



JK Bruiser™ Front Skid Plate

IMPORTANT: Thank you for purchasing this Poison Spyder product. Please read through this entire document before proceeding with installation. If you are not confident in your mechanical skills, please seek the help of a professional to perform the installation. Check your packages immediately upon arrival to ensure that everything listed is included, and to check for damage during shipping. If anything is missing or damaged, or if you need technical assistance with any aspect of this installation, call Poison Spyder at (951) 849-5911 as soon as possible. This document last updated April 2018.

APPLICATIONS

These installation instructions apply to the following Poison Spyder products:



17-57-030P1 JK Bruiser Front Skid

PARTS LIST

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- (1) JK Bruiser Front Skid Plate
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PN: HWKIT-17-57-030 Includes:
 - (9) 5/16-18 X 7/8 Gr8 Hex Head Cap Screw
 - (9) 5/16-18 Gr8 Nylon Insert Lock Nut
 - (16) 5/16 Hardened Flat Washer
 - (2) 5/16 X 1-1/2" OD Fender Washer

TOOLS NEEDED

- Paint and paint supplies (if painting)
- 9/16" end wrenches (2)
- Abrasive cut-off wheel or other suitable metal cutting tool
- 3/8" transfer punch and hammer
- Drill motor and 3/8" drill bit
- Touch-up paint or clear coat

BEFORE YOU BEGIN

The following installation instructions assume that the customer already has a Bruiser or Bruiser MID bumper, and that the Bruiser bumper has already been removed from the Jeep (or installation is in progress, with the bumper not yet installed on the Jeep). See the

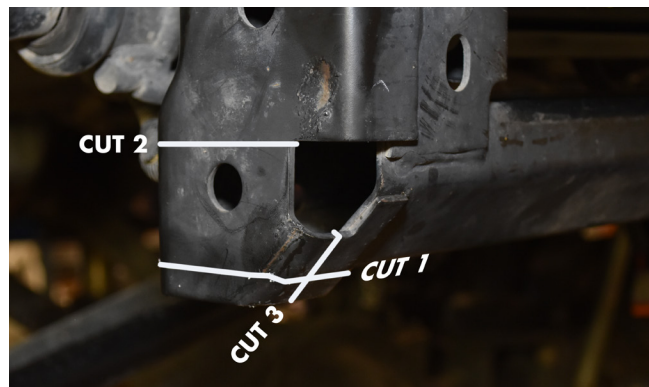
instructions that came with your Bruiser front bumper for details on that procedure.

INSTALLATION PROCEDURE

1. **Park vehicle on a level** surface and set the emergency brake. You will want to wear eye protection beyond this point. It is assumed the stock bumper has already been removed, and that the Bruiser bumper installation is already in progress (The bumper should not be mounted on to the Jeep yet). Perform the following steps for installing the Skid Plate, within the bumper installation procedure where noted in the instructions for the bumper.

NOTE: Both ends of the factory "crash bar" (the sheet metal cross-bar that hangs below the bumper mounting flanges at the front of the Jeep's frame) must be trimmed for proper fitment of the Bruiser Skid Plate. The photos and procedures below are from installation on a 2015 Wrangler. There may be slight variations in the crash bar configuration for some year models. In those cases, some pre-fitment and re-trimming may be necessary. Complete the following cut procedures for both ends of the crash bar.

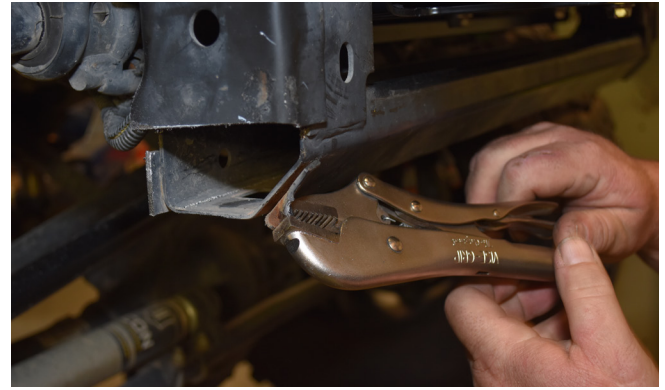
2. **At either end of the** crash bar, the sheet metal vertical members (that connect the crash bar to the frame rails) extend slightly below the bottom edge of the crash bar, and slightly outboard of the ends of the crash bar. Begin by cutting off the bottom of the vertical piece, flush with the bottom edge of the crash bar, marked as CUT 1:



3. **Use a reciprocating saw or** high speed cut-off wheel to remove the material.



4. **CUT 2:** Cut across the outboard side of the crash bar vertical support, even with the top of square shaped hole in the vertical support.



7. Use a grinder or flap wheel to remove burrs and smooth the cut edges.



5. **Cut 3:** Make vertical cuts through both the front and rear surfaces of the vertical support, as marked. This will result in the removal of the lower corner of the support.



8. Use clear coat or touch-up paint to seal the bare metal from the cut edges and grinded areas, to protect against future rust.



6. Use vise grips or pliers to grasp the remaining tabs from the removed piece. Pry them away, and work them back and forth until the welds break.



9. **Mount the skid to the Bruiser bumper.** Use a padded work surface to protect the SpyderShell finish of both components.



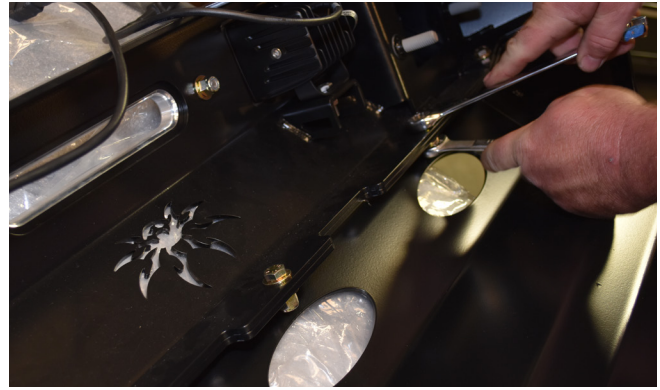
10. Bolt the Skid Plate to the bottom of the Bruiser Front Bumper, using the provided 5/16-18 X 7/8 Gr8 Hex Head Cap Screws through the holes in the mounting flange for each piece, fastened with the provided 5/16 Gr8 Flat Washers and 5/16-18 Gr8 Nylon Insert Lock Nuts. These holes will align when the two pieces are properly mated together. Begin by fastening the center-most bolt hole location, then working outward toward both ends of the bumper/skid.



11. Only start the threads of each bolt/nut. Do not begin tightening them until the threads have been started for ALL of them.



12. Once all of the fasteners are started, go back over each one and wrench-tighten them, beginning in the middle and working your way toward the ends.



13. Installation of the Skid to the Bruiser Bumper is now complete. Return to the bumper installation procedure to continue with the installation of the bumper on to the Jeep.



OPTIONAL: The two 3/8 holes along the bottom edge of the skid plate may be used to bolt the skid to the crash bar, if desired. This will require corresponding holes to be drilled into the bottom edge of the crash bar, AFTER the bumper installation is completed (return to these instructions after completing the bumper installation instructions). Note that bolting to the crash bar is considered optional, and its omission will not be a considerable detriment to the bumper/skid structural integrity.

14. Use a hammer and a 3/8" transfer punch through each of the two holes to mark the drill locations along the bottom of the crash bar. Once these marks have been made, remove the bumper and skid plate.

15. Use the drill motor and 3/8" bit to drill the two holes along the bottom of the crash bar that were located and marked in the preceding step.

16. De-burr the edges of the holes then use touch-up paint or clear coat to protect the bare metal.

17. Use the remaining 5/16-18 X 7/8 Gr8 Hex Head Cap Screws, fender washers and lock nuts to fasten the skid to the crash bar. The wide fender washers are intended for use on the crash bar side.

Congratulations, you have completed the installation of your Poison Spyder JK Bruiser Front Skid Plate!