



RockBrawler™ Hi-Lift Jack Mount

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 January 2016.

APPLICATIONS

These installation instructions apply to the following Poison Spyder products:



45-61-010 RockBrawler™ Hi-Lift Jack Mount



45-61-011 RockBrawler™ II Hi-Lift Jack Mount

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) RockBrawler™ or RockBrawler™ II Hi-Lift Jack Mount Plate
- (4) Urethane Bushing
- (2) 1/2-13 X 3" Carriage Bolt

- (2) 1/2" Pushnut Bolt Retainer
- (2) 1/2-13 Wing Nut
- (2) 1/2-13 Nylon Insert Lock Nut
- (2) 1/2" SAE Hardened Flat Washers
- (4) 3/8-16 Nylon Insert Lock Nut
- (8) 3/8 Flat Washer
- (4*) 3/8-16 X 1" Gr8 Hex Head Cap Screw
Included with part number 45-61-010 ONLY
- (4*) 3/8-16 X 1-1/4" Gr8 Hex Head Cap Screw
Included with part number 45-61-011 ONLY

*Kit will include (4) 3/8" bolts of either 1" or 1-1/4" length, depending on version of Hi-Lift Jack Mount (part number 45-61-010 or 45-61-011)

TOOLS NEEDED

- Primer, paint, cleaners (if painting)
- 9/16" end wrench, socket and ratchet
- 3/4" end wrench or socket and ratchet (optional)

BEFORE YOU BEGIN

Please make sure you have the correct version Hi-Lift Jack Mount to work with your specific RockBrawler™ rear bumper. If you have the RockBrawler™ Rear Bumper with Tire Carrier, you need the RockBrawler™ Hi-Lift Jack Mount (p/n 45-61-010). If you have the RockBrawler™ II Rear Bumper with Tire Carrier, you need the RockBrawler™ II Hi-Lift Jack Mount (p/n 45-61-011). If you have the incorrect jack mount to work with your specific bumper, call Poison Spyder as soon as possible to exchange it for the correct one.

If your Jack Mount came as unpainted, bare steel, you will want to either powder coat or paint it prior to install. If painting yourself, careful preparation will make a big difference in the quality and longevity of your paint job, even using "rattle can" aerosol paints. Begin by thoroughly cleaning the bumper with solvent or degreaser, then make sure all residue is removed. Even if you use cheap paint, try to use a good quality primer. "Etching" primers are best to use on bare, unpainted

metal. Allow it to properly dry before painting, and between paint coats.

Note that you must already have both a RockBrawler™ or RockBrawler™ II Rear Bumper with Tire Carrier and a Hi-Lift Jack. The Jack must have the lifting mechanism at the bottom of its travel, with the handle locked into place. The handle must be secured by some mechanism such as the urethane jack handle isolators that are available at most 4X4 shops.

INSTALLATION PROCEDURE

1. **Park the Jeep on a** flat, level surface and set the parking brake.
2. **Remove the spare tire from** the RockBrawler Bumper Tire Carrier, if present.
3. **Use the 3/8-16 Hex Head** Cap Screws, Flat Washers and Nylon Insert Lock Nuts to attach the Jack Mount to the top four bolt slots on the RockBrawler tire carrier. It may be necessary to lower the spare tire mount if the top four bolt slots are not available. Thoroughly tighten all four screws/nuts.
4. **Insert the two carriage bolts** into the slots at either end of the Jack Mount. The heads of the carriage bolts should be on the spare tire side of the jack mount (toward the rear of the Jeep, if the tire carrier is latched shut). Make sure the flats under the heads of the carriage bolts correctly engage into the slots. Note that it may be a tight fit, and the carriage bolts might not fully seat until they are tightened in later steps.
5. **Install a 1/2" Pushnut Bolt** Retainer (looks like a thin metal washer with internal "teeth") onto each carriage bolt, with the teeth pointed away from the bolt head. Push the retainers all the way against the Jack Mount Plate.
6. **Install a urethane bushing on** to each carriage bolt.



7. **With the help of a friend**, lift the Hi-Lift Jack up on to the carriage bolts, while feeding the threaded ends of the bolts into the slots on the lifting bar of the Hi-Lift jack.

Make sure the jack is centered in relation to the mount, with the lifting foot of the Jack pointed downward. Make sure the carriage bolts are going through correctly spaced holes in the jack's lifting bar, so that they are straight (perpendicular to the mount).

8. **Install a 1/2" flat washer** on to the threads of each carriage bolt.



9. **Decide whether to use the** supplied 1/2-13 wing nuts or the 1/2-13 nylon insert lock nuts. Install the nut of your choice and securely tighten. Note that the urethane bushing will compress, and the carriage bolts will seat into the slots in the mount plate as the nuts are tightened.

NOTE: Using the wing-nuts will be more convenient, for those who access the Jack more frequently. However, using the lock nuts will be more secure, providing a measure of theft deterrent. Choose whichever method suits your needs best.

10. **Grab onto the Hi-Lift jack** and test that it is securely mounted. Further tighten any fasteners as needed.
11. **Latch the tire carrier and** re-install the spare tire. It may be advantageous to re-adjust the tire mount bracket so that the tire itself is "pre-loaded" against the jack and/or jack mount, to further ensure against movement or rattles.

Congratulations, you have completed installation of your RockBrawler™ Hi-Lift Jack Mount!