

BODY ARMOR

BY TOLAR MFG. CO., INC.

BUMPER INSTALLATION INSTRUCTIONS

YJ-2993 REAR BUMPER WITH TIRE CAN CARRIER SWING-ARM POST

JEEP WRANGLER YJ (1987-1995) - all models



Bumper and optional Tire/can Carrier PN 5292 shown on installed on TJ

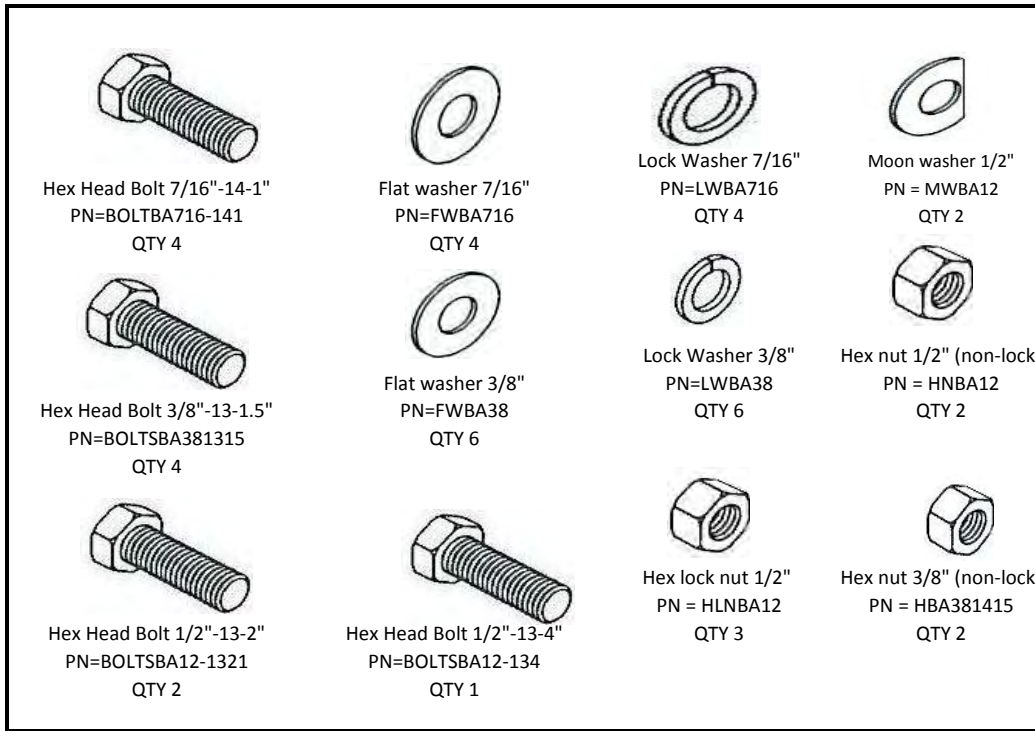


Hardware Kit - YJ-2993

DO NOT INSTALL THIS PRODUCT ON ANY VEHICLE OTHER THAN JEEP YJ* MODELS.

Body Armor designed this product to give you years of dependability and performance. If you encounter any problems during installation of this product, or at any later date, please contact your authorized Body Armor dealer, or call 951-808-0750 for our customer service department, or check our website for tech bulletins regarding your year and model vehicle. Our hours are Monday thru Thursday 7AM-4:30PM and Friday 8AM-12PM, Pacific Time.

Important: Before beginning installation, assure that all parts and hardware listed for your specific bumper are contained in this package. Please contact us immediately should there be any shortages in parts and/or hardware.



BODY ARMOR

BY TOLAR MFG. CO., INC.

- Step 1
- Save all packing materials and take care not to tear cartons.
 - Remove hardware and misc. parts. Check parts/hardware list to confirm all parts and necessary hardware are included.
 - It's a good idea to spray all OE attaching hardware with penetrating oil before beginning removal of OE bumper(s). This will ease removal as well as help assure that none of the bolts'/nuts' threads are damaged during removal.
- Step 2
- Using appropriate tools, remove the OE rear bumper, as well as lights, tow-hooks, etc., saving the (2) lowest mounting bolts. Our installation kit contains new grade 5 bolts with necessary attaching hardware. These should all be used in place of OE bolts and / or hardware except for the lower-tab mounting bolt on each side (should OE bolts be desired).
- Step 3
- Using a floor jack or a helper, hold the bumper in place while threading the 7/16" x 1" bolts with (1) lock-washer and (1) flatwasher on each through the frame-rail into the threaded backing plates in bumper. Hand tighten only at this time.
 - Next install OE bolts (if OE is desired) through lower tabs into frame and hand tighten.
 - Next thread the (2) 3/8" hex nuts onto the (2) studs coming through the crossmember from the bumper's backing plate. See diagram below for reference. Hand tighten only at this time.
- Step 4
- Confirm that bumper is even side-to-side, as well as front-to-back (take measurements from outside of frame-rail to ends of bumper, and from an equal point on frame or body to the back of bumper on each side). Assured bumper is straight, torque down to the set-screw, and tighten the set-screw into the collar of the hinge-tower. The notch and set-screw must be aligned properly to prohibit hinge-pin movement, keeping hinge-pin from spinning up and out of tower.

IF INSTALLING THE SWING ARM PN 5292 THE PLEASE CONTINUE WITH THE FOLLOWING STEPS

- Step 1 Remove the OE spare-tire mount from tailgate. **Retain the OE rubber stops as you will need to install these so that they line up with the top of the swing arm. Not installing these correctly can lead to failure of the swing arm at the hing area or damage to your vehicle's frame. These stops are critical to eliminating vibration of the swing arm. Not insalling these bump stops correctly will void the warrnaty.**
- Step 2 Next attach the Swing-A-Way. Place the Swing-A-Way arm into position and drop in the hinge-pin. Rotate the pin so the notch aligns to the set-screw, and tighten the set-screw into the collar of the hinge-tower. The notch and set-screw must be aligned properly to prohibit hinge-pin movement, keeping hinge-pin from spinning up and out of tower.
- Step 3 Next, if you purchased one, install Hi-Lift Jack with 1/2" x 2" bolts, flat washers, non-lock hex nuts, and ny-lok nuts, with the foot
- of the jack to the passenger side.
 - Install spare mount into upper receiver tube on Swing-A-Way with 1/2" x 4" bolt with (2) moon washers and ny-lok nut. Adjust to depth desired / needed for spare tire / wheel clearance.
 - Check condition of the rubber bump-stops on tailgate as they will be a resting support for Swing-A-Way arm.
 - Check condition of the rubber bump-stops on tailgate as they will be a resting support for Swing-A-Way arm.**
 - Adjust Swing-A-Way latch (as needed) for minimal amount of torq needed for latching. Do not over adjust as too much tension will not allow latch to close properly without damaging "u-bolt" and / or latch-plate attaching bolts in bumper face.
 - Install set-bolt (1/2" x 1") into bottom of tire / wheel receiver tube to prevent rattling / movement of spare tire mount assembly. See photos on last page for references on above steps.

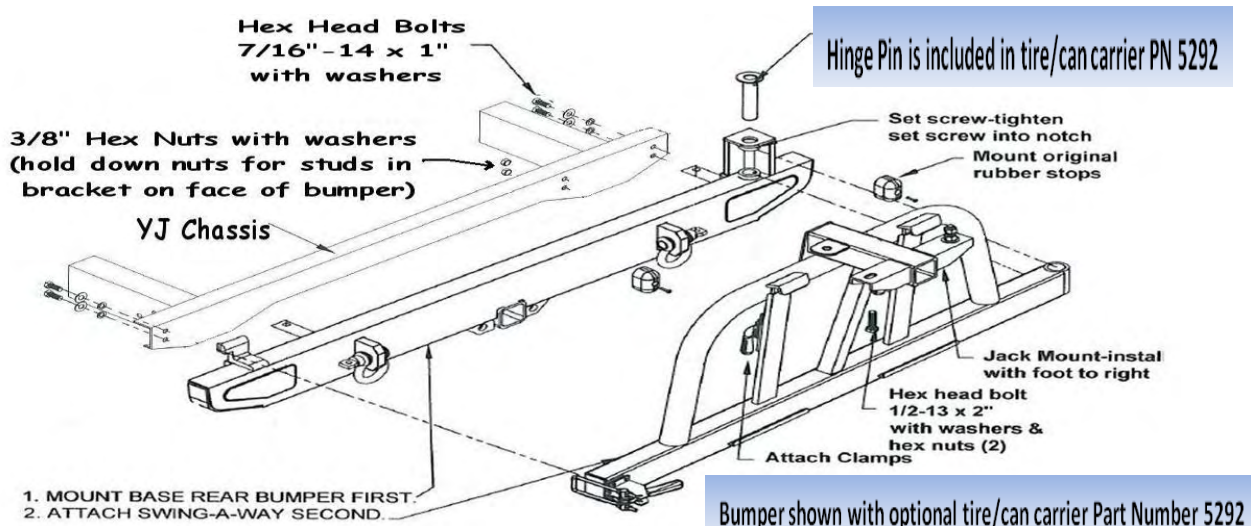




Photo 1 - Hinge-pin and tower set-screw. It is critical that hinge-pin be installed so the notch lines up with the set-screw in the hinge-pin tower, and the set-screw is tightened into this notch.
Photo

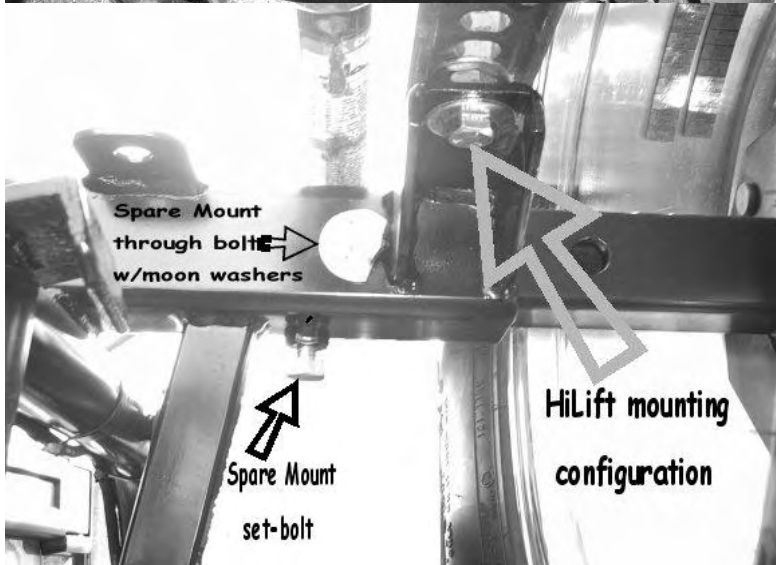
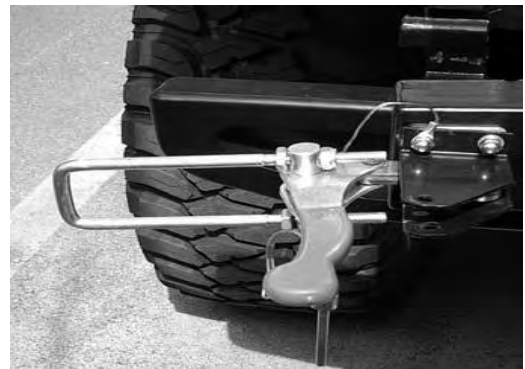


Photo 2 - Spare mount - Spare mount set-bolt - Hi-lift jack mounting. Spare mount is 3-position adjustable. Also note set-bolt in bottom of spare-mount receiver tube.
Hi-lift Jack mounting bolts go from the bottom up through the mounting ear, with (1) flat washer on the bottom, (1) flat washer on the ear, (1) non-lock hex nut tightening to the ear. (1) flat washer on top of this hex nut, then the Hi-Lift, then the locking hex nut.

Photo 3 - Latch and latch-plate. Adjust latching "U-bolt" so it takes no more than 25lbs to latch handle and remain closed. More than this amount of torque to latch could result in damage to the "U-bolt" and / or latch-plate and bolts over time.

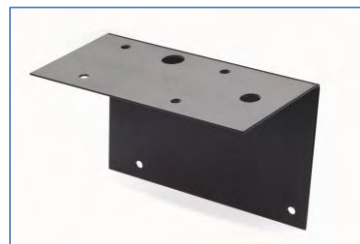


Accessories available for the Jeep TJ



Our third brake light fits all YJ, TJ and JK models that are equipped with the third brake light from the factory. The JK-5120 comes equipped with a DOT approved light and is an easy blot on installation

Part Number JK-5120



If you wish to keep your OE third brake light you can use our relocation bracket. It fits all YJ and TJ models that require a third brake light

Pat Number TJ-5120