

# BODY ARMOR

BY TOLAR MFG. CO., INC.

## WINCH PLATE INSTALLATION INSTRUCTIONS (Drilling required)

1976-1986 Jeep CJ5, CJ7, and CJ8 (Scrambler)



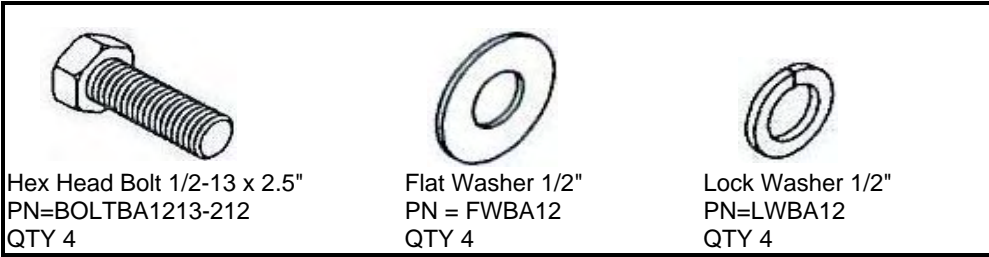
**Extreme trailgear  
for the serious  
offroader!**

[www.bodyarmor4x4.com](http://www.bodyarmor4x4.com)

## Hardware & Photos - Jeep CJ\* (1976-1986)

**DO NOT INSTALL THIS PRODUCT ON ANY VEHICLE OTHER THAN 1976-1986 JEEP CJ\* 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.



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



Above photo reflects winch plate mounting - Driver side CJ\*  
The rear holes for the plate on this CJ were drilled and tapped for aesthetic reasons.



Above photo reflects winch plate mounting - Passenger side CJ\*



Body Armor front bumper installed with winch plate - front holes in plate utilize bumper mount locations, rear holes for plate need to be drilled (either through the frame-rail from top to bottom or top rail only with side of frame modification for bolt access. Brackets will be available in the future to bolt into the side of the frame-rails - contact us for availability.

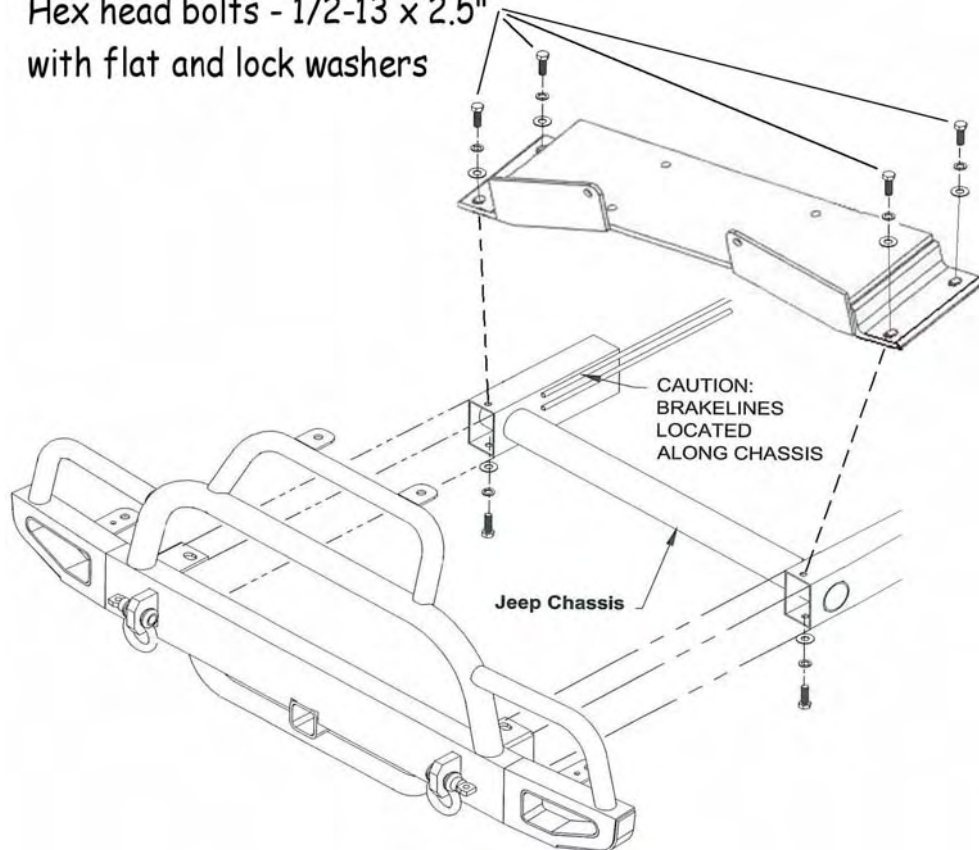
Important: Before beginning installation, assure that all parts and hardware listed for your specific application are contained in this package. Please contact us immediately should there be any shortages in parts and/or hardware.

## Winch Plate Installation - Jeep Wrangler CJ5, CJ7, and CJ8 (Scrambler)

- Step 1
- Unpack plate 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 bolts. 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 top bumper bolts, as well as lights, tow-hooks, etc., saving all OE hardware. Our installation kit contains longer grade 5 bolts with necessary attaching hardware. These need to be used in place of the existing bolts.
- Step 3
- Depending on the winch you purchased for installation, it may be best to bolt the winch to the plate prior to plate installation. With your Body Armor bumper in place, with only the lower bolts installed, place the winch plate over the mounting brackets of the bumper and frame-rails. Install the supplied bolts and washers in place of the existing forward bolts. Hand tighten at this time.
- Step 4
- Mark the frame-rails at the rear bolt hole locations and use a center punch to create a "pilot" in the frame-rail. It is recommended to remove the plate to drill the frame-rails, though not necessary. For a cleaner installation, drilling and tapping the frame-rails for the rear bolts is an option. This also eliminates the need to drill completely through from top to bottom of frame and/or side of frame modification for access in securing and tightening of rear bolts. Tap size required is for 1/2"-13 bolts. Brackets will be available in the future to eliminate the need for drilling. Contact us for availability.
- Step 5
- Once your preferred method of drilling is finished, and depending on the frame condition, install rear bolts. Washers or shims may be necessary between the frame rails and the plate to level the rear of plate in some cases, if desired (not supplied).
  - Confirm that bumper and winch plate are even side-to-side, as well as front-to-back. Torque bolts to 75 to 80 ft.lbs.
  - Install your roller, hawse, or rock-crawler fairlead and tighten bolts to 75 ft.lbs.
  - If not bolted to plate before plate installation, install and wire your winch per winch manufacturer's instructions.

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

Hex head bolts - 1/2-13 x 2.5"  
with flat and lock washers



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

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