



Bombshell™ Diff Cover

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:



- 42-11-030** Dana 30 Bombshell™ Diff Cover
42-11-030-PC Dana 30 Bombshell™ Diff Cover - Black Powder Coat
42-11-044 Dana 44 Bombshell™ Diff Cover (shown)
42-11-044-PC Dana 44 Bombshell™ Diff Cover - Black Powder Coat

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) Bombshell Differential Cover
(1) Bombshell Diff Cover Hardware Kit
PN: HWKIT-42-10-030 includes:
(1) Fill Plug
(1) Tube Silicon Sealant
(10) 5/16-18 X 7/8" Gr. 8 Hex Head Cap Screw
(10) 5/16" Gr. 8 Split Lock Washer

TOOLS & SUPPLIES NEEDED

- 1/2" box end wrench or socket & ratchet; 3/8" hex key
- Medium shop hammer & Chisel or pry bar
- Oil drain pan & new gear oil

- Gasket scraper or wire wheel
- Brake cleaner
- 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**, to the level of the fill hole. Consult the owner's manual for your vehicle or aftermarket locker for recommendation on type of gear oil 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).