

## Rusty's JL Wrangler 392 Transfer Case Skid RA-JS460-392 INSTALLATION INSTRUCTIONS

Last Revised: 12.12.22

### 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>
RA-JS460-392	Rusty's JL Wrangler 392 Transfer Case Skid	1
RA-JS460-392-CMB	Rusty's JL Wrangler 392 Crossmember Bar	1
RA-JS-ARW	Rusty's JL Skid Aluminum Rock Washer	3
70994165	M12 x 1.50mm x 40mm Length Hex Head Cap Screw	3
67372086	3/8"-16 x 3" Length Grade 8 Hex Head Cap Screw	3
05724620	3/8" SAE Flat Washer	6
52593589	3/8" - 16 Grade 8 Hex Lock Nut	3

**Installation Instructions**

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

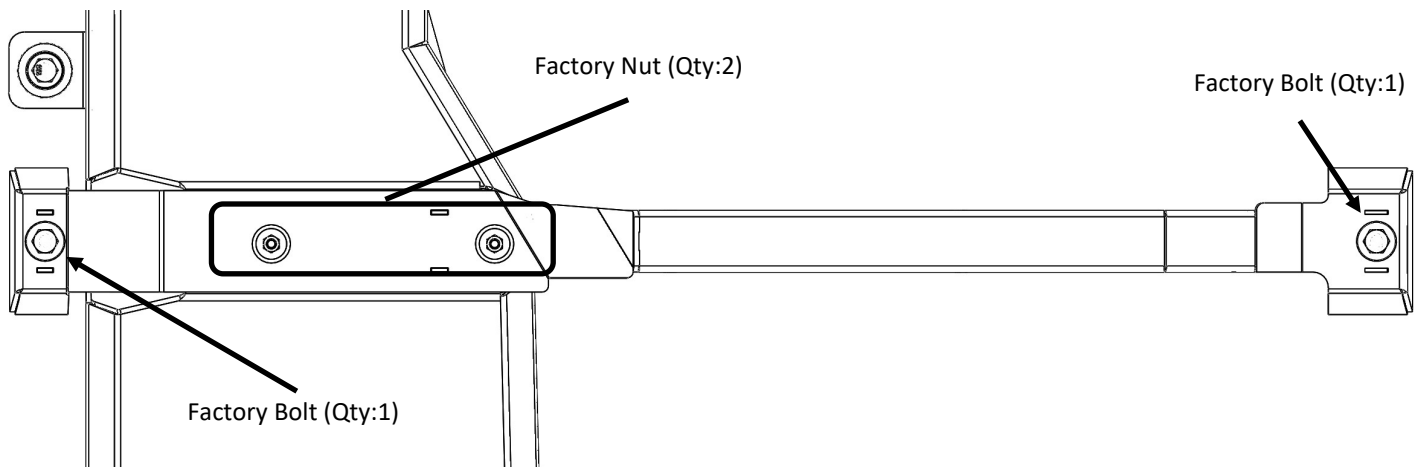
1. Remove the factory transfer case skid plate. (**Note:** Retain all hardware removed as some will be reused.)
2. Locate the Rusty's JL Wrangler 392 Crossmember Bar and install the dropped side at the fuel tank skid aligning it with the studs on the skid plate. Install by using the factory nuts on the studs, only starting hardware at this time. (**Note:** DO NOT FULLY TIGHTEN).
3. Align the frame mounting points, and install the factory bolts through the Rusty's JL Wrangler 392 Crossmember Bar and thread into the frame to start the hardware, only starting hardware at this time. (**Note:** DO NOT FULLY TIGHTEN).
4. If you have already installed our Rusty's Engine Skid Plate you will need to remove the hardware at the transmission crossmember, and the transfer case skid plate will mount directly to the transmission crossmember and the engine skid plate will set against the transfer case skid plate.
5. Place the transfer case skid plate to the transmission crossmember and align the mounting points, if using a Rusty's Engine Skid Plate now place it to the bottom of the transfer case skid plate and install the supplied M12 x 1.50mm x 40mm Length Hex Head Cap Screws (Qty:3) and Rusty's JL Skid Aluminum Rock Washers (Qty:3) only starting hardware at this time. (**Note:** DO NOT FULLY TIGHTEN).
6. Now align the rear of the skid plate to the crossmember bars 3 mounting points.
7. Install the supplied 3/8"-16 x 3" Length Grade 8 Hex Head Cap Screws (Qty:3), 3/8" SAE Flat Washers (Qty:6), and 3/8" - 16 Grade 8 Hex Lock Nuts (Qty:3) only starting hardware at this time. (**Note:** DO NOT FULLY TIGHTEN).

## **Installation Instructions (Continued)**

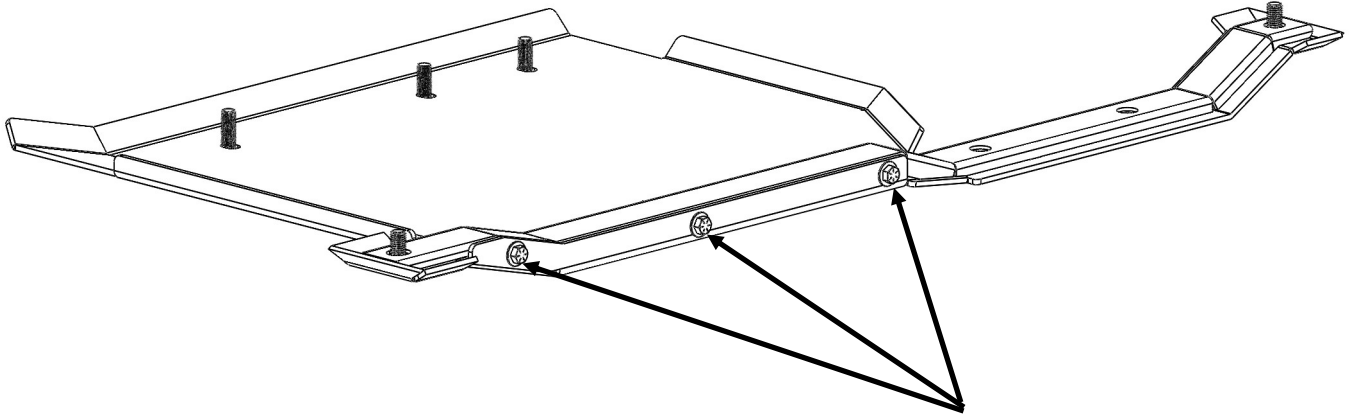
Note: Save all factory components and hardware for reuse, unless noted.

8. If you are installing the Resonator skid plate or the Power Cell skid plate please proceed with those instructions as they share these mounting bolts.
9. If not, fully tighten the crossmember bar bolts at each frame rail. Then tighten the nuts inside the crossmember bar on the fuel tank skid plate.
10. Now push upward on the transfer case skid plate and fully tighten the 3/8"-16 x 3" Length Grade 8 Hex Head Cap Screws (Qty:3), 3/8" SAE Flat Washers (Qty:6), and 3/8" - 16 Grade 8 Hex Lock Nuts (Qty:3) at this time installed during step 7.
11. Tighten the M12 x 1.50mm x 40mm Length Hex Head Cap Screws (Qty:3) and Rusty's JL Skid Aluminum Rock Washers (Qty:3) installed during step 5.
12. Installation is now complete!

## **Hardware Installation Diagrams**



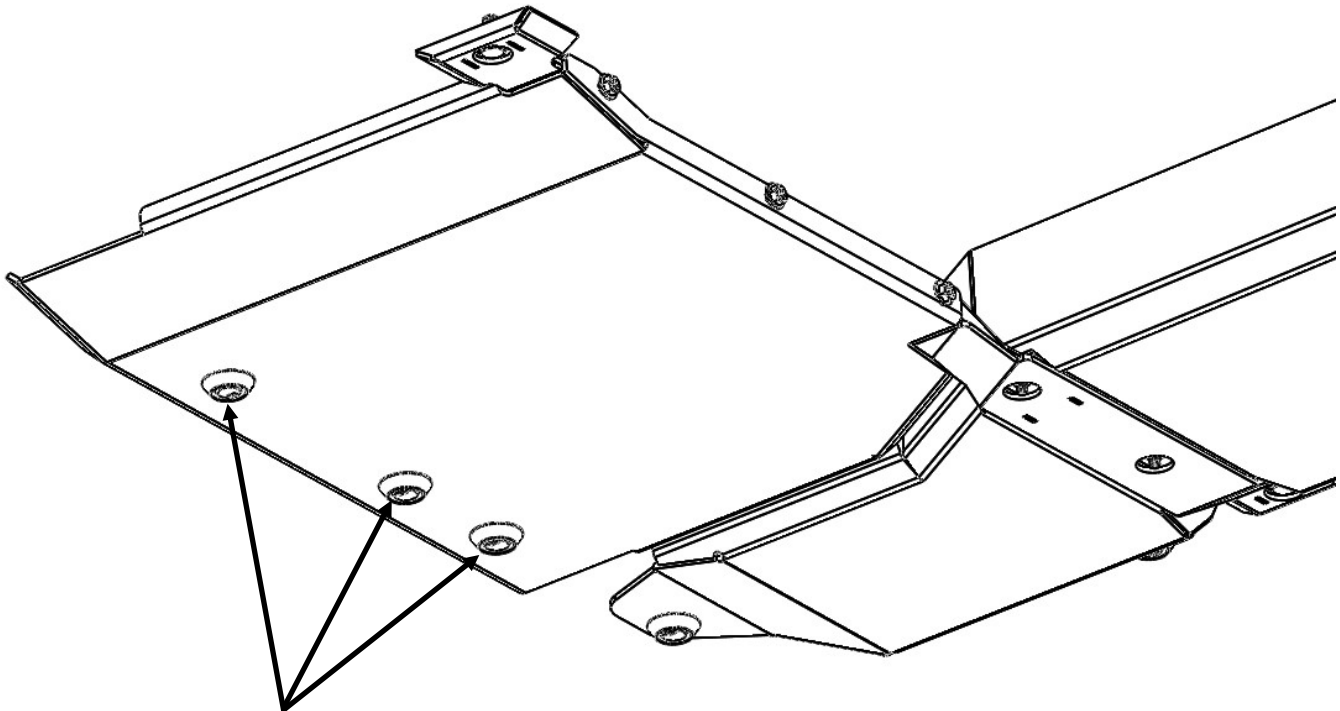
## Hardware Installation Diagrams



3/8"-16 x 3" Length Grade 8 Hex Head Cap Screw (Qty:3)

3/8" SAE Flat Washer (Qty:6)

3/8" - 16 Grade 8 Hex Lock Nut (Qty:3)



M12 x 1.50mm x 40mm Length Hex Head Cap Screw (Qty:3)

Rusty's JL Skid Aluminum Rock Washer (Qty:3)



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## WARNING

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