



ZJ Transfer Case Skid Plate RA-JS16-ZJ INSTALLATION INSTRUCTIONS

Last Revised: 2/1/2017

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.

Part #	DESCRIPTION:	Quantity
RA-JS16-ZJ	Skid Plate	1
110120369	7/16" x 3" Bolts	2
37027	7/16" NyLock Nuts	2
33010	7/16" Washers	4
13105	3/8" Self Tapping Bolts	4

Front Installation Instructions

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

1. Properly block and secure vehicle prior to installation.
2. It will make the job much easier if you have a floor jack. Position the jack under the skid plate and slowly raise the skid plate into position.
3. Locate the front of the skid plate half way on to the transmission crossmember. Square the front of the skid plate with the transmission crossmember and clamp or hold the skid plate in position. Make sure the frame portion of the skid plate is flush and aligned with the frame. The frame mounting point should sit flush to the bottom of the frame rail and the side flush to the side of the frame.
4. Mark the two holes to be drilled in the TC support. Lower the skid plate out of the way to drill the holes.
5. Drill the two 7/16" holes in the transmission crossmember all the way through. Reposition the skid plate, install the 7/16" bolts in the drilled holes, and torque the bolts to 45-ft.lbs.
6. Using the skid plate as a template, center punch and drill the three frame mounting holes with a 5/16" drill bit. Install the 3/8" self-tapping bolts and torque to 20 lb-ft. Do not overtighten these bolts.
7. Installation is now complete. Re-check bolt torque after 300 miles.

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