



## Jeep Cherokee NP231/242 Transfer Case Skid

1. Jack the skid into place under the factory cross member. The front lip of the skid should be tightly back against the front lip on the cross member. Be sure it's up as far as possible.
2. Check for proper fit, the sides may be slightly bowed out from the uni-frame, but the skid should fit tightly elsewhere and not touch any driveline components.
3. Drilling for the side bolts
  - a. If you **DO NOT** have a cross member drop installed drill a pilot hole in each of the six side slots just off the bottom of every one.
    - i. This is to allow adjustment for a cross member drop later on. If you have an SYE already and have no reason to lower the skid, you may drill anywhere in the slot you choose.
  - b. If you **DO** have a cross member drop installed, drill your pilot hole near the very top of the six slots.
4. Lower the skid plate.
5. Prep and paint the skid with your choice of finish.
6. With a 17/32 bit drill the six pilot holes on the side of the frame rails. Be careful to drill these holes round and not oval. Also be sure the bit doesn't tear the metal as it completely goes through the hole.
7. Your Rivet Nut installation tool should be assembled and will include; in order.
  - a. Rivet Nut
  - b. Star washer
  - c. 1/2" nut
  - d. Flat washer

- e. 3/8 x 1.25" bolt
8. Push the assembled tool and Rivet Nut into the 7/32 hole in the frame. Hold the 1/2" nut with an open end wrench (3/4") and turn the 3/8" bolt head with a 9/16" socket wrench or impact wrench (preferred) until it mushrooms tightly into the hole.
    - a. If all is well, there will be no play or spinning in the Rivet Nut.
  9. Repeat the process for the other six holes.
  10. Once the finish on your skid is complete, jack it into place. Loosely thread the six 3/8 bolts and washers on the sides of the skid to ensure proper placement.
  11. With a 5/16 drill bit, drill through the front 3 holes on the lip of the skid into the cross member.
  12. Install the 3/8 self threading bolts with a 9/16 socket wrench or impact wrench. Tighten them snug enough to hold the skid plate back against the cross member.
  13. With a 3/8 drill bit drill through the bottom two holes on the skid through both the bottom and top of the factory cross member. Try to keep your drill perpendicular to the angle of the skid in that location for a flush fitting bolt.
  14. Loosely install the 3/8 flat head cap screws, washers, and nuts through these holes.
  15. Finally tighten all the bolts in this order.
    - a. Front self threading bolts.
    - b. Bottom flat head cap screws.
    - c. Side hex head bolts.
      - i. As you tighten these any space between the skid and uni-frame should disappear.
      - ii. If while tightening these bolts you notice a Rivet Nut is spinning you can either remove the skid completely and tighten it with the installation tool, or carefully try installing that bolt with an impact with the skid on. This typically will crush the Rivet Nut deeper against the frame and hole.
  16. Enjoy your skid!