



Rusty's Off-Road Products
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Rusty's JK Wrangler Transfer Case Skid RA-JS818-JK INSTALLATION INSTRUCTIONS

Last Revised: 10/16/2017

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.



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

Parts List:

Note: Please be sure that you have all the provided parts listed below before continuing with the installation.

Part #	DESCRIPTION:	Quantity
RA-JS818-JK	Rusty's JK Wrangler Transfer Case Skid	1
05728159	1/2"-13 x 1-1/2" Length Grade 8 Hex Head Cap Screw	1
05728308	1/2"-13 x 3" Length Grade 8 Hex Head Cap Screw	1
67488965	1/2"-13 Grade 8 Hex Lock Nut	1
05724646	1/2" SAE Flat Washer	3
N/A	JK Transfer Case 1/2" Tab Nut	1

Front Installation Instructions

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

1. Remove the factory transfer case skid plate by removing the four mounting bolts. There will be one bolt located at the driver side frame rail, two bolts at the cross member, and one at the gas tank skid plate. (**Note:** Retain hardware as it will be reused.)
2. Loosen the bolts at the transmission skid plate cross member, this is the bar that runs from the driver side frame rail to the passenger side frame located just forward of the cross member.
3. Place the new Rusty's JK Wrangler Transfer Case Skid into place by aligning the factory mounting points using the factory hardware to secure the skid. At the center cross member mounting point install the transmission skid plate cross member tie in plate when start bolt for the skid plate. (**Note:** Do not fully tighten the hardware at this time.)
4. Install the supplied (Qty:1) 1/2"-13 x 3" Length Grade 8 Hex Head Cap Screw, (Qty:2) 1/2" SAE Flat Washer, and (Qty:1) 1/2"-13 Grade 8 Hex Lock Nut on the passenger side of the cross member and the skid plate mounting point. (**Note:** Do not fully tighten the hardware at this time.)
5. Use a 1/2" drill bit to drill the hole location in the forward most hole location in the skid plate on the driver's side of the frame. Use the skid plate hole location as a guide to mark and drill your hole.
6. With the hole drilled loosen the factory mounting bolt at the driver's side frame rail to blow any metal shavings from the mounting surfaces. This will ensure a flat mounting surface.
7. Retighten the hardware at the factory mounting bolt at the driver's side frame rail.



Front Installation Instructions (Continued)

8. Drop the supplied (Qty:1) JK Transfer Case 1/2" Tab Nut through the cut out in the out side of the frame rail and align the tab nut with the hole location from bottom side and install (Qty:1) 1/2"-13 x 1-1/2" Length Grade 8 Hex Head Cap Screw, (Qty:1) 1/2" SAE Flat Washer.
9. Tighten all the skid plate mounting points at this time as well as the hardware loosened on the transmission skid plate cross member.
10. Installation is now completed!

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.



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