



OVER 35 YEARS OF INNOVATION, QUALITY, SAFETY.

IMPORTANT OWNER-OPERATOR INSTALLATION INSTRUCTIONS

S9520/FG-45-G/GRAY S9521/FG-45-W/WHITE
S9522/FG-LR-G/GRAY S9523/FG-LR-W/WHITE
S9526/FG-LR-SS/POLISHED S9527/FG-45-SS/POLISHED
S9529/FG-LR-B/BLACK S9530/FG-LR-BW/BRIGHT WHITE

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.

FASTGUN PARTS INVENTORY

2 - [FASTGUN TURNBUCKLE](#)
2 - 1/2" THREADED HOOK BOLT
2 - 1/2" SQUARE NUT
2 - 1/2" SAFETY NYLOCK NUT
2 - FLAT O-RING

2 - NYLON CAP
2 - 5/16" QUICK LINK
2 - LOCK PIN
2 - ROUND O-RING

WARNING!!! DO NOT USE THE FASTGUN IN CONJUNCTION WITH EXISTING SPRINGLOADED UNITS. THE FASTGUN HAS AN INTERNAL SPRING AND DOING SO WOULD RESULT IN TOO MUCH POTENTIAL TRAVEL ON YOUR TIEDOWN/TURNBUCKLE SETUP.

INSTALLATION INSTRUCTIONS

ASSEMBLY:

Take a measurement from your camper tie downs to the camper anchor points. Temporarily insert the threaded hook bolt into the FastGun body. **NOTE: If threaded rods are too long for your particular application, simply cut the rods with a hacksaw and bevel the sharp edges at 45 degrees.**

Step 1-

Open the lever on the FASTGUN TURNBUCKLE and insert the 1/2" THREADED HOOK BOLT from the bottom of the FASTGUN TURNBUCKLE body until it extends through the breech. **(Photo 1.1 & 1.2)**

Step 2-

Thread one 1/2" SQUARE NUT on to the 1/2" THREADED HOOK BOLT, then install one FLAT O-RING onto the threads and the 1/2" SAFETY NYLOCK NUT making sure that the threads completely go through the 1/2" SAFETY NYLOCK NUT. The 1/2" SAFETY NYLOCK NUT can be held by closing the lever down and pinching the nut and the FLAT O-RING can be held with needle nose pliers. **(Photo 2.1, 2.2 & 2.3)**

NOTE: The purpose of the 1/2" NYLOCK NUT is simply to keep the 1/2" SQUARE NUT from coming off of the 1/2" THREADED ROD. Do not "lock" the 1/2" SQUARE NUT against the 1/2" NYLOCK NUT. The 1/2" SQUARE NUT must be able to travel up and down the 1/2" THREADED HOOK BOLT for adjustment.

Step 3-

Pull the 1/2" THREADED HOOK BOLT with nuts into the FASTGUN TURNBUCKLE and install the NYLON CAP onto the tube inside of the breech. **(Photo 3.1 & 3.2)**

NOTE: You can use a screwdriver or similar to help push the NYLON CAP into place. It is normal for the threaded rod to move freely in the FASTGUN TURNBUCKLE body when not in use.

Step 4-

Install the ROUND O-RING onto the 1/2" THREADED HOOK BOLT at the bottom of the FASTGUN TURNBUCKLE.

Step 5-

Repeat steps 1-4 for each FastGun.

INSTALLATION

Step 6-

Hang the FASTGUN TURNBUCKLE upper hook from the camper anchor point.

Step 7-

With the handle on the FASTGUN TURNBUCKLE in closed position, the 1/2" THREADED HOOK BOLT should be positioned and adjusted until the bottom of the 1/2" THREADED HOOK BOLT is approximately 1/2" above the tie down insert. **(Photo 7.1)**

NOTE: In some applications, you may find that the 1/2" THREADED HOOK BOLT does not easily insert into the hole on either the camper or the tie down. You can use the supplied 5/16" QUICK LINK to attach to the FASTGUN TURNBUCKLE in order to bypass any difficulty.

Step 8-

Open the handle on the FASTGUN TURNBUCKLE and insert the 1/2" THREADED HOOK BOLT into the tie down insert anchor point.

NOTE: You can check for correct spring tension by pulling the lever handle down until you begin to feel spring tension. The hole for the snap pin should be about 1/2 blocked.

Step 9-

The ROUND O-RING is only used as a gauge to set your spring tension. Adjust the ROUND O-RING up against the bottom of the FASTGUN TURNBUCKLE **(Photo 9.1)** before locking the handle down. Locking the handle down should result in the ROUND O-RING being spaced approximately 1/4" (0.635 cm) below the body of the FASTGUN TURNBUCKLE. **(Photo 9.2)**

NOTE: Removing the bottom hook bolt and applying a graphite lubricant into the bottom of the FastGun opening can resolve any squeaking noises from the Fast Gun when in use. If a graphite lubricant is not readily available, WD-40 or a silicon lubricant can be used as a substitute.

INSTALLATION PICTURES

PHOTO 1.1



PHOTO 1.2

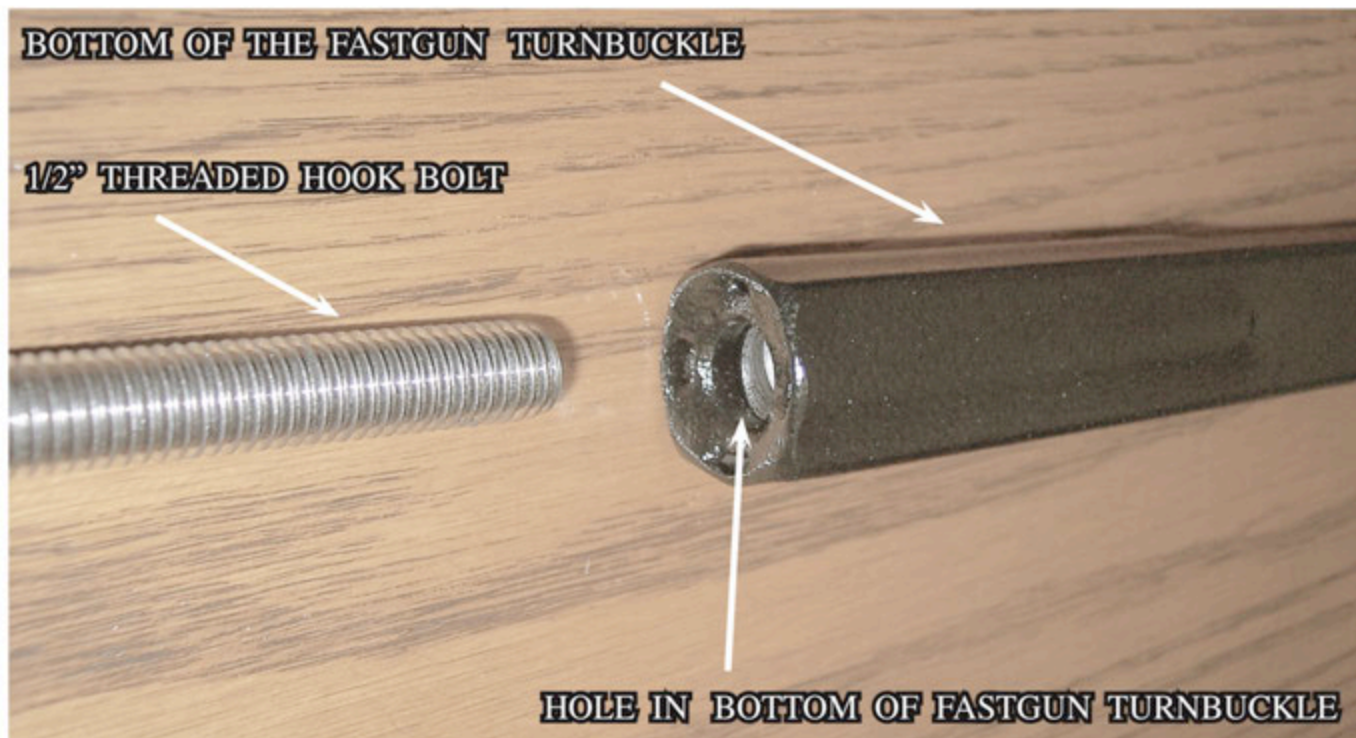


PHOTO 2.1

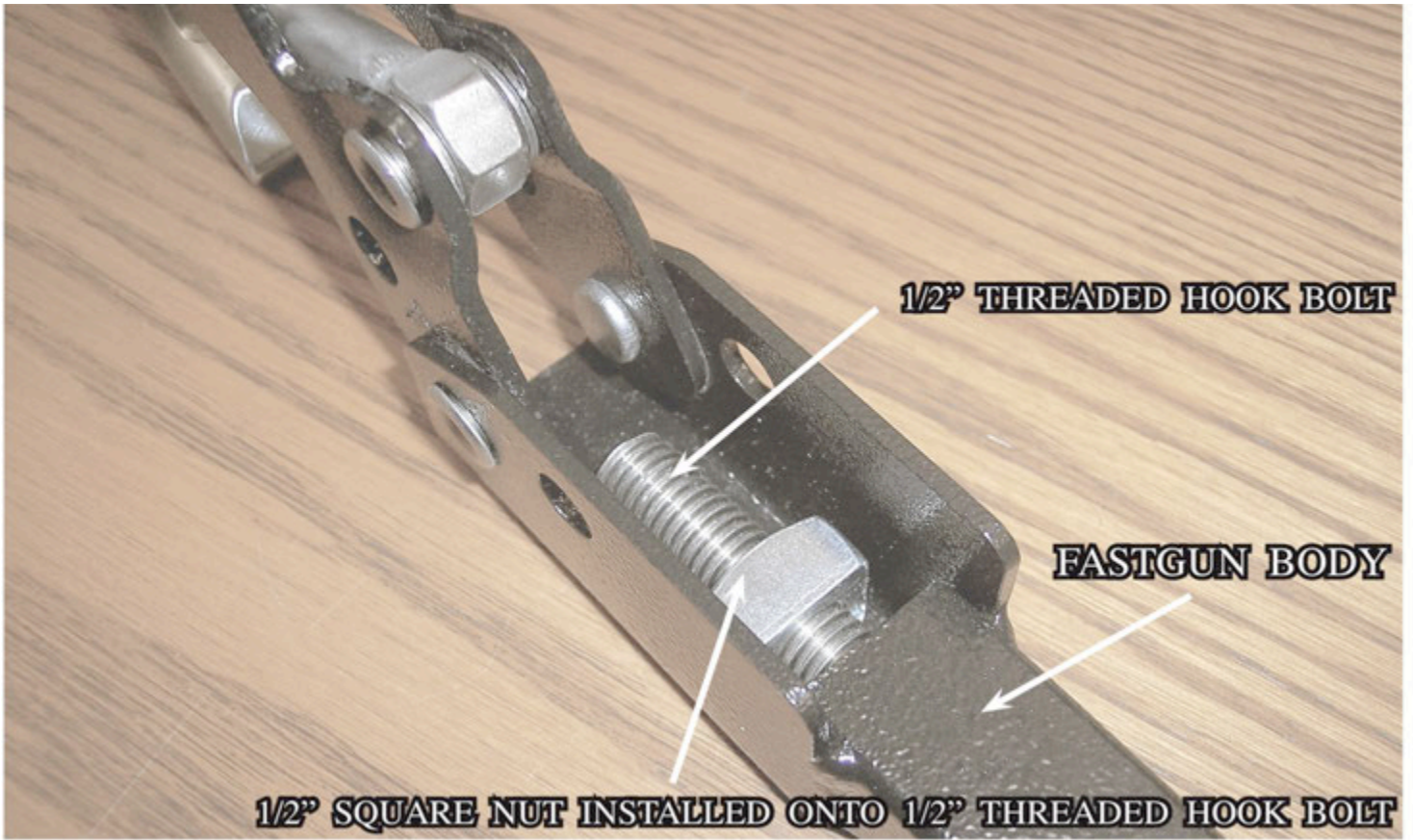


PHOTO 2.2

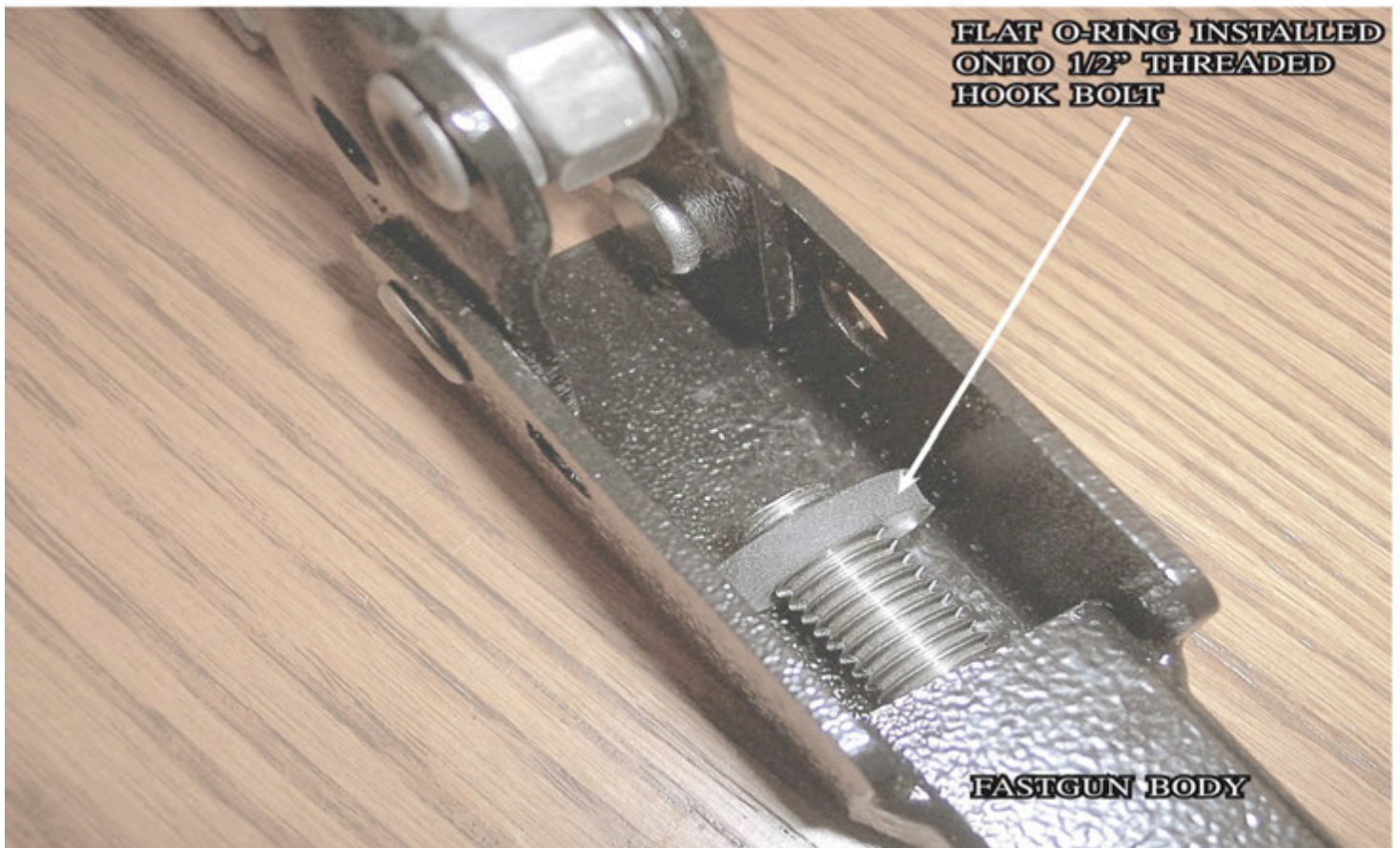


PHOTO 2.3

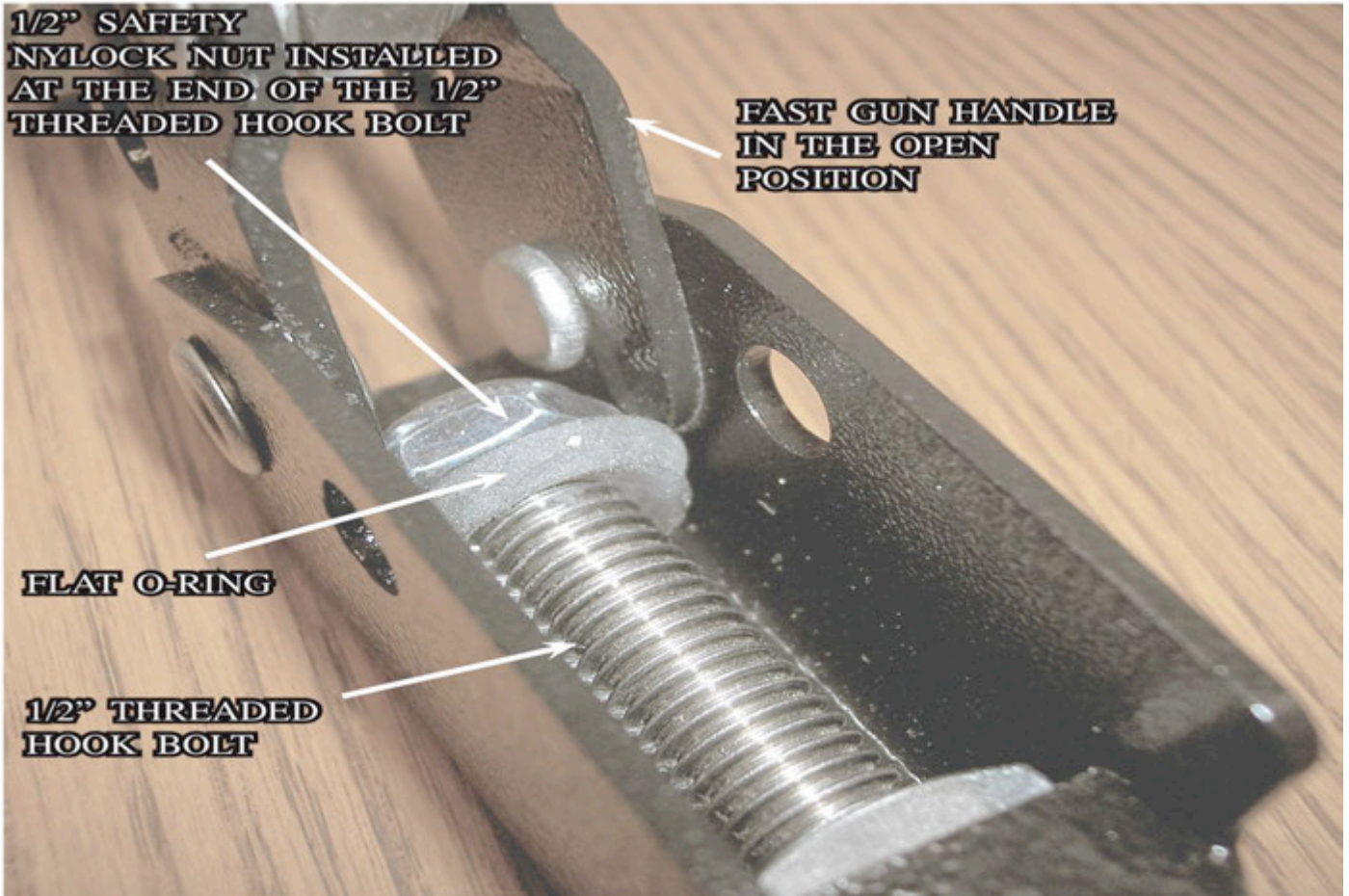


PHOTO 3.1

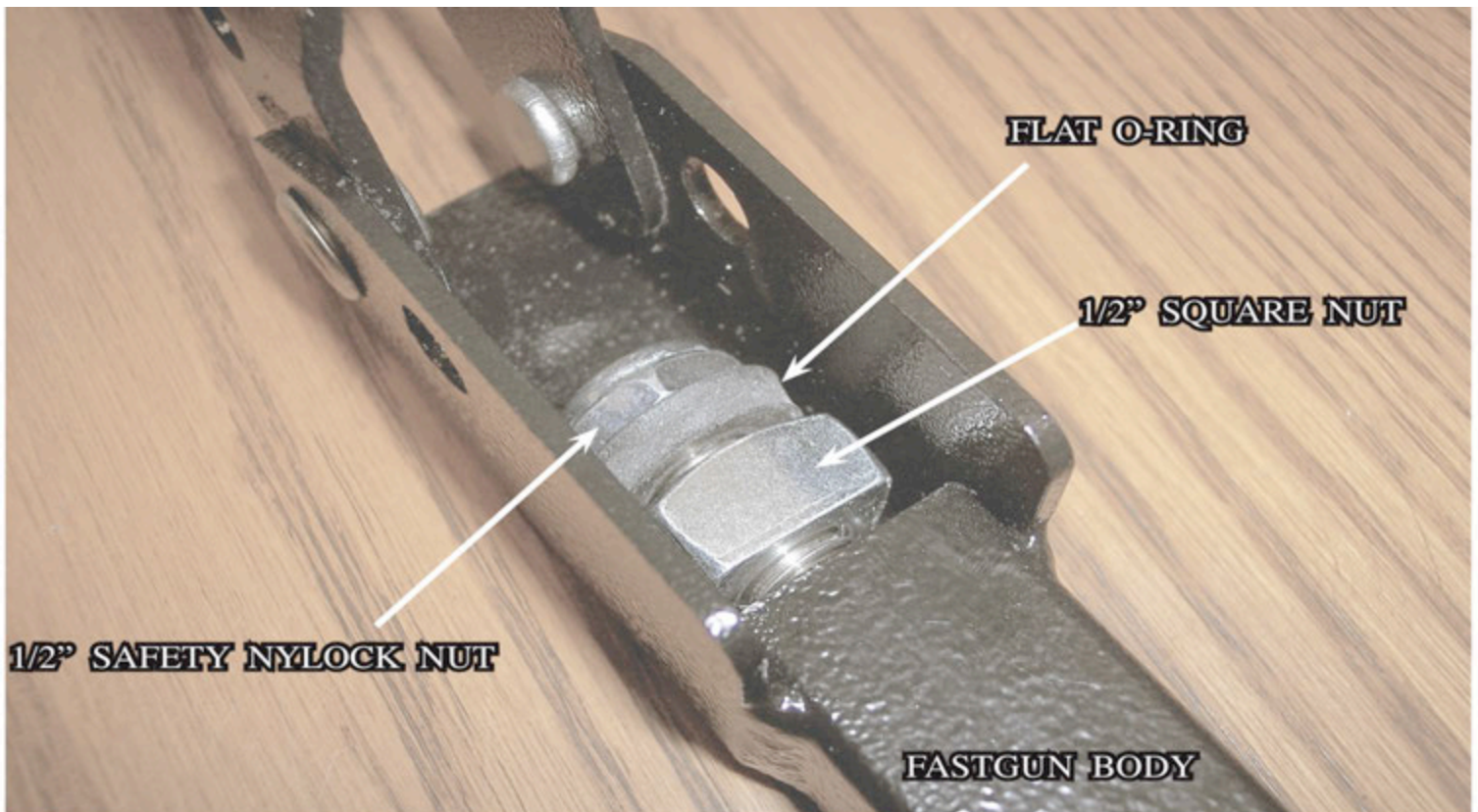


PHOTO 3.2

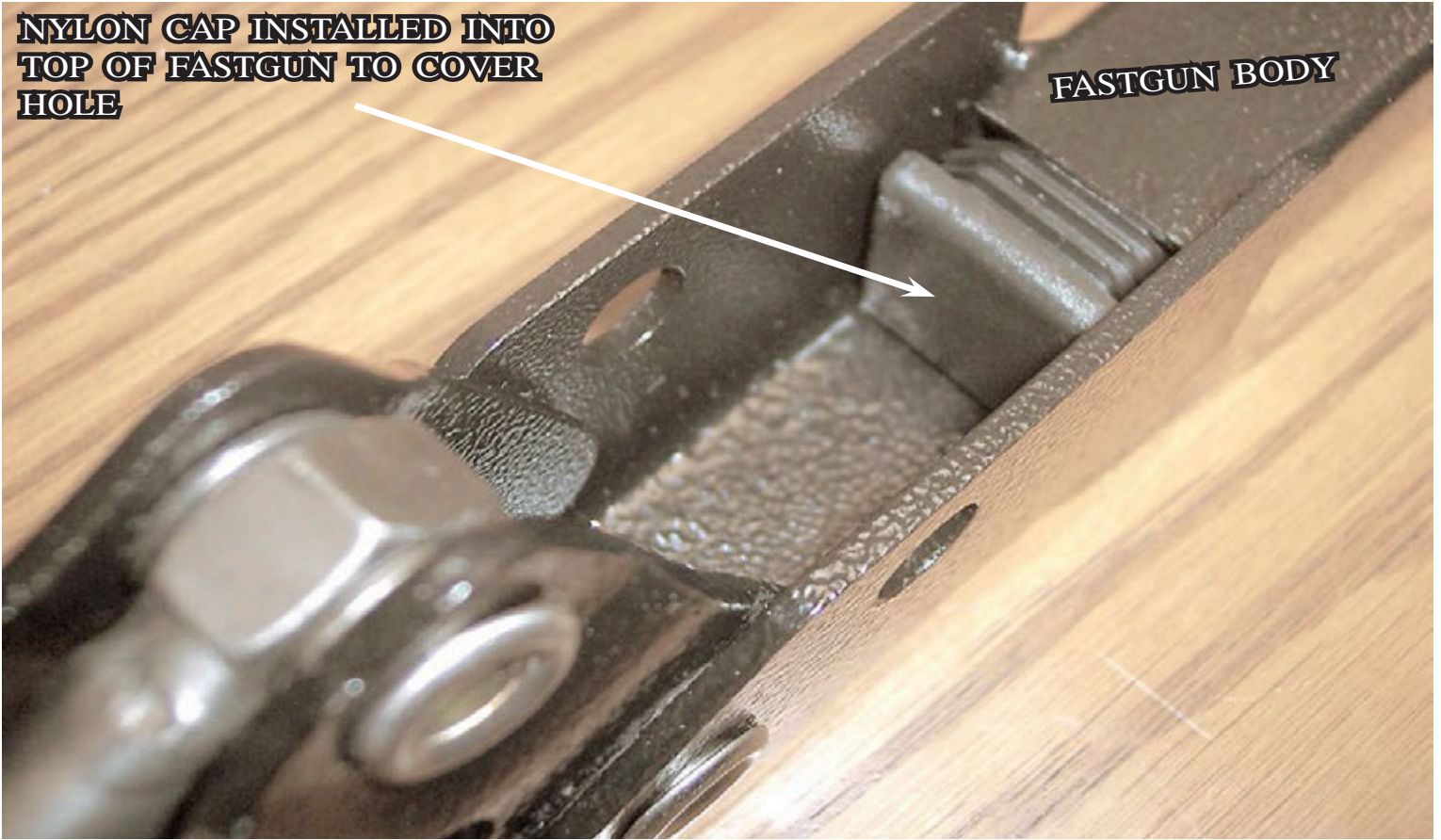


PHOTO 7.1

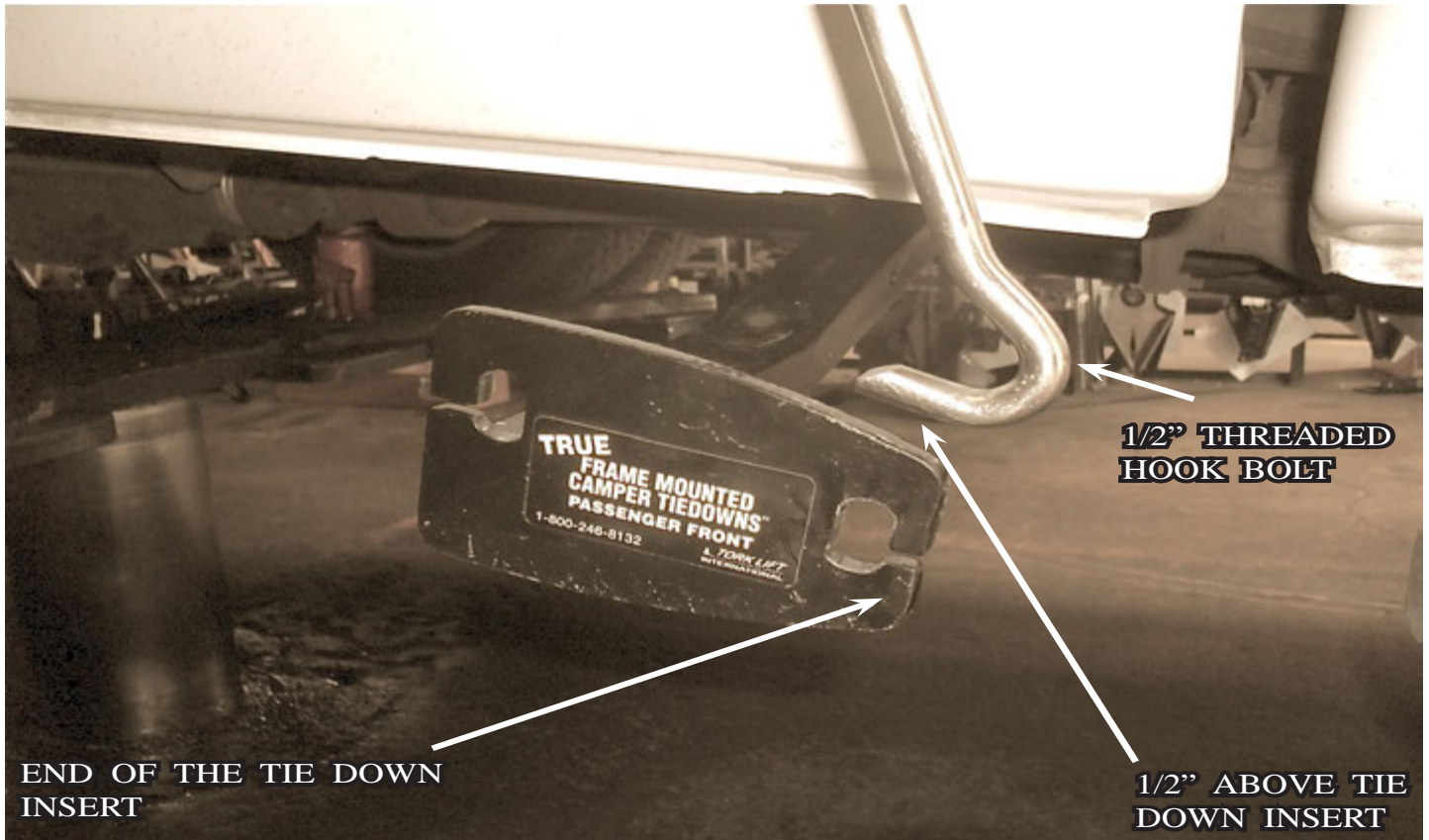


PHOTO 9.1



PHOTO 9.2





INSTRUCTIONS FOR MAINTENANCE OF POLISHED STAINLESS STEEL PRODUCTS



STAINLESS-

In metallurgy stainless steel, also known as inox steel or inox from French “inoxydable”, is defined as a steel alloy with a minimum of 10.5 [1] or 11% chromium content by mass. [2] Stainless does not stain, corrode or rust as easily as carbon steel, but it is not stain proof and requires up keep regularly. [3] It is also called corrosion-resistant steel when the alloy type and grade are not detailed, particularly in the aviation industry. There are different grades and surface finishes of stainless steel to suit the environment to which the material will be subjected in its lifetime. Stainless steel is used where both the properties of steel and resistance to corrosion are required.

All “stainless” steels can corrode under the wrong conditions. Many companies, in fact, do not call them stainless steel, but “corrosion resistant” steel. Remember that most of the metal is still iron and can corrode or rust depending on how much stress it is exposed to. One of the worst things you can do to stainless steel is expose it to chlorides. The better grades can withstand a lot of abuse, but most grades can eventually fail when exposed to chlorides in bad atmospheres.

Some grades of “stainless” steel have very poor resistance to corrosion, they are marginally better than carbon steel, but when correctly hardened and passivated or electro polished can give fairly good performance. The grade of steel must reflect the exposure conditions and performance required.

Stainless steel is known for its ability to be a clean surface that resists corrosion and rust. Dirt, dust and grime, however, put stainless steel at risk for corrosion and rust. Luckily, stainless steel responds well to cleaning, never wearing out from excessive cleaning, as long as certain rules are followed.

1. Water and a cloth.

Routine cleaning can be accomplished by using warm water and a cloth. This is the least risky option for cleaning stainless steel. Dry with a towel or cloth to prevent water spots. Wipe in the directions of the polish lines.

2. Mild detergent, (dish washing liquid) and cloth.

For cleaning that needs more power, mild detergent and warm water can do a great job without damaging the stainless steel. Make sure you rinse the surface thoroughly to prevent staining and spotting. Towel dry to prevent water spots which can be caused by minerals in water.

3. Glass cleaner for fingerprints.

Fingerprints are one of the biggest complaints about stainless steel, but can be taken care of by using glass cleaner or household ammonia. Rinse thoroughly and towel dry. There are some newer types of finishes for stainless steel that resist fingerprints, a must if your pint-sized helpers leave their mark on your stainless steel appliances.

4. Stainless steel cleaner.

If you’ve had staining or scratching, or need to polish your stainless steel, a stainless steel cleaner may be a good option. Some of these cleaners and polishes can help minimize scratching and remove stains. They also can polish stainless steel surfaces nicely. Read the directions on the stainless steel cleaner and test in an inconspicuous spot. Be sure to rinse thoroughly and towel dry.

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 powder 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 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.