



TJ RockBrawler™ Rear Bumper

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.

APPLICATIONS

These installation instructions apply to the following Poison Spyder products:



14-61-010 TJ RockBrawler Rear Bumper

14-61-010-D TJ RockBrawler Rear Bumper - Tabs

PARTS LIST

- (1) TJ RockBrawler Rear Bumper
- (1) TJ RockBrawler Rear Bumper Mount Hardware Kit
PN: HWKIT-14-61-010 includes:
 - (8) 3/8-16 Gr8 Nylon Insert Lock Nut
 - (8) 3/8" SAE Hardened Flat Washer

TOOLS NEEDED

- Primer, paint, cleaners and masking materials (if painting)
- Mechanic's tool set with a full assortment of SAE and metric end wrenches, sockets, ratchets, hex keys, etc.

INSTALLATION PROCEDURE

1. **Park the Jeep on a** flat, level surface and set the parking brake.
2. **Remove existing rear bumper.** If it is the stock bumper, use a T27 Torx driver to remove the plastic bumper extensions, then use an 18mm socket and ratchet remove the large nuts/bolts from the frame rail side brackets and along the bottom of the bumper. Keep the OE hardware as some of it will be re-used.
3. **Remove the pre-installed 3/8-16 nylon** insert lock nuts and washers from the Bolt Plates on the inside of the RockBrawler bumper. Do not remove the Keeper Washers that hold the Bolt Plates in place. Note that there are several sets of unused bolt slots on the bumper's internal mounting surface. These are for different Jeep models, please disregard them for your application.
4. **Install the RockBrawler bumper.** The bolts in the captured bolt plates will align with the mounting holes in

the Jeep's frame/bumper brackets. The Bolt plates are captured in horizontal slots to allow for some adjustment and manufacturing variances in the Jeep's frame. Install the provided 3/8-16 nylon insert lock nuts and 3/8 flat washers on to the threaded studs of the Bolt Plates, where they protrude through the Jeep's mounting bracket. Do not fully tighten them at this time.

5. **Use two (2) of the** 10mm OE mounting bolts (18mm wrench size) to bolt through the slots located along the underside of the bumper into the OE welded-in-place nuts inside the rear crossmember. Do not fully tighten them at this time.
6. **With all hardware installed, check** that the bumper is level and correctly aligned with the Jeep, as the slots in the Bolt Plates will allow for a small amount of adjustment. It may be easiest to slightly tighten each of the bolts then use a soft dead blow hammer or rubber mallet to lightly tap the bumper to make fine adjustments. Check for proper clearances and make any necessary adjustments.
7. **Once the bumper has been** mounted and tested for proper operation, remove the bumper for paint or powder coat. 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 de-greaser, 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.
8. **Once the bumper has been** painted or powder coated, re-install by repeating the above steps. Make sure the bumper is correctly levelled and aligned, and tighten all mounting bolts to 45 ft./lbs.

Congratulations, you have completed installation of your RockBrawler Rear Bumper!