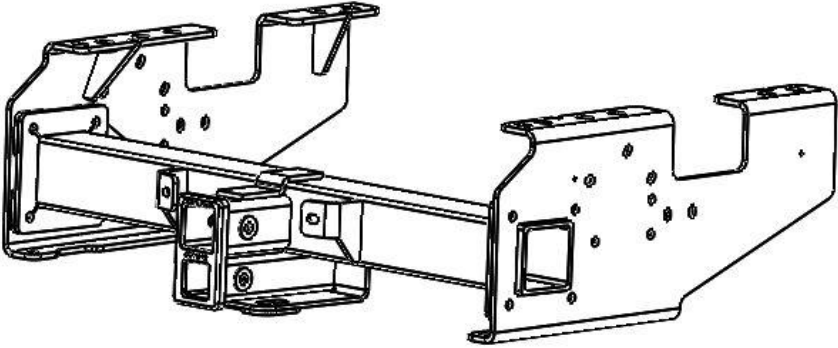


# **TORKLIFT** INTERNATIONAL

**OVER 40 YEARS OF INNOVATION, QUALITY, SAFETY.  
IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS**

## **F1008-30**



Version Number: 5, Date: 3/15/2018 By: CW

**TECH SUPPORT (800) 246-8132**

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

# **Hitch Weight Capacity**

## **Weight Carry**

20,000 lbs maximum pull weight  
2,500 lbs maximum tongue weight

## **Weight Distribution**

30,000 lbs maximum pull weight  
3,000 lbs maximum tongue weight.

## **Warning**

Do not exceed the factory weight ratings of your  
vehicle

# Warnings

## Truck Bed and Camper Protection

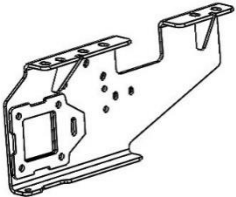
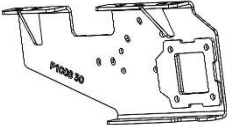
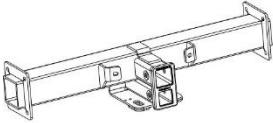


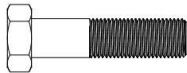
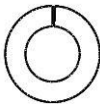



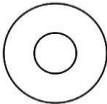
Torklift **does not** recommend installing your camper on top of a plastic bed liner (or other compressible material such as foam). These materials can act as a spring, causing increased vertical truck camper movement independent of the vehicle. Plastic bed liners can slide on the truck bed surface, 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.

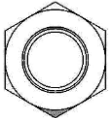
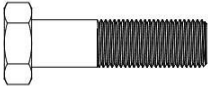
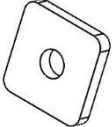
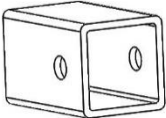
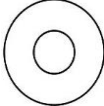

Minor movement or settling can occur in some incidental harsh driving conditions (on or off-road). A rubber bed mat is recommended to protect the truck bed and camper, but is not a requirement to maintain the Torklift legendary lifetime warranty.

## 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](http://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.

Item Image	Item Description	Item #	QTY
	Driver Side Plate	F1008-30-W1-D	1
	Passenger Side Plate	F1008-30-W1-P	1
	Cross Tube	SH-4.00-41.25-A1	1
	Support Strap	SH-SS-P3	2
	Hitch Pin and Clip	3703	2
	3/8-16 x 1 1/2" Gr 5 - Hex Head Cap Screw	6031	2
	3/8" SS - Split Lock Washer	10264	2
	3/8" - USS - Flat Washer	6001	4
	3/8"-16 - Gr5 - Hex Head Nut	3306	2
	1/2" - Split Lock Washer	9302	14
	1/2" USS Flat Washer	6039	16

	<p>1/2"-13 x - Gr 8 - Hex Head Nut</p>	<p>1751</p>	<p>14</p>
	<p>1/2-13 x 2" Grade 8 Hex Bolt</p>	<p>3659</p>	<p>14</p>
	<p>2" x 2" Plate Washer</p>	<p>11403</p>	<p>2</p>
	<p>Adapter Sleeve</p>	<p>SH-RA-S1-Zinc</p>	<p>1</p>
	<p>5/8" - USS Flat Washer</p>	<p>6089</p>	<p>12</p>
	<p>Zip Ties</p>	<p>9408</p>	<p>4</p>

## Installation Notes:

### **Step 1:**

Begin by placing the transmission in "Park" and/or chocking the tires. Remove the spare tire. Remove the Vibration Damper from the Driver's Side of the factory hitch. Then, carefully disconnect the wiring harness from the bumper. Remove the wire harness from the side plates.

### **Step 2:**

Take the bumper off by removing the two bumper support bolts on each side of the receiver as shown in Figure 2.1. Remove the two nuts on either side of bumper as shown in Figure 2.2. Gently pull the bumper away from the vehicle, checking to make sure the wiring harness has been completely disconnected. It may be helpful to a second person to support the bumper during removal. Set the bumper aside for reassembly.

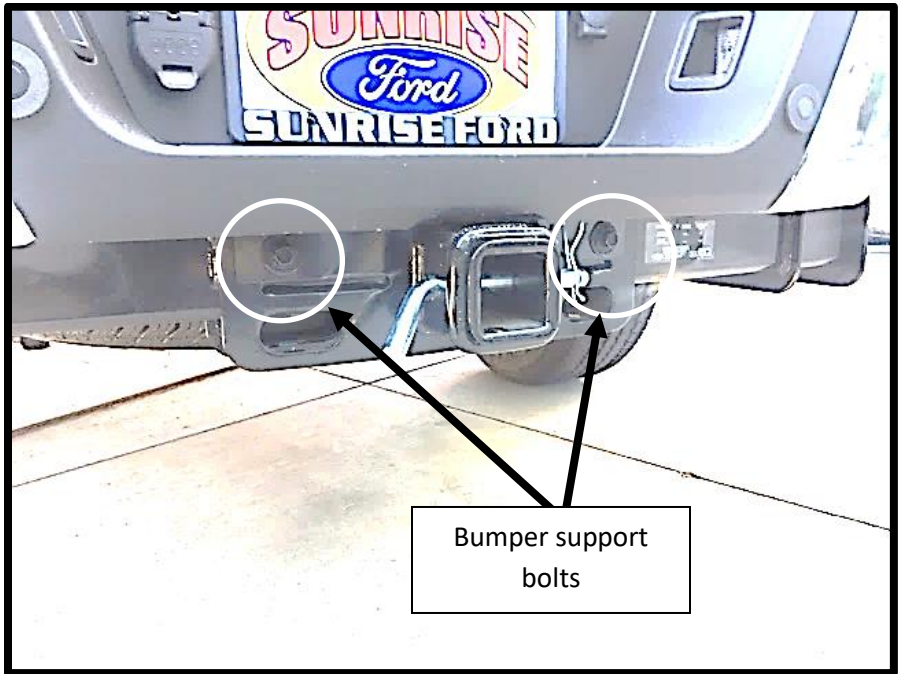


Figure 2.1

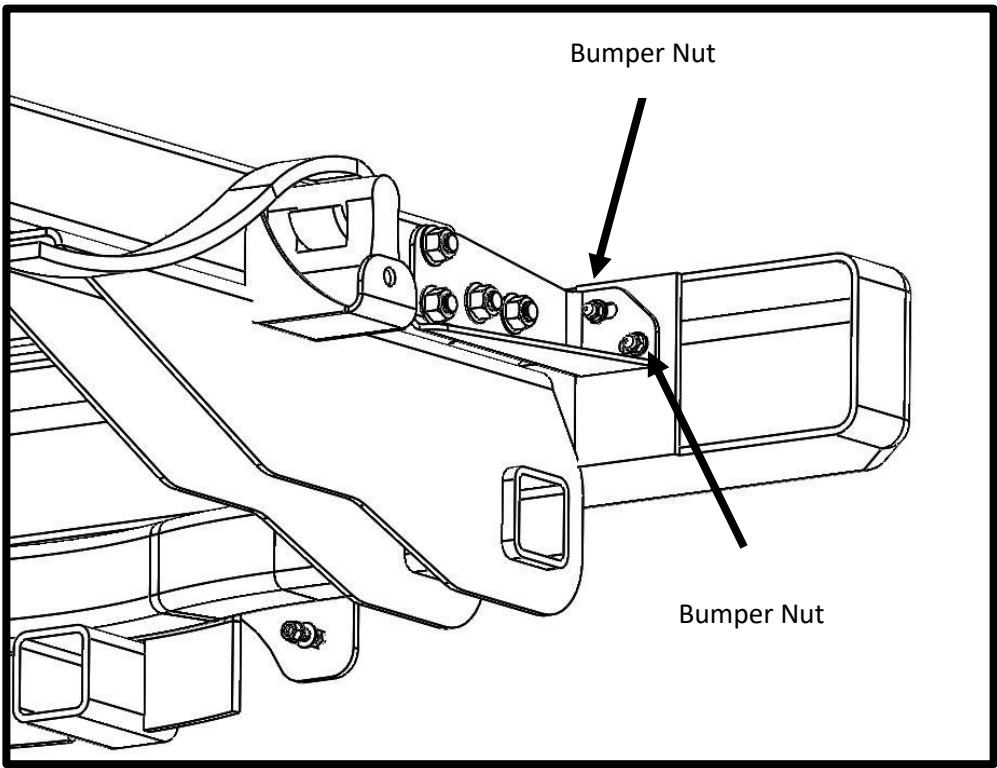


Figure 2.2 (Driver Side)

### Step 3:

Remove the 6 hitch mounting bolts on each side of the vehicle. The two rearmost bolts on each side must be removed from the top. Keep the factory hardware to use during installation. It is best to support the hitch during this process for your safety. It may be necessary to use a breaker bar to loosen the bolts.



Figure 3.1

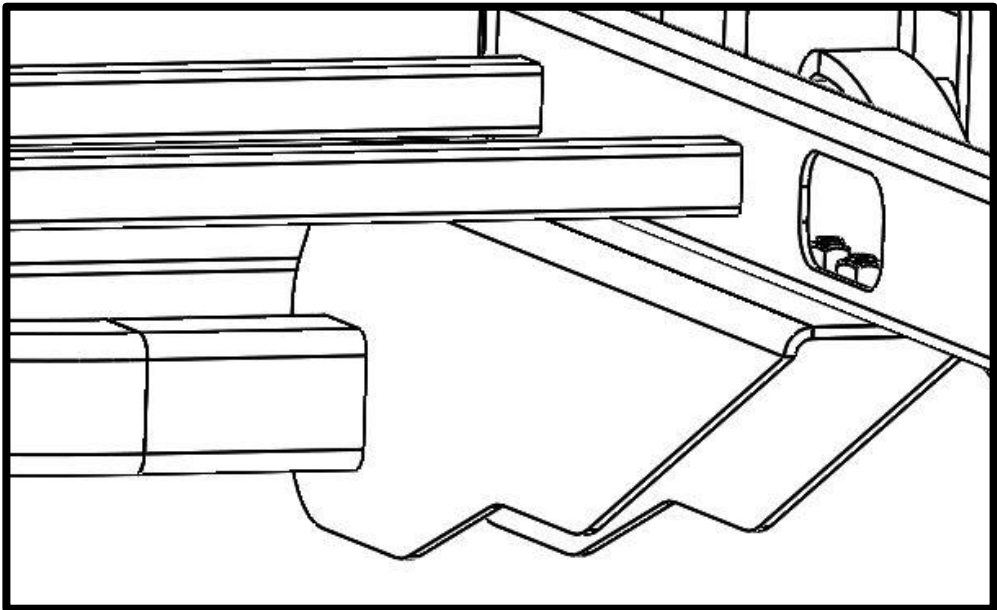


Figure 3.2 (Driver Side)

## Step 4:

The Side Plates will install with the Flanges pointed inwards toward the center of the truck. Loosely reinstall the factory hardware with supplied 5/8" USS Flat Washers through the top holes in the Side Plates and into the factory plate nuts as shown in Figure 4.1. It may be necessary to reposition the side plates as they may have shifted during removal. Repeat on the other side.

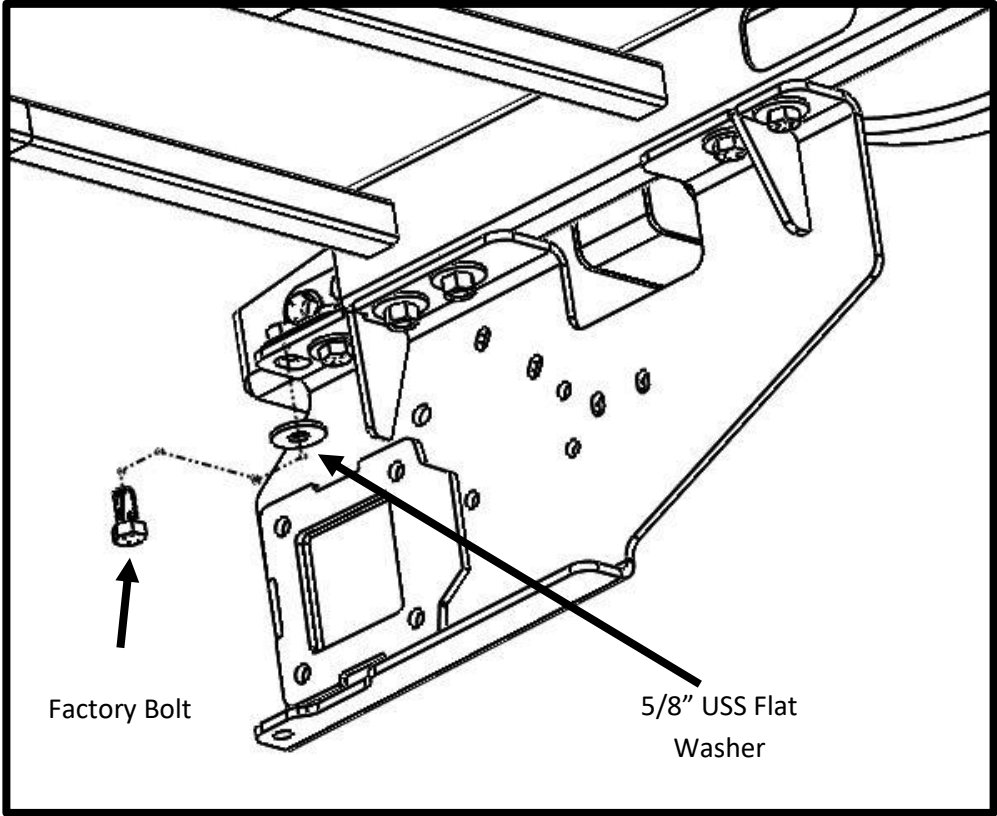


Figure 4.1 (Driver Side)

## Step 5:

Place the Cross tube in the square holes and secure to the side plates using 1/2-13 x 2 Bolts making sure that the threads are facing towards the outside of the vehicle. It will be necessary to use a hammer or mallet to seat the bolts into the holes. Do not use the nuts to pull the bolts into place. Use a 1/2" Split Lock Washer and 1/2-13 Grade 8 Hex Nut to secure the bolts.

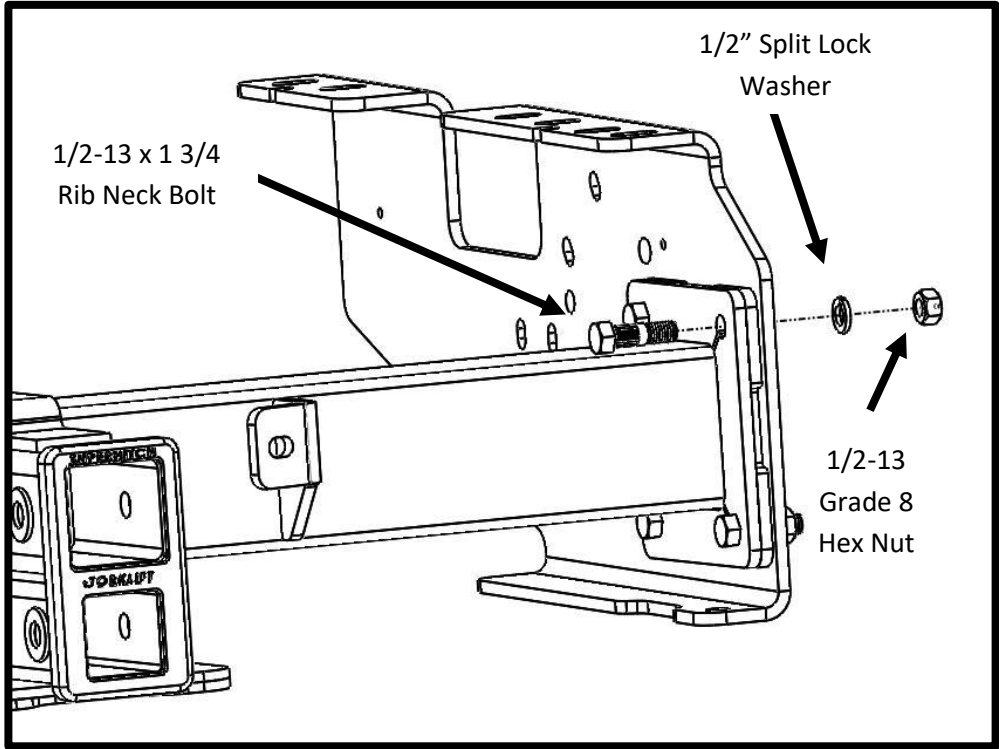


Figure 5.1 (Frame Not Shown for Clarity, Passenger Side)

Torque all 1/2" hardware to 75 ft-lbs

Torque the factory hitch mounting bolts to 100 ft-lbs, making sure that the hitch is centered in the vehicle.

## Step 6:

Remove the two bumper bracket bolts on both sides of the vehicle as shown in figure 6.1.

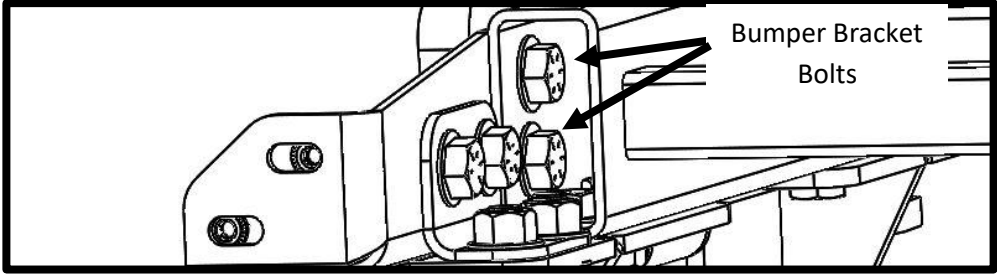


Figure 6.1

## Step 7:

Replace the Bumper Bracket Bolts with two 1/2"-13 x 2" Grade 8 Bolts with 1/2" washers. Next, Install one 1/2"-13 x 2" Grade 8 Bolt with one 1/2" Washer through the hole in the Super Hitch Side Plate just above the Cross Tube. See figure 7.1.

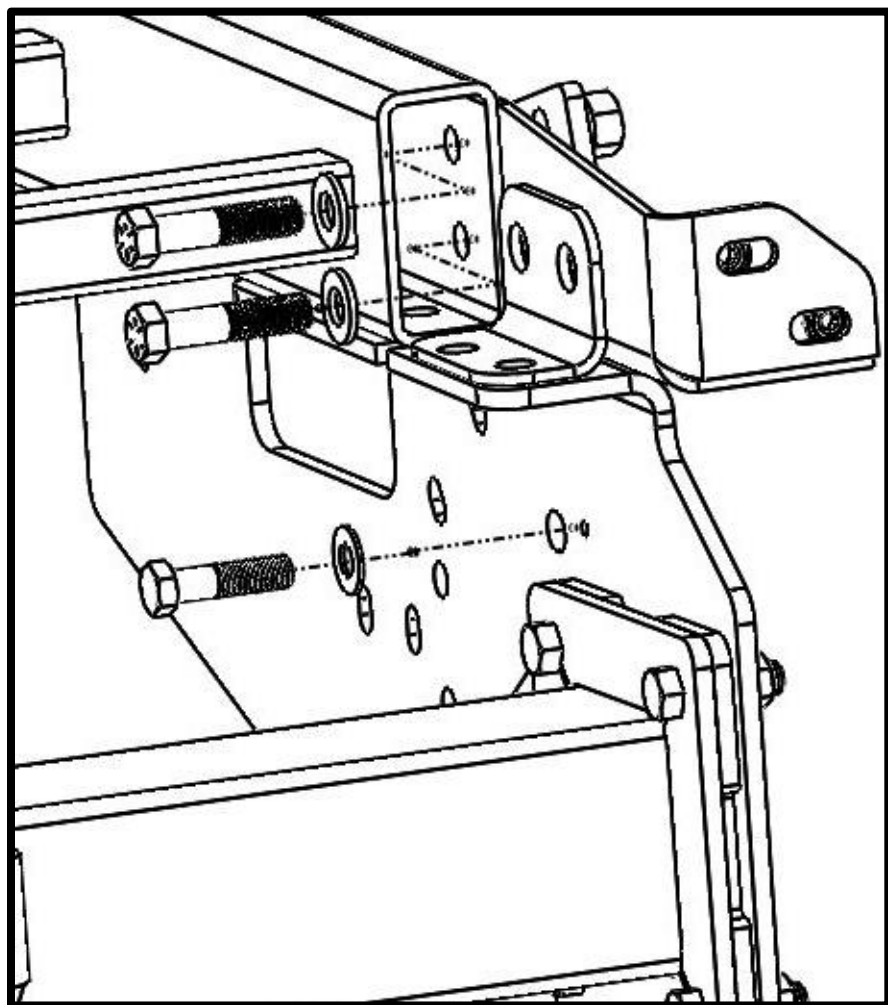


Figure 7.1

## Step 8:

Assemble the Side Strap and Hardware as shown in Figure 8.1.

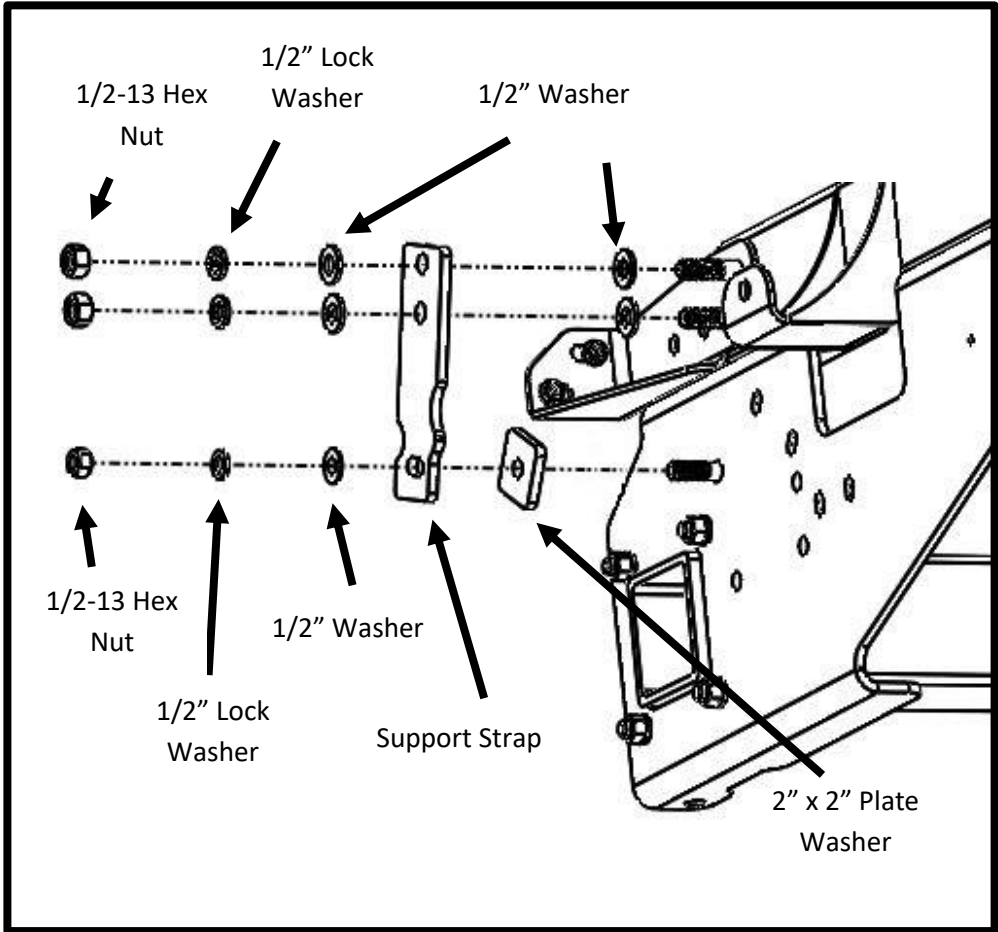


Figure 8.1

Torque hardware to 75ft-lbs.

## Step 9:

Slide the Bumper back into place and replace the back nuts on the bumper studs as shown in Figure 3.2. Torque the nuts to 50 foot-pounds.

Slide the bumper support plate so that it can be bolted to the hitch. Secure the bumper support bracket to the hitch using one 3/8"-16x1-1/2 Grade 5 hex Bolt, two 3/8" USS Flat Washers, one 3/8" Lock Washer, and one 3/8"-16 Grade 5 Hex Nut. See Figure 9.1.

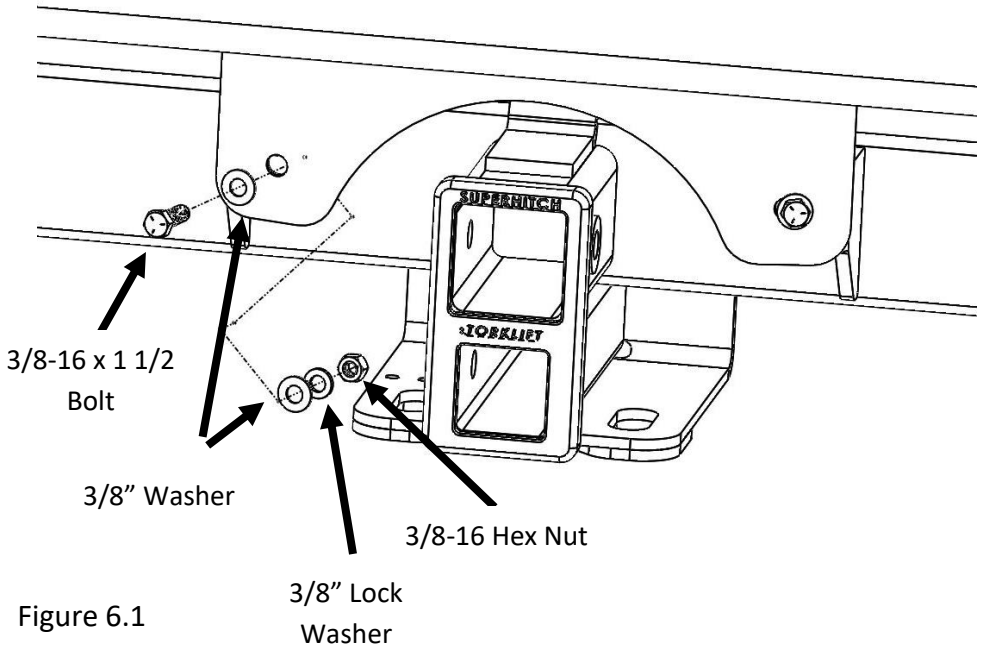
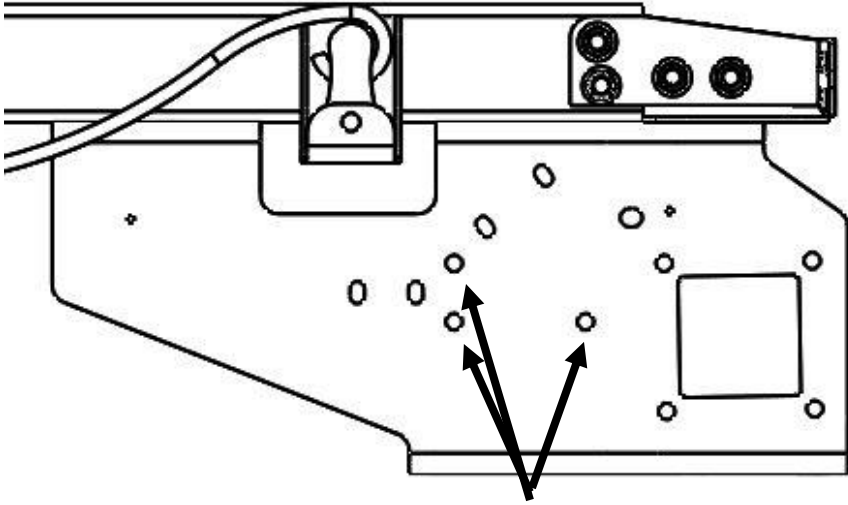


Figure 6.1

## Step 10:

Replace the Vibration damper in the holes shown in Figure 10.1. Torque the factory nuts to 17 ft-lbs.



Vibration Damper Mount  
Holes (Driver's side)

Figure 10.1

The installation is now complete.

# YOUR TOWING EQUIPMENT

## HITCH BALLS

Select by gross trailer weight rating, mounting platform thickness, hole size and coupler socket size. Platform must be at least 3/8 inch thick. Hole must not exceed threaded shank diameter by more than 1/16 inch. Use lock washer. Tighten per instructions. When tightened, shank must protrude beyond bottom of nut. Gross trailer weight rating and ball diameter are marked on Hitch balls.

## TRAILER COUPLERS

The coupler socket should be smooth, clean and lightly lubricated. Tighten or adjust per coupler manufacturer's instructions.

## SAFETY CHAINS

Connect safety chains properly EVERY TIME YOU TOW. Cross chains under coupler. Attach securely to the hitch or tow vehicle so they can't bounce loose. Leave only enough slack to permit full turning. Too much slack may prevent chains from maintaining control if other connections separate. Don't let chains drag on the road.

## TRAILER LIGHTS, TURN SIGNALS, ELECTRIC BRAKES AND BREAK AWAY SWITCH CONNECTIONS

Make these safety-critical connections EVERY TIME YOU TOW, no matter how short the trip. Check operation, including electric brake manual control, before getting on the road.

## SWAY CONTROLS

Sway controls can lessen the effects of sudden maneuvers, wind gusts and buffeting caused by other vehicles. We recommend them for trailers with large surface areas, such as travel trailers. Adjustable friction models can help control trailers with low tongue weight percentage.

## OTHER USEFUL EQUIPMENT

AIR SPRINGS, AIR SHOCKS or HELPER SPRINGS are useful for some hitch applications. A TRANSMISSION COOLER may be necessary for heavy towing. Many states require TOWING MIRRORS on both sides.

## TIRE INFLATION

Check often. Follow tow vehicle and trailer manufacturer's recommendations. Improper tire inflation can cause trailer sway.

**NO PASSENGERS IN TRAILERS:** NEVER allow people in trailers while towing, under any circumstances.

## 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 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.



## **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](http://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(6350 Kg). with an extension\* , (17,000 lbs (7711Kg). to 20,000 lbs(9071 Kg). 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 its 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 plastic, rubber, and/ or electrical components maintain a warranty of up to one year from the date of the purchase. **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 violation 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](http://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](mailto:warranty@torklift.com)

To Mail: Send to Torklift International 322 Railroad Ave North, Kent, WA 98032





## OFFICIAL WARRANTY REGISTRATION CARD

**322 Railroad Ave North, Kent, Wa 98032**

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: \_\_\_\_\_