



OVER 35 YEARS OF INNOVATION, QUALITY, SAFETY.

A faint, light-colored background image of a tie-down strap is visible behind the main text. The strap has a metal hook at one end and a ratchet handle at the other. The word "TORKLIFT" is printed on the strap.

**TRUE FRAME MOUNTED
CAMPER TIE DOWNS**

IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS

C2201

Warnings

Truck Bed and Camper Protection

Torklift **does not** recommend installing your camper on top of a plastic bed liner (or other compressible material such as foam). These materials can act as a spring, causing increased vertical truck camper movement independent of the vehicle. Plastic bed liners can slide on the truck bed surface, and the truck camper can slide on top of the bed liner. Using a plastic bed liner or similar compressible material will void your warranty and may additionally cause truck bed and/or camper damage.

Minor movement or settling can occur in some incidental harsh driving conditions (on or off-road). A rubber bed mat is recommended to protect the truck bed and camper, but is not a requirement to maintain the Torklift legendary lifetime warranty.

Suspension

To significantly reduce body roll, sag and sway Torklift strongly recommends the StableLoad. Torklift International StableLoads improve safety, handling, and to help level your truck.

If your truck is additionally equipped with suspension air bags Torklift cautions against over pressurization as this may lead to unsafe vehicle handling characteristics. We have found that airbags used in conjunction with StableLoads have allowed operators to lower air bag pressure by 50% or more. Only pressurize suspension air bags enough to level the truck.

C2201 PARTS INVENTORY

1 - 3/8" BOLT FISHER	4 - 1/2" NUTS
2 - TIEDOWN RECEIVERS	2 - 3/8" X 1 1/2" HEX BOLTS
2 - STRAIGHT TIEDOWN INSERTS	4 - 3/8" FLAT WASHERS
4 - 1/2" X 2" HEX BOLTS	2 - 3/8" LOCK WASHERS
8 - 1/2" FLAT WASHERS	2 - 3/8" NUTS
8 - 1/2" STAR WASHERS	4 - 1/2" LOCK WASHERS
2 - 1/4" PINS	

INSTALLATION INSTRUCTIONS:

READ AND UNDERSTAND ALL INSTRUCTIONS BEFORE STARTING

NOTE: The installation of this front frame mounted tie-down involves drilling into the factory frame

STEP 1. Identify both front tie down receivers. Hold the bracket up to the side of the frame at the front of the truck bed to get an idea of how the receiver attaches (**see photos on pages 4 & 5**).

Looking up at the bottom of the bed, remove the factory bolt, hold the receiver up into place and reinsert the factory bolt through the larger of the two holes in the upper flange. Do not tighten at this time. Now mark the two 1/2" holes location on the side of the frame and the 3/8" hole location on the bottom of the box channel. Remove the receiver and drill 9/16"(14mm) holes into the frame. Drill the upper hole location to 7/16"(11mm). This hole will need to have a 3/8" x 1 1/2" bolt with a 3/8" flat washer fished into it with supplied bolt fisher. 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 (**see page 7 for our bolt fishing guide**). Install a 3/8" flat washer lock washer and nut, tighten to 35ft lbs(47Nm). Now install 1/2" x 2" hex bolts, 2 star washers and 1 flat washer (**see page 4 for correct assembly**) in the side of the frame, threads sticking out towards the outside of the truck. Install flat washer, lock washer, and nut. Tighten to 60ft lbs.(81Nm)

Warning: make sure all wire harnesses, brake, and fuel lines are clear when tightening or damage may occur!

STEP 2. Find one straight insert and place into the tie down receiver using the first hole in the insert install a 1/4" pin. Make sure that the triangle plate on the end of the insert is pointing towards the front of the truck. This bracket is designed to increase the angle of the tie down chain.

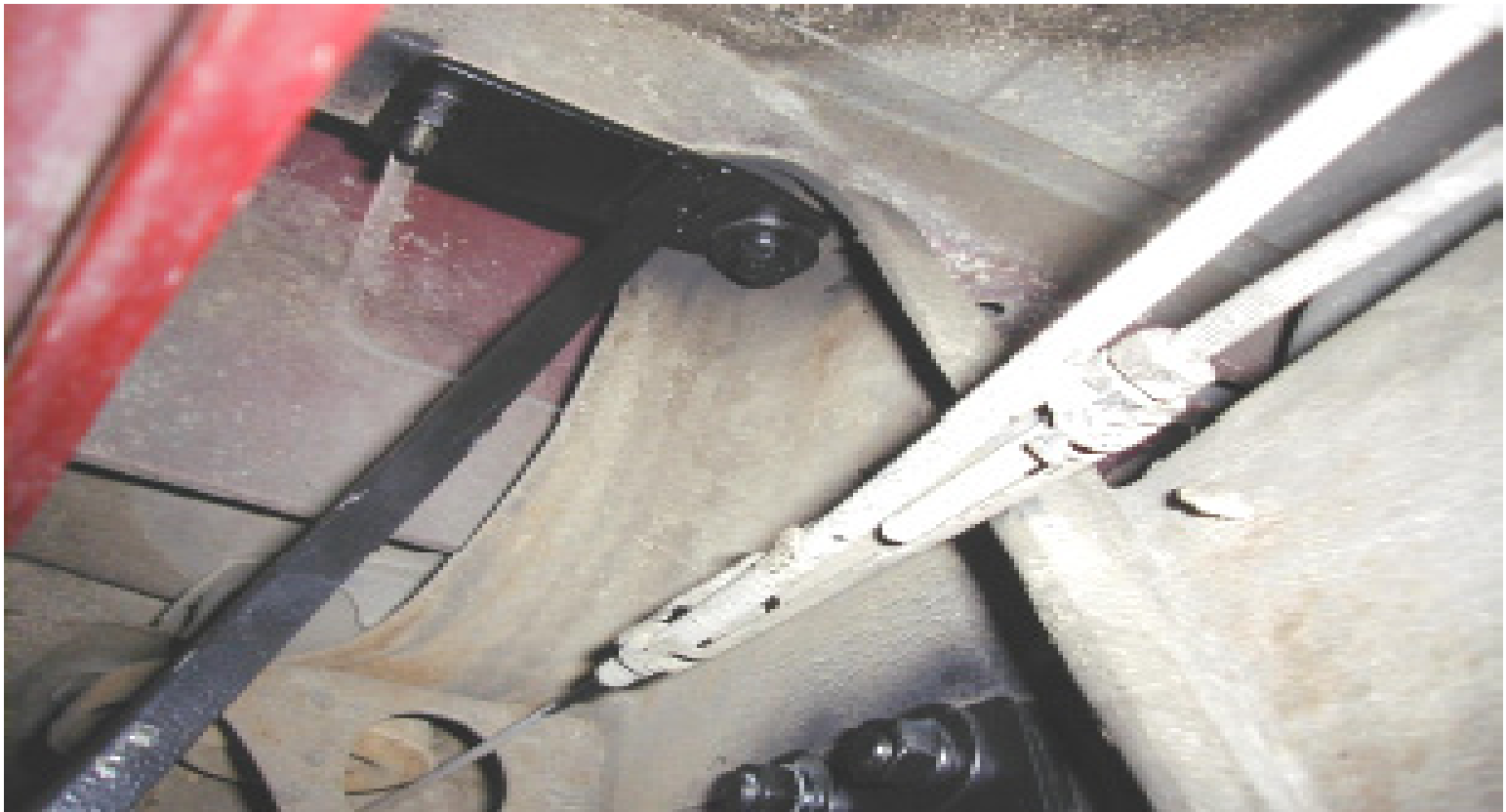
STEP 3. Double-check that all bolts are tight and that there is 1" of clearance between the frame mount tie down insert and truck box lip. Repeat steps 1 through 3 on passenger side.

***NOTE:** The included tie down inserts come with 2 pre-drilled holes. 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. There are also 2 pre-punched holes located on the triangular bullet plate at the end of each tie down insert. While either of the two holes can be used in connecting your camper, the hole that provides the greatest angle is preferred.

ILLUSTRATED DIAGRAMS



CAUTION: THERE MAY BE FUEL LINES OR WIRE HARNESSSES BEHIND THE FRAME WHEN YOU DRILL THE 9/16"(14mm) HOLES.



**UPPER SUPPORT INSTALLED W/ FACTORY BOLT. 7/16"(11mm) HOLE DRILLED, AND BOLT FISHED IN.
ILLUSTRATED DIAGRAMS (CONTINUED)**

CAUTION: 1" CLEARANCE MUST BE MAINTAINED TO AVOID BED DAMAGE



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, star washers 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.

INSTRUCTIONS FOR MAINTENANCE OF POLISHED STAINLESS STEEL PRODUCTS



Torklift utilizes quality grade 304 stainless steel in this product.

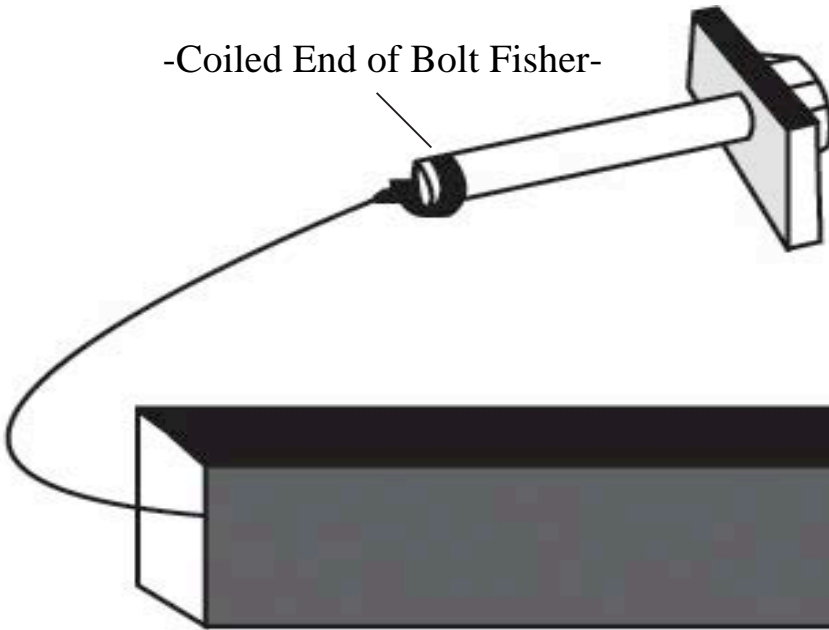
304 stainless steel is well known for its anti corrosive properties, however in some environments such as coastal regions or when in contact with some road chemicals, corrosion may occur.

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.

TORKLIFT'S BOLT FISHING GUIDE

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

-Coiled End of Bolt Fisher-



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.

Desired Hole on Vehicle (Place the coiled end of the bolt fisher through this hole).

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 tie down inserts is a triangular plate referred to by Torklift as a bullet plate. Your tie down 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

RECOMMENDED TRUCK CAMPER INSTALLATION INSTRUCTIONS

When securing any heavy load (especially a camper) in your truck bed, your front tie down points should pull the load forward as much as possible. Some camper anchor points may differ with different manufacturers, as well as the camper jack mounting locations. Your Torklift tie down inserts has offset triangular brackets to increase the angle of pull. These are designed to be used in the front facing forward, and the rear facing rearward but can be used in either front or rear. These recommendations are to be considered and followed as a basic rule of thumb. Obviously there will be some applications where this may not be possible. At a minimum, if opposite pull of both front and rear tie downs cannot be achieved for whatever reason, you should have at least a forward pull at the front or rear location.

If your camper does not come with Rubber Bumpers on the front lower portion of the camper, installing Rubber Bumpers (Torklift has Rubber Bumpers available Part A7001) or using a block of wood such as a 2 x 4 in the bed, will prevent the camper from damaging the front bulk head of the truck bed.

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.

TORKLIFT DOES NOT RECOMMEND: Installing your truck camper in your truck on top of a drop in plastic bed liner!!! 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, and camper damage!

INSTRUCTIONS FOR FINISH MAINTENANCE OF TORKLIFT PRODUCTS

POWDER COATED STEEL:

To keep your Torklift products looking good follow these guidelines. All steel powder coated Torklift products are sandblasted for maximum adhesion and use a high quality industrial urethane based powder coat. Due to the extreme, harsh, undercar environment that your Torklift products live in, (consistently sprayed with corrosive road chemicals such as salt, and road debris), Torklift does not warranty the powder coated finish.

To minimize corrosion from these factors on powder coated steel products, Torklift recommends regularly cleaning and inspecting the powder-coated surface and touching up any affected areas with enamel or urethane based aerosol paint product. If there are any areas of surface rust, there are also aerosol spray rust converters available on the market that can be used as a preparation to touch-up paint application. These finish maintenance products are available at any automotive parts supplier.

POLISHED STAINLESS STEEL:

Torklift utilizes quality grade 304 stainless steel in our stainless steel polished products. 304 stainless steel is well known for its anti-corrosive properties. However, in some environments such as coastal regions or when coming in contact with some road chemicals, corrosion may occur.

For a quick clean simply use WD40 and a cloth rag. We also recommend occasional polishing of our polished stainless products to maintain their attractive finish. Use an approved stainless steel chrome or aluminum mag wheel polish cleaning product, which can be purchased from any automotive parts 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.(6350Kg) with an extension*, (17,000 lbs.(7711Kg) to 20,000 lbs.(9071Kg) without*) the Original SuperHitch and SuperHitch Magnum are rated the strongest in the industry.

