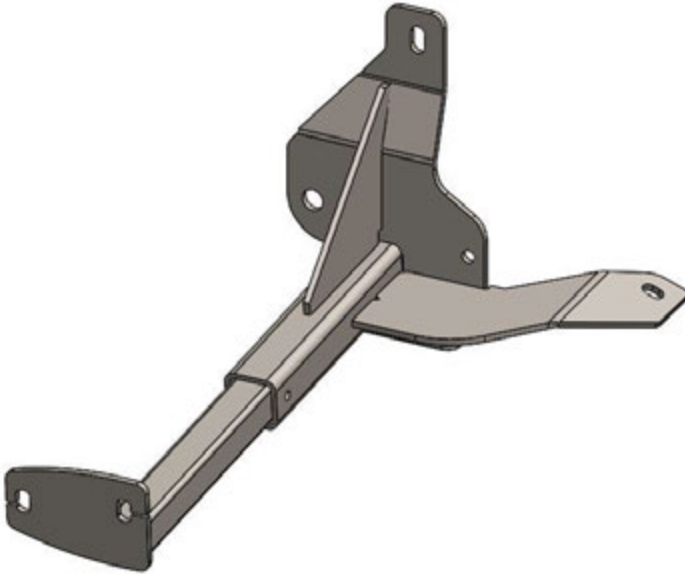


TORKLIFT **INTERNATIONAL**

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

F2019, F2020



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.


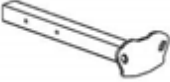
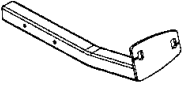



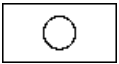




Minor movement or settling can occur in some incidental harsh driving conditions (on or off-road). A rubber bed mat is recommended to protect the truck bed and camper, but is not a requirement to maintain the Torklift legendary lifetime warranty.

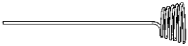
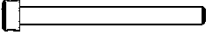






Suspension

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.

Parts Inventory

Item Image	Item Description	Quantity
	<u>Tie Down Receiver</u>	2
	Straight Tie Down Insert (F2019 Only)	2
	Bend Tie Down Insert (F2020 Only)	2
	3/4" Flat Washer	2
	M18-2.5 Jam Nut with Thread Locker	2
	1/2"-13 x 2" Grade 8 Hex Bolt	4
	1" x 2" Plate Washer	4
	1/2" Star Washer	4
	1/2" USS Flat Washer	8
	1/2" Lock Washer	4
	1/2"-13 Grade 8 Hex Nut	4

Item Image	Item Description	Quantity
	1/2" Bolt Fisher	2
	1/4" x 2-1/4" Snapper Pin	2
	3/8" x 3/4" x 1" Nylon Spacer	1
	1" OD 1/8" Wall x 1" SS Tube	1
	3/8"-16 x 2.5" Grade 5 Hex Bolt	1
	3/8"-16 Grade 5 Hex Nut	1
	3/8" SAE SS Flat Washer	2
	3/8" Lock Washer	1

Step 1

Begin the installation on the passenger side of the vehicle. Using a 27mm socket, remove the lock nut from the front leaf spring bolt as shown in figure 1.1. Leave the bolt in place.

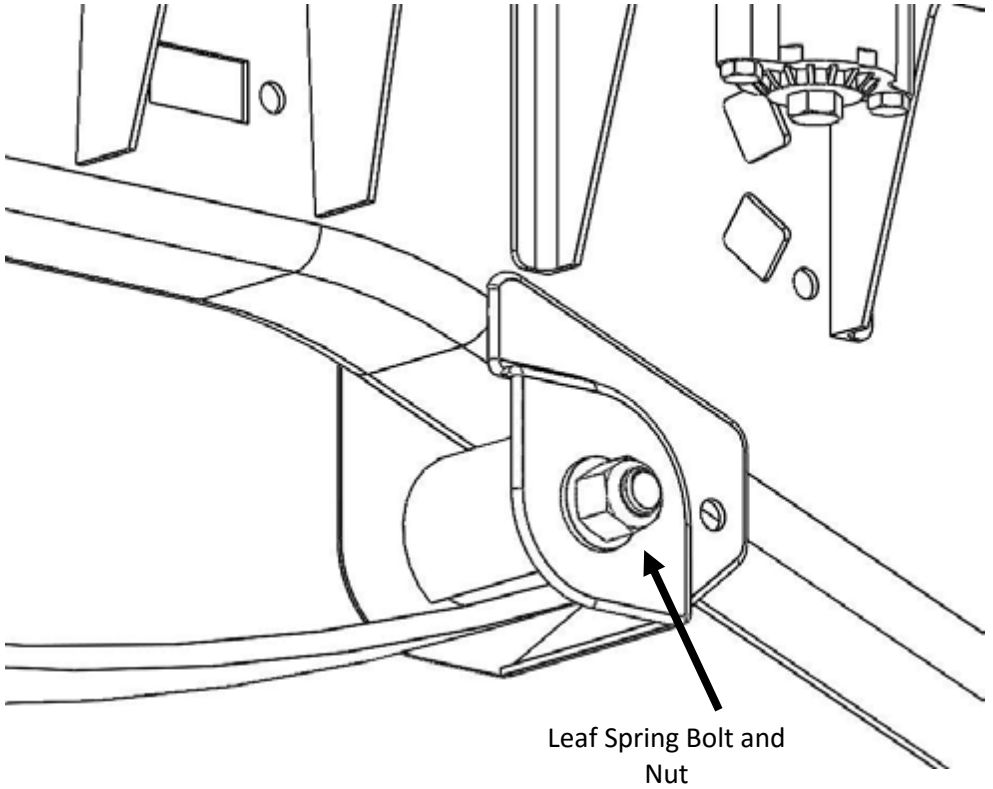


Figure 1.1

Step 2

Install a **1/2"-13 x 2" Grade 8 Hex Bolt** with one **1/2" Star Washer** and one **1" x 2" Plate Washer** onto the coiled end of a **1/2" Bolt Fisher**. See figure 2.1. Insert the hardware, bolt first, into the square hole "A" (see figure 2.2). Using the bolt fisher, pull the hardware back out so the threaded end of the bolt is sticking out of the frame. Leave the bolt fisher attached at this time.

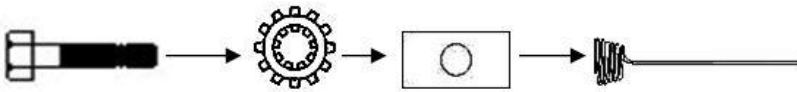


Figure 2.1

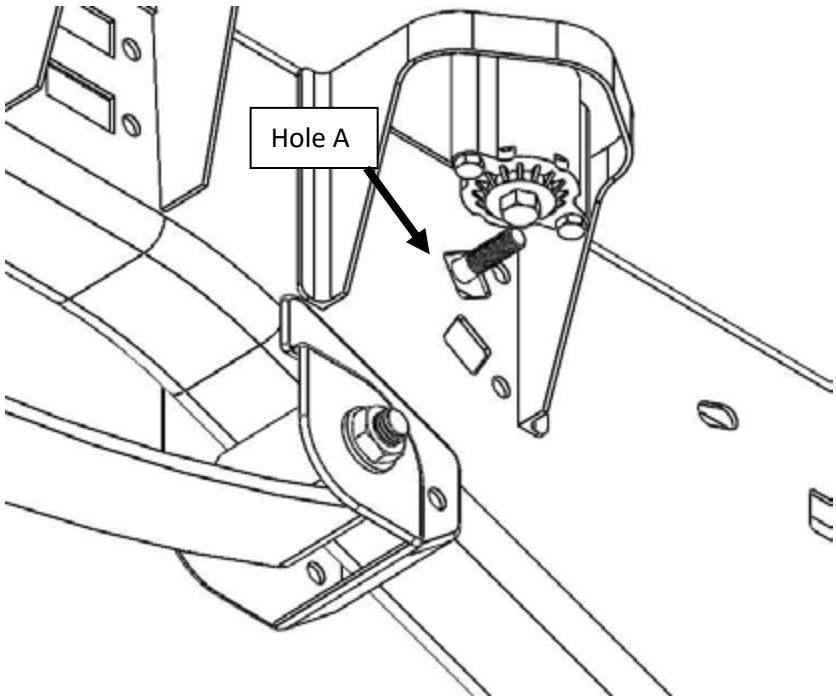


Figure 2.2

Step 3

Attach a **1/2"-13 x 2" Grade 8 Hex Bolt** with one **1/2" Star Washer** and one **1" x 2" Plate Washer** onto a **1/2" Bolt Fisher**. See figure 2.1. Insert the non-coiled end of the bolt fisher into square hole "B" and back out through the oval hole "C" on the bottom of the frame (just forward of the leaf spring hanger). Pull the hardware through the frame so the threaded end of the bolt protrudes down through the bottom of the frame. See figure 3.1.

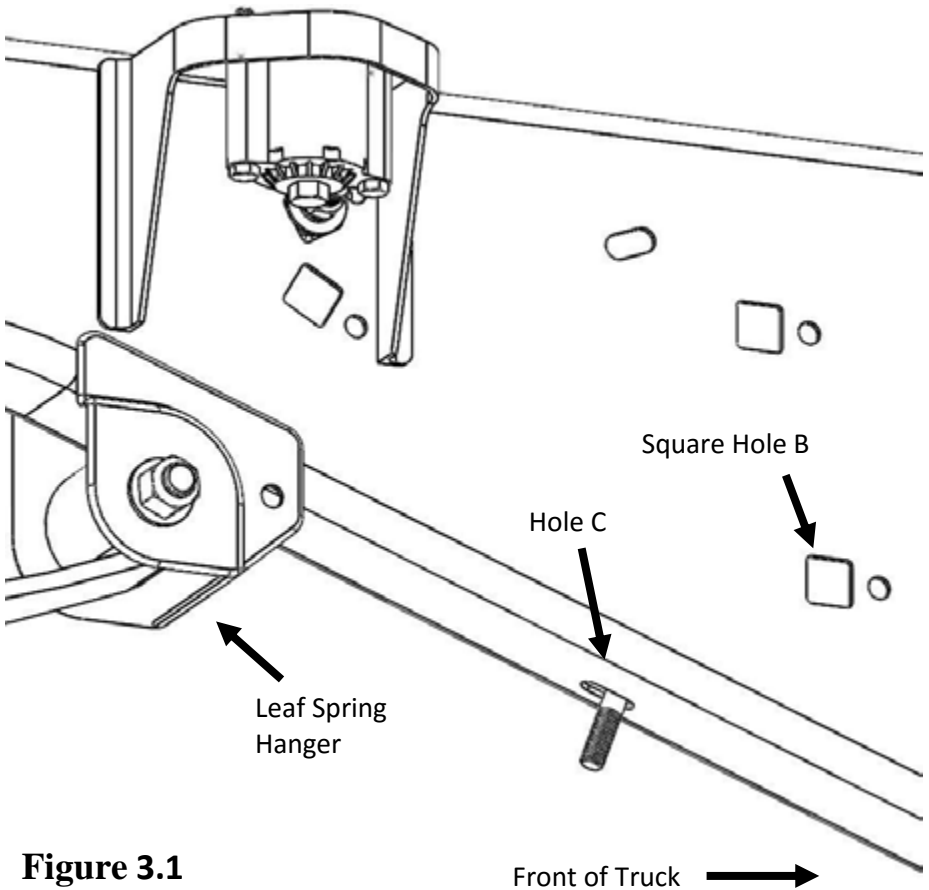


Figure 3.1

Step 4

Feed the wire end of the bolt fisher from step 2 into the top hole in the tie down receiver. Feed the wire end of the bolt fisher in step 3 through the hole in the receiver gusset arm. Carefully angle the top of the tie down receiver behind the truck cab mount and up against the frame. The bottom hole in the tie down receiver will slide over the leaf spring bolt. See figure 4.1 and figure 5.1.

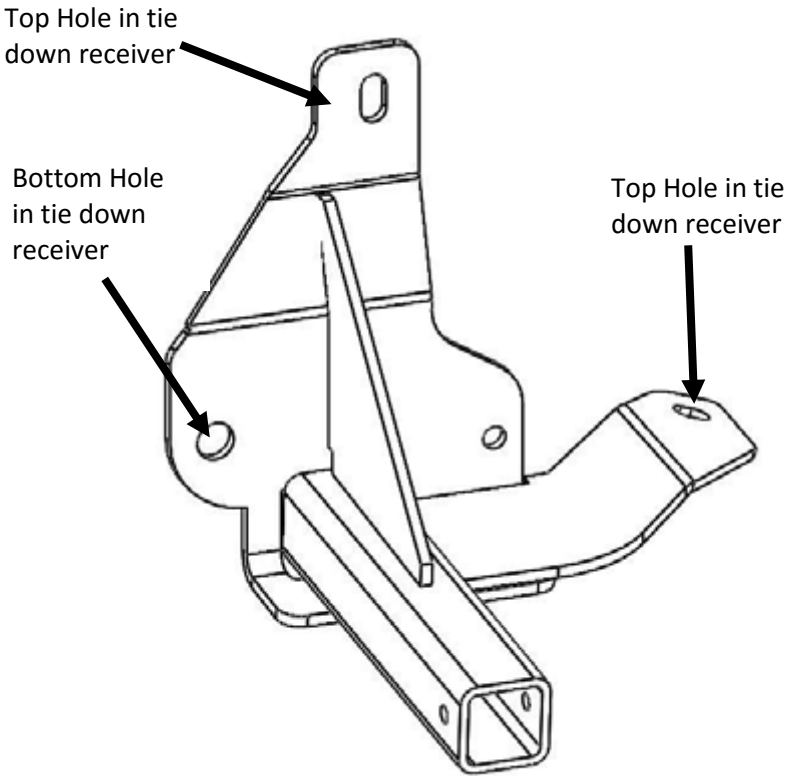


Figure 4.1

Step 5

Secure the Leaf Spring Bolt with one **3/4" Flat Washer** and one **18mm-2.5 Jam Nut** with Thread Locker.

Carefully remove the bolt fisher from the bolt in Hole A. While holding the bolt to keep it from falling into the frame, secure it with one **1/2" USS Flat Washer**, one **1/2" Lock Washer**, and one **1/2"-13 Hex Nut**. It will be necessary to tighten the nut with a 3/4" wrench, as a socket will not be able to reach behind the cab mount. It may be necessary to hold the end of the bolt with channel locks while tightening the nut until the star washer inside the frame begins to grab. Repeat the process for the bolt in Hole C. See figure 5.1

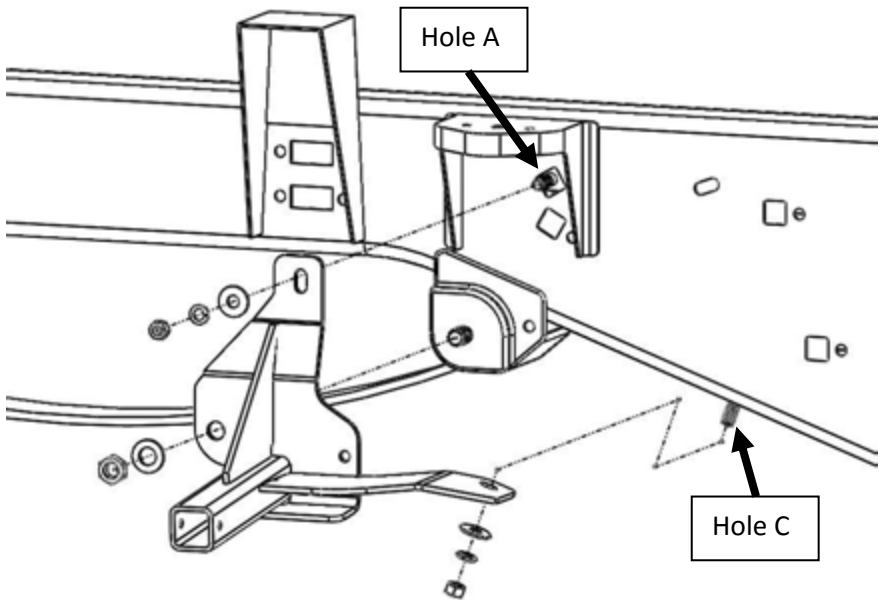


Figure 5.1 (cab mount not shown for clarity)

Step 6

Tighten all 1/2" hardware to 50-ft-lbs (68nm)

Tighten the **M18-2.5 Jam Nut** to 75 ft-lbs (100nm)

Step 7

Repeat the installation process on the driver side of the vehicle. If your F150 is equipped with mechanical parking brakes, you will need to first remove the parking brake cable bracket from the bottom of the front leaf spring hanger. Install the tie down with the parking brake cables hanging below the tie down receiver.

Once the tie down is installed, reinstall the parking brake cable bracket to the back side of the tie down receiver as shown in figure 7.1. The parking brake cable bracket may need to be bent to fit around the tie down receiver. Make sure the parking brake cables will clear the leaf spring and bed side step if applicable.

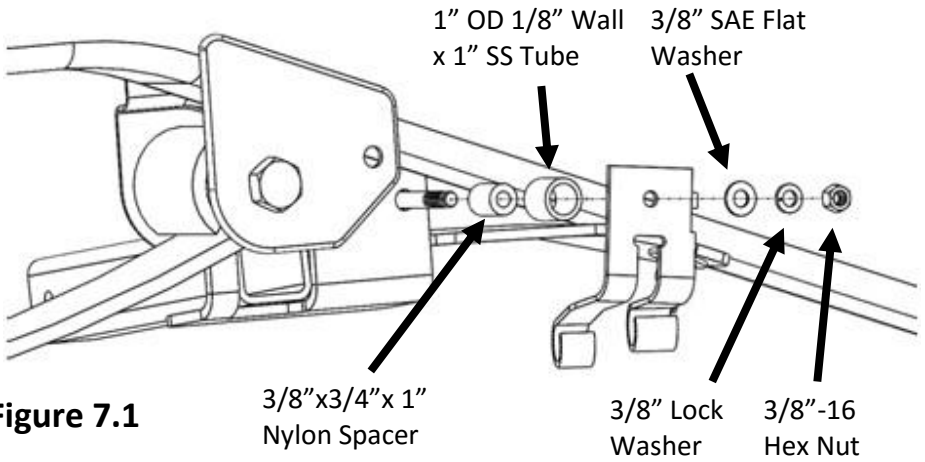
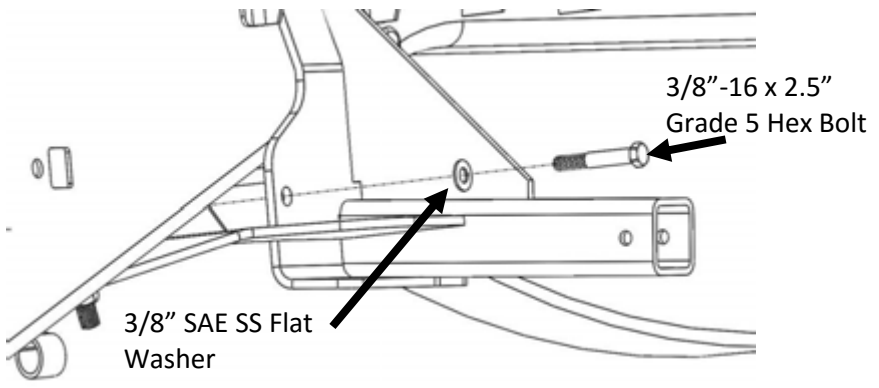


Figure 7.1

Step 8

Install the front inserts with the welded plate offset towards the rear of the vehicle, this provides clearance to open the doors with the turnbuckles installed.

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.