

# SFR XJ Shackle Relocation Bracket Installation Guide

## Please read all instructions before beginning.

First things first, please take a look at the kit and make sure you have all the parts. You should have 8 3/8x1" bolts with matching washers and locknuts, 2 9/16"x4" bolts with washers, and 2 flag nuts as well as the 2 brackets. In addition you will need to verify that your Jeep has the trailer hitch nutplates installed inside the rear of the frame. If yours didn't come with them Crown Automotive makes replacements Part# 52001174K

**PLEASE NOTE:** This is a permanent modification. Installation requires removal of the stock shackle hanger so once you cut, there's no going back. Any modification to your steering, brakes, or suspension will alter how your vehicle drives. Care must be taken to avoid loss of control or rollover of modified vehicles. SFR Products are sold for Off-Road vehicles. The driver of the vehicle is responsible for its safe operation and use.

The first step is to jack up your vehicle and securely support it using proper stands under the frame. You will need to unbolt the shackles from the frame and lower the axle and springs enough to allow yourself room to work. Next you will need to remove the original shackle hangers as shown in the photos below. Use a plasma cutter, sawzall, grinder, or other appropriate tool to cut the box along the lines shown in white. Once the box is out of the way you can remove the inner hump with the captured nut inside. We find that a sawzall works very well for this part. Once the rough cuts are made everything should be ground smooth as shown in picture 2.



Once you have everything cut out you can bolt the brackets into place using the trailer hitch bolt locations. If you already had a hitch or gas tank skid plate installed using these holes, you will want to remove these first, install the SRBs, then reinstall the hitch/skid/etc. over top of them. Ensure that the brackets are bolted with enough space to slide the flag nut between the inner wall and your frame. At this point you can mark and drill the bolt holes in the floor and rear frame bulkhead. Once everything is drilled, install and properly tighten all bolts. You can now raise your axle back up to install the shackles using the provided bolts and flag nuts. You'll want to choose the mounting hole that will put your shackle somewhere around 45 degrees leaned forward at ride height. You can adjust as desired. For reference the 2<sup>nd</sup> to rearmost hole is in the stock location.

