

BODY ARMOR

BY TOLAR MFG. CO., INC.

BUMPER INSTALLATION INSTRUCTIONS - FRONT BUMPER - REAR BUMPER - REAR BUMPER WITH SWING-A-WAY

JEEP WRANGLER YJ (1987 TO 1996) - all models including X, S, SPORT, SAHARA, RENEGADE, ISLANDER



Extreme trailgear
for the serious
offroader!

www.bodyarmor4x4.com

Hardware Kits - Jeep YJ

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.

Front Bumper - YJ



1 pair "D"-rings included with every front and rear bumper, and every rear bumper with Swing-A-Way (also available separately)
 Part # 3202 = (1) pair

Rear Base Bumper - YJ



Rear Bumper with Swing-A-Way - YJ



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.

Front Bumper Installation - Jeep YJ

Step 1

- Unpack bumper using staple puller to remove staples. Save all packing materials and take care not to tear cartons.
- Remove hardware and misc. parts. Check parts / hardware list & 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 front bumper, as well as lights, tow-hooks, etc., saving all OE hardware. Our installation kit contains new grade 5 bolts with necessary attaching hardware. These should be used if OE bolts / hardware are not desired.

Step 3

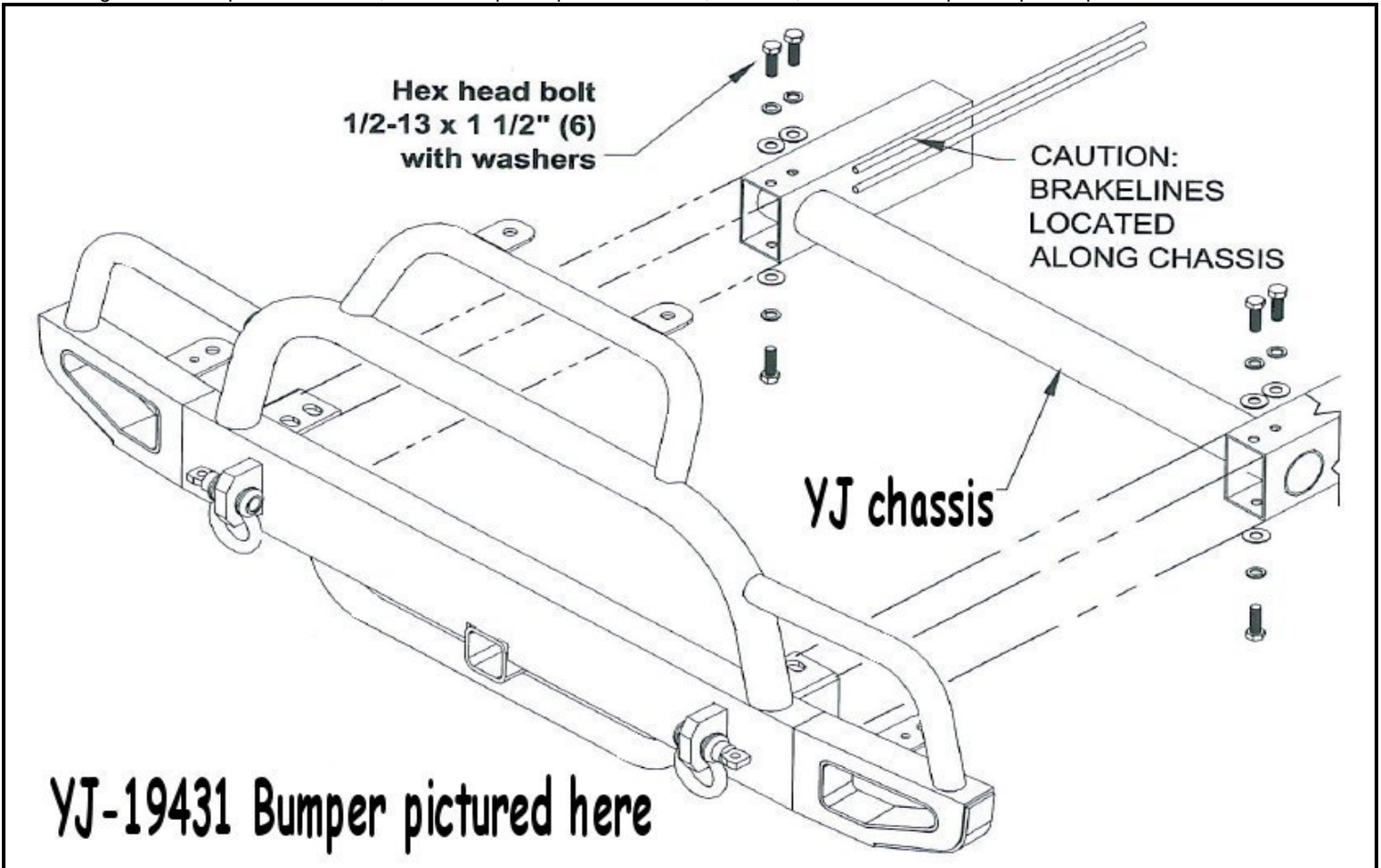
Slide your new Body Armor bumper in place of the OE bumper onto the frame at the OE mounting location. If you purchased a Body Armor winch plate, check fitment at this time before installing either our grade 5 bolts, or your OE bolts / hardware. Hand tighten all bolts before torquing with ratchet, air-impact, etc. Your new Body Armor bumper was designed as a no-drill, bolt-on application and should be installed as such.

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, now torque bolts evenly starting with the bottom bolts. Recheck that bumper is even and re-torque accordingly.

We recommend you check the torque of all bolts after about two weeks, and after every off-road / trail run thereafter to assure tightness.

Below diagram reflects part # YJ-19431, "Quad Hoop Bumper" - all "Base", "Center", "Twin" and "Triple Hoop" bumpers mount the same.



Towbar Adaptor Brackets
Sold Separately
Part # 3200 - vertical pin



License Plate Bracket
Sold Separately
Part # 5121



Towbar Adaptor Brackets
Sold Separately
Part # 3210 - horizontal pin

Base Rear Bumper Installation - Jeep YJ

Step 1

- Unpack bumper using staple puller to remove staples. Save all packing materials and take care not to tear cartons.
- Remove hardware and misc. parts. Check parts / hardware list & 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) flat-washer 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.

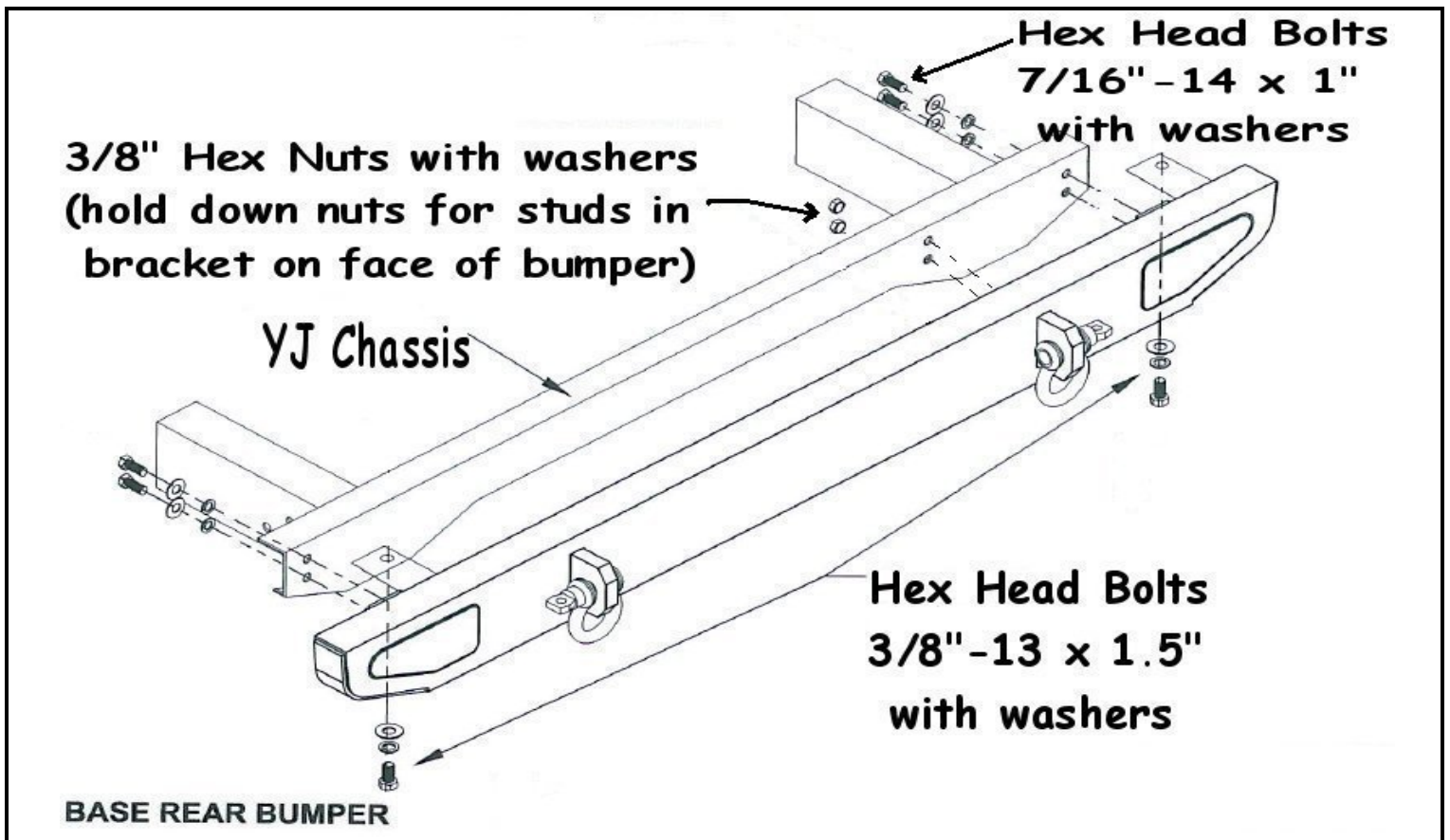
Step 4

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 bolts evenly starting with the 7/16" bolts into the bumper through the crossmember.

Step 5

If you purchased a Swing-A-Way bumper, move on to the next page for instructions on installation of your tire carrier.

We recommend you check the torque of all bolts after about two weeks, and after every off-road / trail run thereafter to assure tightness.



Rear Bumper with Swing-A-Way Installation - Jeep YJ

Step 1

- Unpack bumper using staple puller to remove staples. 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 Proceed with Steps 2 through 5 for "Base Bumper" installation (previous page), then proceed to Step 3 here.

Step 3

- Remove the OE spare-tire mount from tailgate. The OE rubber bump-stops remain installed. See diagram below for reference.

Step 4

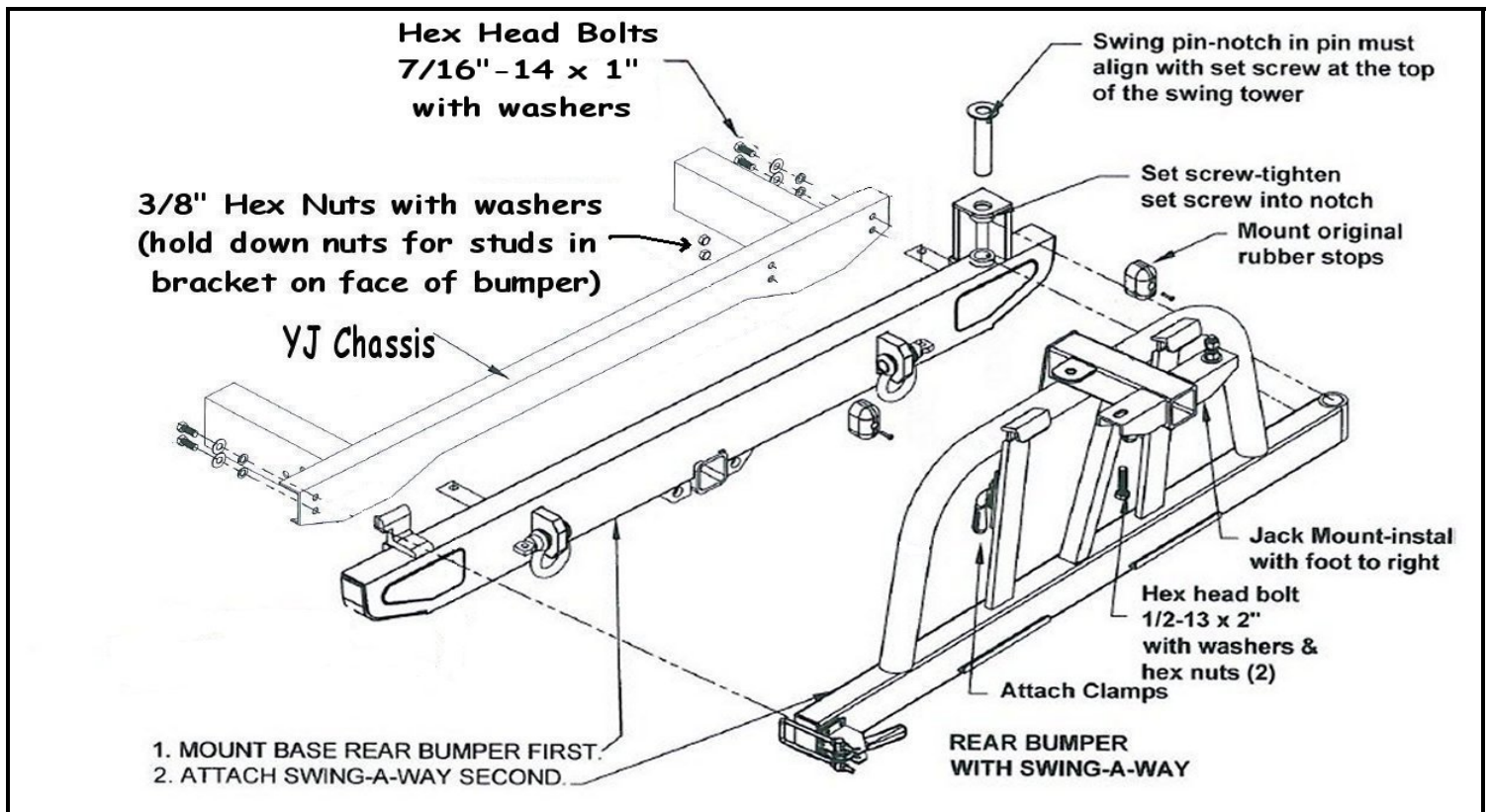
Next attach the Swing-A-Way. Place the Swing-A-Way arm into position and drop in the hinge-pin. Rotate the pin so the notch aligns to the set-screw, and tighten the set-screw into the collar of the hinge-tower. The notch and set-screw must be aligned properly to prohibit hinge-pin movement, keeping hinge-pin from spinning up and out of tower.

Step 5

- 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.
- 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.

It is recommended you go no larger than a 35" x 12.50" tire on your Body Armor Swing-A-Way due to bolt-on weight limitations of the YJ.

We recommend you check the torque of all bolts after about two weeks, and after every off-road / trail run thereafter to assure tightness.



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Check out our website for the latest in Body Armor gear, tech bulletins, and our new vehicle photo gallery.

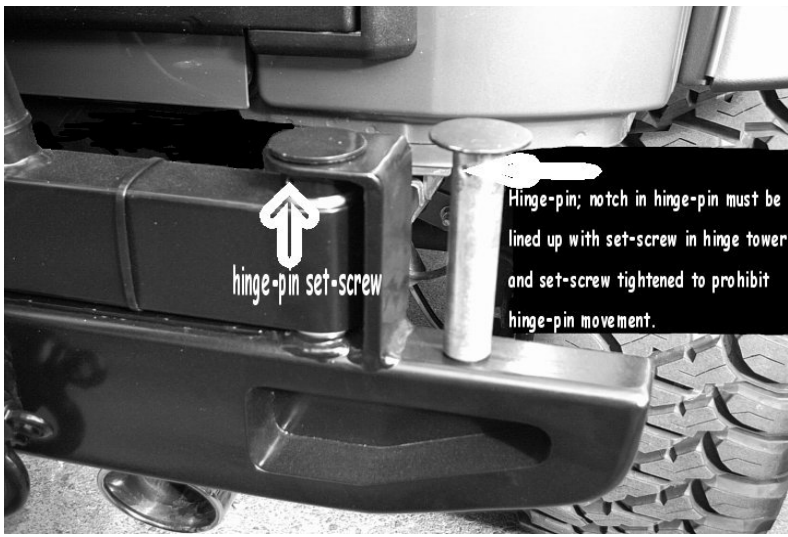


Photo 1 - Hinge-pin and tower set-screw. It is critical that hinge-pin be installed so the notch lines up with the set-screw in the hinge-pin tower, and the set-screw is tightened into this notch.

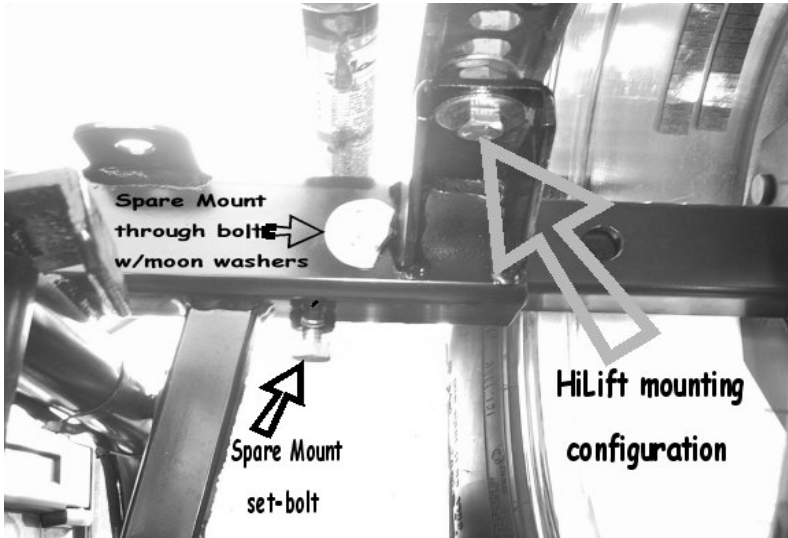


Photo 2 - Spare mount - Spare mount set-bolt - Hi-lift jack mounting.

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.

Below accessories also available separately for your YJ to accent and/or outfit your Body Armor front and rear Bumpers. Inquire with your Body Armor Dealer.



Body Armor Hitch Cap
Part # 3207
Sold Separately



Rockcrawler Side Guards
Part # YJ-4121
Sold Separately

NATO Can Adaptors
Part # 3201
Sold Separately



"D"-rings also available separately - Part # 3202

Cooler Rack for B/A Swing-A-Way
Part # 5122
Sold Separately
For up to 32qt. Coolers

