

## Rusty's '84-'01 XJ Cherokee Rocker Armor RA-RR2020-XJ / RA-RR3030-XJ INSTALLATION INSTRUCTIONS

Last Revised: 4/29/2020

### Introduction:

Rusty's recommends that this installation be performed by a certified automotive technician or a person with professional mechanical knowledge. Installing this kit without this expertise may jeopardize the handling and safety of the vehicle.

Read instructions several times before starting. Be sure you have all the needed parts and know where they install. Read each step completely as you go. Exhaust modifications may be necessary. Prior to drilling or cutting, check behind the surface being worked on for any wires, lines, or hoses that could be damaged. After any drilling or cutting, remove burrs and grind smooth any surfaces. An inclinometer or similar tool may be needed to measure driveshaft angles before and after the installation.

### Warning:

- It is the owners' responsibility to inspect all Rusty's products for proper torque specs to prevent loosening of components.
- Seat belts and shoulder harnesses should be worn at all times.
- Re-check all bolts and nuts after the first 100 miles and after any off-road usage during the first 300 miles.
- Although all of our products are made from the highest quality materials possible, they are not a substitute for Safe and Careful driving. In other words, have good safe on-road / off-road sense. Know the terrain, the speed limitations, and any obstacles that may lie ahead. Please remember to preserve our right to enjoy public land through the proper use of off-road vehicles.

### Before Starting Installation:

1. Carefully Read all warnings and instructions completely before beginning.
2. Verify all parts have been received in this kit by checking the parts list on page#2 of this document.
3. Only install this kit on the vehicle for which it is specified.
4. Park the vehicle on a clean, dry, flat, level surface and block the tires so the vehicle cannot roll in either direction.
5. Be certain the vehicle is safely secured on jack stands or a vehicle lift prior to working around or under a vehicle. Never rely on a jack alone to support a vehicle's weight; use appropriately rated stands to support the vehicle's frame and any other heavy components.

**Parts List:**

**Note:** Please be sure that you have all the provided parts listed below before continuing with the installation. All hardware will be in the driver side rockrail box.

<b>Part #</b>	<b>DESCRIPTION:</b>	<b>Quantity</b>
74454620	3/8"-16 x 1-1/4" Length Grade 8 Hex Head Cap Screw	6
05724620	3/8" SAE Flat Washer	8
52593589	3/8" - 16 Grade 8 Hex Lock Nut	2
67563080	1/4"-20 x 3/4" Length Button Head Cap Screw	16
67483768	1/4"-20 Serrated Flange Nut	16
67379362	3/8"-16 x 1" Thread Cutting Screw	12
RA-RR2024-XJ-DSNS	Driver Side 2 Nut Strip	1
RA-RR2024-XJ-PSNS	Passenger Side 2 Nut Strip	1
RA-RR2024-XJ-FMPS	3/16" Front Mounting Point Spacer	2

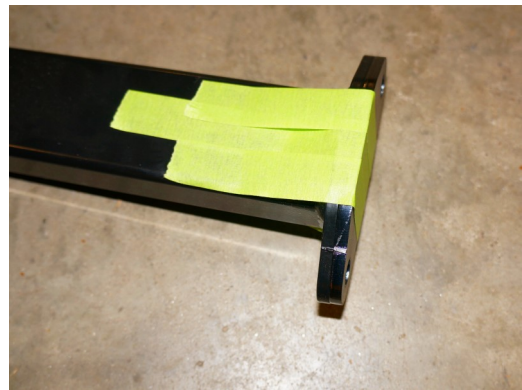
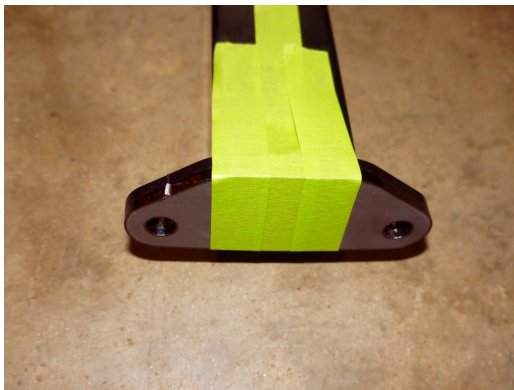


For Questions or Suggestions, contact our Tech Department (256-442-0607)

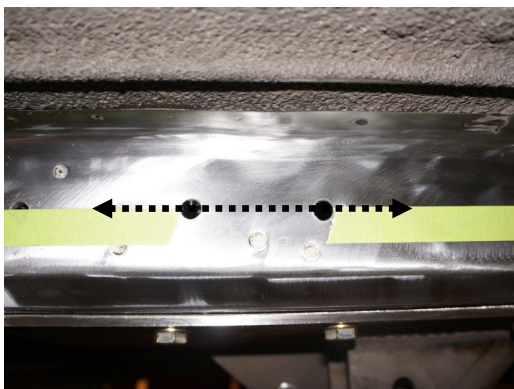
## Installation Instructions (Continued)

Note: Save all factory components and hardware for reuse, unless noted.

1. Locate each rock rail and identify driver and passenger side. The front frame mounting side will be a 2-bolt pattern flat bracket. The rear frame mounting bracket will be a 5-bolt pattern formed bracket.
2. Clean the frame rail mounting points of any heavy under coating. Ensure the pinch is straight and use a rubber mallet to straighten any bent areas.
3. Rusty's rock rails are manufactured to work with most longarm kits as well as factory suspension link systems. If your jeep has a long arm kit and outer frame braces, Skip Step 4. See step 5.
4. Locate the provided 3/16" Front Mounting Point Spacer with a 2-bolt hole pattern. Use masking tape to secure against the rock rail bracket for marking holes. The tape just makes it easier to hold in place.



5. Locate to the front frame mounting points. This will be just to the rear of the angled slotted hole. Measure from the top surface of the frame (where the pinch seam is welded to the floor board) 1-1/2". Mark two points several inches away from each other, then connect the lines with masking tape. This will be used to align the bracket once the rock rail is placed. The 1-1/2" inches signify the center of the bolt hole. (**Note:** Do not drill any holes until instructed.)



### Installation Instructions (Continued)

6. Using an assistant, place the rock rail to the frame rail. Locate the rock rail rear mount against the rear leaf spring hanger. Now place the pinch seam mounting bracket upward to the inside of the pinch seam.



7. Using an assistant, press the rear frame mounting point upward and inward against the frame. Align the front frame mounting point with the masking tape line in the center of each bolt hole. Mark all frame mounting points with a sharpie or paint pen.



8. Remove the rock rail from vehicle to complete the following steps.
- A.) Center punch each of the marked hole locations.
  - B.) Drill the (Qty: 2) front frame mounting points with a 7/16" drill. (**Note:** If the vehicle is equipped with outer frame braces or anything that covers the area of the front angled slotted hole, you will drill holes with a 21/64" drill and use the supplied 3/8"-16 x 1" Thread Cutting Screws to secure to the frame.)
  - C.) Drill the (Qty: 4) rear frame mounting points with a 21/64" drill.
  - D.) Drill the (Qty: 1) mounting point at the rear leaf spring hanger with a 7/16" drill.

### Installation Instructions (Continued)

9. Using an assistant, place the rock rail back in place. Install one 3/8" self-threading bolt in the bottom mounting point (do not tighten fully) and install one 3/8" self-threading bolt in the rear (side of frame) mounting point (do not fully tighten). The rear will now be supported, locate to the front rock rail mounting points. Place the supplied nut strip in the angle slotted hole with the angle of the nut strip, holding it with vice grips to ensure it does not fall into the frame rail. Install the supplied 3/8" x 1-1/4" hex bolts/washers threading them into the nut strip (do not fully tighten). At this point the rock rail will hold itself in place, but allow for up and down movement.



10. Level the kicker tube with the body line under the door. Once located, open the door to check for clearance. Once leveled and in the correct location, use a marker or paint pen to mark the mounting points on the pinch seam on the body.
11. Optional step, we recommend removing the rock rail, then drill the pinch seam mounting points. This can be done without removing the rock rail but is recommended. It is much easier to see the marked holes to be drilled with the rock rail removed.
12. Center punch all mounting points on the pinch seam that are marked. Use a low profile drill or a right angle drill with a 1/8" drill bit to make a pilot hole. Then drill mounting points to 9/32".



### Installation Instructions (Continued)

13. Remove any masking tape left in place, and reinstall the rock rail. Loosely install the front and rear frame mounting points, refer back to previous steps if needed. Then loosely install the supplied 1/4" x 3/4" button head allen head bolts at the pinch seam.



14. Level the kicker tube with the body line under the door. Then slowly tighten all the frame mounting points. Ensure the rock rail is level with the body line, then fully tighten all pinch seam mounting points.



15. Installation is now complete!

## WARNING

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