



JK BFH™ Front Bumpers

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 May 2015.

APPLICATIONS

These installation instructions apply to the following Poison Spyder products:



- 17-16-020** JK BFH Front Bumper
- 17-16-020-D** JK BFH Front Bumper - Tabs
- 17-16-020-B** JK BFH Front Bumper - Brawler Bar
- 17-16-020-DB** JK BFH Front Bumper - Brawler Bar - Tabs (shown)
- 17-16-020-C** JK BFH Front Bumper - Comp Stinger
- 17-16-020-DC** JK BFH Front Bumper - Comp Stinger - Tabs
- 17-16-020-S** JK BFH Front Bumper - Trail Stinger
- 17-16-020-DS** JK BFH Front Bumper - Trail Stinger - Tabs

PARTS LIST

- (1) JK BFH Front Bumper
- (1) JK BFH Bumper Hardware Kit
PN: HWKIT-17-16-020 includes:
 - (4) 1/2-13 X 5-1/2 Gr8 Hex Head Cap Screw
 - (4) 1/2-13 Gr8 Nylon Insert Lock Nut
 - (8) 1/2" Hardened Flat Washer

TOOLS NEEDED

- 3/4" wrench, socket, ratchet & torque wrench
- Soft dead blow hammer or mallet
- Reciprocating saw with bi-metal blade OR pneumatic or electric cut-off wheel OR plasma cutter OR similar tool for cutting metal
- Angle grinder
- C-clamps or bar clamps
- Phillips screwdriver

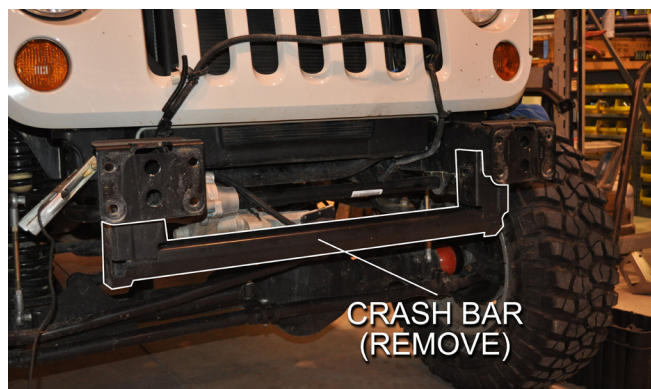
- Measuring tape, square, straight-edge
- Fine-tip felt marker
- 1/2" drill bit and drill motor
- Primer and paint.

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

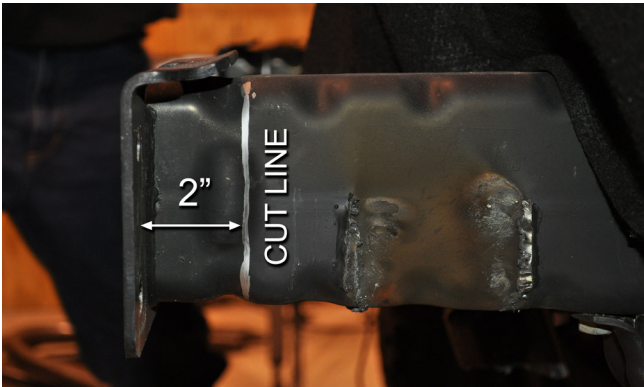
- 1. Park the Jeep on a flat, level surface and set the parking brake.**
- 2. Remove existing front bumper.**
- 3. Remove the "Crash Bar".** Use a torch, plasma cutter, pneumatic or electric cutoff wheel, reciprocating saw, or the cutting device of your choice. At each end of the Crash Bar there is a 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.



- 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.**



- 5. Use a reciprocating saw or other suitable cutting device to cut the frame rails off, along the cut line marked in the previous step.**



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



- 7. Apply primer and paint to the bare metal in the areas that were cut and grinded, including the dut 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 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. If the Jeep is a 2012 or later model with the vacuum canister located on the inner frame rail, relocate it using the JK Vacuum Canister Relocation Bracket (sold separately), following the instructions that came with that bracket.**
- 10. 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. Use a soft dead-blow hammer, if necessary, to make the fine adjustments. Use C-clamps or bar clamps to hold the bumper tightly in place.**
- 11. Use a drill motor and 1/2" bit 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.**
- 12. Drill a 1/2" hole through the frame rail at the forward mounting holes, 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.**
- 13. Torque all four cap screws/nuts to 85 ft./lbs.**
- 14. Re-install the grille by reversing the removal procedure.**
- 15. 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!