

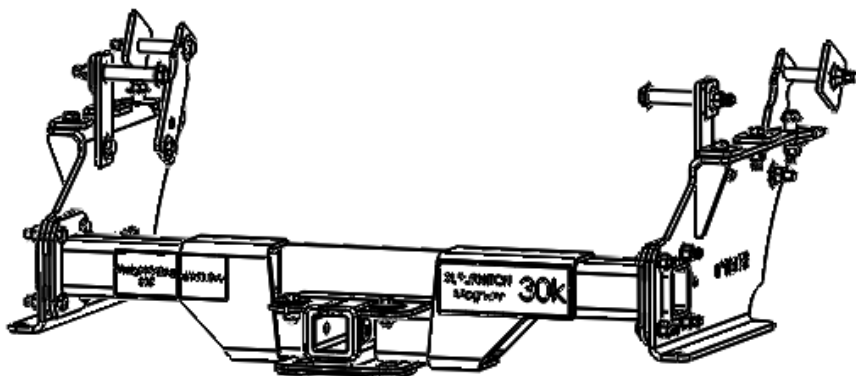


OVER 35 YEARS OF INNOVATION, QUALITY, SAFETY.

**- SUPER HITCH -
SUPER TRUSS EXTENSION**

IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS

D1109-30



Version 3 - 7/26/2019 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

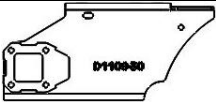
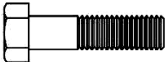
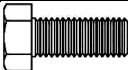
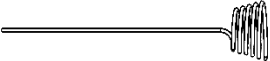
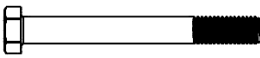
Weight Distribution

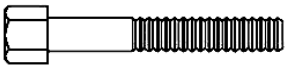
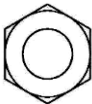
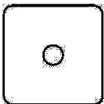
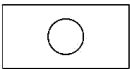
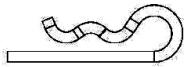
30,000 lbs maximum pull weight
3,000 lbs maximum tongue weight.

Warning

Do not exceed the factory weight ratings of
your vehicle

Parts Inventory

Image	Description	Qty	Item#
	Driver Side Plate	1	D1109-30-W1-D
	Passenger Side Plate	1	D1107-30-W1-P
	Single Receiver Cross Tube	1	SH-30K-Ct-A7
	2" x 2" Factory Receiver Adapter	1	SH-ADPTSLV-A
	1/2" Star Washer	6	4566
	1/2" x 2-1/2" Hex Bolt	2	9887
	1/2" x 1-1/4" Grade 5 Hex Bolt	2	7321
	1/2" x 2" Grade 8 Bolt	16	3659
	1/2" Hex Nuts	20	1751
	1/2" USS Flat Washer Grade 5	32	6039
	1/2" Lock Washer	20	9302
	1/2" Bolt Fisher	1	3818
	1/2" Serrated Flange Nut	2	7181
	1/2" x 2" HD Fender Washer	2	4623
	1/2" x 4-1/2" Hex Bolt Grade 8	2	10155

	M14-2.0 x 130MM Class 10.9 Bolt	2	11072
	M14-2.0 Class 10.9 Hex Nut	2	10366
	9/16" Lock Washer	2	4071
	3"(8cm) x 3"(8cm) Plate Washer	2	TL-HW-PW- P19
	1"(2cm) x 2"(5cm) Plate Washer	2	10859
	2" x 2" Square Plate Washer	6	TL-HW-PW-P7
	No Drill Strap	2	SH-SS-P2
	Two Hole Side Strap	2	SS-SS-P6
	2"(5cm) x 2"(5cm) Large Hole Plate Washer	2	TL-HW-PW- P18
	5/8" Hitch Pin	2	3707
	Hitch Pin Clip	2	3707
	2" x 8-1/4" UHMW Strip	1	Shear-11683- 8.25
	1/2" x 2" x 1/16" Fender Washer	2	12461

INSTALLATION INSTRUCTIONS

WITH FACTORY INSTALLED RECEIVER HITCH

!WARNING!

DO NOT LUBRICATE THREADS, BOLT FAILURE MAY OCCUR DUE TO OVERTIGHTENING. DO NOT DRILL ON THIS HITCH.

THIS PRODUCT IS NOT RECOMMENDED FOR USE ON A 1/2 TON VEHICLE.

DO NOT REMOVE FACTORY HITCH!!!

!WARNING!

It is VERY IMPORTANT that you read and follow the installation instructions on this particular installation. Be sure to identify and familiarize yourself with the hitch and all hardware. Any modification to this hitch will VOID your warranty!!!

SIDE PLATE INSTALLATION

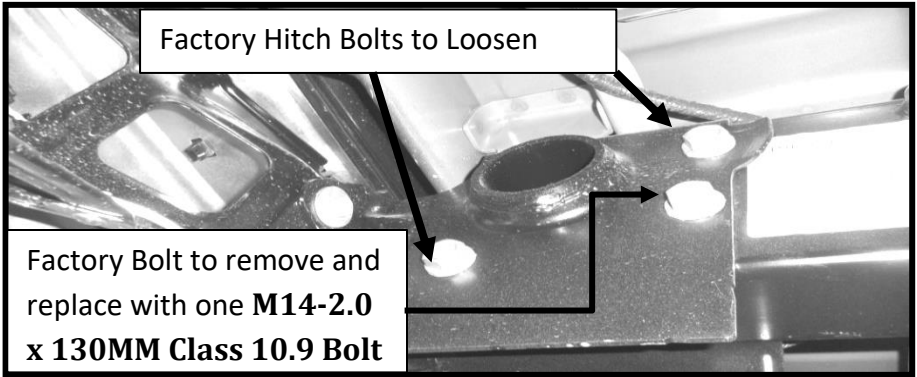
Step 1

- Temporarily remove spare tire, then remove the two screws holding the heat shield in place on the passenger side frame rail.

Step 2

- Loosen the top and bottom bolts holding the factory hitch to the side of the frame. Remove the center bolt and replace it with one **M14-2.0 x 130MM Class 10.9 Bolt** (this will be used in step 15). See photo 2.1.

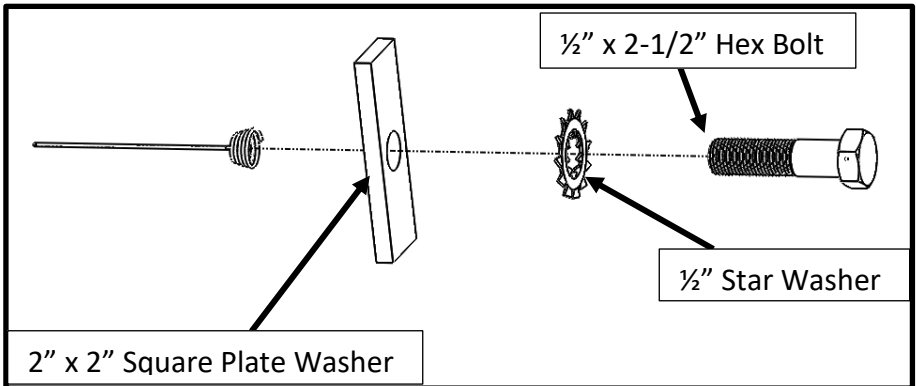
Photo 2.1



Step 3

- Begin installation on passenger side. Attach one **1/2" x 2-1/2" Hex Bolt**, one **1/2" Star Washer**, and one **2" x 2" Square Plate Washer** to the **1/2" Bolt Fisher**. See figure 3.1

Figure 3.1



Step 4

- Insert the **1/2" Bolt Fisher** with fasteners through the gap in the rear of the truck frame and out through the third hole from the rear of the frame. Remove the **1/2" Bolt Fisher** for use on the next bolt. See photo 4.1 and 4.2.

Photo 4.1

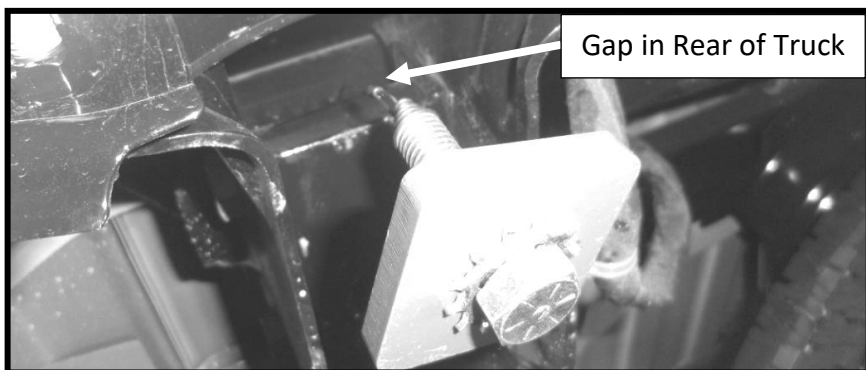
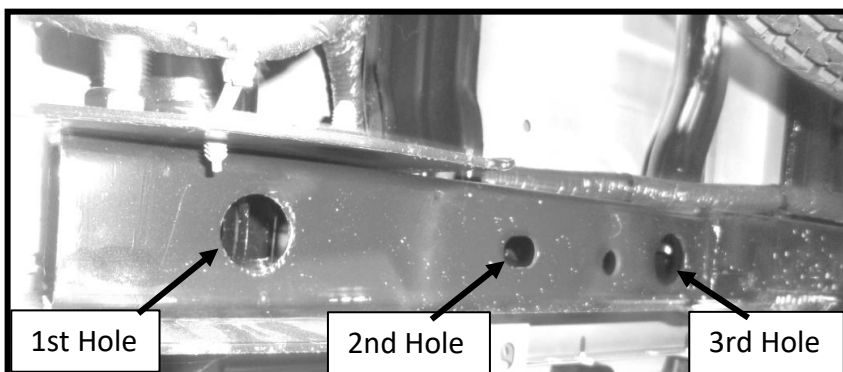


Photo 4.2



Step 5

- Attach one **1/2" x 2" Hex Bolt**, one **1/2" Star Washer**, and one **1" x 2" Plate Washer** to the **1/2" Bolt Fisher**.

Step 6

- Insert the **1/2" Bolt Fisher** with attached hardware through the gap in the rear of the truck frame and out through the second hole from the rear of the frame. Carefully remove the **1/2" Bolt Fisher** for use on the next bolt.

Step 7

- Attach one **1/2" x 2" Hex Bolt**, one **1/2" Star Washer**, and one **2" x 2" Square Plate Washer** to the **1/2" Bolt Fisher**.

Step 8

- Insert the **1/2" Bolt Fisher** with attached hardware through the gap in the rear of the truck frame and out through the first hole from the rear of the frame. Carefully remove the **1/2" Bolt Fisher** for use on the driver side. See photo 4.1 and 4.2.

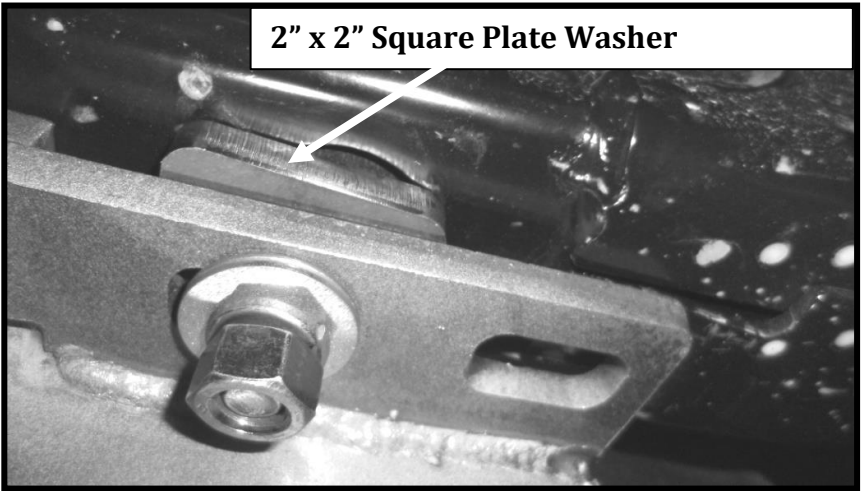
Step 9

- Place one **2" x 2" Square Plate Washer** over the last bolt fished through the frame. While holding the **2" x 2" Square Plate Washer**, proceed to step 10.

Step 10

- Align the passenger **Side Plate** holes for the **Crosstube** with the three bolts now hanging out of the truck frame. Lift the plate up so the three bolts hanging from the frame pass through the slots in the **Side Plate**. This will secure the **2" x 2" Square Plate Washer**. See photo 10.1.

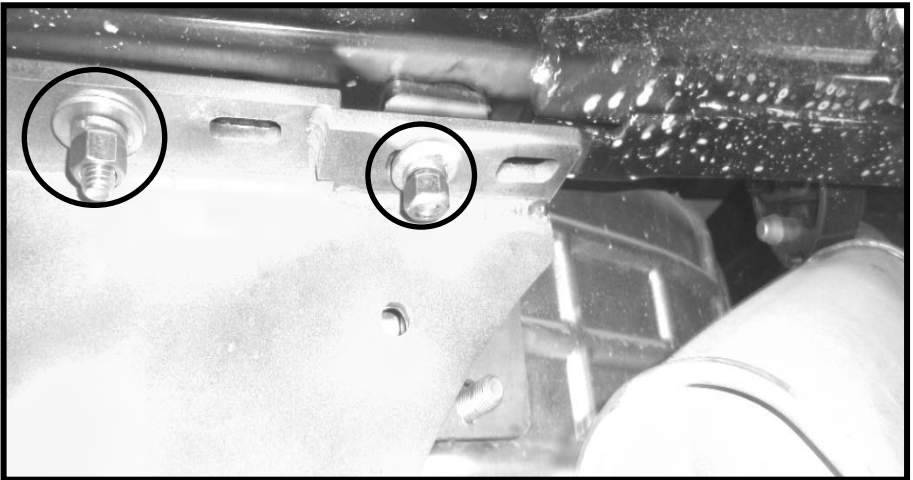
Photo 10.1



Step 11

- While holding the **Side Plate** in place, put two **1/2" Flat Washers** followed by one **1/2" Lock Washer** and one **1/2" Hex Nut** onto each bolt. Loosely thread the nuts onto the bolts for final **Side Plate** adjustments. See photo 11.1.

Photo 11.1



Step 12

- Next, attach the **Large Center Hole Plate Washer** hole on the **Two Hole Side Strap** over the welded nut on the factory hitch. Align the lower hole with the slot located in the factory hitch below.

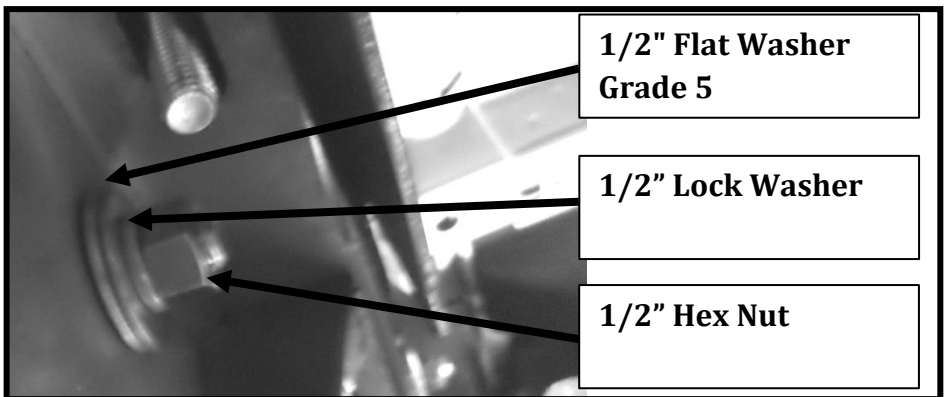
Step 13

- Insert one **1/2" x 2" Hex Bolt** with one **1/2" Flat Washer** through the **Two Hole Side Strap**, the slotted factory hole, and the Super Hitch **Side Plate**. See photo 14.1.

Step 14

- Secure this **1/2" x 2" Hex Bolt** and 1/2" USS Flat Washer Grade 5, with two **1/2" Flat Washers** followed by one **1/2" Lock Washer** and one **1/2" Hex Nut**. Leave nuts loose for final adjustment. See photo 14.1.

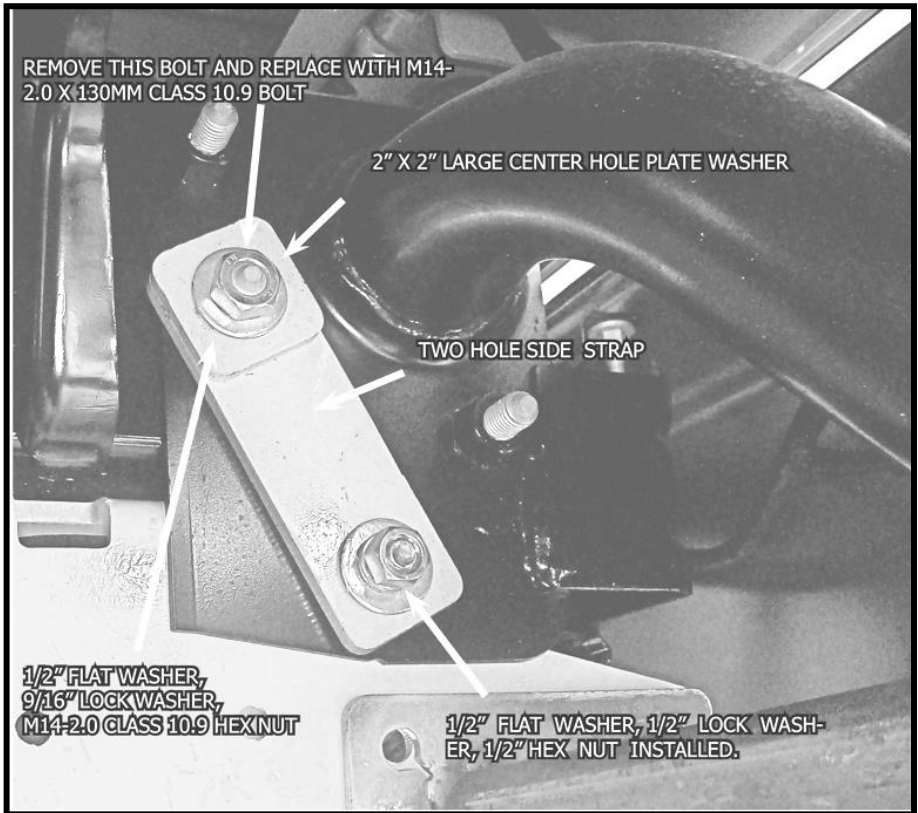
Photo 14.1



Step 15

- Lightly secure the **M14-2.0 x 130MM Class 10.9 Bolt** installed in step 2 with one **2" x 2" Large Center Hole Plate Washer**, followed by one **1/2" Flat Washer**, one **9/16" Lock Washer**, and one **M14-2.0 Class 10.9 Hex Nut**. See photo 15.1.

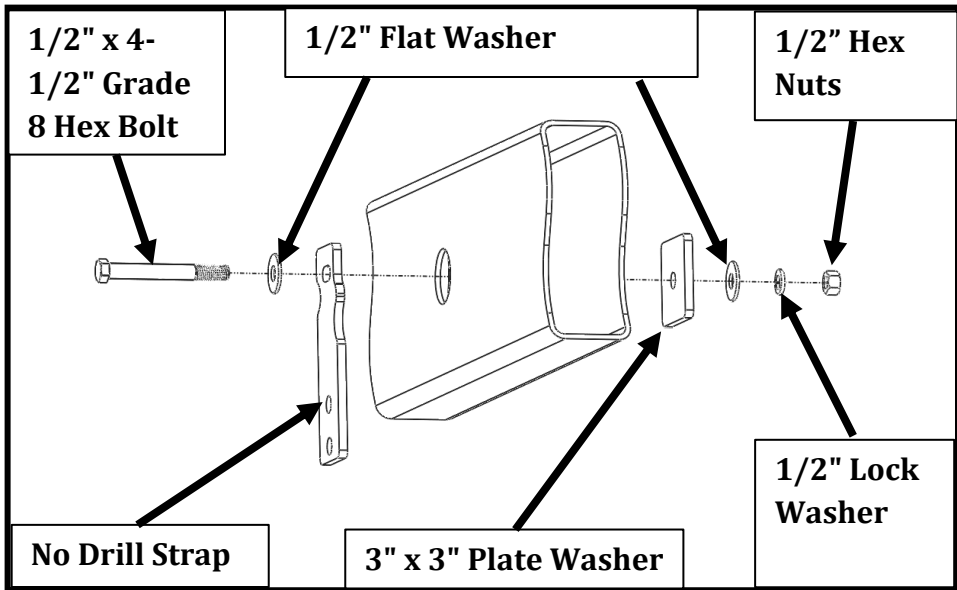
Photo 15.1



Step 16

- The **No Drill Strap** will be installed between the frame and the spare tire shield. To Install the **No Drill Strap**, align the slotted hole with the hole in the truck frame above the front of the **Side Plate**. Use one **1/2" x 4-1/2" Hex Bolt** with one **1/2" Flat Washer** and run it through the **No Drill Strap** and out the other side of the frame. See figure 16.1.

Figure 16.1



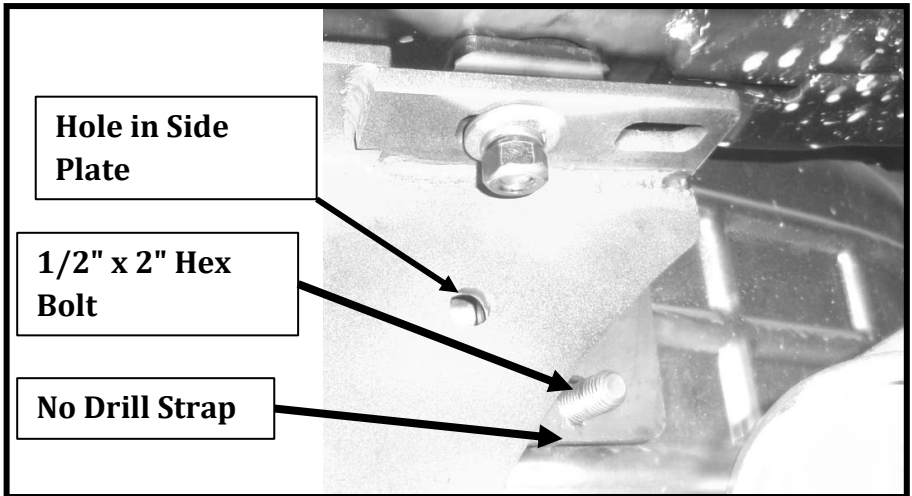
Step 17

- Secure the **1/2" x 4-1/2" Hex Bolt** holding the **No Drill Strap** in place with one **3" x 3" Plate Washer**, followed by one **1/2" Flat Washer**, one **1/2" Lock Washer**, and one **1/2" Hex Nuts**, hand tighten. See figure 16.1.

Step 18

- Attach the **No Drill Strap** to the **Side Plate**. Align the hole at the front of the **Side Plate** with one of the two lower holes located on the **No Drill Strap**. Place one **1/2" x 2" Hex Bolt** with one **1/2" Flat Washer** through the **No Drill Strap** and out through the hole in the **Side Plate**. See photo 18.1.

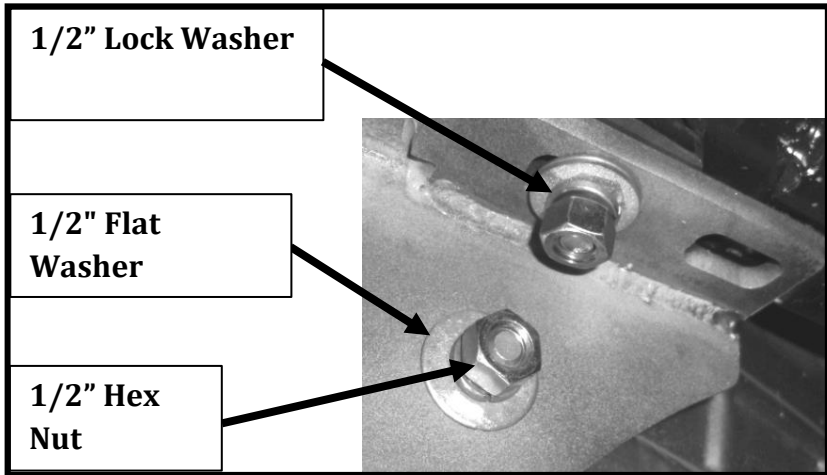
Photo 18.1



Step 19

- Secure the **1/2" x 2" Hex Bolt** with two **1/2" Flat Washer**, one **1/2" Lock Washer**, and one **1/2" Hex Nut**, hand tighten. See photo 20.1.

Photo 20.1



Step 20

- Repeat steps 3 through 21 for installation of the Driver Side Plate.

SINGLE RECEIVER CROSS TUBE INSTALLATION

Step 21

- With both **Side Plates** loosely installed, take the **Single Receiver Cross Tube** and place the ends of the **Single Receiver Cross Tube** through the square cut outs in each **Side Plate**.

Step 22

- With the **Single Receiver Cross Tube** held in the square holes in the **Side Plates**, install two **1/2" x 2" Hex Bolt** through both ends of the **Single Receiver Cross Tube** and out through the

Side Plates. Use the holes farthest towards the rear of the vehicle.

*Note: Do not use an impact tool to draw in the **1/2" x 2" Hex Bolt** as they may end up spinning. Use a mallet to get the **1/2" x 2" Hex Bolt** in place. Make sure to install the **1/2" x 2" Hex Bolt** with the threads pointing towards the outside of the vehicle.*

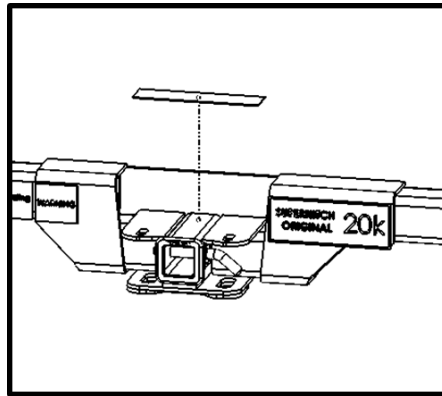
Step 23

- Lightly secure the four **1/2" x 2" Hex Bolt** with one **1/2" Lock Washer** and one **1/2" Hex Nut** on each bolt. Hand tighten each nut.

Step 24

- For trucks of model year 2018 or newer, skip to Step 25.
- For proper spacing between the factory receiver and Super Hitch receiver on 2017 or older trucks, a spacer will need to be installed on the Super Hitch Cross Tube.
- Using a damp cloth, wipe down the top of the Super Hitch receiver tube and adjacent plates to remove any dust or debris. Dry the surfaces before proceeding.
- Remove the backing from the **2" x 8-1/4" UHMW Strip** and apply it to the top of the Super Hitch Receiver as shown in figure 10.1. Press firmly on the UHMW to ensure a proper bond. See Figure 24.1

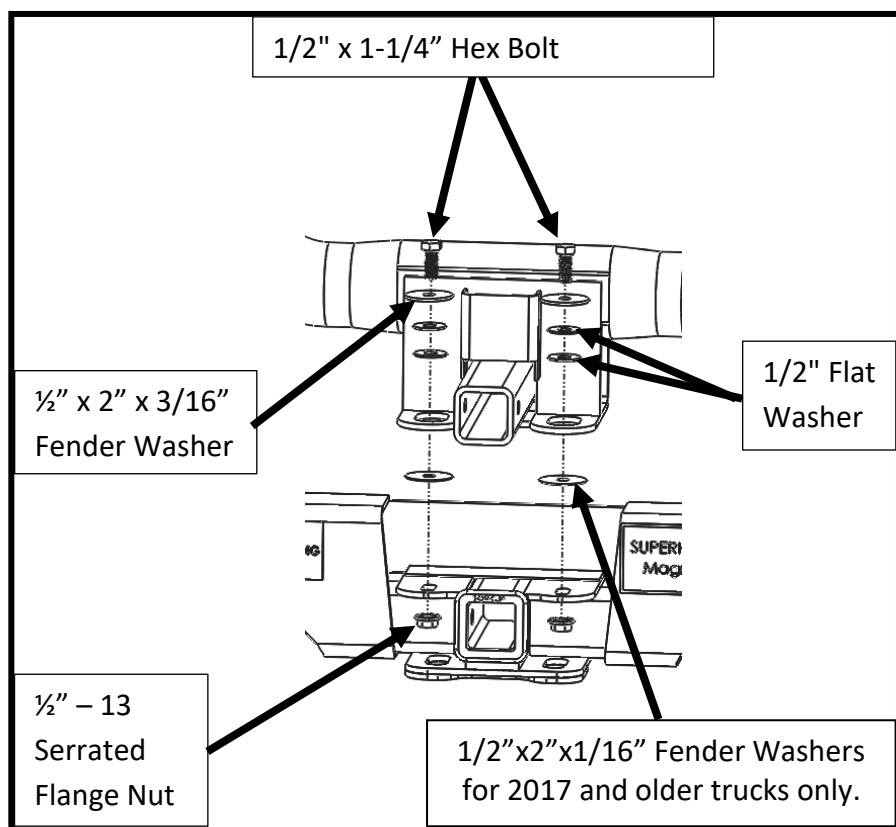
Figure 24.1



Step 25

- For 2017 or older trucks only, insert a **1/2"x2" Fender Washer** between the **factory hitch chain plate** and the **Super Hitch Cross tube** on either side of the receiver. Align the washers with the **slotted holes** in the top of the Super Hitch Cross Tube. See Figure 12.1.
- Place one **1/2"x2" Thick Fender Washer** and two **1/2" Flat Washers** onto the threads of a **1/2"x1-1/2" Hex Bolt**.
- Insert the bolts with washers through the two large holes in the top of the **factory chain plate** and through the slotted holes in the **Super Hitch Cross Tube**.
- Secure each bolt with one **1/2"-13 Serrated Flange Nut**. Leave the hardware loose. See Figure 25.1.

Figure 25.1



Step 26

- To secure the **1/2" x 1-1/4" Bolts** use one **1/2" Serrated Flange Nut** on each bolt and Hand tighten. See figure 24.1.

Step 27

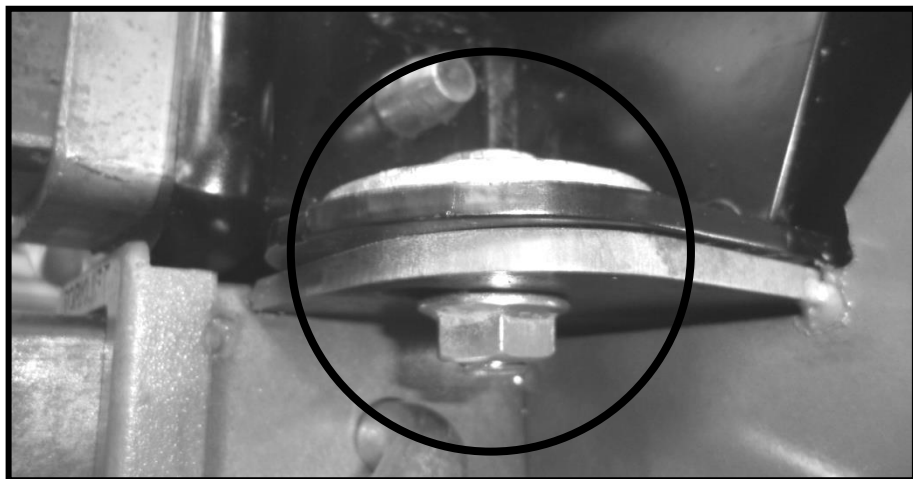
- Before tightening down the **1/2" x 1-1/4" Hex Bolts** holding the **Single Receiver Cross Tube** to the Factory Hitch, make sure the two hitch pin holes are aligned vertically, and the face plate of the **Single Receiver Cross Tube** is aligned horizontally with the Factory Hitch Receiver Face.

*Note: On some Dodge Factory Hitches, it may be necessary to grind the bottom of the Factory Hitch Receiver so it has a flush fit against the **Single Receiver Cross Tube**.*

Step 28

- Tighten the **1/2" x 1-1/4" Hex Bolts** to **55 ft-lbs(74Nm)**. See photo 27.1 for reference.

Photo 28.1



Step 29

- With the **Single Receiver Cross Tube** secured to the Factory Hitch, install the remaining four **1/2" x 2" Hex Bolts** through the **Single Receiver Cross Tube** and out through the **Side Plates**.

Step 30

- Secure these **1/2" x 2" Hex Bolt** with one **1/2" Lock Washer** and one **1/2" Hex Nuts** on each.

TIGHTENING HARDWARE

Step 31

- Torque all eight **1/2" x 2" Hex Bolt** to **75 ft-lbs(101nm)**.
- Torque all **Side Plate Bolts** to **75 ft-lbs(101nm)**.
- Torque the **1/2" x 4-1/2" Hex Bolts** to **30 ft-lbs(40nm)**.
- Torque the Factory Hitch bolts and M14 Bolts to **60 ft-lbs(81nm)**.

!Warning!

Exceeding this Torque rating may result in a deformation of the factory frame.

CLEAN UP

Step 32

- With the **Super Hitch** Installed, hold the Spare Tire shield against the frame and reinstall the screws removed in step 1. Last, reinstall the spare tire. Angle the tire up towards hitch when cranking.

SUPERHITCH INSTALLATION COMPLETED!

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 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 N. Railroad Ave. 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.

322 N. Railroad Ave. 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 N Railroad Ave. Kent, WA 98032



OFFICIAL WARRANTY REGISTRATION CARD

PLEASE FILL OUT THIS FORM COMPLETELY AND RETURN TO TORKLIFT WITHIN

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: _____

30 DAYS OF PURCHASE ACCOMPANIED BY A COPY OF YOUR ORIGINAL RECEIPT