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CHEROKEE XJ FRAME RAIL REINFORCEMENT BRACKET KIT

P/N: 566

INSTALLATION INSTRUCTIONS

KIT CONTENTS:

Item Description	Qty	Item Description	Qty
Installation Sheet	1	Outer Frame Plate	2
Front Inner Frame Plate (left)	1	Front Inner Frame Plate (right)	1
7/16" NC x 1" Bolt (G5)	8	7/16" NC Hex Nut	4
7/16" USS Flat Washer	12	7/16" Lock Washer	4

IMPORTANT NOTE:

This kit requires additional hardware. In order to keep the costs of this kit low, we do not supply the required hardware. You can get the following list of nuts and bolts at any hardware store. Warrior recommends that you use grade-8 hardware to ensure strength when installing this product. Listed below are the additional pieces needed.

Item Description	Qty	Item Description	Qty
7/16"-20 x 3-1/4" Bolt *	5	7/16"-20 Hex Nut *	5
7/16"-14 x 4" Bolt	3	7/16" x 1" NC Bolt ***	4
7/16" USS Flat Washer *	13	7/16" Lock Washer *	5
10mm x 1.5mm x 35mm Bolt **	2		

**Optionally, you can reduce the quantity of this hardware by 3 if you do not wish to drill and bolt these 3 holes on the passenger side. On the driver side, these are steering box bolt holes. You also have the option of rosette welding these 3 holes directly to the chassis for a permanent installation.*

*** The metric bolts are the rearmost bumper mount bolt and are optional. Factory hardware can be re-used for this, or new class 10.9 metric bolts can optionally be purchased.*

**** The 7/16" x 1" bolts listed are the front most bumper bolts and are optional. The supplied grade 5 bolts can be used, or you can purchase upgraded grade 8 bolts to replace them.*

PHASE 1 - FACTORY BUMPER REMOVAL:

1. Start by unbolting your bumper on each side. There are 3 bolts in a triangular pattern that hold the bumper in place. Use a 15mm wrench or socket to remove them. If you have factory tow hooks, there will be an additional TORX head bolt further back on the frame rail holding the brackets in place, as well as a bracket on the bottom side of the frame rail.



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2. The bumper should now be loose. On the passenger side, there should be a plastic vacuum canister bolted to the bumper from the bottom. Remove the bolts and pull the bumper off of the Jeep. The canister can hang loose while you install your brackets.

PHASE 2 - INNER PLATE INSTALLATION:

1. If you have factory tow hooks, you should already have a plate just like this one installed. You can re-use the existing ones, but you will need to re-use the 10mm metric bolts that were originally bolted through the bumper instead of the supplied 7/16" bolts. If you do not have factory tow hooks, proceed to step 2.
2. On the passenger side, hold the inner plate to the frame rail so that the welded nuts line up with the bumper bolt holes. The remaining holes on the plate should line up with 2 factory holes on the front cross member of the Jeep. Use the supplied 7/16" x 1" bolts, flat washers, lock washers, and nuts to bolt through those two holes.
3. Repeat for driver side. Note that backside on driver side is trickier to access, but it can be done from bottom side.



PHASE 3 - OUTER PLATE INSTALLATION:

INSTALLATION NOTE:

Due to some slight variations in the manufacturing on each vehicle individually, there may be some slight misalignment on some holes. You will need to enlarge or oval the holes in the bracket with a drill or a grinder in order to get your brackets to align properly. You may also need to enlarge the notch to clear your fender support bracket. These adjustments should be slight.

1. Remove the 3 bolts holding the steering box in place
2. Remove the bolt holding the fender support bracket to the frame.
3. Slide the frame plate into place and thread the front 3 bolt holes into place, but do not tighten yet.
4. Using three 7/16"-14 x 4" bolts and flat washers, bolt the steering box back into place, do not tighten yet.
5. Using a 7/16-20 x 3.25" bolt and nut along with 2 flat washers and a lock washer, feed the bolt through the frame rail and attach the nut on the inside.



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6. You should now have 7 bolts loosely holding the plate in place. Bolt the fender support into place, and tighten the 3 steering box bolts and the furthest rear bolt.
7. Remove the front 3 bumper mount bolts.
8. Repeat steps 1-3 and step 5 for the other side, using the 3.25" long bolts and nuts to attach the rear most bolt, and drill for the other 3 if desired.
9. At this point, you should have your inner and outer plates installed and tight, with the front 3 bumper bolts on each side removed.

PHASE 4 - BUMPER INSTALLATION:

1. Slide your factory bumper, or new aftermarket bumper into place.
2. Using the 3 bolts removed in Phase 3, Step 7; attach the bumper to the vehicle. Thread all 6 bolts before tightening any of them. Be sure to align the bumper so it is sitting straight on the vehicle as there is some play in the holes.
3. The last part of the installation is to re-attach your vacuum canister. With a factory bumper, simply bolt it back into place. If you have an aftermarket bumper, you can either drill holes in the bumper to hold it, or many people choose to relocate it into the engine bay.

If you need further assistance installing your product, please contact us by email at customerservice@warriorproducts.com or call us at (888) 220-6861.

THANK YOU FOR PURCHASING WARRIOR PRODUCTS



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