

WHITE KNUCKLE



OFF ROAD PRODUCTS®

OFF ROAD VEHICLE BODY PROTECTION

JEEP JL UNLIMITED 2018-Newer

Thank you for choosing White Knuckle Rock Sliders

Please read the instructions before beginning installation. Check hardware kit contents against content list below. Also, check the tools needed against the list below.

Hardware Kit

1-Driver Side Rock Slider
1-Passenger Side Rock Slider
4 each 1/2" x 1-1/2" Grade 8 Bolts,
Flat Washers & Lock Washers
1 each 1/2" x 3-3/4" Grade 8 Bolt,
Flat Washers & Lock Washers
1 each 1/2" x 4-1/2" Grade 8 Bolt,
Flat Washers & Lock Washers
1 each 12mm x 30mm Bolt and Washer
2 each 3/16" x 1-1/2" x 2" Backing Plates w/welded nut
4 each 3/16" x 2 x 5-1/4" Backing Plates w/welded nut
4 each 3/8" x 1" Thread Cutting Bolts

Tools Needed

3/4" Socket and Ratchet
3/4" Wrench
18mm Socket and Ratchet
2 Axle Stands

Optional:

Small Jack
1/2" or 3/8" Drill
1/8", 1/4", & 1/2" Drill Bits
Center Punch and Hammer
9/16" Socket and Ratchet

INSTALLATION INSTRUCTIONS

1. Beginning on the DRIVER SIDE, make sure the frame is clean of oil and debris. Slide the small backing plate marked "Front" through the outboard slotted hole and position the backing plate so the hole in the plate lines up with the round hole at the bottom of the frame directly behind the slotted drain hole with the nut facing away from the hole **Figure 1**. Remove the two-sided tape protection from the larger backing plate w/welded nut marked "Front" and slide it through the slotted hole in the outboard frame rail with the welded nut facing away from the slotted hole **Figure 2**. The attached zip tie will help in pulling the backing plate against the inside of the frame. Remove the skid plate cross member bolt at the 2nd mount from the front position **Figure 3**.
2. Place the axle stands or jack directly under the rocker panel. Place the slider on the axle stands or jack **Figure 4**. The 2nd mount from the front will need to slide into the skid plate cross member **Figure 3**.
3. The factory holes in the frame should be aligned to allow the bolts to go thru the mounting plates and the frame. The main rail should be level and around 1/2" to 1" below the rocker panel.
4. Starting again at the front, begin threading a 1/2"x 1-1/2" bolt, flat washer, and lock washer thru the mounting plate and large backing plate **Figure 5**. Once the bolt has been threaded, the large backing plate can be dislodged from the two-sided tape to allow the slider movement for the hole on the bottom portion of the front mounting plate to line-up. begin threading a 1/2"x 1-1/2" bolt, flat washer, and lock washer thru the bottom of the

mounting plate and small backing plate **Figure 5**. Keep the bolt loose for the time being to allow for adjustment of the slider position.

5. Continuing to the 2nd mount, reinstall the factory bolt that had been removed **Figure 3**.
6. The 3rd mount requires the 4-1/2" bolt with washers to be threaded thru the large backing plate marked "3rd" **Figures 6-7**.
7. The rear mount will require the 12mm bolt, provided in the hardware kit, to be installed thru the bottom of the mounting and threaded into the factory frame hole **Figure 8**. The extra hole provided in both the rear and 2nd mount can be used for extra strength with the 3/8"x 1" thread cutting bolts provided. See the last step for instructions with these bolts. Finish by tightening all of the bolts.
8. PASSENGER SIDE. Remove the factory skid plate bolts at the 2nd and rear mounting positions.
9. Repeat steps 1-5.
10. The 3rd mount requires the large backing plate marked "3rd" "Passenger" to be placed between the gas tank and frame with the welded nut protruding inward thru the inboard frame hole **Figure 9**. The two-sided tape will keep it fixed in place and the attached zip ties will help in positioning the plate and holding it in place. **NOTE:** It is very important that the 3-3/4" bolt is used and that the welded nut is protruding thru the frame and not towards the gas tank as it may rub against the tank. Thread the 3-3/4" bolt and washers thru the 3rd mounting plate and the nut welded to the backing plate. It may take a few tries to get the threads started, be patient.
11. Reinstall the rear skid plate factory bolt thru the bottom of the rear mounting plate.
12. Finish by tightening all of the bolts.
13. **OPTIONAL** - If you choose to use the provided 3/8"x 1" thread cutting bolts for the 2nd and rear mounts for extra strength, **mark** the holes to be drilled with a scribe or large drill bit thru the mount and onto the frame. Find the marks on the frame and use a center punch on each of these marks for pre-drilling. Keep the holes to be drilled as centered as possible.
14. Drill a pilot hole thru each of the marks with a 1/8" drill bit and then a 1/4" drill bit and finally a 5/16" drill bit. A 90 degree drill attachment should work good for these holes or the slider may need to be removed to drill and tap the holes. Make sure to keep the drill perpendicular to the frame when drilling the holes to insure the bolts go in straight.
15. Using the 9/16" socket and ratchet or air impact wrench, begin the supplied 3/8" X 1" thread cutting bolts. Keep the bolts perpendicular to the frame with significant pressure against the back of the ratchet as you begin cutting the threads in the frame. Continue tightening the bolts until they are easy to turn. The impact wrench is best for this procedure if available. Do not attempt to unscrew the bolt until the threads have been completely cut. **DO NOT OVERTIGHTEN** or you may strip out the threads you just cut.

Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6



Figure 7



Figure 8



Figure 9



Hardware



SAFETY FIRST

Observe proper safety procedures during installation. Improperly used tools and unsafe procedures can cause injury or death. Refer to manufacturers manuals for use and warnings of tools to be used. Modifications to your vehicle can cause dangerous conditions. The buyers and users of this product assume all risks associated with the installation and use of this product. All installations should be made by a qualified mechanic.

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