

POISON SPYDER

C U S T O M S

LED TAILLIGHTS & FLASHERS INSTALLATION

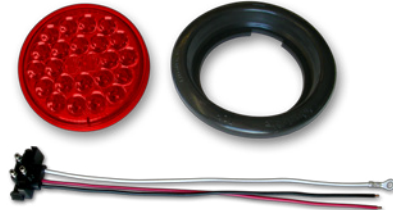
41-04-010

4" Red 6-LED Flange Mount



41-04-050

4" Red 24-LED Push-In



41-04-051

4" Clear 24-LED Push-In



41-04-026

4-Pin LED Flasher 97-2000 TJ



41-04-106

5-Pin LED Flasher 01-06 TJ/LJ



41-04-262

2-Pin LED Flasher 76-95 CJ/YJ



LED TAIL LIGHT INSTALLATION

Poison Spyder Customs 4" LED taillights are designed to work with Poison Spyder Crusher Corners that were specifically made for aftermarket LED taillights. They also work with other manufacturer's corner protectors, or on Jeeps without any corner protectors. In all cases, a 4-1/2" round hole must be cut into corner protector or sheet metal to install the LED (plus screw holes for the flange-mount style LED). These instructions do not cover the procedure for creating this mounting hole, it is assumed that it is already present or you purchased Poison Spyder Crusher Corners already made for LED taillights.

1. **Pull the factory wiring** harness taillight plug through the 4" LED hole to have room to work.
2. **Cut the factory taillight** plug from the stock taillight pigtail (between the plug and the taillight). You will re-use the taillight side of this plug. Leave as much wire as possible.
3. **Use the information in** Table 1 to make the correct connections between the cut wires from the factory taillight plug, and the

black and red wires in the supplied LED pigtail harness. Whether you solder or crimp-connect, we recommend using heat-shrink tubing on all connections. Once the necessary electrical connections have been made, plug the OEM pigtail plug (now with the LED pigtail attached) back into plug in the Jeep's chassis harness. Do not plug the opposite end of the pigtail into the LED lamp fixture at this time.

4. **Tape-off unused wires** in the stock harness. These will be the violet/black wire on both sides (unless you are wiring your own, separate back-up lights) and the green/red wire on the passenger side, which is unused. Stow these wires inside the wire loom or zip-tie them securely to the harness.
5. **Properly ground the white** wire in the LED pigtail harness to your Jeep's body. The push-in style LED's come with a ring terminal already connected to the white wire. With the flange-mount style LED, you will need to add a ring terminal to the white ground wire. Use a sheet metal screw or self-tapping ("tek") screw to secure the ground. Be sure

Table 1: Wiring Connections -- Factory TJ Harness to LED Pigtail

CIRCUIT	DRIVER WIRE	PASS. WIRE*	LED WIRE
back-up lamp	violet/black	violet/black	do not use
running lights	yellow/black	yellow/black	black
turn signal/brakes	green/red	brown/red	red
(not used)		green/red	do not use
LED Ground	N/A	N/A	white

*The Driver and Passenger side wire colors given are for the factory TJ taillight harness. If installing on a YJ, the wire colors given in the Driver's side column apply to both sides.
NOTE: This is a general wiring diagram, there are variances through the years, even from driver side to passenger side.

not to drill through any sheet metal where the back side is exposed or visible. Sand or grind the area where the terminal will contact the sheet metal to ensure a positive contact.

- 6. Plug the LED lamp** fixture into the wiring harness pigtail, then check for operation by switching on turn signals, running lights, brakes. If you have not installed LED-specific flashers yet, the flash speed may be incorrect when checking turn signals at this point. If any light is not working properly, use a test light or meter to check continuity at each of the connections you made, and re-do as needed.
- 7. Secure any slack** in the wiring harness with zip ties, split-loom, etc.
- 8. Install the LED light** by either slipping it into the rubber grommet and pushing it into the hole (push-in style) or by attaching with screws (flange-mount style).

INSTALLATION NOTES:

- On CJ8, additional inner wheel well removal is needed for flush-mount taillight install
- On '03 and newer TJ's, the passenger side taillight may need to be inverted to clear factory emissions equipment.

LED FLASHER INSTALLATION

LED's require a special flasher module to provide the correct current resistance for the LED's as opposed to the factory incandescent bulbs. If you install LED's without the correct flasher, you will notice that your turn signals and flashers will blink at a faster rate.

The correct LED flasher for each year model Jeep will solve this problem, and is available separately from Poison Spyder Customs. Each

LED flasher is an easy plug-in replacement for the factory flasher.

Locations for the stock flashers are as follows:

- 1976-96 CJ/YJ:** Under dash
- 1997-2000 TJ:** Underneath and to the right of the steering column, behind dash cover(s).
- 2001-06 TJ/LJ:** On top of steering column, under steering column cover.

- 1. Remove any dash or column covers** (TJ/LJ)
- 2. Unplug the flasher from** the harness.
- 3. Install Poison Spyder LED Flasher** into the stock flasher socket.
- 4. Check to ensure that** all LED's are working properly.
- 5. Replace any dash or column cover(s)** that were removed in step 1.

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™.

INSTALLATION INSTRUCTIONS

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.