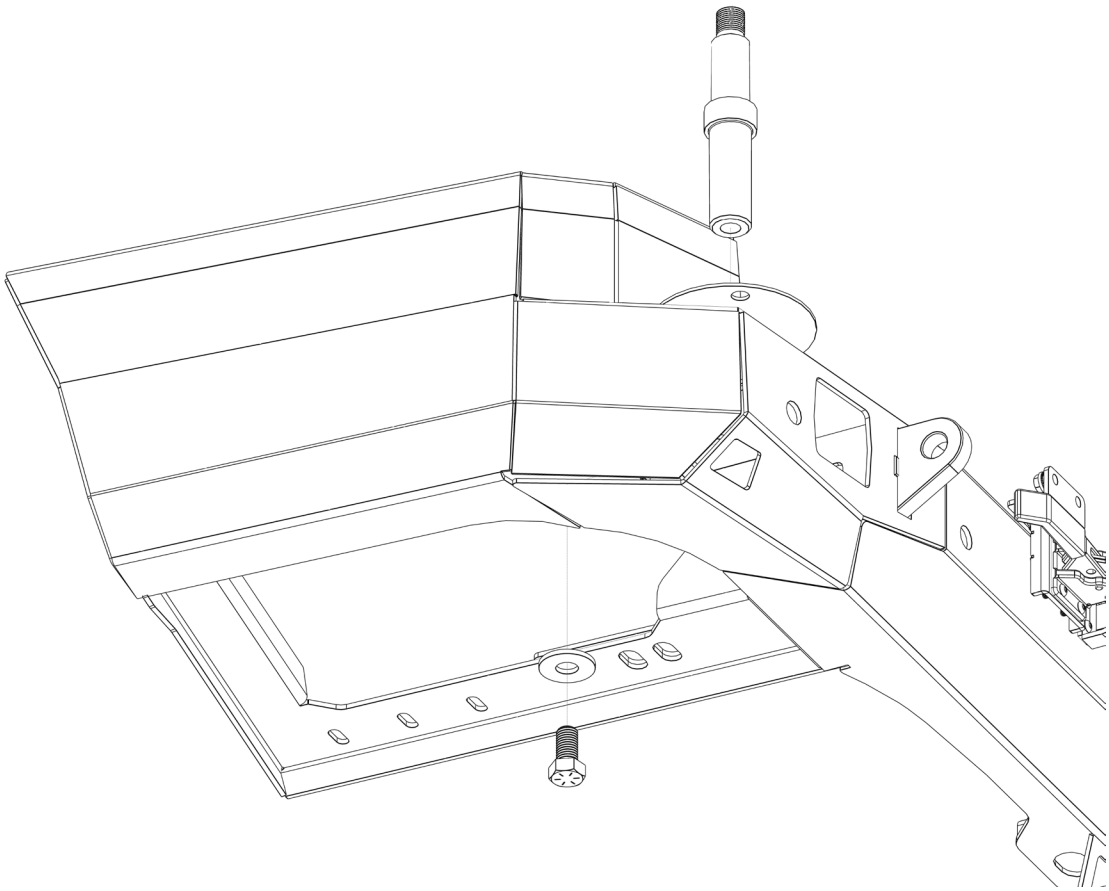
8. Now, take all of your latch bracket pieces and bend them all on the bend lines 90 degress. Once bent, weld them together as shown in the orientation below. There will be tabs on the smaller piece to line up to with the larger one. Once those are welded together, take that assembly and weld it onto the end of the bottom tube (also shown below). Note that we are showing right side carrier and latch orientation, you will have to mirror this operation for a left side.





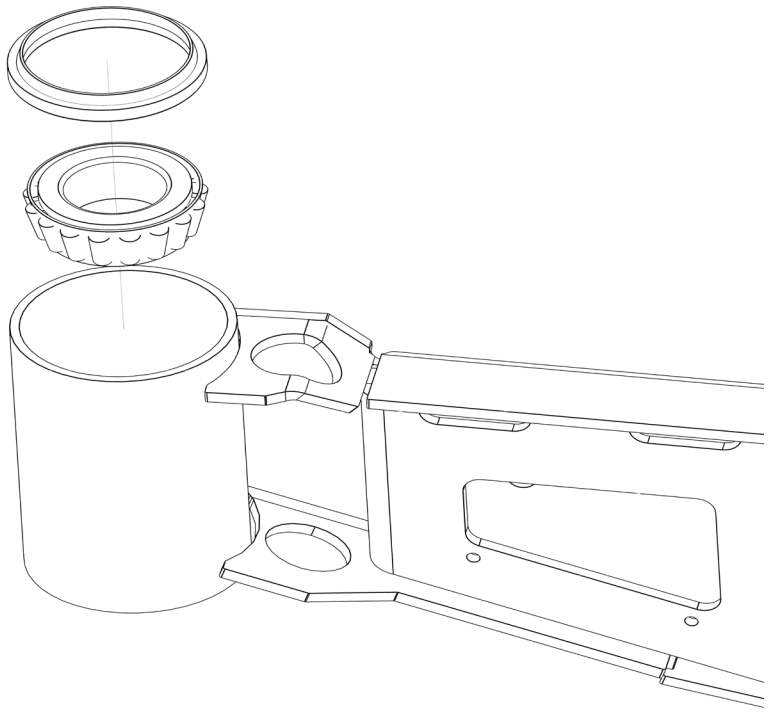
ASSEMBLY

9. Next, install the spindle into the bumper. Put the larger end of the spindle into the hole on the pin track. Then, use the 3/4" x 1-1/2" bolt with the 3/4" washer to secure it onto place. To do this you will need to insert the bolt and washer into the threaded hole in the bottom of the spindle by reaching around to the back of the bumper from the bottom.



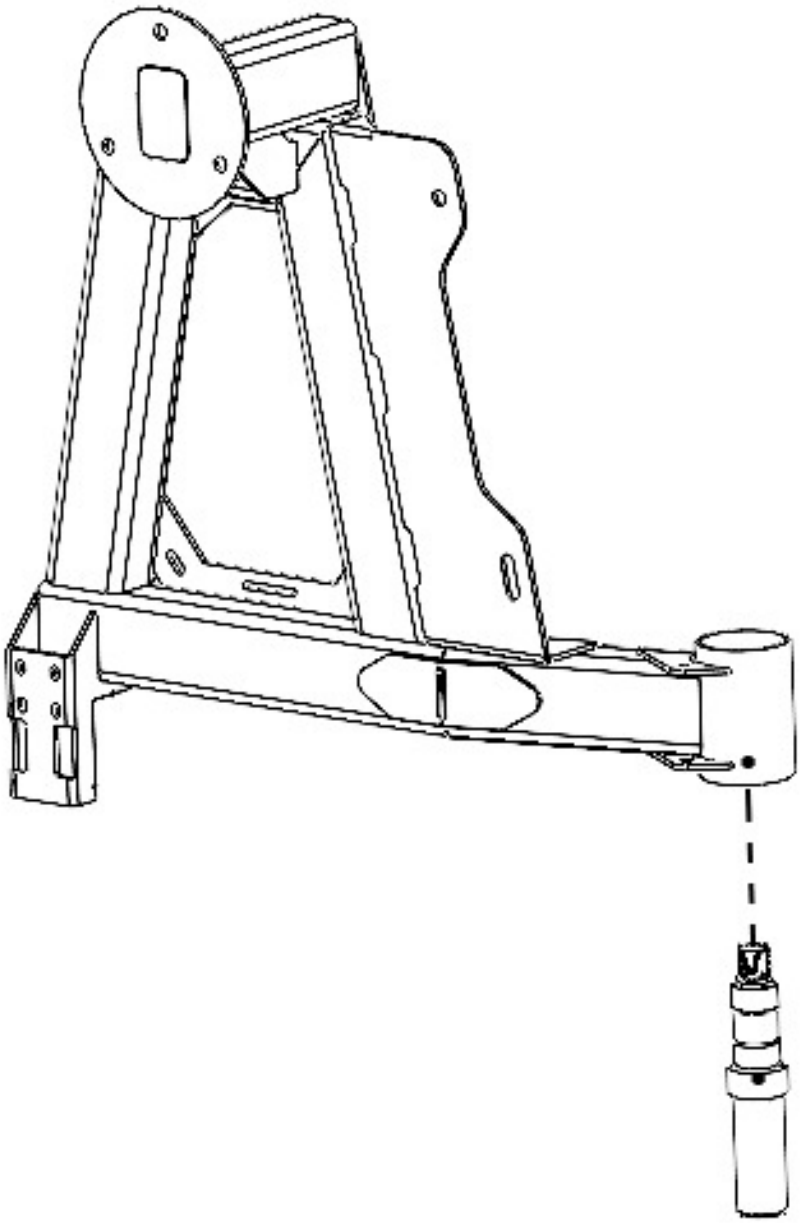
ASSEMBLY

10. Next, grease both bearings and the rubber seal. For more in-depth instructions on how to do so, watch the installation video. Then, flip your carrier door upside down, and insert 1 bearing and the rubber seal into the hub. Make sure that in this orientation, the smaller end of the bearing is facing down, and the softer rubber lip of the seal is facing up. You will then need to tap the seal into place using something such as a hammer and screwdriver.



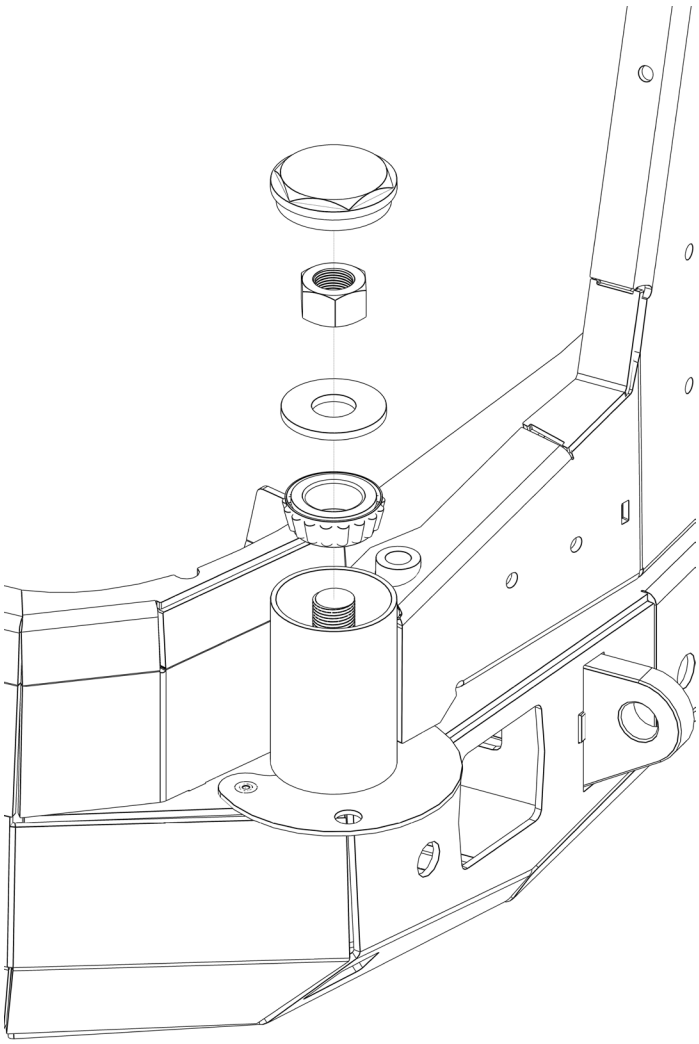
ASSEMBLY

11. Now, take the provided hardware and latch and assemble it and mount it to the carrier on the bracket that was just welded on. Once the latch is mounted, be sure to check that it functions properly and that the carrier is parallel to the top face of the bumper once onto the spindle. If not parallel you may need to go back and make some adjustments. If parallel, you are now ready to fully mount and tighten the carrier to your bumper by dropping it onto the spindle and then using the supplied hardware and tightening it down, as shown below.



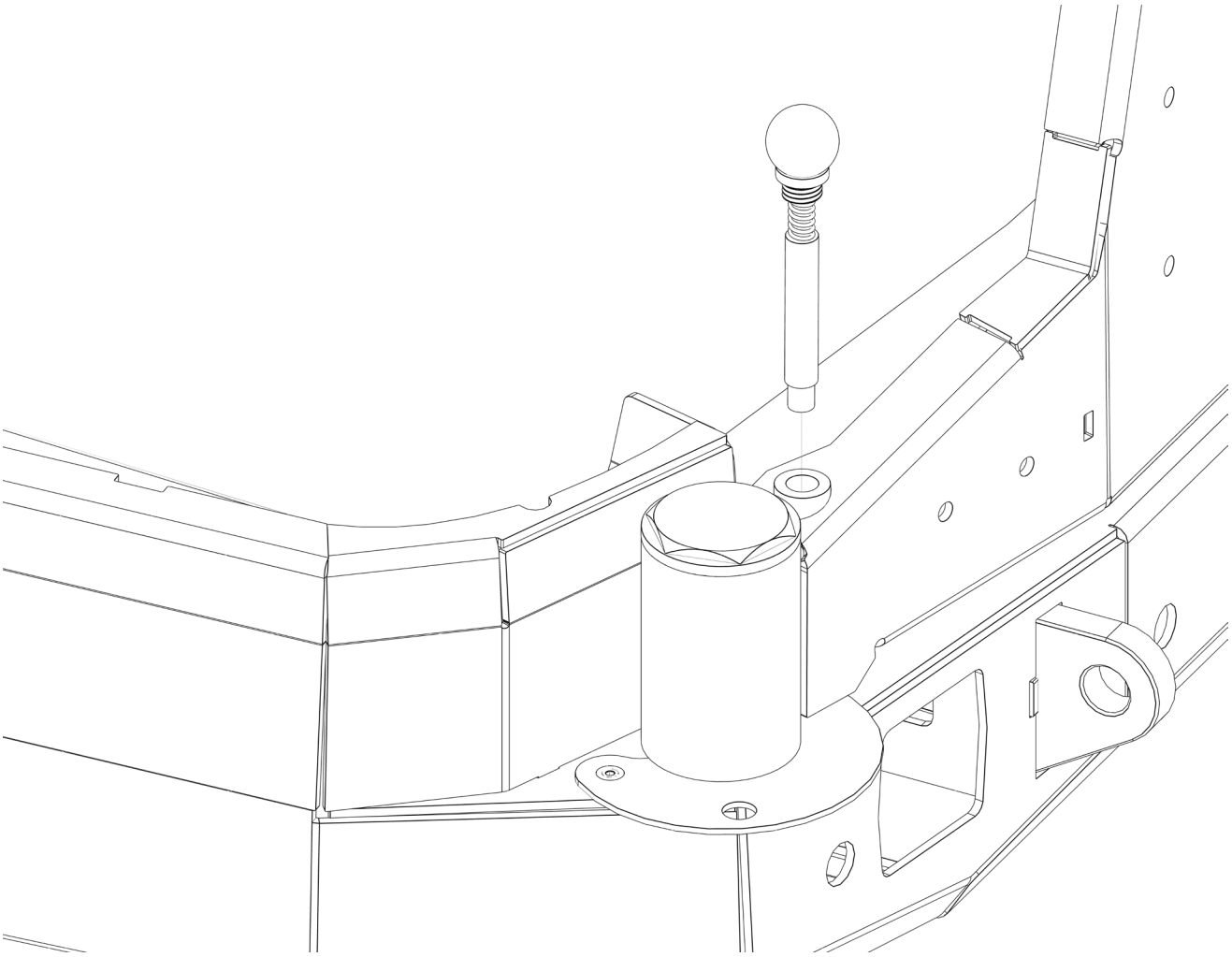
ASSEMBLY

12. With that in place you can install the rest of the hardware into the hub. Start by putting the bearing into place, making sure that in this orientation the smaller end is again facing down. Then, place the 1" washer on top of the bearing. Next, thread the 1" nut onto the top of the spindle to secure the carrier into place. Make sure that you tighten it enough that there is no wiggle in the carrier, while also being careful to not put unnecessary strain on the bearings. You may need to adjust it once you mount gear. Finally, thread the spindle cap onto the top of the hub and tighten it using the provided wrench.



ASSEMBLY

13. Next, install the quick release pin. To do this, grease the metal part of the pin and drop it into the small hub brackets that were installed on step 4, just to the side of the hub. To prevent the pull pin from sticking, we recommend greasing it frequently. You will want to choose which grease you use and how frequently you use it based on your climate and activities. Keep in mind: this is designed to lock the carrier in the open position, not to bring a swinging carrier to a stop. Note; your pin will look slightly different from what is shown below, but will install very similar.



ASSEMBLY

14. If you are happy with the look and alignment, you can now go though and fully weld the carrier to finish the assembly. You are now finished assembling your DIY carrier. At this time you are free to customize and set up the carrier to your liking, as you can see from the picture below there are different ways you can set up and run your carrier. Also be sure to check out JCROffroad.com for our DIY bumpers and other XJ product.