



XJ Front 3 Link Bracket Kit Installation Instructions

Thank you for purchasing our XJ Front 3 Link Bracket Kit!

Installation Notes:

- This product is designed to fit Jeep Cherokees 2 door or 4 doors 1984-2001 with an AW4 automatic transmission.
- The transfer case skid is designed to fit a NP231.
- This kit requires welding, automotive mechanical knowledge, and general fabrication skills, it should only be installed by qualified individuals.
- This kit requires a minimum of 4" of lift with 3" of bump stop extensions.
- The factory lower frame control arm mounts and the left side frame front upper control arm mount will need to be removed.
- The components of this kit will need to be painted or powder coated during installation.

Tools required:

- Drill
- 17/32" Drill Bit ***if you do not have frame stiffeners installed**
- 8.5mm Drill Bit
- 21/64" (.3281") Drill Bit ***only if you have frame stiffeners installed**
- M10x1.5 Tap
- Various Hand Tools
- Jack
- Jack Stands
- Welding machine with the capability to weld at least ¼" thick steel
- Cutting torch, plasma cutter, or other appropriate cutting tool

Contents of each box

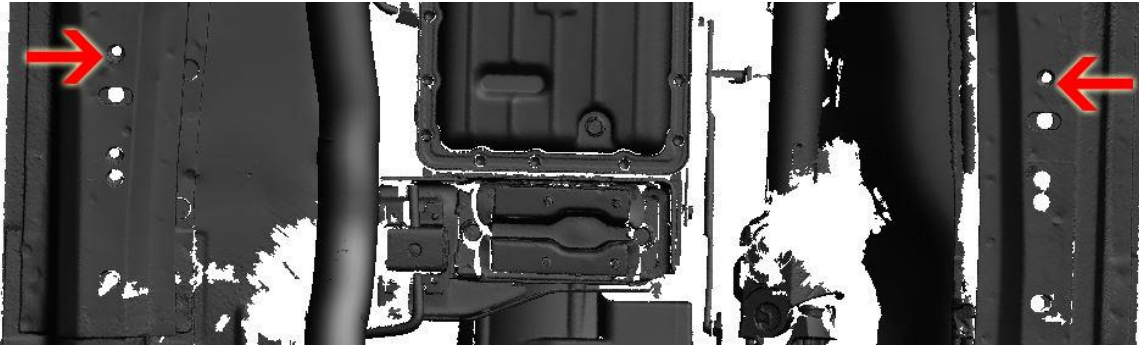
Bill Of Materials for B4WK12787			
QTY	Part Number	Etch Number	Description
1	B4W188980	980 B	XJ Front 3 Link Driver Gusset
1	B4W250958	958 B	XJ Front 3 Link Crossmember Frame Bracket Driver
1	B4W250961	961 B	XJ Front 3 Link Kit Upper Bracket
1	B4W250960	960 B	XJ Front 3 Link Lower Bracket Driver
1	B4W250956	956 B	XJ Front 3 Link Crossmember Main
1	B4W250959	959 B	XJ Front 3 Link Crossmember Frame Bracket Passenger
1	B4W188981	981 B	XJ Front 3 Link Passenger Gusset
1	B4W250971	971 B	XJ Front 3 Link Lower Bracket Passenger
1	B4WK12786	957	XJ Front 3 Link Crossmember Bottom Assembly
6	37C125HC8Y	NA	3/8"-16X1-1/4" Hex Bolt Grade 8 Yellow
6	37NWSAFY	NA	3/8 SAE Washer Yellow Zinc
6	FPCALFST616150	NA	3/8-16 Rivet Nut Insert .027-.150
6	43CNNEOY/GC	NA	7/16-14 NYLOCK
6	43C125HCS8Y	NA	7/16-14 x 1.25
12	43NWSAFY	NA	7/16 SAE Washer Yellow
6	.100C350BHFOY/6921	NA	M10-1.5 x 35mm Hex Flange Bolt Yellow Zinc
1	43CNFH8Y	NA	7/16-14 Nut
6	94077A105	NA	3/8"-16 x 1-1/2" Hex Washer Thread Forming Screw

Step 1:

Park vehicle on a level surface. Support the transmission and remove the factory crossmember.

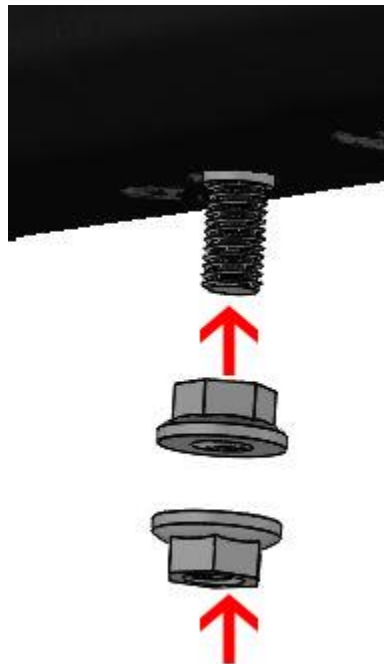
Step 2:

Drill out the forward most hole in the unibody with an 8.5mm drill bit and tap to a M10X1.5 thread.



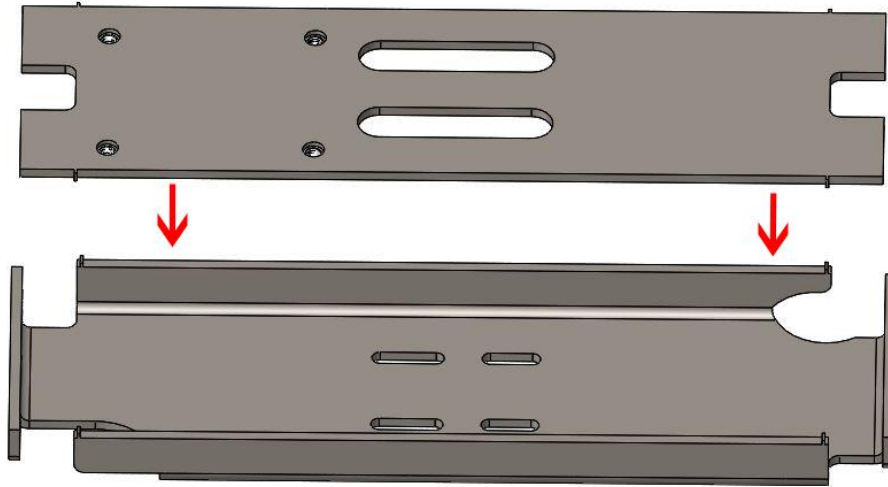
Step 3:

Remove crossmember studs from the unibody threading two nuts together onto the stud. Tighten the nuts together and turn the top nut to remove the stud.



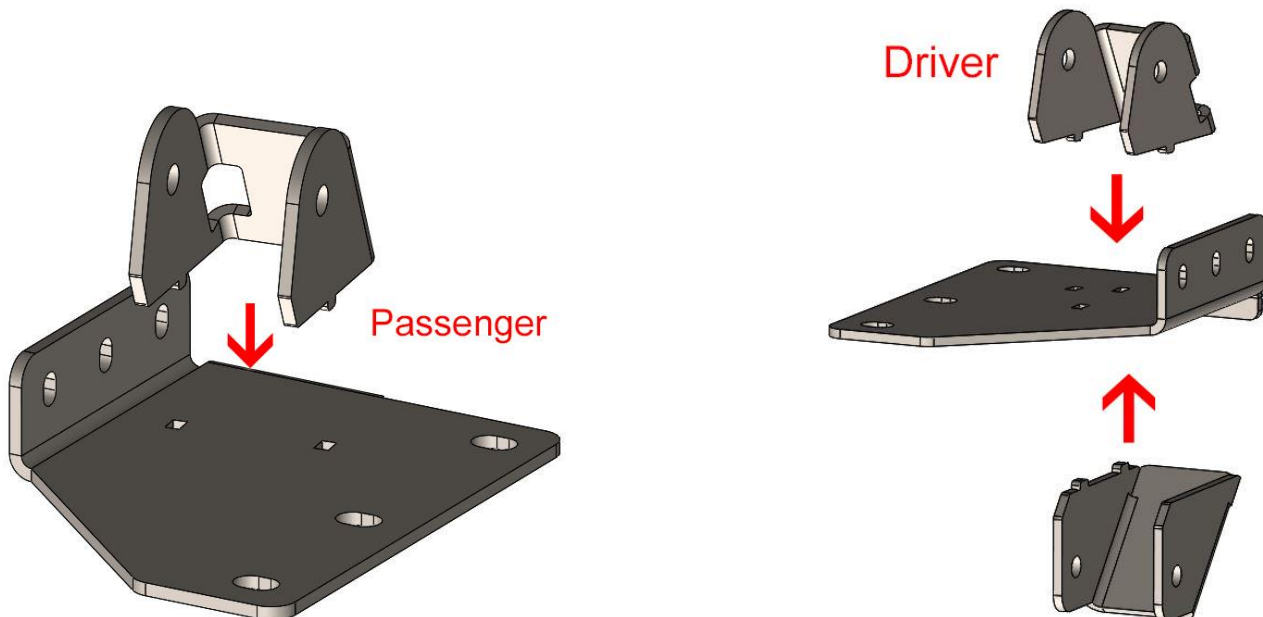
Step 4:

Assemble the crossmember as shown below making sure it is assembled in the correct orientation. Weld the bottom to the main crossmember.



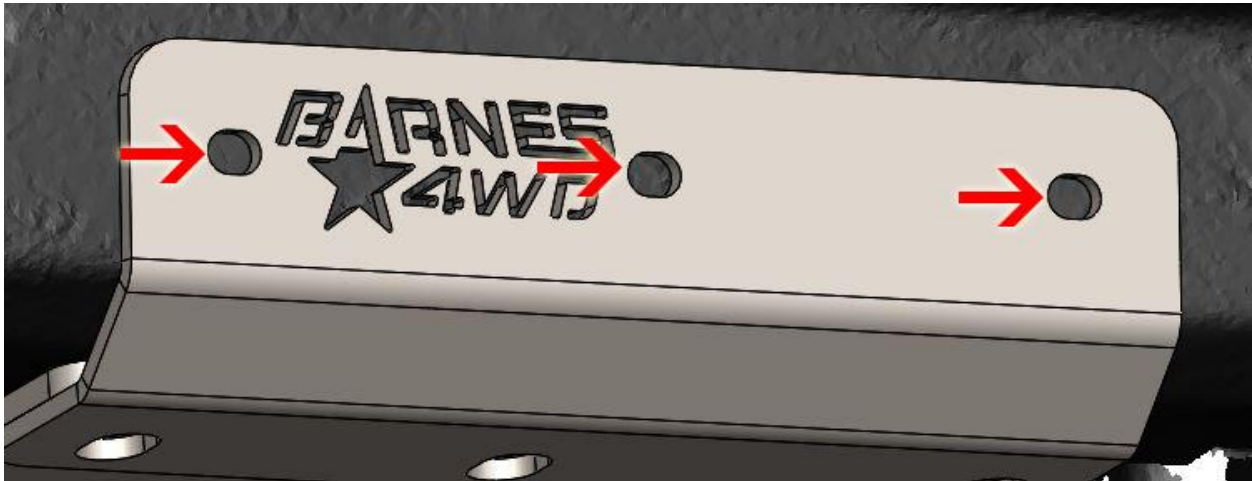
Step 5:

Assemble the driver and passenger side control arm brackets as shown below. Once assembled in the correct orientation weld the assembly together.



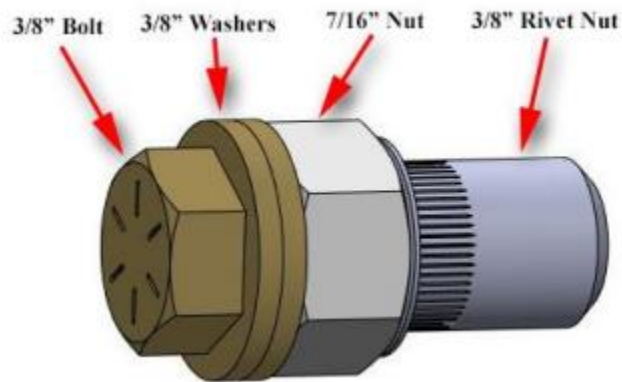
Step 6:

Install the driver and passenger side bracket assembly, and gusset onto the vehicle as shown below. Mark the 3 holes in the gussets on each side of the unibody. Remove the bracket assembly. Drill a 17/32" hole if you do not have frame stiffeners and move to step 7. If you do have frame stiffeners drill a 21/64" size hole and move to step 8.



Step 7:

Using one of the 3/8" bolts, two 3/8" washers, and the provided 7/16" nut, as shown below, install the six rivet nuts. Push the rivet nut into drilled in step 6. With a 11/16" wrench, hold the 7/16" nut and using a 9/16" wrench or socket, tighten the bolt until the rivet nut is fully installed. The bolt will become very tight and there should be no wiggle or twist to the rivet nut.

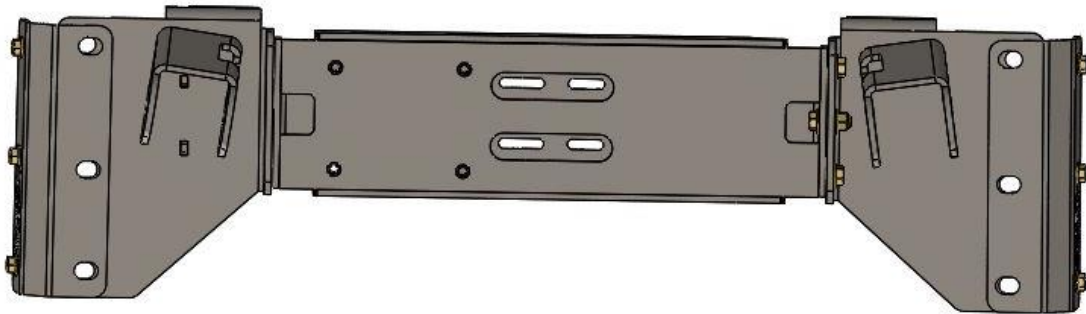


Step 8:

Reinstall the driver and passenger side bracket assembly and gusset to the unibody. Using 3/8" thread forming screws for frame stiffener installation and standard 3/8" hardware for non-stiffener installation. Leave hardware loose until crossmember has been installed.

Step 9:

Install the crossmember as shown below and tighten all the hardware.



Congratulations! You have finished the installation of the Barnes4wd XJ Front 3 Link Bracket Kit.

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