



**OVER 35 YEARS OF INNOVATION, QUALITY, SAFETY.**  
**IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS**

**C3215A**

# 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.

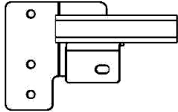

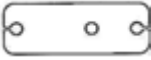
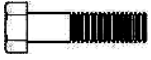




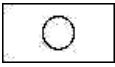




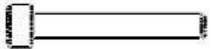
Minor movement or settling can occur in some incidental harsh driving conditions (on or off-road). A rubber bed mat is recommended to protect the truck bed and camper, but is not a requirement to maintain the Torklift legendary lifetime warranty.

## 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.

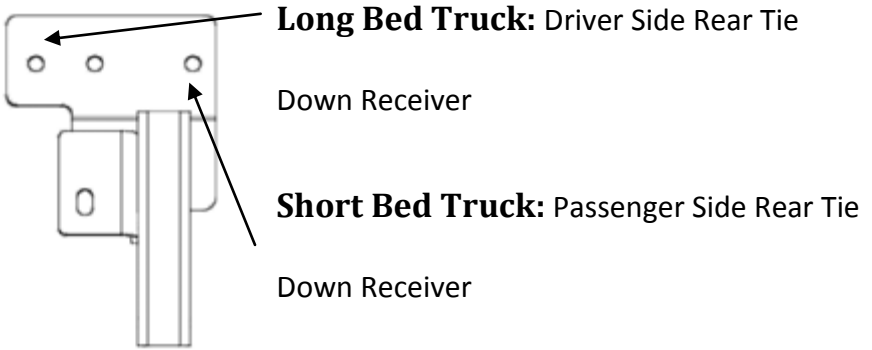
## Part Inventory

Image	Description	Quantity
	<a href="#">Tie Down Receiver</a>	2
	Tie Down Insert	2
	Tie Down Clamp Strap	2
	1/2"-13 x 1.5" Hex Bolt Grade 5	4
	1/2" Washer USS Grade 5	8
	1/2" Lock Washer High Alloy	4
	1/2"-13 Hex Nut Grade 5	4
	1/2" Star Washer	2
	1"(2.54cm) x 2"(5cm) Plate Washer	4
	7/16"-14 x 1-1/2" Grade 8 Bolt	2
	7/16" Lock Washer	2
	7/16"-14 Hex Nut	2
	1/2" Bolt Fisher	1
	Finishing Kit	1
	1/4" x 1-3/8" Bail Pin	2

**Note:**

On long bed trucks, the C3215 will sit to the rear of the spring perch bracket.

On short bed trucks, the C3215 will sit to the front of the spring perch bracket.



## Starting with the Passenger Side

**Note:** If the passenger side **Tie Down Receiver** has clearance issues with the exhaust it may be necessary to adjust the Exhaust U-Bracket down to open in order to gain additional clearance.

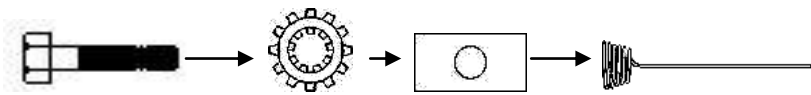
Exhaust U-Bracket to bend open.



### Step 1

Starting on the passenger side, locate the rear leaf spring perch. Take one **7/16"-14 x 1-1/2" Grade 8 Bolt** with one **1/2" Star Washer** followed by one **1"(2.54cm) x 2"(5cm) Plate Washer**. Attach this Bolt assembly to a Bolt Fisher. See Figure 1.1 for reference.

**Figure 1.1** - Bolt Assembly Order.

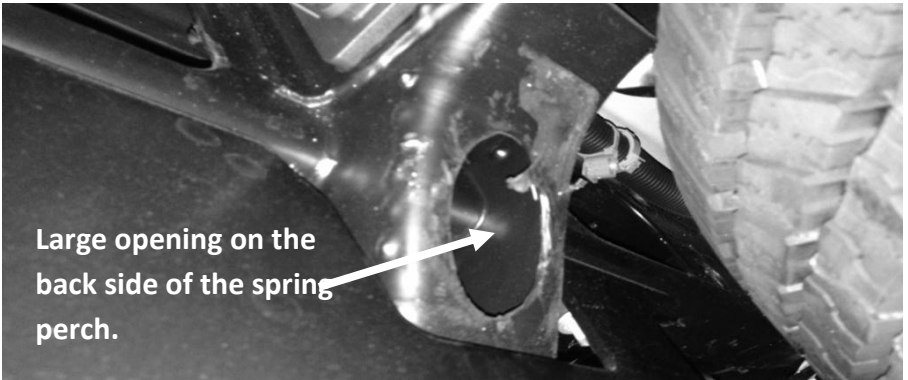


## Step 2

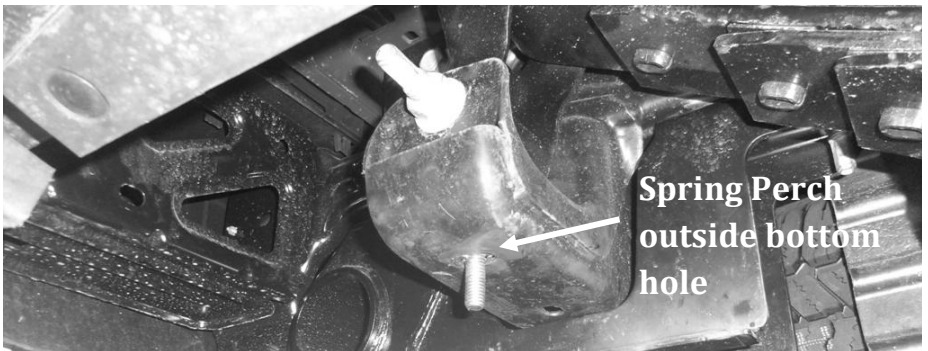
Fish the Bolt assembly **as one** into the large opening on the backside of the spring perch and through the outside bottom hole on the spring perch. See Photo 2.1 and 2.2.

**Note:** *This bolt fisher assembly will not fish through the hole if each fastener is done individually.*

### Photo 2.1



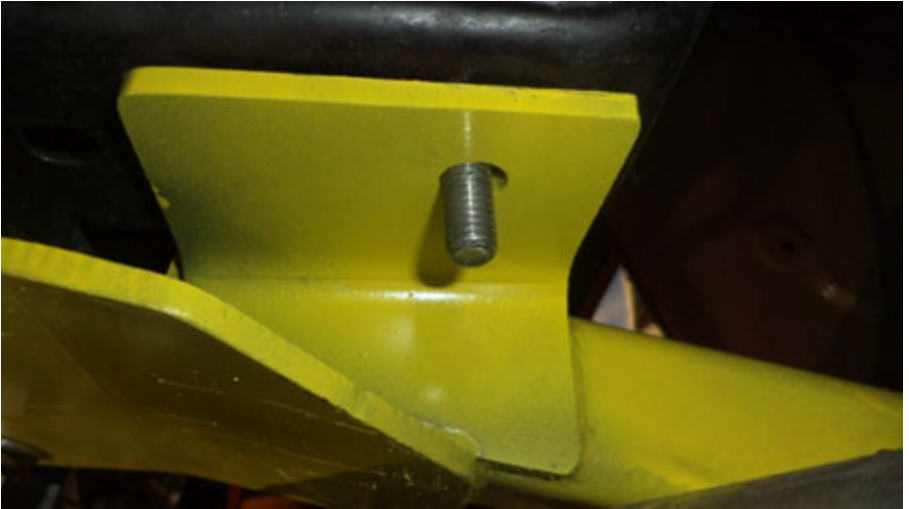
### Photo 2.2



### Step 3

Lift the passenger side **Tie Down Receiver** up to the factory hitch so the **7/16"-14 x 1-1/2" Grade 8 Bolt** protrudes down from the spring perch and through the slotted hole. See Photo 3.1 for reference.

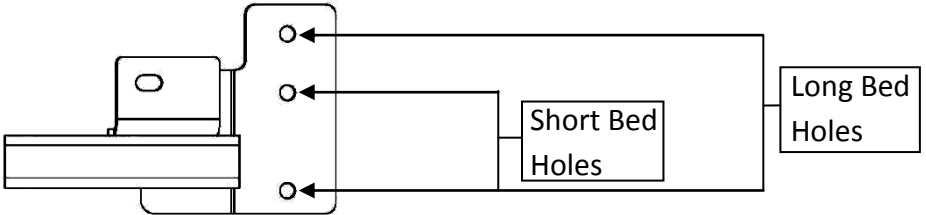
**Photo 3.1**



### Step 4

Secure the **Tie Down Receiver** to the spring perch by fastening one **1"(2.54cm) x 2"(5cm) Plate Washer** followed by one **7/16" Lock Washer** and one **7/16"-14 Hex Nut** onto the **7/16"-14 x 1-1/2" Grade 8 Bolt**, Hand tighten.

**If you are installing this Tie Down on a Long Bed Truck, proceed to Step 5 and 6. If you are installing this Tie Down on a Short Bed Truck, Proceed to Step 7 and 8.**

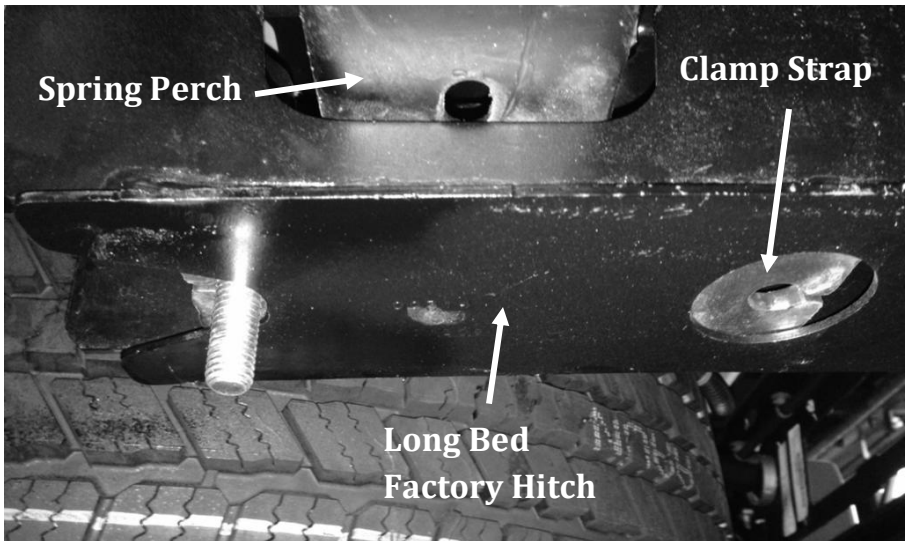


### **Step 5 - Long Bed**

Take one **Tie Down Clamp Strap** and slide it inside the factory hitch.

Align it so that two of the three holes line up with two of the three holes on the **Tie Down Receiver** see photo 5.1 for reference.

**Photo 5.1**



## **Step 6 - Long Bed**

Install one **1/2"-13 x 1.5" Hex Bolt Grade 5** with one **1/2" Washer**

**USS Grade 5** through each of the two holes that are lined up

between the **Tie Down Clamp Strap** and the **Tie Down Receiver**.

**Proceed to Step 10 If Long Bed Truck**

## **Step 7 - Short Bed**

Take one **Tie Down Clamp Strap** and install one **1/2"-13 x 1.5" Hex Bolt Grade 5** with one **1/2" Washer USS Grade 5** through the Center hole. Slide it inside the factory hitch at a 45° so the bolt head is angled toward the inside of the truck until the **1/2"-13 x 1.5" Hex Bolt Grade 5** can fall through the center hole in the hitch plate and through the **Tie Down Receiver**.

*Note: if the bolt gets caught on the hitch plate, push the bolt up just enough to clear the hitch plate.*

## **Step 8 - Short Bed**

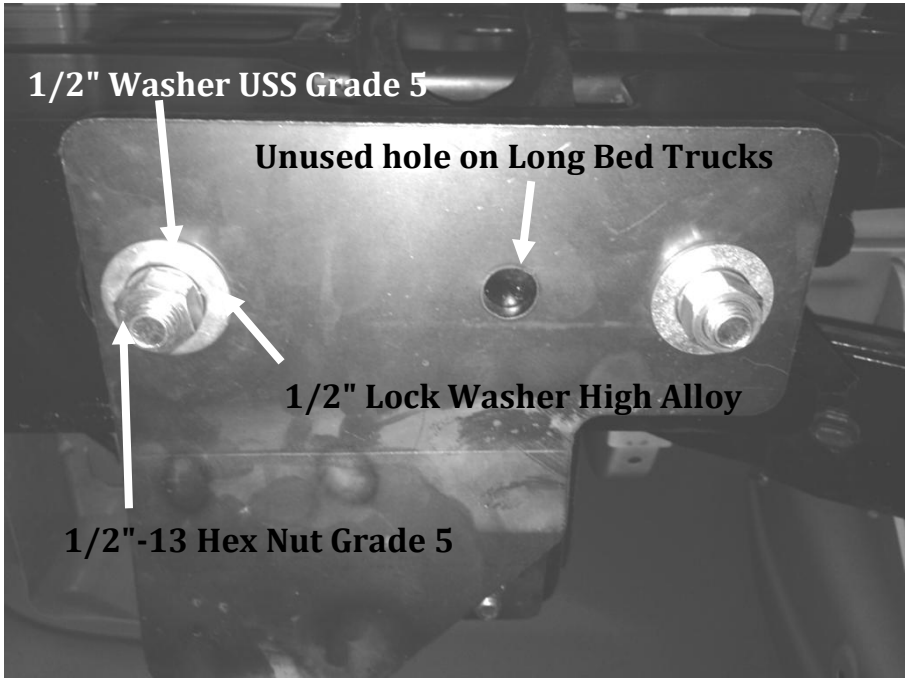
With the **Tie Down Clamp Strap** in place along with the Center **1/2"-13 x 1.5" Hex Bolt Grade 5** and **1/2" Washer USS Grade 5**, install the remaining **1/2"-13 x 1.5" Hex Bolt Grade 5** and **1/2" Washer USS Grade 5** through the next hole that is lined up between the **Tie Down Clamp strap** and **Tie Down Receiver**.

**Proceed to Step 10**

## Step 10

Secure these two **1/2"-13 x 1.5" Hex Bolts Grade 5** with one **1/2" Washer USS Grade 5**, followed by one **1/2" Lock Washer High Alloy**, and one **1/2"-13 Hex Nut Grade 5** onto each **1/2"-13 x 1.5" Hex Bolt Grade 5**. Hand Tighten. See photo 10.1 for reference.

### Photo 10.1 - Long Bed Truck



## Step 11

Repeat Steps 1 through 10 for the driver side.

## Step 12

Torque all 1/2" hardware to **70 ft- lbs (95 Nm)**.

Torque all 7/16" hardware to **60 ft-lbs (81 Nm)**.

## Step 13

Install the **Tie Down Inserts** into the **Tie Down Receivers**. The plate on the end of the **Tie Down Inserts** should be offset towards the rear of the vehicle, with the mounting holes on the plate located above the tube.

Secure the **Tie Down Inserts** with a **Tie Down Lock**. Either hole in the **Tie Down Insert** can be used as long as the turnbuckle has adequate clearance around the body of the truck.

**TD FINISHING KIT:** Generic **Aluminum Tie Down** picture is used for illustration purposes. **Aluminum Tie Down** design may vary.

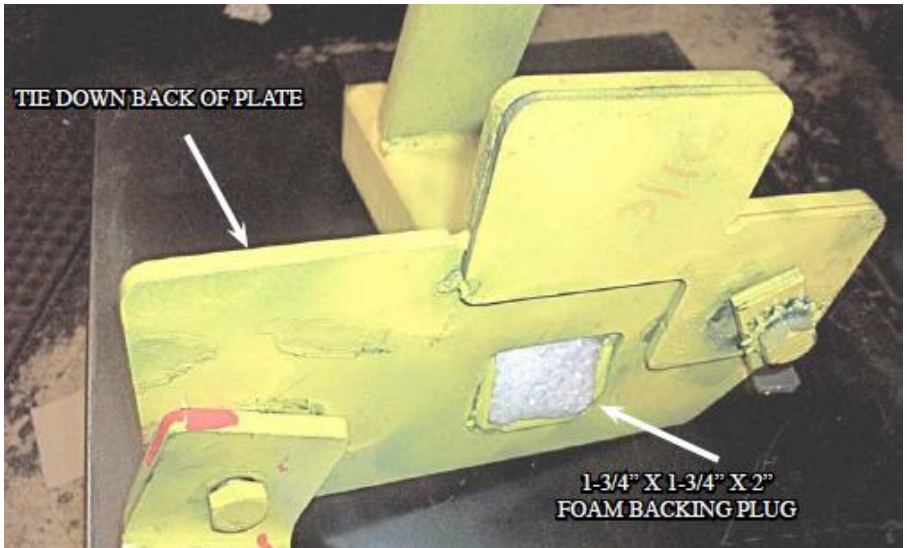
### **TD Finishing Kit**

	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**. (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 2.1

### Photo 2.1



## **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.