

## Rusty's JL Rocker Armor All Styles– 4 Door RA-RR9910-JL/RA-RR9920-JL/RA-RR9930-JL/RA-RR9940-JL INSTALLATION INSTRUCTIONS

Last Revised: 6/3/2019

### 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.

<u>Part #</u>	<u>DESCRIPTION:</u>	<u>Quantity</u>
74454620	3/8"-16 x 1-1/4" Length Grade 8 Hex Head Cap Screw	12
52593589	3/8" - 16 Grade 8 Hex Lock Nut (Gold Zinc Finish)	12
05724620	3/8" SAE Flat Washer	22

**Installation Instructions**

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

1. If the JL is equipped with factory steps or the Rubicon rails they will need to be removed before continuing with the installation. The vehicle needs to be sitting on a flat level surface.
2. The instructions will instruct the install on the driver's side, once completed repeat the steps to complete the passenger side.
3. Locate to the driver's side. Locate the body mount just in front of the front door. This mount and the next 2 body mounts rearward will be the mounting points.
4. Remove the 3 body mount bolts instructed in Step 3. (This will be the larger bolt with the larger washer). The body mount bolts will fully loosen and keep spinning; they will not fully fall out, you will need to pull down forcefully to remove the bolts. (**NOTE:** If the body mount bolts feel very tight or stuck , the use of a heat gun maybe needed in order to apply heat to the bolt until it can be loosened. )
5. Remove the 2 nuts on each side of the body mounts, a total of 4 nuts per side. Do not disregard as the nuts will be reused.
6. Locate the Rusty's Offroad rock rails. Use the shape of the front body mount to determine driver & passenger side.
7. Spray a lubricant on the inside of each body mount, we recommend a white lithium aerosol. This will help the rock rail seat in place without damaging the powder coat.
8. Using an assistant, place the rock rail to the mounting points. 2 nuts per body mount, 4 nuts total. Start all nuts and begin to tighten them in a back and forth motion to pull the mounts up evenly. The nuts should be torqued to 35 ft lbs.
9. Reinstall the body mount bolt (large bolt and washers) at each mount; total of 3. You will need to forcefully push the bolt up in place and then tighten. Torque the front bolts to 49 ft. lbs. and a 155 degree turn. Torque the 2 rear bolts to 80-92 ft. lbs.

## **Installation Instructions (Continued)**

10. Locate to the body mounts, the two side mounting points (only one on the front mount) need to be center punched. Once centerpunched, use a 1/8 drill bit to make a pilot hole. (The drill will be slightly angled toward the inside of the mount). This should be repeated on each body mount.



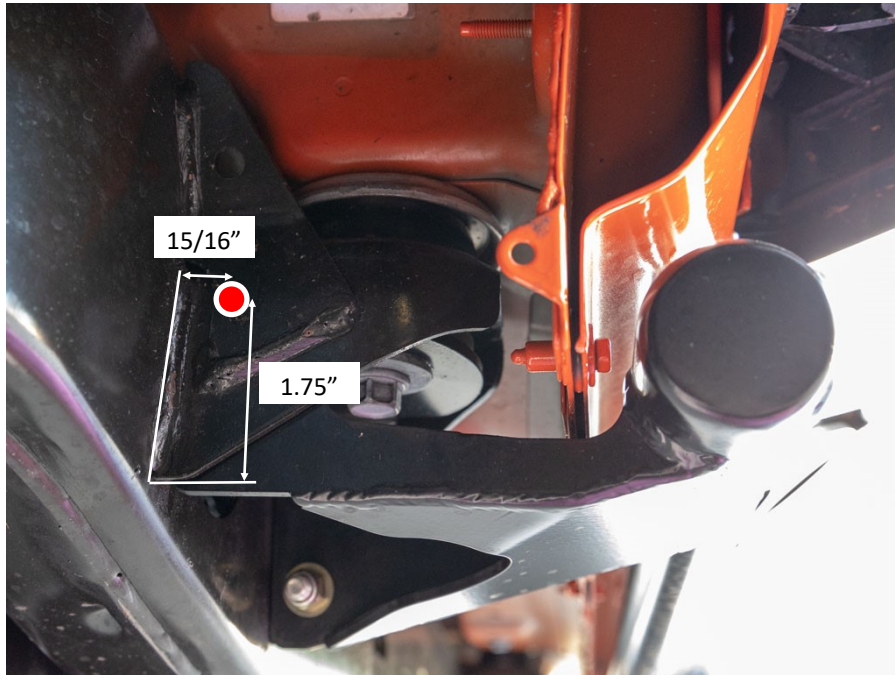
11. The holes now should be drilled 3/8" on each mounting point. Once all mounting points are drilled, debur the drilled holes for a smooth mounting surface.



12. Install the 3/8" x 1-1/4" bolts, washer & nyloc nuts. Install at the 5 points and torque to 40 ft.-lbs.

## Installation Instructions (Continued)

13. Mark and center punch the hole position shown in the image below, this will be located on the forward most body mount on the side facing the front tire. The center of the hole should be located  $15/16''$  from the inside of the frame rail and  $1.75''$  from the bottom edge of the front factory body mount as shown in the image below.



14. Drill the marked hole location to an  $3/8''$  hole. We suggest drilling a pilot hole of  $1/8''$  prior to drilling the hole to  $3/8''$ .



## **Installation Instructions (Continued)**

15. Install the supplied 3/8" x 1-1/4" bolt, washer and nyloc nut to the drilled hole location. Install the bolt with no washer on the out side as shown in the image below. The washer will be installed on the inside of the mount prior to installing the nyloc nut. Tighten hardware to 40 ft.-lbs.



16. Repeat steps 1-15 on the passenger side to complete 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 300 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. Thank you for choosing Rusty's Off Road Products.