



TORKLIFT

I N T E R N A T I O N A L

OVER 35 YEARS OF INNOVATION, QUALITY, SAFETY.



TRUE FRAME MOUNTED CAMPER TIE DOWNS

IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS

F2016A



REVISED version 8- 8/7/2015 BY: CW
TECH SUPPORT (800) 246-8132

**AFTER INSTALL, PLEASE GIVE
THIS BOOKLET TO YOUR CUSTOMER**

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.








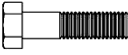




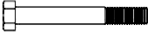
Minor movement or settling can occur in some incidental harsh driving conditions (on or off-road). A rubber bed mat is recommended to protect the truck bed and camper, but is not a requirement to maintain the Torklift legendary lifetime warranty.

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. More information can be found at (www.Torklift.com/stableload).

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.

Parts List

	Tie Down	2
	Bent Tie-Down Insert	2
	3/8" Hook Bracket With	1
	5/8" Hook Bracket	3
	3/16" 3-Hole E-Brake Relocation Bracket	1
	1"(2.54cm) x 2"(5cm) Plate Washer	2
	1/2" USS Flat Washer	7
	1/2" Bolt Fisher	2
	1/2" x 2" Grade 5 Bolt	3
	1/2"-13 Grade 8 Nut	7
	1/2" Star Washer	2
	1/2" Lock Washer	7
	1/2" x 3-3/4" Grade 8 Bolt	2
	1/2"-13 x 4" Grade 8 Bolt	2
	TD Finishing Kit	1

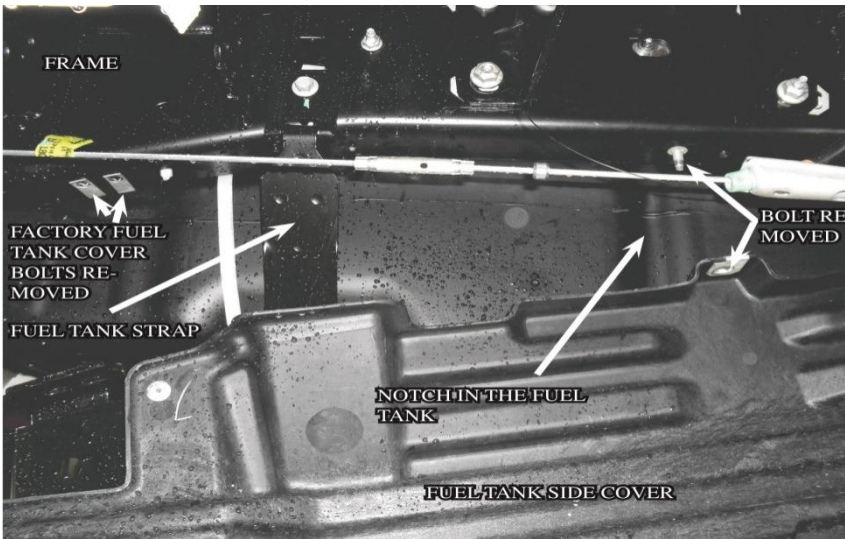
INSTALLATION INSTRUCTIONS:

STEP 1)

Before beginning, chalk the wheels and disengage the parking brake.

DRIVERS SIDE FIRST: Locate and remove the series of nuts that hold the gas tank cover to the frame, and let it hang photo 1.1.

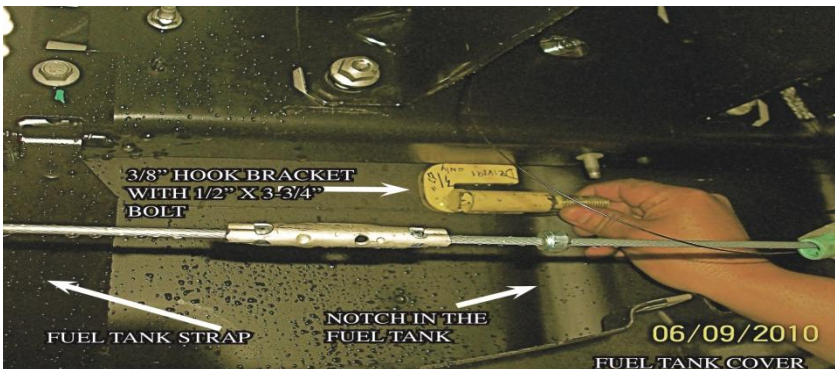
Photo 1.1



STEP 2)

Locate the tank strap, and just to the right, there should be a notch in the gas tank. Take the 3/8" hook bracket and a 1/2" x 3-3/4" grade 8 bolt and place the bolt in the tube on the hook bracket. Plate it sideways against the tank, push up, and hook it onto the frame. See photo 1.1 and 2.1.

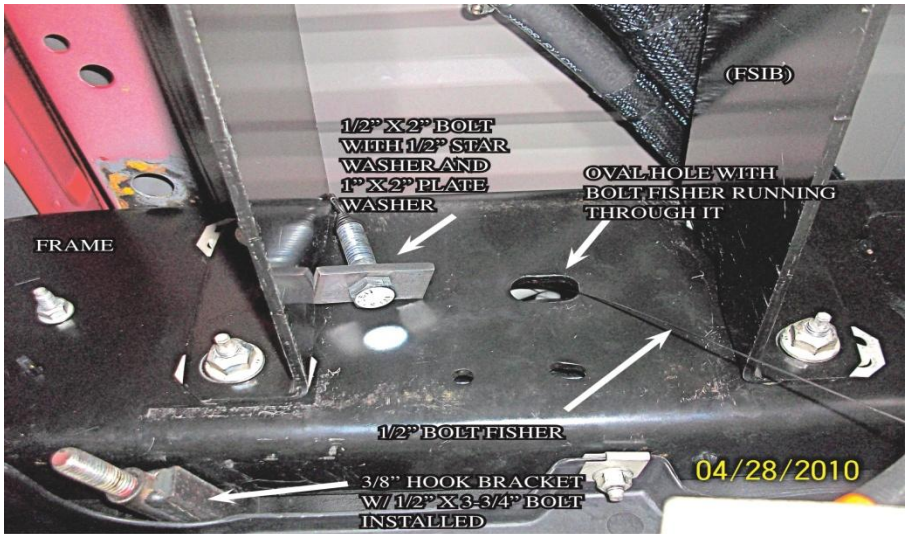
Photo 2.1



STEP 3)

Locate the oval hole in the center of the frame to the right of the tank strap. Take the supplied **1/2" bolt fisher** with the coiled end first, and insert it through the oval hole and up around the frame. Place one **1"(2.54cm) x 2"(5cm) Plate Washer** onto the **bolt fisher**, followed by one **1/2" star washer** and one **1/2" x 2" grade 5 bolt**, then pull it through the frame until it sticks out of the oval hole. Leave the bolt fisher attached see photo 3.1

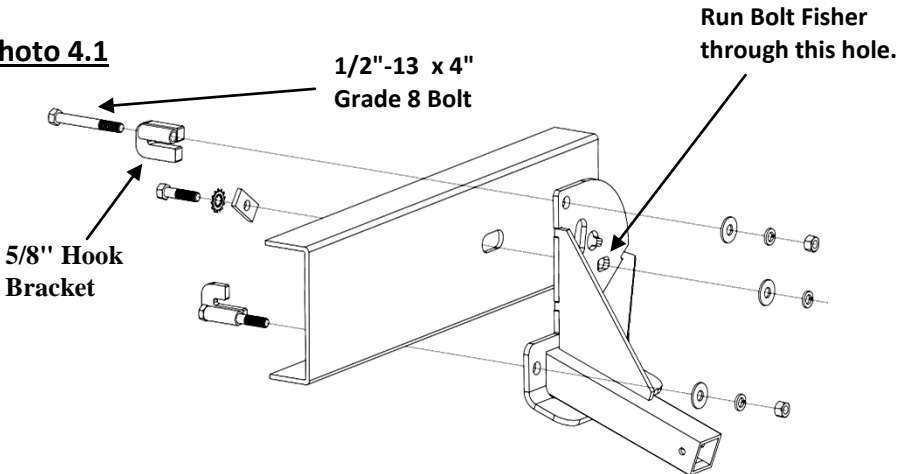
Photo 3.1



STEP 4)

Take one **5/8" Hook Bracket** and one **1/2"-13 x 4" Grade 8 Bolt** and hook it to the top of the frame above and to the left of the previously installed bolt see photo 4.1

Photo 4.1



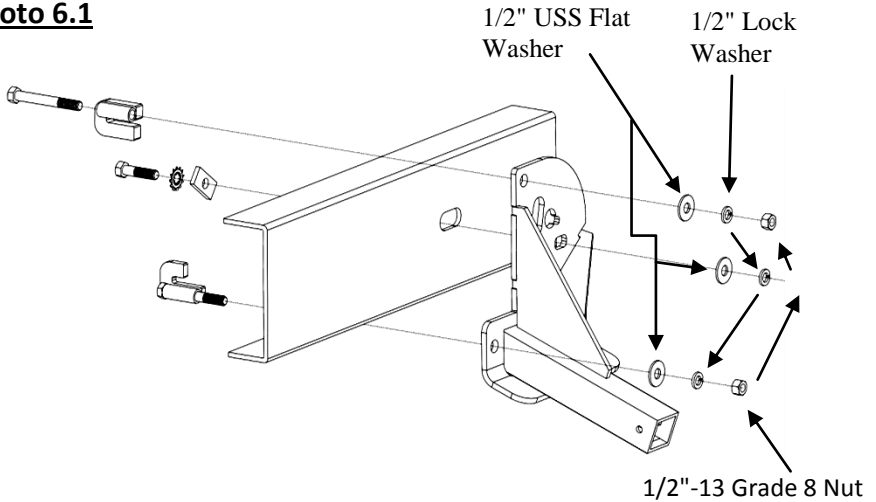
Step 5)

Take the **Tie down** and run the **Bolt Fisher** through the hole shown in photo 4.1

Step 6)

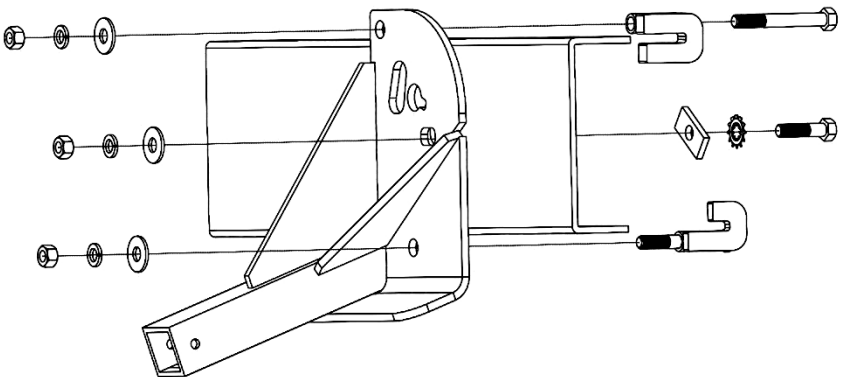
With the **Bolt Fisher** running through **Tie Down**, fit the **Tie Down** against the frame running all three bolts through their appropriate holes as seen in photo 6.1

Photo 6.1



*Note: on some trucks the location of the notch in the gas tank will require the **3/8" Hook Bracket With Welded 1/2" x 3-3/4" Grade 8 Bolt** to run through the hole on the right side of the Driver side TD see photo 6.2*

Photo 6.2



Step 7)

Fasten onto each bolt one **1/2" USS Flat Washer**, one **1/2" Lock Washer**, and one **1/2"-13 Grade 8 Nut** see photo 1.6. Be careful not to lose the bolt on the back side of the frame when removing the **Bolt Fisher**.

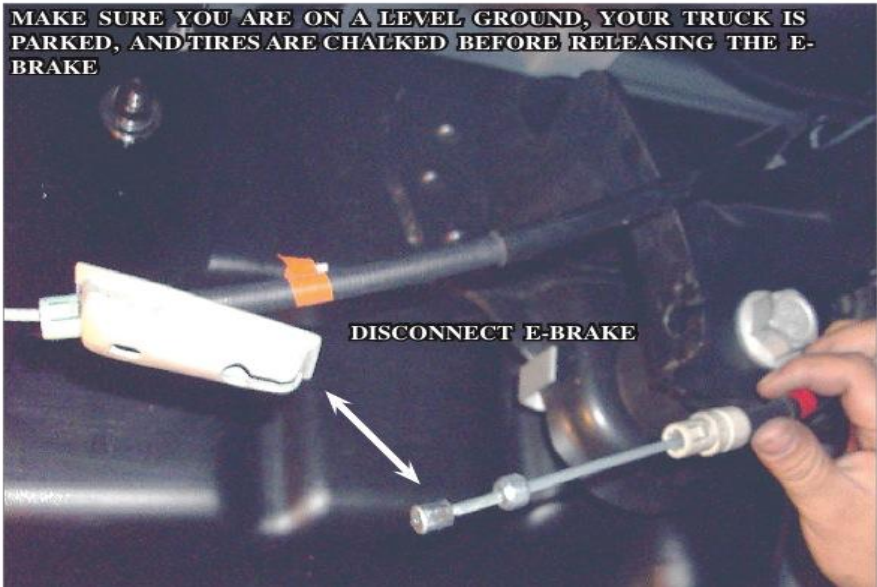
Step 8)

Tighten each 1/2" nut to **75 Ft-Lbs (101 Nm)**. Reattach the fuel tank cover with the factory hardware.

Step 9)

Disconnect the E-brake bracket at the junction point in front of the rear spring perch see photo 1.9

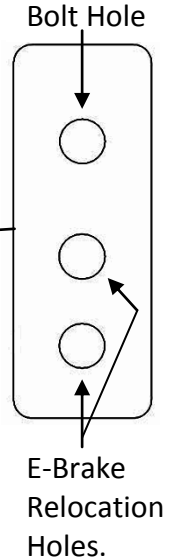
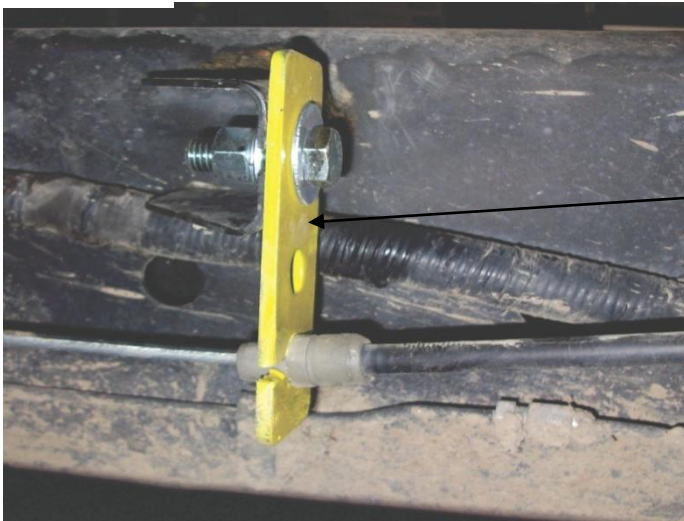
Photo 9.1



Step 10)

Slide the brake line through one of the holes in the **3/16" 3-Hole E-Brake Relocation Bracket** and re-bolt it back into position using one **1/2" x 2" Grade 5 Bolt**, one **1/2" USS Flat Washer**, one **1/2" Lock Washer**, and one **1/2"-13 Grade 8 Nut** see photo 10.1.

Photo 10.1



*Note: Some electrical wires may need to be moved on either side of the frame for the passenger side **Tie Down** installation.*

Step 11)

Passenger Side TD

Take one **5/8" Hook Bracket** and run one **1/2" x 3-3/4" Grade 8 Bolt** through it.

Step 12)

Hook the **5/8" Hook Bracket** and **1/2" x 3-3/4" Grade 8 Bolt** onto the bottom of the frame of the truck so that it will sit to the right of the **Passenger Tie Down Receiver**.

Step 13)

Repeat steps 3 through 8 to complete the **Passenger side Tie Down** installation.

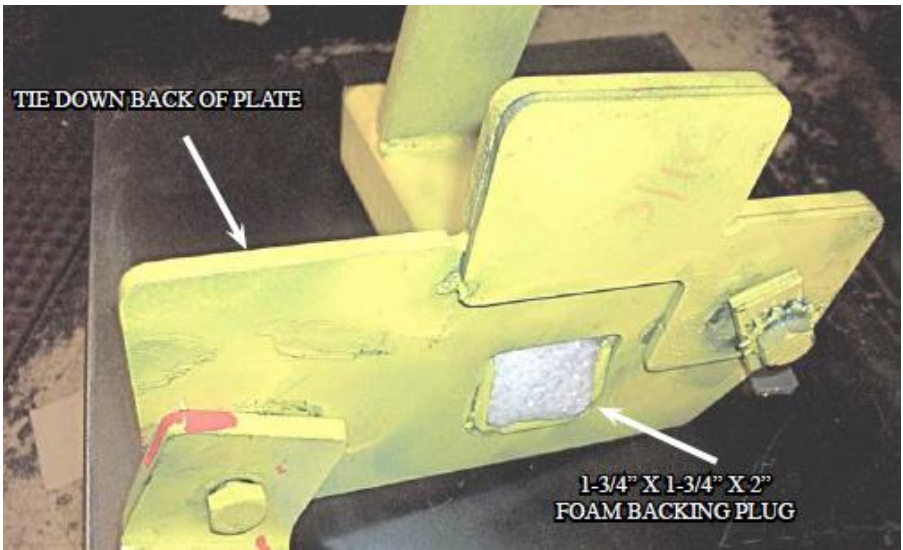
TD Finishing Kit

	1-3/4" x 1-3/4" X 2" Foam Backing Plug	2
	2" x 2" x 1-1/2" Receiver Cap	2

Step 1

Insert one **1-3/4" x 1-3/4" x 2" Foam Backing Plug** into the back of the **Aluminum Tie Down Receiver** opening. If the back of the receiver is inaccessible, insert the Foam Backing Plug in the front of the **Aluminum Tie Down Receiver** and press it back with the **Tie Down Insert** see Photo 1.1

Photo 1.1



Step 2

Insert one **2" x 2" x 1-1/2" Receiver Cap** over the end of the **Aluminum Tie Down Receiver**. See Photo 2.1 (if the 2" x 2" x 1-1/2" Receiver Cap does not fit over the receiver, you will need to notch it out using a box knife or similar) See Photo 2.2.

PHOTO 2.1



PHOTO 2.2



TIEDOWN 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. In most cases, the tie down inserts should be installed with the shorter side of the bullet plate facing away from each other (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).



DRIVERS SIDE FRONT



DRIVERS SIDE REAR

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

IMPORTANT NOTE: *Your tie down inserts are designed to have clearance inside of the receiver. This is to account for road debris, as well as aid in installation and removal. Some rattle may be expected if the inserts are left installed while not under load from the camper*

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 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 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.



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.

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.(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.



CONTACT YOUR LOCAL DEALER FOR MORE DETAILS

Torklift International Limited Lifetime Warranty Information

322 Railroad Ave North, Kent, WA 98032

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 wire harnesses 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. Torklift 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

WARRANTY IS LIMITED TO DEFECTIVE PARTS

REPLACEMENT ONLY. LABOR CHARGES AND/OR DAMAGE INCURRED IN INSTALLATION OR REPLACEMENT, AS WELL AS INCIDENTAL AND CONSEQUENTIAL 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.



TORKLIFT™

INTERNATIONAL

322 Railroad Ave North, Kent, WA 98032

Phone (800) 246-8132 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 synonymous 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 **322 Railroad Ave North, Kent, WA 98032**



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

1. PART(S) PURCHASED

TODAY'S DATE: _____

PART #: _____ PART #: _____

PART #: _____ PART #: _____

PART #: _____ PART #: _____

2. PURCHASER INFORMATION

NAME: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP / POSTAL CODE: _____

PHONE: (____) _____ - _____ EMAIL: _____

3. TRUCK INFORMATION

YEAR: _____ MAKE: _____

MODEL: _____ BED LENGTH: _____

4. CAMPER INFORMATION

YEAR: _____ MAKE: _____ MODEL: _____

5. DEALER INFORMATION

PURCHASED FROM: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP / POSTAL: _____

INSTALLED BY: _____ OWNER ABOVE DEALER ANOTHER DEALER

IF ANOTHER DEALER, WHO: _____