

## DEFENDER XC INSTALLATION



Thank you for purchasing Poison Spyder DeFender™ XC's for your Jeep. Installation is fairly simple with the right tools and good mechanical abilities. However, some subsequent procedures such as re-mounting under-hood components, installing and wiring replacement turn signals, etc., are outside the purview of these instructions. If you are not confident in your mechanical skills or that you will be able to figure out and execute solutions to these problems on your own, please seek the help of a professional to perform the installation. Please read through these entire instructions before proceeding with installation.

**IMPORTANT:** Completely install and remove the DeFenders™ XC's 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.

### 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 at (951) 849-5911 as soon as possible.

- (1) Driver side DeFender™ XC
- (1) Passenger side DeFender™ XC
- (1) Driver side DeFender™ XC Side Insert
- (1) Passenger side DeFender™ XC Side Insert
- (1) Battery Tray Bracket (TJ/LJ Only)
- (14) 5/16-18 X 3/4 SS button head cap screw

### INSTALLATION PROCEDURE

1. **Park vehicle on a level** surface and set the emergency brake. Wear eye protection beyond this point.
2. **Remove the hood by unbolting** it at the hinges, and set it aside.
3. **Remove the stock fender assemblies**, which includes the inner and outer fenders. They are bolted to both the firewall and the grille (retain the OE hardware as it will be re-used with the DeFender™ XC's). You will need to detach any components that are attached to the fenders, such as wiring for the turn signals, air intake filter housing, etc.
4. **(TJ/LJ ONLY) Disconnect and remove** battery, battery tray, and battery tray bracket. Retain the OE hardware.
5. **Loosen the front center body** mount, located directly under the grill.
6. **Position the DeFender™ XC's in place.** Loosely install the OE hardware at the firewall and the grille. Check for proper position/alignment, then tighten all mounting hardware. Check and adjust alignment as you tighten the hardware. Re-tighten the front-center body mount.
7. **(TJ/LJ ONLY) Install the provided** Battery Tray Bracket in the same position as the removed OE bracket, using the OE hardware. Reinstall the battery tray and battery, re-connect the battery.
8. **Install the Side Inserts using** the provided 5/16-18 X 3/4 SS button head cap screws.

Note that the Side Inserts come with pre-installed nuts. The insert is designed to be placed on the inside surface of the DeFender™ XC, with the pre-installed nuts facing toward the center of the Jeep.

### **HELPFUL TIPS & NOTES**

*IMPORTANT: This is an ADVANCED level installation. While bolting in the DeFender™ XC's is fairly simple, some of the subsequent procedures needed to make things work may be complicated and require the installer to figure out how best to handle each item. Following are some notes regarding a few of these issues:*

- You will need to either modify your stock hood or purchase an aftermarket "highline" hood to work with the DeFender™ XC's. If choosing to modify the stock hood, it will need to be trimmed by 3" along the bottom edge, on each side. Take careful measurements and take care with your cutting to ensure the best results. A pneumatic body saw or high speed cut-off wheel works well for this. You will also need to determine how you want to hold the hood down. To re-use the stock hood latches, you will need to drill the appropriate holes in both the hood and the DeFenders. Alternatively you may use hood pins. Details and procedures for either method are left to the installer.
- DeFender™ XC Inner Fenders are sold separately. If desired, it may be possible to re-use your stock inner fenders. We can not provide a detailed procedure for this as it will require some patience, measuring and cutting. One hint we can give is that you will need to leave a strip at least 1" wide along the outside of the fender, outside of the lip under the hood. This will allow you to attach the inner fender using the existing holes in the DeFender™ XC. Hardware is not provided for this (it is provided in the DeFender™ XC hardware kit).
- You will need to figure out strategies for mounting any under-hood components that were previously mounted to the OE inner fender. In some of these cases it will be as simple as drilling a new hole in the DeFender™ XC Inner Fenders and using the OE bracket and hardware. Other items

may require more creativity or fabricating a bracket.

- Re-using the stock air intake box may be a challenge. Until we develop a more suitable solution, we recommend using a conical K&N style intake filter, which is more compact and easier to mount under the hood.
- DeFender™ XC's are intended for off-highway use. If you are going to be using them on public roads, you may need to re-install turn signals, marker lights, etc., in order to be legal in your area. We leave this issue up to the discretion of each installer. If desired, it is possible to install a small 3/4" round LED lamp in the front corner of the DeFender™ XC near where it attaches to the grille. Our standard DeFenders™ come with a hole in this location to accept the small LED lamp, however we leave the space blank on the XC's so that installers may choose whether to run the lamp. To install the LED lamp, simply drill a 3/4" hole in that location. The 3/4" LED lamps are available from Poison Spyder, part number 41-02-075.

**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 preformed 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