



TRUE FRAME MOUNTED CAMPER TIE DOWNS

IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS

C4203/FMT01CHHD

APPLICATION FITS

[ADJUSTABLE FRONT TIE DOWNS](#)

Minor movement (or settling) can occur in some incidental harsh driving conditions (on or off road).

A rubber bed mat is not a requirement to maintain the lifetime warranty on a Torklift system, but a strong recommendation, simply as a safety precaution to protect the truck bed, the bottom of the camper and to give the camper additional support.

Warning!!

TORKLIFT DOES NOT RECOMMEND: Installing your truck camper in your truck on top of a drop in plastic bed liner!!! THIS WILL VOID YOUR WARRANTY!

The drop in plastic bed liners can slide on top of the truck bed surface, and the camper can slide on top of the slick surface of the bed liner. The liner can also act as a spring causing a trampoline effect increasing vertical truck camper movement, independent of the vehicle, possibly resulting in truck bed damage and/or camper damage!

C4203 INVENTORY LIST

2 - TIE DOWN RECEIVERS	6 - 1/2" LOCKING NUTS
2 - BENT TIE DOWN INSERTS	4 - 1/2" NUTS
2 - UPPER SUPPORT CHANNELS	2 - 3/8" X 1 1/4" HEX BOLTS
2 - FRAME PLATES	2 - 3/8" NUTS
2 - 10 1/2" SUPPORT STRAPS	4 - 3/8" FLAT WASHERS
4 - 1/2" X 2" HEX BOLTS	2 - 3/8" LOCK WASHERS
6 - 1/2" X 3" HEX BOLTS	8 - 1/2" STAR WASHERS
8 - 1/2" FLAT WASHERS	2 - 1/4" PINS
4 - 1/2" LOCK WASHERS	1 - 3/8" AND 1/2" BOLT FISHER

INSTALLATION INSTRUCTIONS:

1. Locate all parts to become familiar with all brackets.
2. Find drivers side front frame plate. Both holes in frame will need to be drilled out to 17/32". Locate frame bracket as shown in photos on page 3. Mark and drill holes. 1/4" pilot hole is recommended. Both of these holes will need to have 1/2" x 2" hex bolts with star and flat washers (**see page 5 for bolt washer assembly**) fished into them with supplied bolt fisher. (Make sure the bolts are perpendicular to the frame before tightening). When fishing these bolts put the coiled end of the bolt fisher into one of the holes and bring it out of the frame. Insert the threaded end of the bolt onto the fisher and slowly remove the fisher, pulling the threaded end back through the desired hole. **Hint: Do not force the bolt by pulling hard, or jerking on the fisher, as this will likely damage the fisher, and/or drop the bolt in to the frame. (see our bolt fishing guide).** After both bolts are fished into the frame plate, install flat washer, lock washer, and nut onto these bolts and tighten to 60 ft lbs.

Warning: make sure all wire harnesses, brake, and fuel lines are clear when tightening. Damage may occur.

3. Locate tie down receiver and attach to frame plate using a 1/2" x 3" hex bolt and locking nut. Tighten nut until tie down receiver can be moved but will stay in whatever position you set it.
4. Identify upper channel. Looking up at the bottom of the truck box, remove the factory bolt that attaches the truck box to the frame tower. Install the upper support channel and reinstall the factory bolt. **It is normal to have a gap between the tie down upper support channel and the truck box channel. This gap will be eliminated when the fasteners are torqued. 07 to current New Body Style trucks skip next step. Do not drill out the 7/16" hole as you will not use the 3/8" bolt.** Now drill out the remaining 7/16" hole and fish the 1 1/4" x 3/8" hex bolt and flat washer in through the end of the box channel with the supplied bolt fisher. Install flat washer, lock washer, and nut. Tighten to 35ft lbs. Make sure to keep upper support channel parallel with the box channel (**refer to photos on page 4**).
5. Find one bent insert and 1/4" pin and put the bent insert into the tie down receiver using the first hole in the insert. Install 1/4" pin.
6. Locate upper support strap and two 1/2" x 3" hex bolts and two locking nuts. Choose the appropriate holes in the upper and lower channel to give at least 1" clearance between the insert and the lip of the box or after market accessory. Tighten to 60 ft lbs. **See page 6 for correct strap angle information. IMPORTANT! Tighten all fasteners until there is no slack or play between any component.**
7. Double-check that all bolts are tight and that there is 1" of clearance between the insert and truckbed lip.

***NOTE:** The included tie down inserts come with 2 predrilled pin hole locations. When hooking up your camper, either hole may be used providing there is a MINIMUM of 2" clearance between the chain/turnbuckle attaching assembly and the truck bed wall.

ILLUSTRATED DIAGRAMS

PICTURE OF 2001 CHEVY HEAVY DUTY DRIVER SIDE LONG BED SHOWN



PICTURE OF 01 CHEVY HEAVYDUTY DRIVER SIDE LONG BED SHOWN



ILLUSTRATED DIAGRAMS





PROPER BOLT ASSEMBLY

The star washers have been supplied to keep the bolt from spinning while tightening the nut to proper specifications.

The star washers are only required on fastener applications where the head of the bolt CANNOT be accessed (inside a boxed frame, etc.) with a wrench to hold the bolt from spinning while tightening the nut by hand.

Note: The upper row as shown in the photo including the hex bolt, starwashers, and flat washer is the assembly from the inside of the vehicle frame, the lower row which includes the flat washer, lock washer, and nut will be used to tighten the assembly from the outside of the frame.

ADJUSTABLE TIE DOWN INFORMATION

PHOTO A



PHOTO B



IMPORTANT

The adjustable tiedowns are designed for use on trucks with running boards or steps extending onto the truck bed.

When using the adjustable kit on trucks without steps or boards on the truck bed, it is very important that the support strap is **NOT** installed at a steep angle as in **photo A**. See **photo B** for approximate correct angle.

If the correct angle can not be obtained, it may be necessary to purchase a shorter support strap or install the tiedown at a lower, less desirable height in relation to the truck bed.

Incorrect installation of the support strap at the wrong angle may result in tie down failure.

INSTRUCTIONS FOR MAINTENANCE OF POLISHED STAINLESS STEEL PRODUCTS



TorkLift utilizes quality grade 304 stainless steel in this product.

304 stainless steel is well known for its anti corrosive properties, however in some environments such as coastal regions or when in contact with some road chemicals, corrosion may occur.

We recommend occasional polishing of our product to maintain its attractive finish. Use an approved stainless steel cleaning/polishing product which can be purchased from any automotive supplier.

Frame Mounted Tie Downs

Leading the camper tie down industry in strength, quality, advanced design and installation. TorkLift TRUE frame mounted tie downs are far superior to all tie down systems available.



The TorkLift system is unique in its design and is patented. Four independent tie down points (with no belly or crossbar) working much like your receiver type trailer hitch as the inserts are removable allowing the system to be virtually undetectable when not in use.

They are designed for each make and model to fit tight to the frame so as not to compromise ground clearance. TorkLift tie downs are not universal 'one size fits all' therefore all the problems with correct fit for each particular application have been eliminated.

Original SuperHitch & SuperHitch Magnum

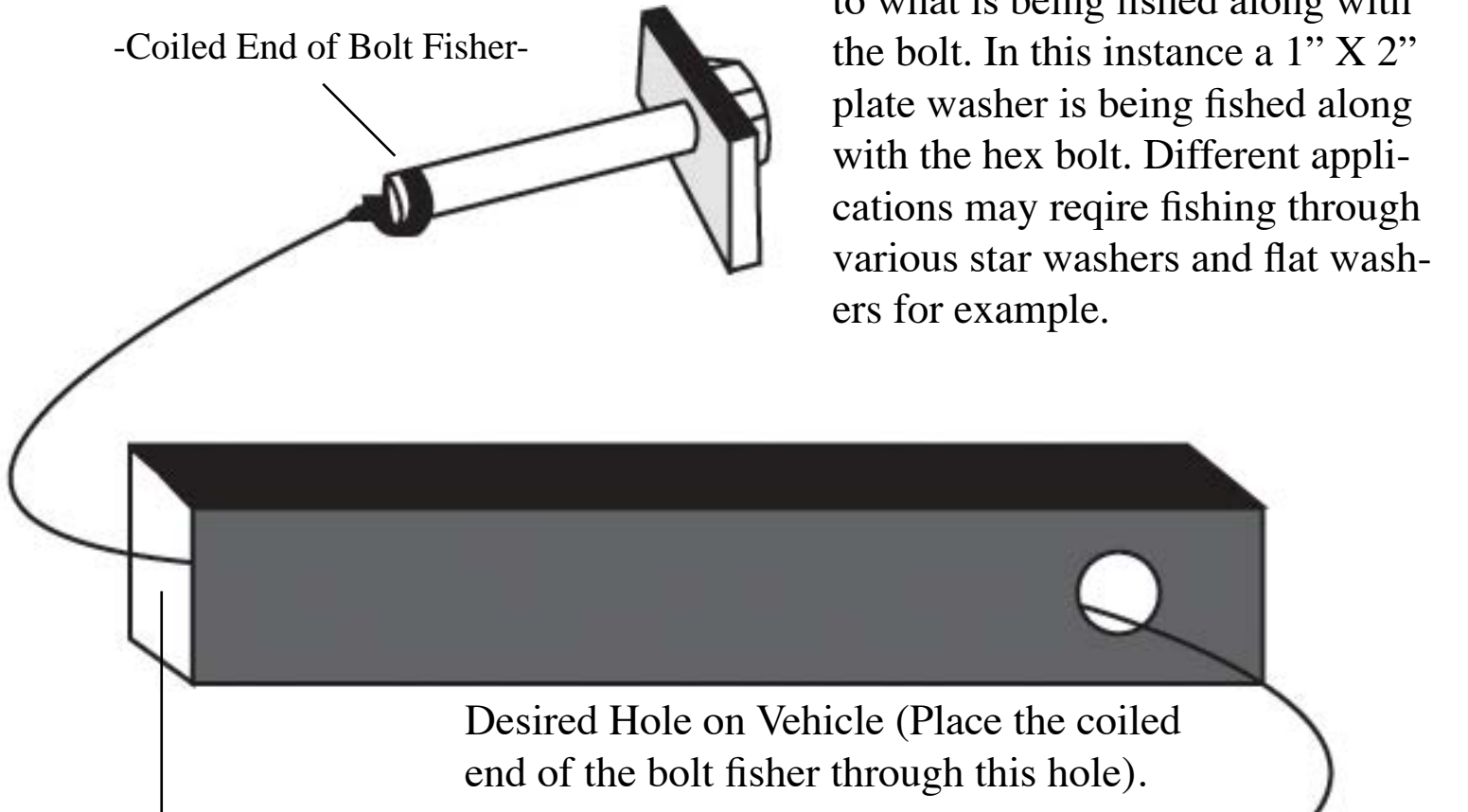
High strength extended hitch system engineered for safely towing all types of trailers behind your truck and camper. With a max towing capacity of 14,000 lbs. with an extension* , (17,000 lbs. to 20,000 lbs. without*) the Original SuperHitch and SuperHitch Magnum are rated the strongest in the industry.



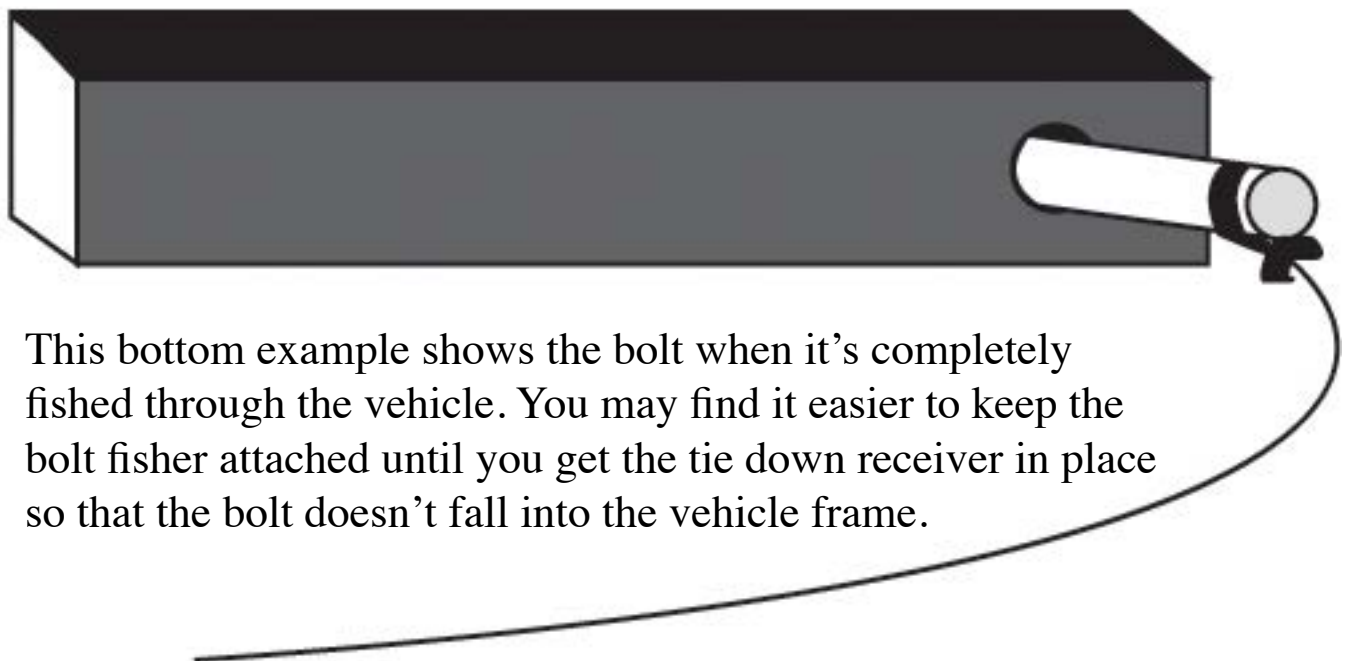
TORKLIFT'S BOLT FISHING GUIDE

Your guide to understanding the installation of our frame mounted tie downs.

Note: The hardware may vary as to what is being fished along with the bolt. In this instance a 1" X 2" plate washer is being fished along with the hex bolt. Different applications may require fishing through various star washers and flat washers for example.



This side of the Bolt Fisher should come out of a hole where the required hardware (for example 1" X 2" plate washer) can pass through.



This bottom example shows the bolt when it's completely fished through the vehicle. You may find it easier to keep the bolt fisher attached until you get the tie down receiver in place so that the bolt doesn't fall into the vehicle frame.

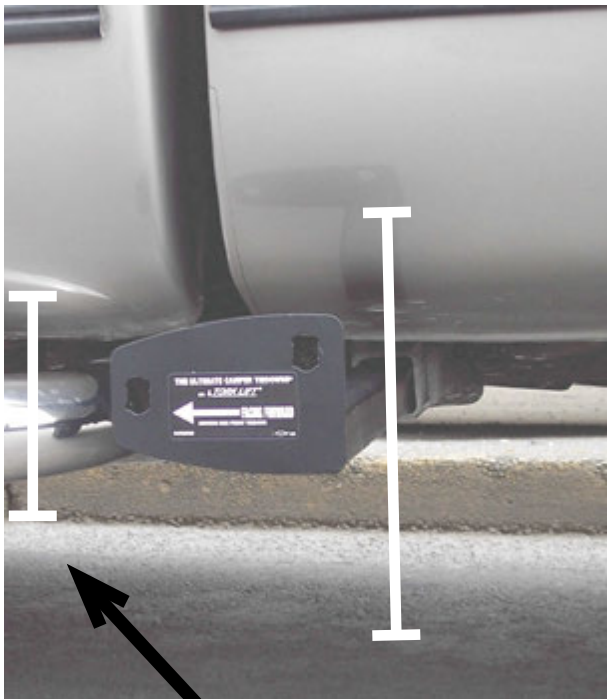
WARNING: PULLING TOO HARD ON THE BOLT FISHER CAN RESULT IN LOST FASTENERS, OR BROKEN BOLT FISHER.

TIE DOWN INSERT INSTALLATION INSTRUCTIONS

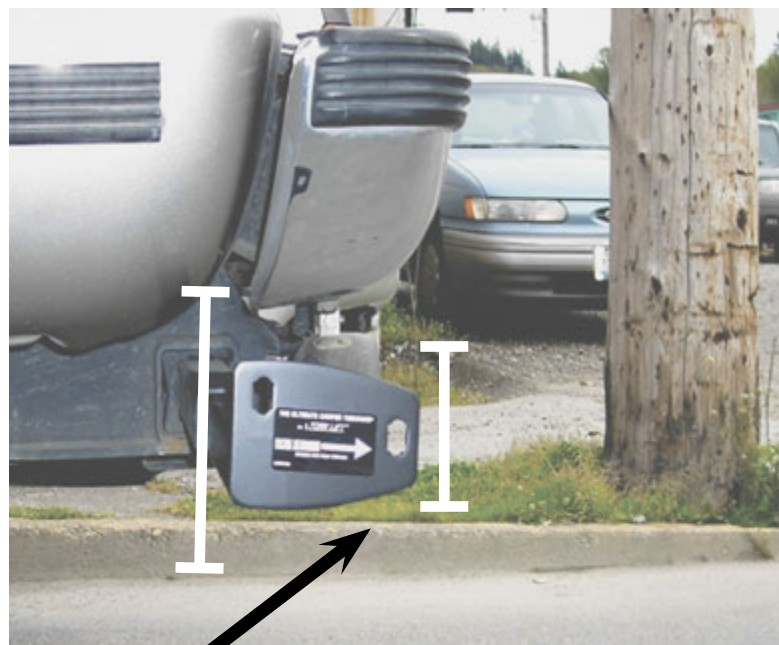
On one end of each of your tiedown inserts is a triangular plate referred to by TorkLift as a bullet plate. Your tiedown inserts should be installed with the shorter side of the bullet plate facing away from each other, i.e.. The shorter side of the front insert should point to the front of the truck and the shorter side of the rear insert should point towards the rear of the truck.

Once installed, attach the TorkLift directional stickers to the face of the bullet plate on the insert as a reminder.

DRIVERS SIDE FRONT



DRIVERS SIDE REAR



SHORTER SIDE

TURNBUCKLE SPRINGLOAD OPTIONS

CONTACT YOUR LOCAL DEALER FOR MORE DETAILS

TorkLift requires all 4 tiedown points to be spring loaded in order to qualify for our manufacturer's

Industry Exclusive "Camper Anchor" and "Truck Frame" Warranty

BASIC SPRINGLOAD KIT - S9000

Includes 2 External Springload Cylinder Units,
2 Heavy Duty Forged Turnbuckles and 24" of Chain.
Also comes with the TorkLift Lifetime Guarantee.



FASTGUNS LEVER ACTION TURNBUCKLES

FOR BED MOUNTED TIEDOWNS

S9520-GREY SS / S9521-WHITE SS / S9527-POLISHED SS

FOR FRAME MOUNTED TIE DOWNS

S9522-GREY SS/ S9523-WHITE SS/ S9526-POLISHED SS

S9529-BLACK SS

FRAME OR BUMPER MOUNTED TIEDOWNS

Includes 2 Stainless Steel Turnbuckles with an Internal
"Set" Spring. Available in 2 Lengths and 4 Finishes
(Grey, White, Polished Stainless Steel and Black)

Also comes with the TorkLift Lifetime Guarantee.

FASTGUN DERRINGERS Polished Stainless S9528

Transforms Your Pre-Existing Conventional
Turnbuckles into a Lever Action
FastGun Style Turnbuckle.

Kit includes 4 Lever Action Derringers.

Also comes with the TorkLift Lifetime Guarantee.



SPRINGLOAD XL KIT - S9050A

This set includes 2 Long Square Bodied
Turnbuckles with an Internal "Set" Spring.

The Springload XL Kit comes with a High Impact Powder-coated Finish and is compatible with the FastGun Derringer handles. Also comes with the TorkLift Lifetime Guarantee.

