

## CRUSHER CORNERS INSTALL PROCEDURE



Thank you for purchasing Poison Spyder Crusher Corners™ for your Jeep. Installation is fairly simple however care and patience must be used to ensure the best installation. 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.

Note: Install Instructions apply for models with and without DeFender™ Flares.

**IMPORTANT:** Completely install and remove the Crusher Corners™ prior to painting or powder coating it. This will allow you to check for fitment or do any clearancing or fitting ahead of time, to reduce the chance of damage to the finish during final installation. Poison Spyder Customs Inc. is not responsible for costs for or damage to paint or powder coat finish under any circumstances, including paint or powder coat of incorrectly shipped or defective parts.

**IMPORTANT:** Please check your packages immediately upon arrival to ensure that everything listed below is included, and to check for damage during shipping. If anything is missing or damaged, call Poison Spyder at (951) 849-5911 as soon as possible.

### PARTS LIST

- (1) Driver Side Crusher Corner
- (1) Passenger Side Crusher Corner
- (x) 3/8-16 SS Flat Head Cap Screw\*

(x) 3/8-16 Nylon Insert Lock Nut\*

(x) 3/8 Flat Washer\*

\*Quantity "x" varies by Jeep model:

(22) CJ7

(18) CJ7 Comp Cut

(22) TJ

(20) TJ Comp Cut

(24) YJ

(20) YJ Comp Cut

(30) LJ

(26) LJ Comp Cut

(y) 3/8-16 Nut-ert\*\*

\*\*Quantity "y" varies by Jeep model:

(2) CJ7

(0) CJ7 Comp Cut

(4) TJ

(2) TJ Comp Cut

(2) YJ

(0) YJ Comp Cut

(4) LJ

(2) LJ Comp Cut

### TOOLS NEEDED

- Primer & paint (unless Corners have already been painted or powder-coated)
- Fine tip felt marker (Sharpie® or similar)
- 7/32 hex key (Allen wrench) or hex socket
- 9/16 combination open end/box end wrench and/or socket with ratchet
- Drill motor with 3/8" & 17/32" (optional) drill bits
- 1" hole saw (optional) & 4-1/2" hole saw (optional if installing LED taillights)
- Auto-punch or center punch with hammer
- C-Clamps, welding clamps or similar, and/or a helper
- Pneumatic body saw, nibbler, electric jig-saw with bi-metal blade, or die grinder with cut-off wheel (optional if installing Comp

## Poison Spyder Customs • CRUSHER CORNERS INSTALLATION

Cut corners or LED taillights)

- Various hand tools for R&R of fuel filler, license plate frame, taillights, flares, etc. (will vary by vehicle)

### VEHICLE PREPARATION

*Do these steps for both sides*

1. **Be sure to start** with a clean vehicle. Installation is easiest with the hard or soft top removed. If there is any carpet along the inside wheel well, remove or pull it out of the way.
2. **Remove any plastic flares** on the rear of the vehicle. Remove the OE taillights.
3. **Remove the gas cap** and plastic gas filler bezel (reinstall gas cap at this time).
4. **If there are any** license plate brackets, remove them at this time.

*Notes:*

- On '04 and later TJ/LJ's you will need to remove the plastic tailgate hinge covers.
- Some early CJ's with OE roll bars have bolts that run through the side of the tub. These will need to be removed at this time (new holes will need to be re-drilled through the roll bar plate).
- If you are welding the Crusher Flares to the Crusher Corner, weld them PRIOR to painting/powder coating the Crusher Corners or installing them on the vehicle.

### CRUSHER CORNERS INSTALLATION

*Do these steps for both sides*

1. **Park vehicle on a level surface** and set the emergency brake. Wear eye protection beyond this point.
2. **Position Crusher Corner into place** on the rear corner of the Jeep and check for proper fitment.
3. **Clamp the Crusher Corner** to the body using either a C-clamp or similar device (double check all mounting positions for correct alignment).
4. **Check for proper tailgate clearance** and operation.
5. **Using a sharpie marker**, mark all of the 3/8" mounting holes along the side and back of the

Crusher Corner. Mark the LED tail light hole if applicable. Carefully remove the Crusher Corner from the vehicle and set aside.

*NOTE: If you are installing Comp Cut corners, use the sharpie to trace the lines of the corner on the body where you will need to cut. You will need to remove all of the support in the inner wheel well area.*

*NOTE: 'Installing Comp Cut Crusher Corners on 03 and up TJ requires the relocation of the charcoal canister.*

6. **Using a center punch** and a medium sized hammer, punch the center of the marked hole.
7. **Check carefully for any** obstructions/wires on the inside of the Jeep where the holes are to be drilled.
8. **Use a sharp 3/8"** drill bit to drill out the holes that were previously marked. Be sure to remove any metal debris or burrs from around the holes.
9. **On driver/passenger bottom rear** mounting hole closest to tailgate, an access hole will need to be drilled by drilling all the way through the tub (this will only be necessary on non-Comp Cut installations). Then, from inside the tub, use a 1" hole saw centered on the previously drilled through-hole. The resulting 1" hole provides access to the lock nut that will be installed there. Spray exposed bare metal with clear-coat. A CJ7 rubber body plug or generic 1" rubber plug from the hardware store can be used to plug the hole after installation is complete.

*OPTIONAL: If desired, rather than cutting the 1" access hole you may install the supplied 3/8" nut-serts in these locations. Only use the supplied nut-serts if you are familiar with how to properly install them. They will require a 17/32" drill bit and a Nut-Sert Installation Tool. Note that we recommend using a professional Nut-sert install tool such as the "Marson™ Giant Threadsetter", if one is available. If a proper nut-sert install tool is not available, a make-shift one may be fashioned using a hex bolt, oversized nut and washers, as shown in the "Nut-Sert Installation Tool Instructions" PDF file which may be downloaded from the Poison Spyder website Tech Library section. On Jeep TJ & LJ, it may*

## Poison Spyder Customs • CRUSHER CORNERS INSTALLATION

*be easier to use nut-serts at the forward-most hardware locations on either side as well, so we have provided 2 additional nut-serts for this purpose, in the hardware kits for those vehicles.*

- 10. If installing Comp-Cut corners,** use a pneumatic body saw or other suitable tool to cut along the previously-marked cut lines. De-bur the cut edges with a grinder or file. It is recommended to spray an aerosol clear coat over the areas where exposed metal shows through. Comp Cut corners require the relocation of the tailgate hinges on TJ's and YJ's as well as the relocation the rear body mount on all vehicles
- 11. If installing the LED taillights,** cut out the hole using a 4.5" hole saw or pneumatic body saw. Be sure to check for wiring behind the sheet metal prior to cutting. On CJ8's with LED's the horizontal portion of the inner wheel well will need to be trimmed. Spray the exposed cut edges with clear-coat to prevent rust.
- 12. Using the supplied hardware,** re-install the Crusher Corner into place. Loosely install flat head cap screw, flat washer (on the back side) and lock nut. Do not tighten hardware at this time (allow the Crusher Corner to "float" until all hardware is loosely installed). Once all hardware is in place, carefully align the Crusher Corner into place, then tighten all hardware using the 7/32 hex key and 9/16 wrench.
- 13. If installing LED taillights,** continue with Poison Spyder's separate instruction sheet "LED TAILLIGHTS & FLASHERS INSTALLATION", which came with your LED taillights (if purchased through Poison Spyder) or may be downloaded in PDF form from the Tech Library section of our website.
- 13. Re install any OE pieces** that will re reused (flares, gas filler bezel, license plate bracket or OE taillights).

INSTALLATION INSTRUCTIONS

# Poison Spyder Customs • CRUSHER CORNERS INSTALLATION

## **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.*

INSTALLATION INSTRUCTIONS