

BOXED BY:

BOX WEIGHT:



# **TRUE FRAME MOUNTED CAMPER TIE DOWNS**

IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS

## **F2000/FMTPJ97HDFD**

[FRONT TIEDOWNS](#)

APPLICATION FITS

**1981-1997 FORD SHORT & LONG BED**

**PLEASE GIVE THIS BOOKLET TO YOUR CUSTOMER  
AS IT CONTAINS CRITICAL OPERATOR INFORMATION**

## **F2000 PARTS INVENTORY**

2 - TIEDOWN RECEIVER	2 - 7/16" X 4" CARRIAGE BOLTS
2 - BENT TIEDOWN INSERTS	2 - 7/16" LOCK WASHERS
6 - 1/2" X 2" HEX BOLTS	2 - 7/16" NUTS
6 - 1/2" STAR WASHERS	2 - 9/16" FLAT WASHERS
12 - 1/2" FLAT WASHERS	2 - 1/4" X 24" CHAINS
6 - 1/2" LOCK WASHERS	2 - 1/4" PINS
6 - 1/2" NUTS	2 - 5/16" QUICK LINKS
1 - 1/2" BOLT FISHER	

## INSTALLATION INSTRUCTIONS:

1. Find driver's side tiedown receiver. Hold the bracket up to the **side** of the frame at the front of the truck bed. Position the tiedown receiver so that it is centered under the truck bed support channel, and mark both 1/2" holes on the **side** of the frame (**see photo A**). Before marking the holes, make sure the upper bracket lines up with the factory hole in the bottom of the box channel. Both of the holes in the frame will need to be drilled out to 17/32" and have 1/2" x 2" hex bolts with a star washer and flat washer placed onto them. Install these bolts into these holes so that the threaded end of the bolt is facing the outside of the truck.

**Warning: make sure there are no fuel lines, brake lines or wire harnesses in the way.** After both bolts are in the tiedown receiver, install a flat washer, lock washer and nut onto these bolts and leave loose (**see page 5 for proper bolt assembly**).

Note: If you own a 1997 or older Ford HD long bed, please refer to next page for further instructions.

2. Now it is necessary to place the third and last fastener into the upper support. Locate the bolt fisher, place the spring through the hole in the upper support bracket into the truck box channel and pull it out the end of the truck box channel towards the outside of the truck, **as seen in photos B & C**. Thread one of the 1/2" x 2" hex bolts with star washers and a flat washer onto the end of the fisher and gently pull the fisher back through the hole. Now install a flat washer, lock washer and nut onto these bolts and tighten to 80ft lbs, tighten the tie-down receiver to 80ft lbs.

3. Find one insert and 1/4" pin and put the insert into the tiedown receiver using the first hole in the insert. Install the 1/4" pin.

4. Make sure all fasteners are tightened then repeat steps 1-3 for passenger side.

**Important: With insert installed, you must have at least 1" of clearance between the bottom lip of the truck bed and the top of the straight insert. Failing to do so will cause truck bed damage.**

**TORKLIFT DOES NOT RECOMMEND:** Installing your truck camper in your truck on top of a drop in plastic bedliner!!! The drop in plastic bedliners 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 verticle truck camper movement, independent of the vehicle, possibly resulting in truck bed, and camper damage!

**TORKLIFT RECOMMENDS:** Installing a rubber bed mat. 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 is 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.

# ATTENTION FORD LONG BED OWNERS

1997 and older HD Ford trucks may have only three bolts per side (six bolts total) attaching the truck bed to the frame of the truck. We strongly recommend installing one additional bolt per side when installing heavier campers. Most (if not all) of these trucks are predrilled below the first layer of the sheet metal. A "first time" installation should take no more than 15 to 30 minutes.

Start by hooking the end of your tape measure over the forward side of the front factory carriage bolt. Measure back towards the tailgate 39 5/8" - you will see a flat area on the bed of the truck in line with the other factory bed bolts. This is where the additional bolt will be installed. Put a mark at 39 5/8" and center it in the flat area. Drill a 1/4" pilot hole and then 17/32" hole through the top layer of the sheet metal only. You should then be able to drop the supplied 7/16" carriage bolts into the existing factory holes. Put the 9/16" flat washer under the head of the bolt on top of the truck bed and the nut and lock washer under the truck. **Do not overtighten!**

39 5/8"

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# ILLUSTRATED DIAGRAMS

**PHOTO A**



**PHOTO B**



**DO NOT INSTALL YOUR TRUCK CAMPER IN YOUR TRUCK ON TOP OF A DROP IN PLASTIC BEDLINER, AS YOUR CAMPER CAN SLIDE RESULTING IN SEVERE BED DAMAGE!! USING A RUBBER BEDMAT WILL MINIMIZE MOVEMENT AND WILL ENSURE THE WARRANTY ON YOUR TIEDOWN SYSTEM.**

# ILLUSTRATED DIAGRAMS

PHOTO C



PHOTO D



## ***TIEDOWN 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***





## PROPER BOLT ASSEMBLY

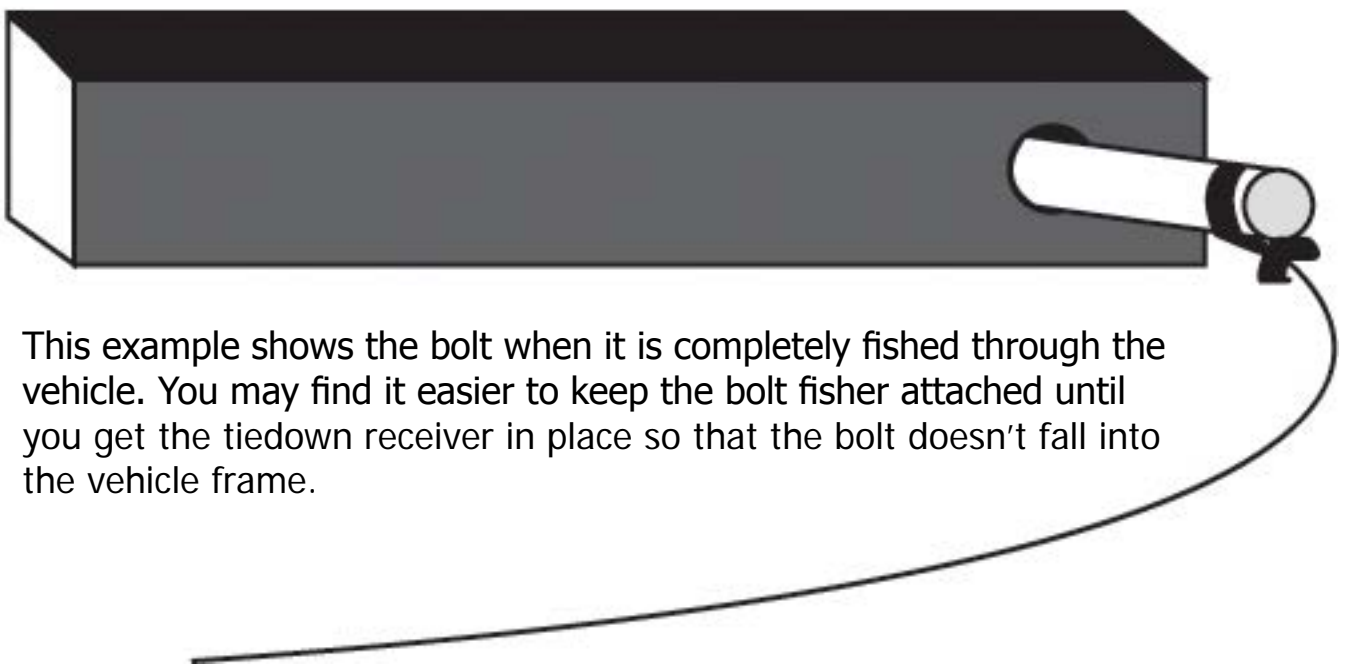
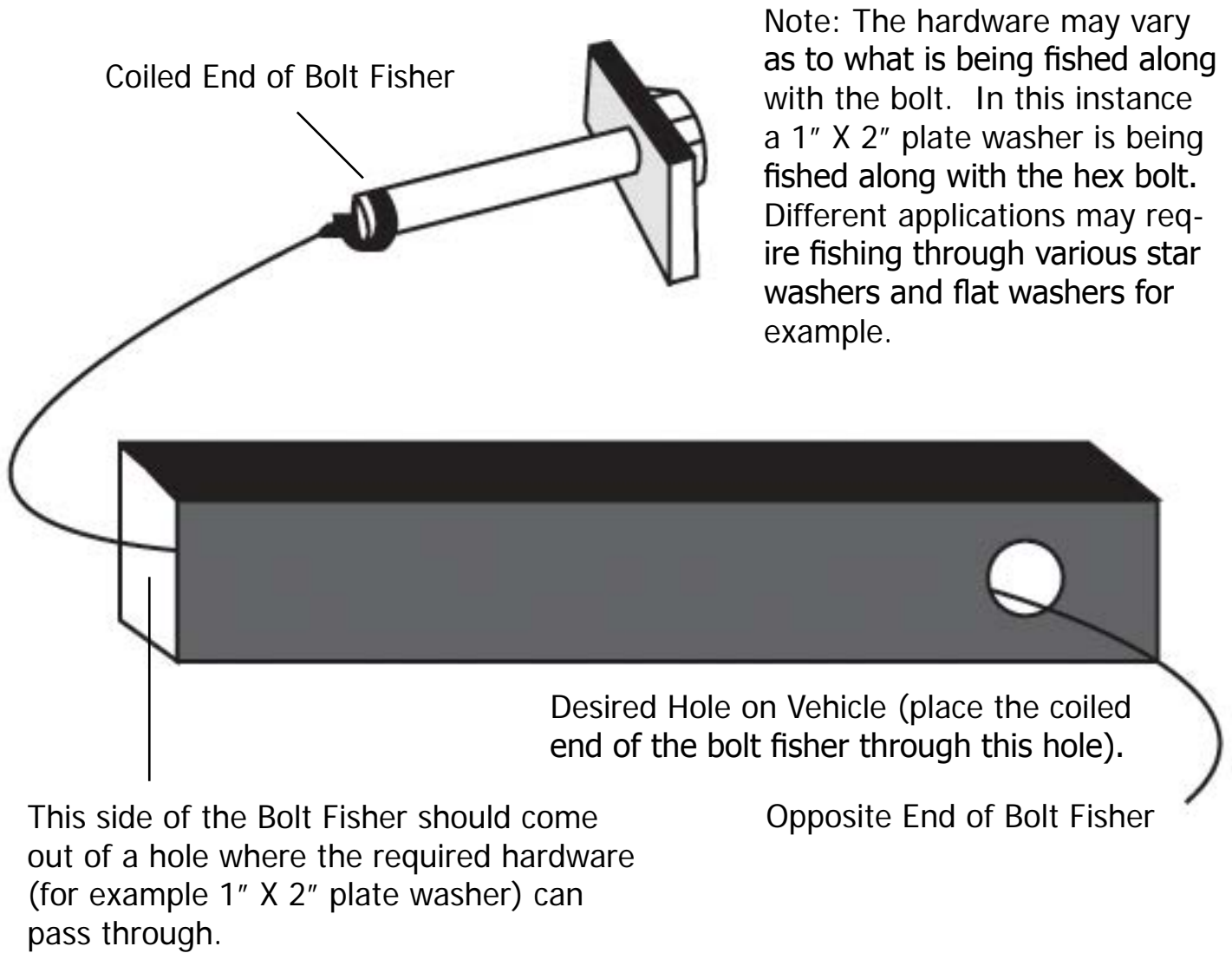
The star washers have been supplied to keep the bolt from spinning while tightening the nut to proper specifications.

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.

# TORKLIFT'S BOLT FISHING GUIDE

Your guide to understanding the installation of our frame mounted tiedowns.



# 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 - \$9000

Includes 2 External Springload Units  
& 2 Heavy Duty Forged Turnbuckles.  
Lifetime Guarantee



### FASTGUNS LEVER ACTION TURNBUCKLES

S9520-GREY SS / S9521-WHITE SS / S9527-POLISHED SS  
FOR BED MOUNTED TIEDOWNS  
S9522-GREY SS/ S9523-WHITE SS/ S9526-POLISHED  
FRAME OR BUMPER MOUNTED TIEDOWNS

Includes 2 Stainless Steel Turnbuckles with an Internal  
"Set" Spring. Available in 2 Lengths and 3 Finishes  
(Grey, White or Polished Stainless Steel)  
Lifetime Guarantee

### FASTGUN DERRINGERS

Zinc S9524

Stainless Powdercoat S9525

Polished Stainless S9528

Transforms Your Pre-Existing Conventional  
Turnbuckles into a Lever Action  
FastGun Style Turnbuckle.  
Kit includes 4 lever action Derringers



### SPRINGLOAD XL KIT - \$9050

This set includes 2 Long Chrome Barreled  
Turnbuckles with an Internal "Set" Spring.  
The Springload XL Kit comes with a Pol-  
ished Chrome Finish and is compatible  
with the FastGun Derringers.  
2 year warranty

# **RECOMMENDED TRUCK CAMPER**

## **INSTALLATION INSTRUCTIONS**

When securing any heavy load (especially a camper) in your truck bed, your front tiedown 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 tiedown inserts have 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 tiedowns 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 P/N A7001) or using a block of wood such as a 2 x 4 in the bed will prevent the camper from damaging the front bulkhead 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.

## **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 an 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.