



**Rusty's Off-Road Products**  
 7161 Steele Station Road  
 Rainbow City, AL 35906  
 Phone: (256) 442-0607  
 FAX: (256) 442-0017  
 Web Site: [www.RustysOffroad.com](http://www.RustysOffroad.com)

# TJ Engine & Transmission Skid Plate

**PART #: RA-JS11/13-TJ | APPLICATION: TJ Wrangler/Rubicon**

## INTRODUCTION

Rusty's recommends that this installation should be preformed by a certified automotive technician or a person with a professional mechanical knowledge. Installing this kit with out this expertise may jeopardize the handling and safety of the vehicle.

## PARTS LIST

Be sure you have all needed parts and know where they install. Read each step completely as you go.

PART NO	DESCRIPTION
RA-JS11/13-TJ .....	(1) Skid Plate
ETCM-TJ.....	(1) E/T Crossmember
13107 .....	(2) 3/8x 1.25 Bolt
37024 .....	(2) 3/8 NyLock
33008.....	(4) 3/8 Washer
33005.....	(2) 5/16 x 1 Bolt
12007.....	(2) 5/16 Nylock
13555.....	(4) 5/16 flat washer
13623.....	(2) 8mm x 1 Bolts

## FRONT INSTALLATION

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

- 1) Properly block and secure vehicle prior to installation.
- 2) First you will need to locate the rear bolt of the lower control arm; this bolt will need to be positioned so that the nut is on the inside of the frame.
- 3) Place the hook shaped mounting support over the top of the front driveshaft; install it to the rear lower control bolt. Torque this bolt and nut to 130-ft.lbs.
- 4) With the crossmember supported, place the skid plate up into position, using a floor jack makes this part of the job much easier, install the rear bolts to the stock transfer case skid plate, don't tighten bolts at this time. Hold skid plate up to hook shaped mounting support and mark where the two holes will need to be drilled. (Using a center punch or marker).
- 5) Remove skid plate and center punch where marked, drill a 3/8 hole where center punched.
- 6) Place the skid plate back into position and install the 3/8 bolts supplied at the new Rusty's crossmember, torque to 25 to 30 ft. lbs. Install the 5/16 bolts for a '97-02TJ or the 8mm bolts for 03+ TJ, LJ and Rubicon, at the rear of the new skid into the belly pan, torque to 20 ft. lbs.

## 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