

## XJ Front End Strengthenener & Skid Plate RA-JS35-XJ INSTALLATION INSTRUCTIONS

Last Revised: 12/20/2017

### 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.

<b>Part #</b>	<b>DESCRIPTION:</b>	<b>Quantity</b>
RA-JS35-XJ	Rusty's XJ Front End Strengtheners & Skid Plate	1
67444729	M10 x 1.50mm x 30mm Length Hex Head Cap Screw	4
05724638	7/16" SAE Flat Washer	4
05726104	5/16"-18 x 1" Length Grade 8 Hex Head Cap Screw	4
05724612	5/16" SAE Flat Washer	8
67488924	5/16" - 18 Grade 8 Hex Lock Nut	4

**Installation Instructions**

1. Locate the two legs of the skid plate behind the front sway bar mounts. There will be one mounting point on the driver side and three mounting points on the passenger side. Using the supplied M10 x 1.50mm x 30mm Length Hex Head Cap Screws (Qty:4) & 7/16" SAE Flat Washers (Qty:4) to fasten the skid to the frame. Do not tighten hardware completely at this time.
2. Position the skid to the front frame crossmember. Press the skid plate up to the bottom lip of the frame crossmember. Some XJ's will have existing holes that line up; if not center punch the frame crossmember. Drill the four mounting points to 3/8" (.375"). Clean the shavings. Using the supplied 5/16"-18 x 1" Length Grade 8 Hex Head Cap Screws (Qty:4), 5/16" SAE Flat Washers (Qty:8), & 5/16" - 18 Grade 8 Hex Lock Nuts (Qty:4) to fasten the four mounting points. Torque to 25 ft. lbs.
3. Fully torque the frame rail mounting points to 35 ft. lbs.
4. Installation is now complete!

**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.



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