



JK Brawler™ Lite 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 as soon as possible. This document last updated January 2026.

APPLICATIONS

These installation instructions apply to the following Poison Spyder products:



1759030P1 JK Brawler Lite Front Skid Plate

PARTS LIST

Please 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, call Poison Spyder as soon as possible.

- (1) JK Brawler Lite Front Skid Plate
- (1) JK Brawler Lite Front Skid Plate Hardware Kit

PN: HWKIT-1759030 Includes:

- (13) M10 X P1.5 X 25 MM. Hex Head Cap Screw
- (13) M10 X P1.5 Lock Nut
- (9) M10 Flat Washer
- (4) M10 Washer OD 38.1 MM.

TOOLS NEEDED

- Paint and paint supplies (if painting)
- 17 MM. 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

The following installation instructions assume that the customer already has a Brawler Lite front bumper, and that the OE bumper and the Brawler Lite bumper has already been removed from the Jeep. See the instructions that came with your Brawler Lite front bumper for details on that procedure.

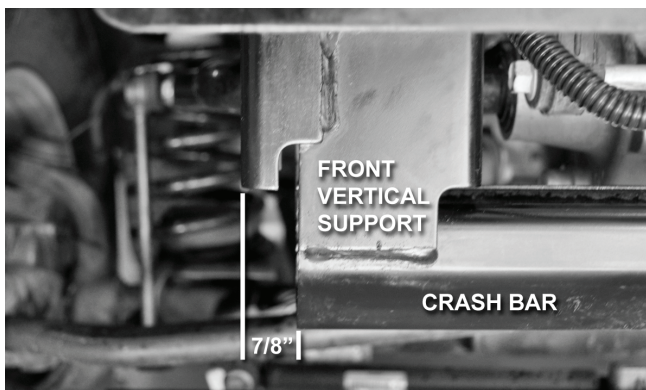
INSTALLATION PROCEDURE

- 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 Brawler Lite 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.
- 2. Bolt the Skid Plate to** the bottom of the Brawler Lite Front Bumper, using the nine (9) provided M10 X P1.5 X 25 Hex Head Cap Screws through the holes in the mounting flange for each piece, fastened with the provided M10 Flat Washers and M10 Lock Nuts. These holes will align when the two pieces are properly mated together. Note that the bolts at the front-outermost corners on each side may interfere with the Jeep's bumper mount flanges. This is due to some year-to-year manufacturing variances in Jeep models. If yours does not fit properly during test fitting, simply pull the bumper/skid, remove the two front-outer bolts, and continue with the installation. Deletion of these two bolts will be insignificant to the integrity of the bumper/skid structure. Tighten the M10 bolts.

NOTE: The factory "crash bar" is the thin sheet metal crossmember which runs from one side to the other, at the front of the Jeep's frame, just behind the bumper (the bumper should already be removed at this point). There is some small interference between the crash bar and the skid plate, the amount of which will vary by Jeep year model. At your discretion you may choose to either trim the crash bar to accommodate the skid plate, or remove the crash bar altogether. We recommend complete removal of the crash bar. The crash bar's

purpose is superficial once the skid plate is installed, so it may be removed without any compromise of the Jeep's structural integrity.

3. **If the choice is made** to REMOVE the crash bar, use a pneumatic cut-off wheel to simply cut the crash bar and its side bracketry completely off of the frame. Clean up the cuts with a grinder, and paint the bare metal to discourage rust. Skip this step and move to the next step if the choice is made to keep the crash bar.
4. **If the choice is made** to KEEP the crash bar, the lower corner of the crash bar at either end must be trimmed for proper fitment of the Brawler Lite Skid Plate. Use an abrasive cut-off wheel or other suitable cutting tool to trim off the end of the crash bar. On most year models, your cut should be adjacent to the outside edge of the front vertical support, or 7/8" inboard from the outside edge of the outermost frame bracket as shown in Figure 1. Due to variances in different year models, your JK may require more or less trimming than shown. So some test-fitting and further trimming of the crash bar may be required.



5. **Once the crash bar has** been trimmed for fitment of the skid, use a file or die grinder to de-burr the cut edge, then apply touch-up paint or clear coat to the exposed bare metal for protection against corrosion.
6. **Install the bumper and skid** plate assembly onto the frame. There are eight (8) threaded studs located on the inside/backside of the bumper, which will correspond with the bumper mounting holes on the frame. It may be a tight fit due to slight manufacturing variances from Jeep to Jeep, but the bumper will fit with some gentle persuasion. You may need to use a rubber mallet or soft dead-blow hammer to tap the bumper into place. Be careful not to mar your paint or powdercoat finish. Note the possible bolt interference that was discussed in Step 2, and remove the two denoted bolts if they cause a fitment issue.

7. **Locate the 1/2-13 nylon insert** lock nuts and 1/2" flat washers that came in the hardware kit with your Brawler Lite front bumper. Install a flat washer and lock nut onto the two bumper mounting studs at the outside of the frame rail on either side of the Jeep. Snug these with the 3/4" deep socket, extension and ratchet but do not over-tighten. Do not install the inboard nuts at this time.
8. **OPTIONAL: The four M10 holes** along the bottom edge of the skid plate may be used to bolt the skid to the crash bar, if desired and if the crash bar was not removed earlier. This will require corresponding holes to be drilled into the bottom edge of the crash bar. Use a hammer and a 3/8" transfer punch through each of the four 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. 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.
9. **Use the drill motor and** M10 bit to drill the five holes along the bottom of the crash bar that were located and marked in the preceding step.
10. **De-burr the edges of the** holes then use touch-up paint or clear coat to protect the bare metal.
11. **Proceed with the remainder of** the front bumper installation procedure. If using the option to bolt to the crash bar, use the four (4) supplied M10 x P1.5 x 25 MM. Hex Head Cap Screws, along with M10 Fender Washers and M10 X P1.5 Insert Lock Nuts to bolt through the bottom of the Brawler Lite Skid Plate, into the crash bar.

Congratulations, you have completed the installation of your Poison Spyder JK Front Brawler Lite Skid Plate! Now, please proceed with the remaining instructions to complete the installation of your JK Brawler Lite Front Bumper.

Poison Spyder Consumer Terms & Conditions

Product Care & Maintenance

Raw Aluminum Finish – Clean using a mild soap-and-water solution, then dry thoroughly with a soft cloth to prevent water spots. To reduce oxidation, apply a high-quality aluminum protectant or clear sealant periodically. Avoid harsh chemicals, acidic cleaners, or abrasive pads that may scratch or discolor the surface. Raw aluminum may naturally develop a patina over time; regular cleaning and protectant application will help preserve its look.

Stainless Steel Finish – Use a non-abrasive aluminum polish to address minor scratches or scuffs. For routine cleaning, use mild soap with water or a non-abrasive glass cleaner. To protect the finish, apply a high-quality carnauba automotive wax regularly. Do not use abrasive cleaners, polishes, or non-carnauba waxes as they may cause damage.

Smooth Powdercoated Finishes – Clean using mild soap and water with a soft cloth or sponge. For added protection, apply a non-abrasive automotive wax formulated for painted finishes. Avoid abrasive cleaners, solvents, or high-pressure washing directly at edges and seams, as this can compromise the coating and lead to chipping or peeling.

Textured Coated Finishes – Clean with mild soap and a damp sponge. Do not use polishes or waxes requiring buffing, as these can damage the textured surface.

Chrome Finish – Clean with mild soap and water, or a non-abrasive glass cleaner. Protect the finish by applying pure carnauba automotive wax regularly. Avoid abrasive products.

Limited Warranty

Poison Spyder offers a **Limited Lifetime Warranty** on the materials and construction of its fabricated products. This warranty guarantees to the original retail purchaser that the product will remain free from structural defects in material and workmanship for as long as they own it, subject to the terms and exclusions below.

Powdercoat “Spydercoat” Finish Coverage

5-Year Warranty – Standard-use products with powdercoated finishes are covered against defects for **five (5) years**.

1-Year Warranty – Products specifically designed for heavy contact with terrain—such as frame-mounted rocker protection and skid plates—carry a **one (1) year** finish warranty.

Finish warranties do not cover scratches, chips, or damage caused during installation, impacts, or normal wear and tear.

Exclusions

This warranty does not cover: Misuse, improper installation, or inadequate maintenance On-road or off-road hazards, accidents, or impacts Unauthorized modifications Normal wear and tear Racing or competition damage Chemical exposure (including road salts, de-icing agents, cleaning chemicals, or corrosive substances) Extreme environmental conditions (including prolonged exposure to moisture, UV radiation, or highly corrosive climates such as coastal or winter road environments)

Terms

The warranty is **non-transferable** and applies only to the original purchaser with valid proof of purchase. Remedy under this warranty is limited, at Poison Spyder’s discretion, to repair or replacement of the defective product, provided it is returned at the customer’s expense. Coverage eligibility is determined solely by Poison Spyder. Product designs, specifications, and finishes are subject to change without notice.

Legal Rights

Some states/jurisdictions do not allow limitations on implied warranties or the exclusion of incidental/consequential damages. This warranty provides specific legal rights, and you may also have additional rights that vary by state or jurisdiction.

Safety Warning

Vehicle modifications, including the use of Poison Spyder products, can affect handling, stability, and performance, potentially increasing the risk of accidents or rollovers.

- Poison Spyder products are decorative and not intended to prevent injury or damage in an accident.
- Review applicable state and local laws before installation. Ensure products do not obstruct lights or interfere with vehicle safety systems, and comply with bumper mounting height rules & regulations.
- Always follow your vehicle owner’s manual and Poison Spyder installation instructions.
- Safe driving remains the sole responsibility of the driver. Always wear seat belts, obey traffic laws, avoid impaired driving, and adjust speed to road conditions.

Proposition 65 Warning (California Only):

This product can expose you to chemicals known to the State of California to cause cancer and reproductive harm.

