

# **TORKLIFT** **INTERNATIONAL**

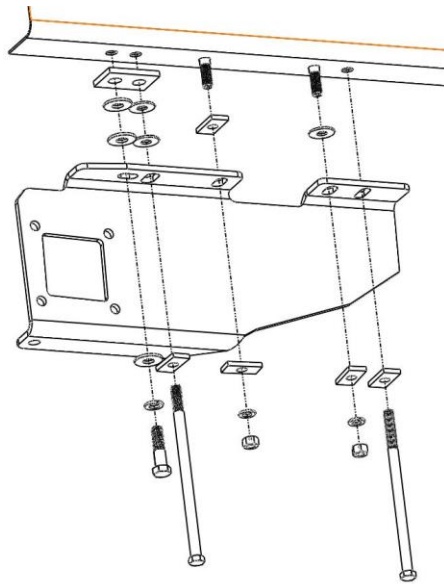
**OVER 35 YEARS OF INNOVATION, QUALITY, SAFETY.**

## **TRUE FRAME MOUNTED CAMPER TIE DOWNS**

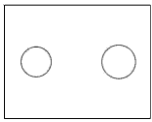


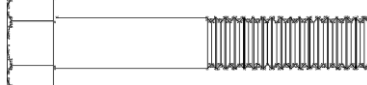


**A7913**

**IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS**

**C1205, C1205M Shim Kit**



## C1205, C1205M SHIM KIT HARDWARE LIST

	Upper Shim (2" x 2.5")	2
	1/2" Serrated Flange Nut	2
	1/2" USS Flat Washer	6
	M14 - 2.0 x 60mm Hex Bolt	2
	1" x 2" Plate Washer	2
	9/16" USS Flat Washer	4

## C1205 Installation

(Skip to page 5 for C1205M Instructions)

### STEP 1:

Loosen but do not remove all ten bolts holding the C1205 SuperHitch side plates to the vehicle frame. The bolts towards the rear of the vehicle will need to be loosened to create a 3/4" gap between the top of the side plate and the frame. For safety reasons, only one side plate will be shimmed at a time. Refer to Diagram 3.1 for C1205 shim kit Installation.

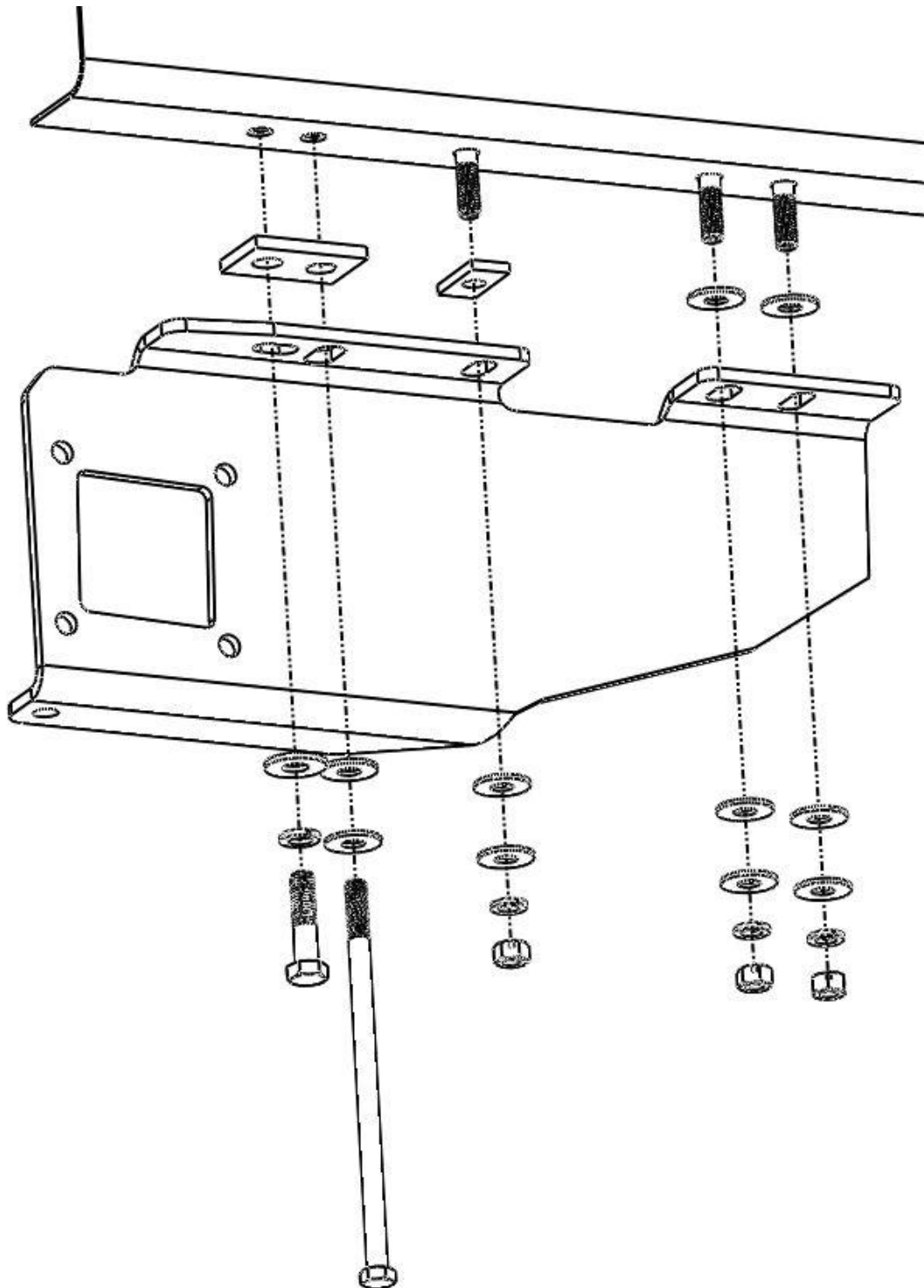
### STEP 2:

Starting at the rear of the vehicle on the passenger side, remove the 1/2"-13 x 10" Grade 8 hex bolt, and the adjacent M14-2.0x40mm hex bolt and set aside. Leave the remaining three bolts installed but loose in order to support the hitch. Install one **upper shim** between the hitch side plate and vehicle frame. It may be necessary to slightly loosen the remaining two bolts in order to create a large enough gap to install the shim.

**STEP 3:**

Loosely install the M14 x 60mm Class 8.8 bolt with one 9/16" USS Flat Washer and one 9/16" Lock Washer into the rear most hole of the SuperHitch plate, and into the vehicle frame. Reinstall the 1/2"-13 x 10" Grade 8 bolt with two 1/2" USS Flat Washers into the second hole from the rear of the SuperHitch plate. The 1/2-13 x 10" bolt will be run through the previously installed 7-1/4" tube and plate washers (if applicable). Secure the top of the 1/2"-13 x 10" Grade 8 bolt with one 1/2" USS Flat Washer, one 1/2" Lock Washer, and one 1/2"-13 Grade 8 Hex Nut.

**Figure 3.1**



**STEP 4:**

Next, remove the center 1/2"-13 x 2" hex bolt from the center hole in the side plate. Install one 1"x 2" Plate Washer in between the SuperHitch Side Plate and the Frame. Reinstall the 1/2"-13 x 2" bolt and 1" x 2" plate washer through the inside of the frame and out through the SuperHitch Side Plate. Secure the bottom of the bolt with two 1/2" USS Flat Washers, one 1/2" lock washer, and one 1/2"-13 Grade 8 Hex Nut.

**STEP 5:**

Remove the last two hex bolts in the side plate closest to the front of the vehicle. Place one 1/2" USS Flat Washer between the SuperHitch Side Plate and frame for each of the two holes. Reinstall the 1/2"-13 x 2" Grade 8 Bolts and 1" x 2" Plate Washers through the inside of the frame and out through the SuperHitch Side Plate. Secure each bolt with two 1/2" USS Flat Washers, one 1/2" Lock Washer, and one 1/2" Grade 8 Hex Nut.

**STEP 6:**

Repeat steps 2-5 for the other side plate. All hardware will remain loose until both side plates have been shimmed.

**STEP 7:**

Starting from the rear of the vehicle and alternating sides, re-torque all of the mounting hardware as detailed in the table below.

<b>M14 - 2.00 x 60mm Hex bolts</b>	<b>90 ft-lbs</b>
<b>1/2" - 13 Hex Bolts</b>	<b>90 ft-lbs</b>

# C1205M Installation

## **STEP 1:**

Loosen but do not remove all ten bolts holding the C1205M SuperHitch side plates to the vehicle frame. The bolts towards the rear of the vehicle will need to be loosened to create a 3/4" gap between the top of the side plate and the frame. For safety reasons, only one side plate will be shimmed at a time. Refer to figure 6.1

## **STEP 2:**

Starting at the rear of the vehicle on the passenger side, remove the 1/2"-13 x 10" Grade 8 hex bolt, and the adjacent M14-2.0x40mm hex bolt and set aside. Leave the remaining three bolts installed but loose in order to support the hitch. Install one **upper shim** between the hitch side plate and vehicle frame. It may be necessary to slightly loosen the remaining three bolts in order to create a large enough gap to install the shim. For each of the two holes, place one 1/2" USS Flat Washer between the SuperHitch Side Plate and the upper shim.

## **STEP 3:**

Loosely install the M14 x 60mm Class 8.8 bolt with one 9/16" USS Flat Washer and one 9/16" Lock Washer into the rear most hole of the SuperHitch plate, and into the vehicle frame. Reinstall the 1/2"-13 x 10" Grade 8 bolt with one 1" x 2" Plate Washer into the second hole from the rear of the SuperHitch plate. The 1/2"-13 x 10" bolt will be run through the previously installed 7-1/4" tube and plate washers (if applicable). Secure the top of the 1/2"-13 x 10" Grade 8 bolt with one 1/2" Serrated Flange Nut (supplied in this kit).

## **STEP 4:**

Next, remove the center 1/2"-13 x 2" hex bolt from the center hole in the side plate. Install one 1" x 2" Plate Washer in between the SuperHitch Side Plate and the Frame. Reinstall the 1/2"-13 x 2" bolt and 1" x 2" plate washer through the inside of the frame and out through the SuperHitch Side Plate. Secure the bottom of the bolt with one 1" x 2" Plate Washer, one 1/2" lock washer, and one 1/2"-13 Grade 8 Hex Nut.

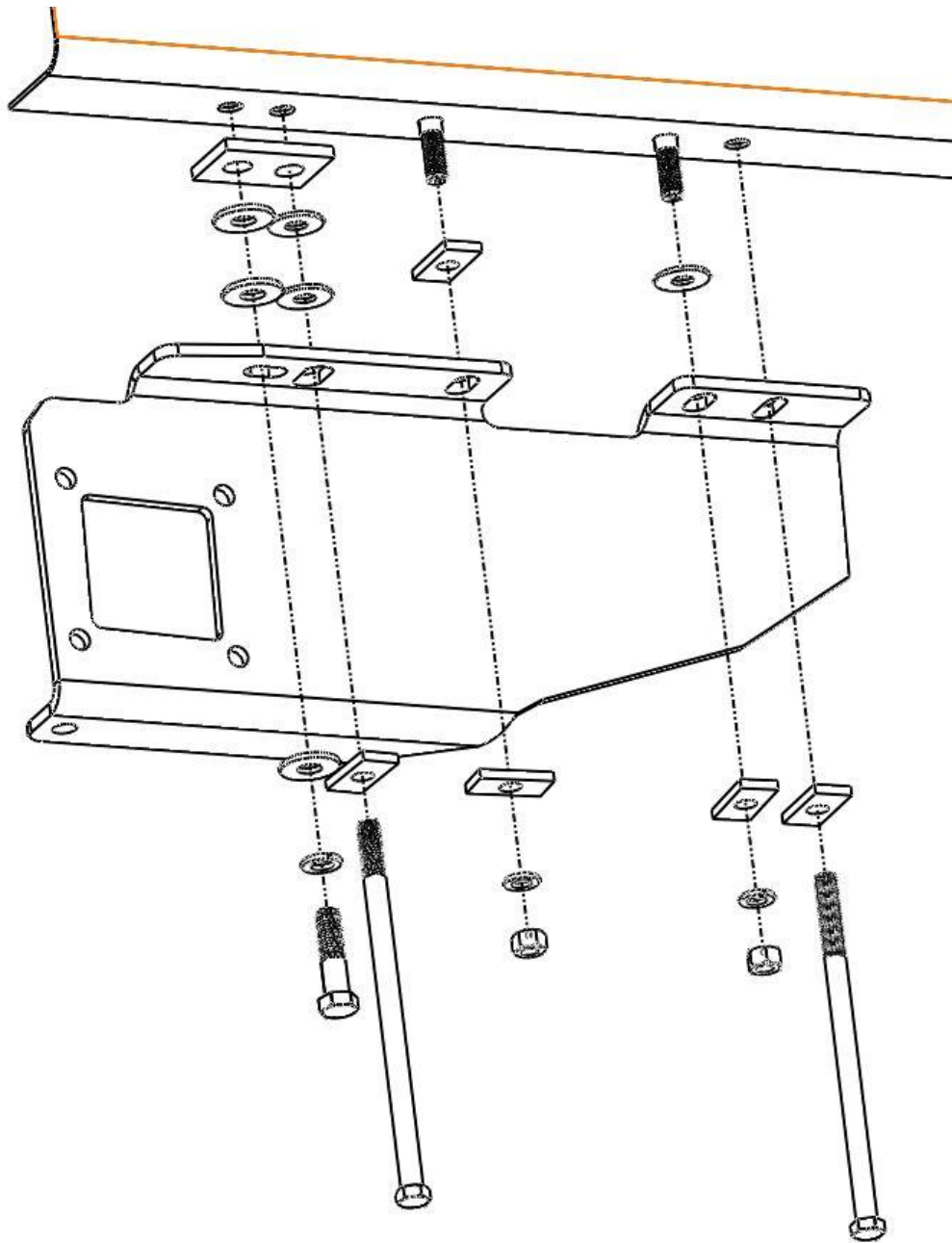
## **STEP 5:**

Remove the second most forward bolt in the side plate. Place one 1/2" USS Flat Washer between the SuperHitch Side Plate and frame. Reinstall the 1/2"-13 x 2" Grade 8 Bolt and one 1" x 2" Plate Washer through the inside of the frame and out through the SuperHitch Side Plate. Secure the bolt with one 1" x 2" Plate washer, one 1/2" Lock Washer, and one 1/2" Grade 8 Hex Nut.

## **STEP 6:**

Repeat steps 2-5 for the other side plate. All hardware will remain loose until both side plates have been shimmed.

**Figure 6.1**



**STEP 7:**

Starting from the rear of the vehicle and alternating sides, re-torque all of the mounting hardware as detailed in the table below.

<b>M14 - 2.00 x 60mm Hex bolts</b>	<b>90 ft-lbs</b>
<b>M12 - 1.75x 240mm Hex bolts</b>	<b>60 ft-lbs</b>
<b>1/2" - 13 Hex Bolts</b>	<b>90 ft-lbs</b>