



JK BFH FRONT BUMPER INSTALL



The Poison Spyder Customs BFH front bumper is easy to install with the right tools and good mechanical abilities. If you are not confident in your mechanical skills, please seek the help of a professional to perform the installation. Please read through these entire instructions before proceeding with installation.

PARTS LIST

- (1) JK BFH Bumper
- (4) 1/2-13 X 5-1/2 Gr8 hex head cap screw
- (8) 1/2 Gr8 flat washer
- (4) 1/2-13 all-metal lock nuts

TOOLS NEEDED

- 3/4 socket
- Ratchet
- 3/4 wrench
- Torque wrench
- Soft dead blow hammer or mallet
- Reciprocating saw with bi-metal blade OR pneumatic cut-off wheel OR plasma cutter OR similar tool for cutting metal
- Angle grinder
- C-Clamps or bar clamps
- Phillips screwdriver
- Measuring tape, square, and/or straight edge
- Fine-tip felt marker
- 1/2" drill bit and drill motor
- Primer and paint

BEFORE YOU BEGIN

The Poison Spyder Customs BFH bumper comes as unpainted, bare steel. You will want to either powder coat or paint the bumper prior to install. If painting yourself, careful preparation will make a big difference in the quality and longevity of your paint job, even using "rattle can" aerosol paints. Begin by thoroughly cleaning the bumper with solvent or de-greaser, then make sure all residue is removed. Even if you use cheap paint, try to use a good quality primer. "Etching" primers are best to use on bare, unpainted metal. Allow it to properly dry before painting, and between paint coats.

INSTALLATION PROCEDURE

1. **Park the Jeep on a flat, level surface** and set the parking brake.
2. **Remove existing front bumper.**
3. **Remove the "Crash Bar".** Use a torch, plasma cutter, pneumatic or electric cutoff wheel, reciprocating saw, or the cutting device of your choice. At each end of the Crash Bar there is a vertical bracket that attaches it to each frame rail. Cut these brackets off as close as possible where they meet the frame rail. Be careful not to cut INTO the frame rail.



FIGURE 1

4. **Measure 2" back, along the frame rail,** from the front edge of the OE bumper mounting bracket. Use a square and/or straight edge to mark a straight, perpendicular cut line at this 2" measurement.



FIGURE 2

5. Use a reciprocating saw or other suitable cutting device to cut the frame rails off, along the cut line you marked.

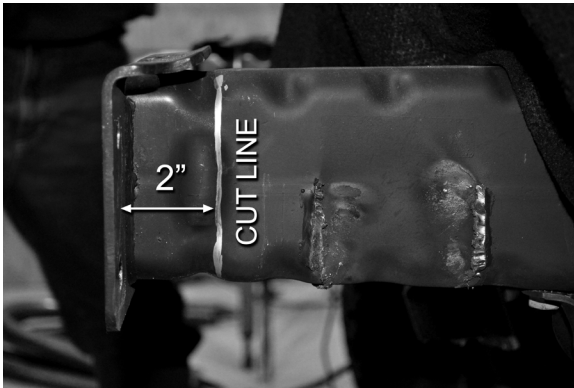


FIGURE 3

6. Use a grinder to de-burr the cut edges and smooth down the remnants of the crash bar brackets. You will need to get the outboard surfaces of the frame rails fairly smooth for proper fitment of the BFH bumper.



FIGURE 4

7. Apply primer and paint to the bare metal in the areas where you cut and grinded, including the cut edges of the frame rails. Properly coating these areas at this time will help to prevent rust in the future.

8. **Remove the grille by** opening the hood and removing the six (6) Phillips head screws along the top of the grille. Reach behind the grille and disconnect the headlight and turn signal lamp sockets. Remove the grille while carefully disengaging the snaps along the bottom edge of the grille.
9. **Place the BFH Bumper** on to the frame rails. Visually align the rearward, elongated bumper mounting slots with the existing holes in the frame rails. Take measurements to ensure that the bumper is installed square to the frame and grill, and centered in relation to the frame rails. Use a soft dead-blow hammer, if necessary, to make fine adjustments. Use C-clamps or bar clamps to hold the bumper tightly in place.
10. **Use a 1/2" drill bit** and drill motor to drill the rearward hole in the bottoms of the frame rails by slipping the bit through the hole in the top of the frame rail and using it as your drill guide. Be careful to hold the drill as straight and perpendicular to the frame rail as possible. Install two of the supplied Grade 8 bolts, with lock nuts and flat washers, through the bumper and frame rails at these rearward holes.
11. **Use the 1/2" drill bit** and drill motor to drill the forward mounting holes through the frame rails, using the bumper itself as your drill guide. Drill the upper hole from the top and the lower hole from underneath. Do not try to drill both the top and the bottom through the same hole in the bumper, as you may not get the holes properly aligned. Install the remaining two of the supplied Grade 8 bolts, with lock nuts and flat washers, into these forward mounting holes.
12. **Torque all four cap screws/nuts** to 85 ft./lbs.
13. **Re-install the grille by** reversing the removal procedure from Step 8.
14. **If installing the optional BFH Disco Skid**, follow the instructions that came with the Disco Skid. If installing a winch with Poison Spyder Winch Fairlead Mount, follow the instructions included with the Winch Fairlead Mount.

Congratulations, you have installed your Poison Spyder Customs BFH front bumper!

WARRANTY

Poison Spyder Customs™ warranties all of the products we sell and distribute for one (1) year from the date of sale. These products will be free from defects in material and workmanship under normal installation, and use. Due to the intended use the powder coat finish is warranted for ninety (90) days. The finish warranty will not cover a product if it has been damaged in any way. Warranty is limited to repair or replacement. Poison Spyder Customs™ does not offer any type of labor or shipping allowance and all warranty claims are subject to inspection by Poison Spyder Customs™.

At the discretion of Poison Spyder Customs™, the products in question can be repaired or replaced when found defective. Prior to any replacement or repair, written authorization must be obtained from Poison Spyder Customs™. Failure to contact us prior to having warranty work performed will immediately void all applicable warranties; and it is then the sole responsibility of the customer to remit any payment incurred.

The warranty expressed above is the sole warranty of Poison Spyder Customs™, and any other expressed or implied warranties are hereby specifically excluded and disclaimed.

HOLD HARMLESS AGREEMENT

1. In purchasing a Poison Spyder Customs Product™ I release, waive, discharge and covenant not to sue Poison Spyder Customs officers, servants, agents, or employees (hereinafter referred to as Releasees) from any and all liability, claims, demands, actions and causes of action whatsoever arising out of or related to any loss, damage, or injury, including death, that may be sustained by me (or anyone else), any property belonging to me (or anyone else), whether caused by the negligence of the releasees or otherwise, while working on, using or any activity related to this product.
2. I am fully aware of risks and hazards connected with the use of a this product and I elect to voluntarily engage in such use of this product knowing that the use may be hazardous to me and my property. I voluntarily assume full responsibility for any risks of loss, property damage or personal injury, including death,

that may be sustained by me (or anyone else), or any loss or damage to property owned by me (or anyone else), as a result of using this product, whether caused by the negligence of releasees or otherwise.

3. I further agree to indemnify and hold harmless the releasees from any loss, liability, damage or costs, including court cost and attorney fees, that they may incur due to my use of a this product, whether caused by negligence of releasees or otherwise.
4. It is my express intent that this Release and Hold Harmless Agreement shall bind the members of my family and spouse, if I am alive, and my heirs assigns and personal representative, if I am deceased, and shall be deemed as a release, waiver, discharge, and covenant not to sue the above named releasees. I further agree that this Waiver of Liability and Hold Harmless Agreement shall be construed in accordance with the laws of the State of California.

By accepting this product, I acknowledge and represent that I have read the above Waiver and Liability and Hold Harmless Agreement, understand it and accept it voluntarily as my own free act and deed; no oral presentations, statements, or inducements, apart from the foregoing written agreement, have been made; I am at least eighteen (18) years of age and fully competent; and I execute this Release for full, adequate and complete consideration fully intending to be bound by same.

If you do not agree with the preceding Hold Harmless Agreement, you may return the product and receive a full refund. Please, contact a Poison Spyder Customs™ sales representative and they will issue a call tag for the product in question. Once the product has been received by Poison Spyder Customs™ a full refund will be issued.