

TRUE FRAME MOUNTED CAMPER TIE DOWNS

IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS

D2101/D2115/D2118-FMTPJ13DGHD

FRONT TIE DOWNS

CHAIN AND CLEVIS REMOVED 07.15.2011

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

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!



REVISED vers4 BY: MWP 04/19/2013

TECH SUPPORT (800) 246-8132

AFTER INSTALL, PLEASE GIVE THIS BOOKLET TO YOUR CUSTOMER

NOTE:

If your vehicle is equipped with a factory fuel tank skid plate which is included with the "Off Road Group" or "Protection Group" packages, it will be necessary to drill the skid plate bracket in order to mount the tie downs. This is only necessary if your skid plate attaches to the outboard portion of the truck frame covering the forward factory frame holes. To do this, remove the two factory bolts holding the skid plate bracket to the side of the frame. Note the location of the factory hole behind the skid plate bracket and mark the skid plate bracket accordingly. Drill the skid bracket out to 17/32" with a drill bit and install the two factory bolts in the skid plate. The factory hole in the frame will now be accessable. Place a 1" x 2" plate washer to be used as a shim on to each of the newly installed tie down bolts further on in the installation. The shims will move the tie down frame plate out slightly to clear the skid plate mounting bracket. Photos are on following page.

You may now continue on to the installation instructions on page 3.

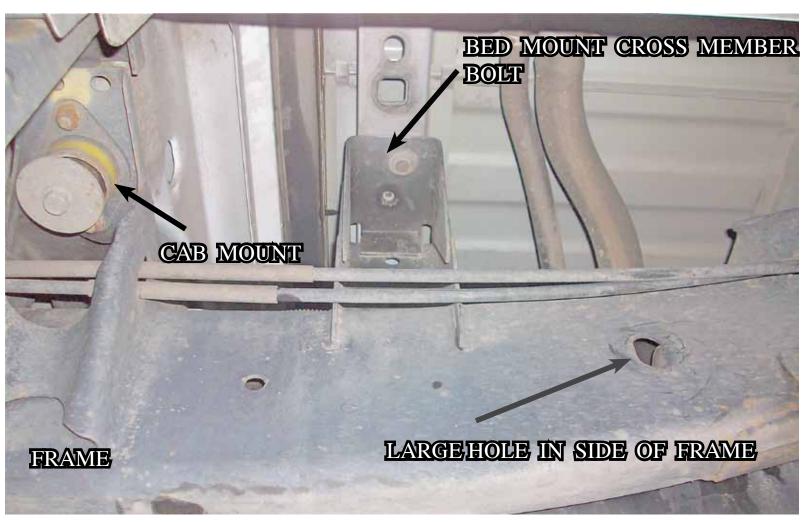
D2101/D2115/D2118 PARTS INVENTORY

- 2 -Tie Down Receivers
- 4 -1/2" Nuts
- 2 -Bent Tie Down Inserts
- 2 -1/4" Pins
- 4 -1/2" X 2" Hex Bolts
- 4 -1" X 2" Plate Washers Designed For Skid Plate
- 2 -1" X 3" Plate Washers
- 6 -1/2" Star Washers
- 10 -1/2" Flat Washers
- 1 -1/2" Bolt Fisher
- 4 -1/2" Lock Washers
- 2 -5" X 3-1/4" Spacer Plates

D2118 ONLY-

- 2 -3/8" Lower Frame Bracket
- 2 -1/2"-13 x 3-1/2" Hex Bolt Grade 8

Drivers side view of the Cab mount and bed mount area. This is going to be the area the tie down will install. Notice the two holes in the side of the frame and the bolt for the bed cross member.



INSTALLATION INSTRUCTIONS:

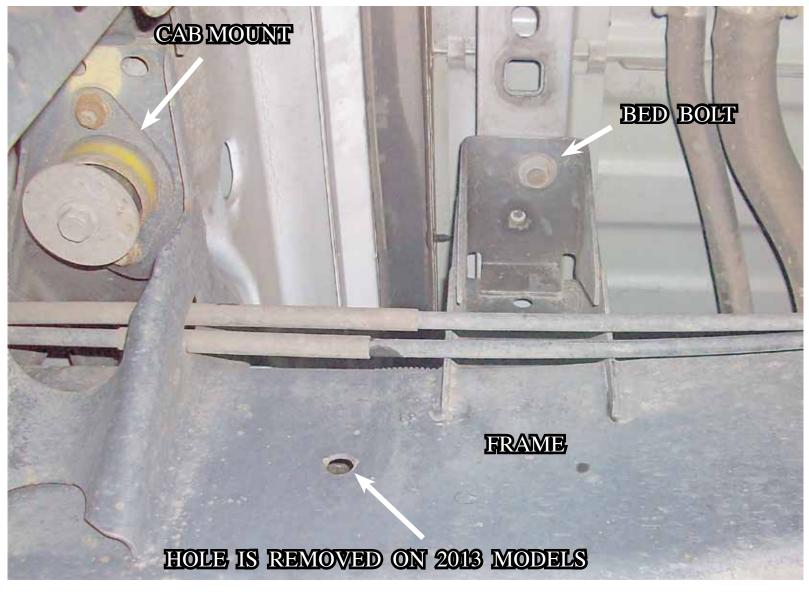
Step 1-

Locate and inventory all parts and become familiar with all brackets. Chock the vehicle tires and set Emergency Brake before attempting any part of this install.

Step 2-

Remove the factory upper bed bolt (Photo 2.1)

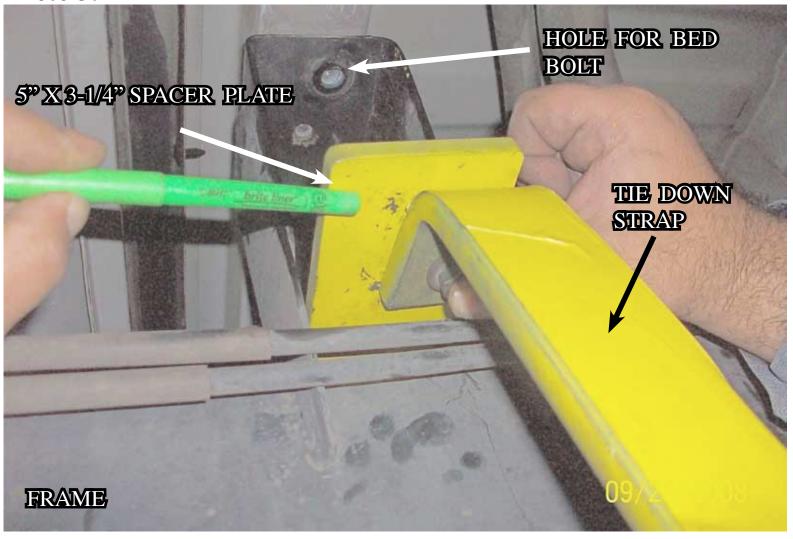
Photo 2.1



Step 3-

Find the drivers side tie down receiver. Hold the tie down in place against the vehicle bed cross member and align with the factory hole. Locate a 5" X 3-1/4" spacer plate. This will be sandwiched between the tie down strap and the bed cross member. (**Photo 3.1**)

Photo 3.1



Note: The spacer plate will have a hole that is offset which should face the rear of the vehicle.

Step 4-

Re-install factory bolt (bolt removed in **Step 2**) through the tie down strap and 5" X 3-1/4" SPACER PLATE. Hand tighten.

Step 5-

Now hold the tie down receiver bracket against the side of the vehicle frame at the front of the truck box, until the factory hole on the side of the vehicle frame line up with the hole in the rear of the tie down receiver.

Step 6- For 2003-2012 truck models proceed to (A); For 2013 truck models proceed to (B)

A: Locate the smaller of the two holes on the side of the truck's frame toward the front of the vehicle. Fish 1/2" X 2" hex bolt with a 1/2" star washer and a 1/2" flat washer followed by another 1/2" star washer through the larger hole in the vehicles frame into the tie down receiver (See our bolt fishing guide). Proceed to (B)

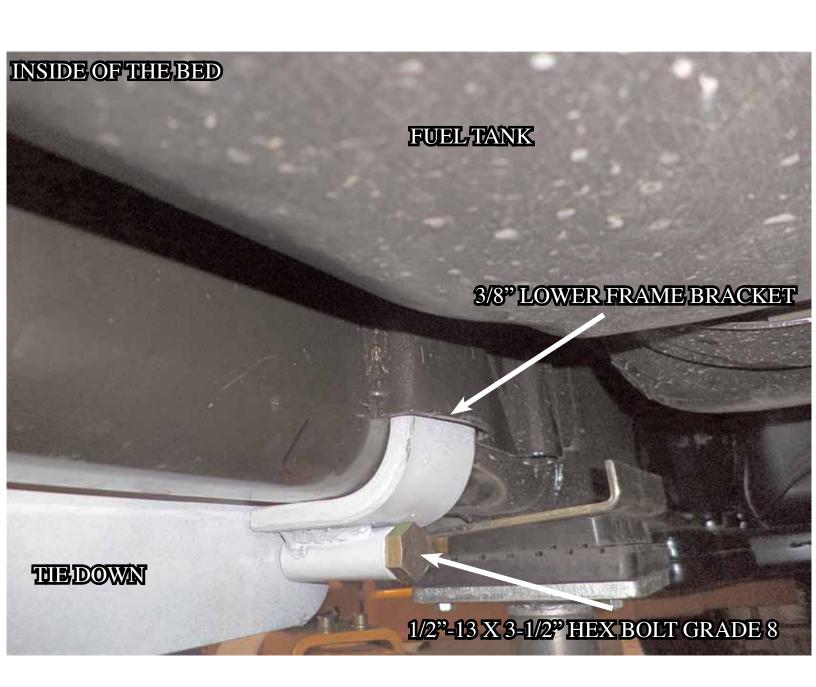
B: Locate the hole on the tie down receiver toward the rear of the vehicle. Place the 1/2" X 2" hex bolt with a 1/2" star washer followed by a 1" X 3" plate washer through the large hole in the vehicle frame. Now pull assembly out of the same hole you placed it into using the bolt fisher. Bring the bolt through into the tie down receiver. (**Photo 6.1**)

Photo 6.1



Step 7- 2013 truck models only-

On the inside and below the Cab Mount on the frame, take the 3/8" Lower Frame Bracket and attach it on the inside of the frame. There is a pocket on the lower inside of the frame that the 3/8" Lower Frame Bracket will slide up and into. Place one 1/2"-13 x 3-1/2" Hex Bolt Grade 8 through the 3/8" Lower Bracket and through the Tie Down. Then place two 1/2" flat washers, a 1/2" lock washer, and a 1/2" nut onto both front and rear receiver bolts and firmly tighten the receiver to the vehicle frame. This will be tightened to 80 ft-lbs.



Step 7-

Tighten the tie down receiver with the factory bed bolt 80 ft-lbs. to bed cross member.

Step 8- 2003-2012 Truck models only.

Now place two 1/2" flat washers, a 1/2" lock washer, and a 1/2" nut onto both front and rear receiver bolts and firmly tighten the receiver to the vehicle frame. This will be tightened to 80 ft-lbs.

Step 9-

Find one bent tie down insert and 1/4" pin and put the tie down insert into the receiver using the hole in the insert. Install 1/4" pin. Double-check that all bolts are tight and that there is 1" of clearance on the insert and truck box lip. Repeat all steps on driver's side.



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PROPER BOLT ASSEMBLY

FIGURE A



FIGURE B



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

Again, the star washers are only required on fastener applications where the head of the bolt CAN NOT 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.

ATTENTION - PLEASE NOTE!!!

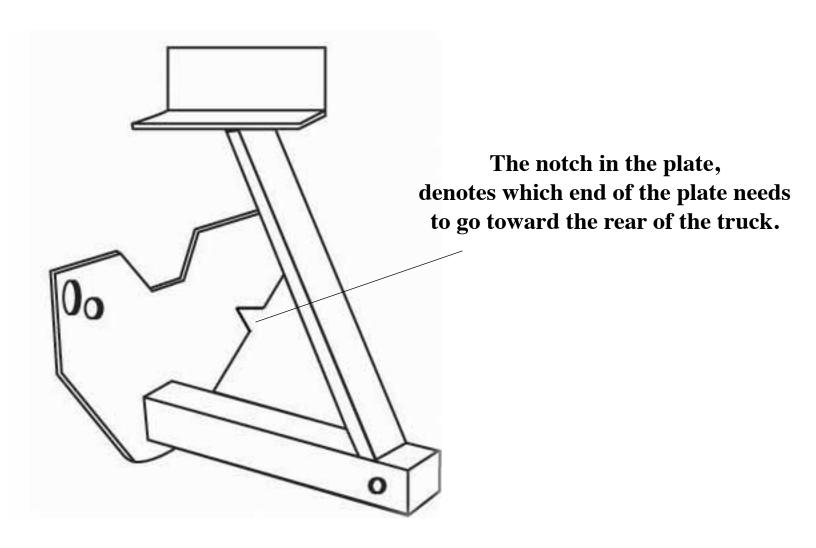


Plate Design May Vary

In an attempt to make the installation of our tie downs easier, we have cut a small triangular notch on the edge of our frame plates.

NOTE: THE DIAGRAM ABOVE DOES NOT REPRESENT ANY ACTUAL TORKLIFT TIE DOWN FRAME PLATE.

INSTRUCTIONS FOR MAINTENANCE OF POLISHED STAINLESS STEEL PRODUCTS



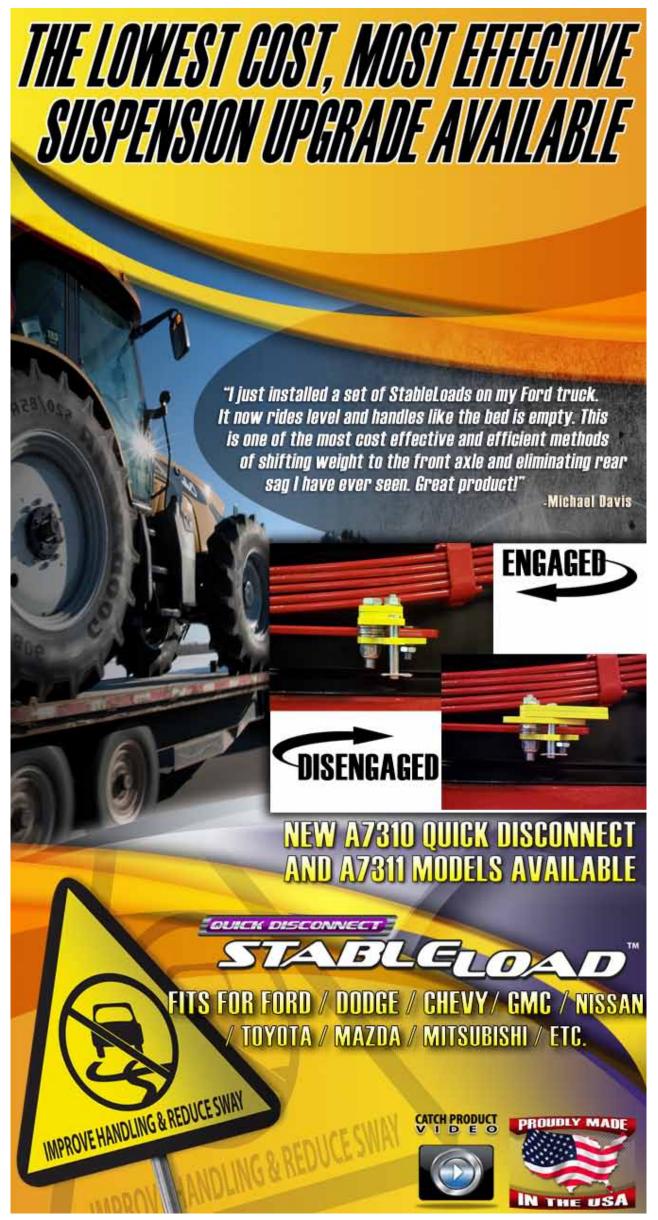
TorkLift utilizes quality grade 304 stainless steel in this product.

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.



PART NUMBER: A7009



Glouistep The Ultimate Scissor Step

"I love this thing. Its light and the steps glow in the dark. It folds up nice and I can store it inside one of my storage bays. What a difference going up and down a decent set of steps compared to those 'death trap' steps that the factories put on."

-Kerry Stark, PA

- >> LIFETIME WARRANTY
- ONLY 5 MINUTES OF LIGHT EXPOSURE
- >> SELF ILLUMINATING STEPS NO BATTERIES
- SAFELY ENTER AND EXIT YOUR RV AFTER DARK
- SUREGRIP™ STEP TREAD NO GRIP TAPE
- >> STORES IN POSITION
- **LOCKABLE**
- EXCLUSIVE: ADJUSTES TO BASEMENT MODEL
 CAMPERS
- 100% ALUMINUM AND STAINLESS STEEL
- STAINLESS BOLTED HINGES ALLOW FOR EASY STEP ADDITION OR REMOVAL (ADD-A-STEP KIT PART # A7501)

Glow-Step Lock



Part #: A7509

Add-a-Step

Part#8A7501



2 Step - A7502 Mounting Bracket Height -19.5"

Max Weight Cap.: 350lbs. with GlowGuide Handrail**

3 Step - A7503 Mounting Bracket Height -27"

Max Weight Cap.: 350lbs. with GlowGuide Handrail**

4 Step - A7504 Mounting Bracket Height -34.5"

Max Weight Cap.: 350lbs. with GlowGuide Handrail**

5 Step - A7505 Mounting Bracket Height -42"

Max Weight Cap.: 300lbs. with GlowGuide Handrail**

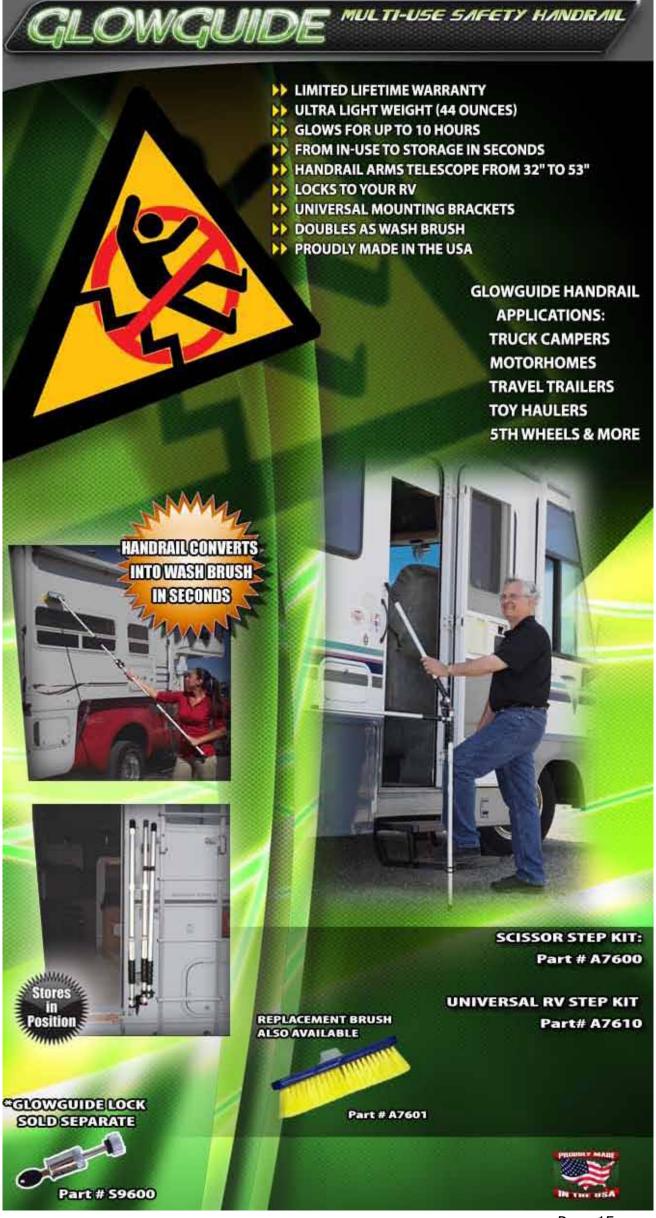
6 Step - A7506 Mounting Bracket Height -49.5"

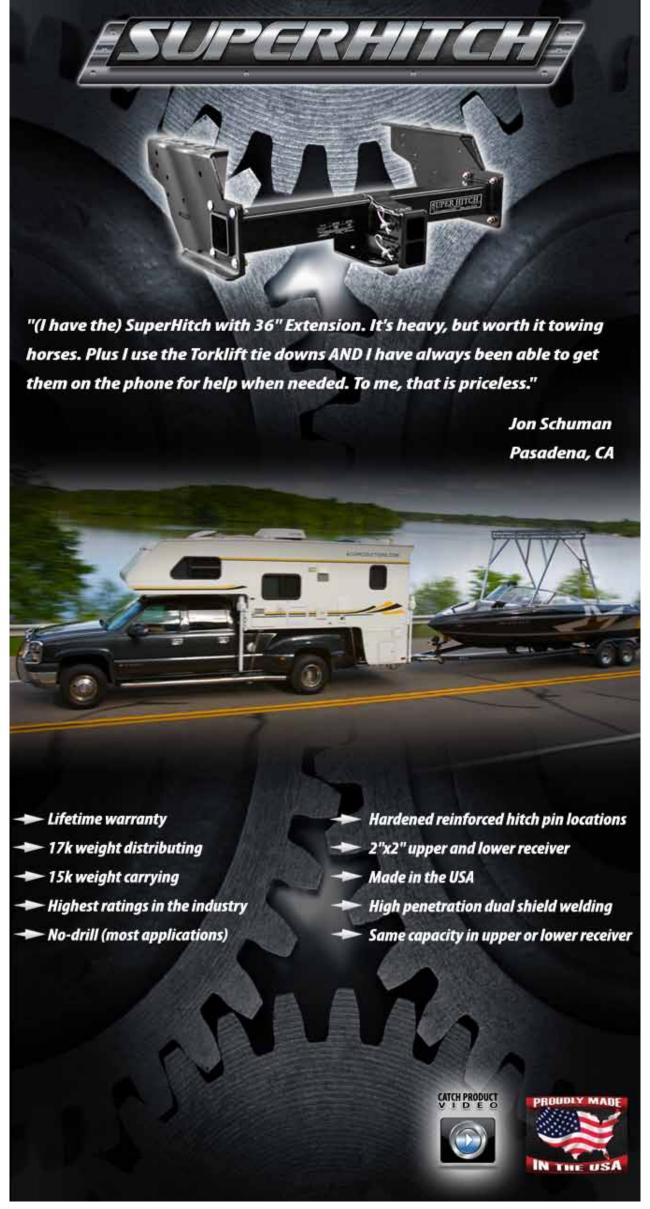
Max Weight Cap.: 300lbs. with GlowGuide Handrail**

** Maximum GlowStep capacity only achieved when used with GlowGuide handrail system.

Maximum GlowStep capacities are 25 lbs less WITHOUT GlowGuide handrail.

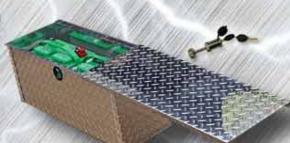
GlowGuide handrail system sold separately















Battery box MFG#: A7700 Lock MFG#: S9501

- Frevents battery theft
 Bolts to your trailer tongue
 Holds up to two spare batteries,
 group 24 or 27
 Lifetime warranty
 Heavy gauge diamond plate
 aluminum

- 5 Slide top for easy battery access

- ***Kit Includes:**
- **F** Battery box
- **₹** Lock

*Batteries not included

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. Tork-Lift tie downs are not universal 'one size fits all' therefore all the problems with correct fit for each particular application have been eliminated.

VISIT WWW.TORKLIFT.COM FOR MORE INFORMATION

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.

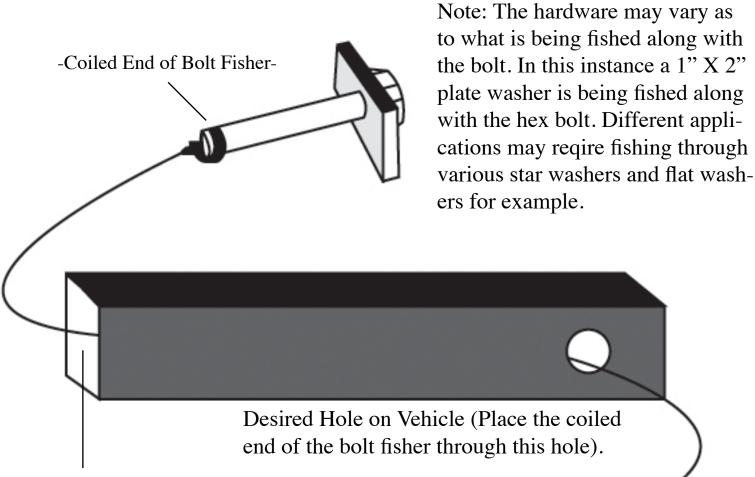


CONTACT YOUR LOCAL DEALER FOR MORE DETAILS

*Weight capacity vary depending on the SuperHitch and SuperTruss extension setup.

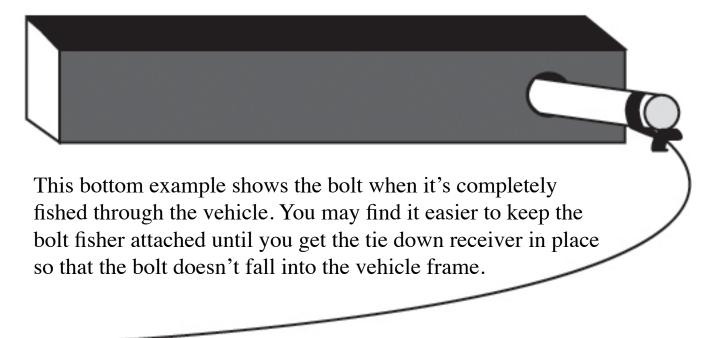
TORKLIFT'S BOLT FISHING GUIDE

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



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.

-Opposite End of Bolt Fisher-



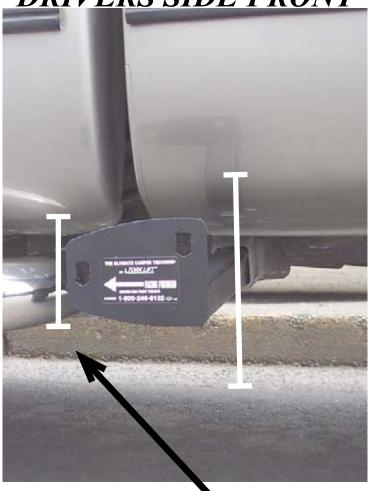
WARNING: PULLING TOO HARD ON THE BOLT FISHER CAN RESULT IN LOST FASTENERS, OR BROKEN BOLT FISHER.

TIE DOWN INSERT INSTALLATION INSTRUCTIONS

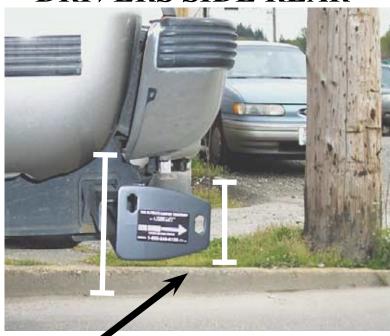
On one end of each of your tiedown inserts is a triangular plate referred to by TorkLift as a bullet plate. Your tiedown inserts should be installed with the shorter side of the bullet plate facing away from each other, i.e.. The shorter side of the front insert should point to the front of the truck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



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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 Powdercoated Finish and is compatible with the FastGun Derringer
handles. Also comes with the TorkLift Lifetime Guarantee.

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 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 Part A7001) or using a block of wood such as a 2 x 4 in the bed, will prevent the camper from damaging

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 reccommendation 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:

the front bulk head of the truck bed.

To keep your TorkLift products looking good follow these guidlines. 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, (consistantly sprayed with corrosive road chemicals such as salt, and road debris), TorkLift does not warranty the power 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.

Torklift International Limited Lifetime Warranty Information

1901 Fryar Ave Sumner, WA 98390

TorkLift will require proof of purchase to register, with pictures of any defective product before issuing a replacement. TorkLift will not register any product without proof of purchase, which can be faxed, scanned, emailed, or mailed to the information provided below. TorkLift warrants it's hitches, custom hitch receivers, frame mounted tie downs, turnbuckles, and accessories (excluding wireharnesses which carry a 90 day warranty) from date of purchase against defects in material and workmanship under normal use and service for the ownership life of the original consumer purchaser. ALL COMMERCIAL APPLICATIONS ARE WARRANTED FOR A PERIOD OF 90 DAYS FROM THE DATE OF INSTALLATION/SERVICE. Tork-Lift will replace FREE OF CHARGE any part which proves defective in material or workmanship when presented to TorkLift, TRANSPORTATION CHARGES PREPAID by purchaser, at the address above. THIS WAR-RANTY IS LIMITED TO DEFECTIVE PARTS REPLACEMENT ONLY. LABOR CHARGES AND/OR DAMAGE INCURRED IN INSTALLA-TION OR REPLACEMENT, AS WELL AS INCIDENTAL AND CONSE-QUENTIAL DAMAGES CONNECTED THEREWITH ARE EXCLUDED. This warranty does not include the finish or paint on our products. Rusting, cracking or peeling of the finish is also excluded. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Any damage to TorkLift products as a result of misuse, abuse, neglect, accident, improper installation or any use violative of instructions furnished by TorkLift or WHEN USED IN ANY COMMERCIAL APPLICATION WILL VOID THE WARRANTY. This warranty gives you specific legal rights, and you may also have rights which vary from state to state. With warranty service, you may be able to go to a small claims court, a state court or a federal district court.

1 TORKLIFT INTERNATIONAL

1901 Fryar Avenue Phone (800) 246-8132 Sumner WA, 98390 Fax (253) 854-8003

Or visit our website: www.TorkLift.com

Dear Valued Customer,

Thank you for making TorkLift your choice for truck, camper packages and accessories for your vehicle. By choosing TorkLift products, you have chosen a company that has been serving the RV industry for nearly 40 years and whose name has become synonomous with strength, quality and advanced design and installation.

Please take a few moments of your time to complete the Product Registration Warranty Card on the next page. When registering your newly purchased TorkLift products, you can be assured that your contact information is secure and that you and your product are getting the attention and respect that you deserve.

Thank you again for choosing TorkLift quality products.

Register for your lifetime warranty and receive a free Torklift International gift.

To Fax: Send copies of the questionnaire, warranty card and receipt to 253-854-8003

To E-mail: Send copies of the questionnaire, warranty card and receipt to warranty@torklift.com

To Mail: Send to Torklift International 1901 Fryar Ave Sumner, Wa 98390



OFFICIAL WARRANTY REGISTRATION CARD

PLEASE FILL OUT THIS FORM COMPLETELY AND RETURN TO TORKLIFT WITHIN 30 DAYS OF PURCHASE ACCOMPANIED BY A COPY OF YOUR ORIGINAL RECEIPT

	TODAY'S DATE:
1. PART(S) PU	JRCHASED
PART#:	PART#:
PART#:	PART#:
2. PURCHASE	R INFORMATION
NAME:	
ADDRESS:	
	STATE: ZIP / POSTAL CODE:
PHONE: () EMAIL:
3. TRUCK INFORMATION	
YEAR:	MAKE:
MODEL:	BED LENGTH:
4. CAMPER IN	NFORMATION
YEAR:	MAKE: MODEL:
5. DEALER INFORMATION	
PURCHASED FRO	OM:
ADDRESS:	
CITY:	STATE: ZIP / POSTAL:
INSTALLED BY:	☐ OWNER ☐ ABOVE DEALER ☐ ANOTHER DEALER
IF ANOTHER DE	ALER, WHO: