

# POISON SPYDER

C U S T O M S

## DANA 30 & DANA 44 **BOMBSHELL** INSTALLATION



*Poison Spyder Customs' Bombshell differential covers are designed to protect your differential's internals from damage due to menacing trail obstacles. Bombshells prevent cover peel back and fluid loss from broken seals. The design of the Bombshell also protects the bolt heads from trail damage while acting as a ramp, or skid, to help ease you over obstacles.*

### **PARTS LIST**

- (1) Bombshell differential cover
- (1) Fill plug
- (1) Tube silicon sealant
- (10) 5/16-18 X 7/8" gr8 hex head cap screws
- (10) 5/16" gr8 split lock washers

### **TOOLS & SUPPLIES NEEDED**

- 1/2" box end wrench or socket & ratchet
- Medium shop hammer & Chisel or pry bar
- 3/8" hex key
- Oil drain pan
- Gasket scraper or wire wheel
- Brake cleaner
- Gear oil
- Teflon tape or pipe thread sealer

### **INSTALLATION PROCEDURE**

1. Park vehicle on flat level surface. Position an oil drain pan under the differential.

2. Remove all original differential cover bolts and set aside. Using a medium hammer hit the side of the diff cover to break the seal. If necessary, use a chisel or pry bar to break the seal and separate the cover from the housing. Be careful not to gall the sealing surface of the housing.
3. Let the gear oil drain from the housing into a pan (please recycle or dispose of your used oil properly). Clean out the inside of the housing with brake cleaner and wipe dry. Use a wire wheel, gasket scraper or razor blade to clean ALL old gasket material and debris off the sealing surface of the differential housing.
4. You can use either a gasket or silicon sealant on the differential (we provide silicon as it is our preferred choice) . It is usually easiest to put the silicon on the housing first. If you choose to use a gasket it is usually easier to install the gasket onto the Bombshell.
5. Place the Bombshell onto the axle housing with the gasket (if used) and bolt holes properly aligned. Install the new Grade 8 hex head cap screws and lock washers in all mounting locations. Use the wrench to tighten the bolts in an alternating pattern until even factory torque spec is achieved.
6. Refill your differential with gear oil according to your owners manual. IMPORTANT: The fill hole should NOT be considered the full line. In some cases filling to the fill hole will result in an over-full situation, and may result in blowing fluid out through the breather. Consult your owner's manual or manufacturer's documentation to determine the appropriate volume of fluid to use.
7. Install fill plug using teflon tape or pipe thread sealer on the threads.
8. Check for proper clearance with all chassis components by cycling suspension/steering in all directions.
9. Periodically re-torque cover bolts (make it a normal part of your routine maintenance regimen).

INSTALLATION INSTRUCTIONS

# Poison Spyder Customs • BOMBSHELL DIFF COVER 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