

WARNING: Under no circumstances do we recommend exceeding the towing vehicle manufacturers recommended vehicles towing capacity. Failure to follow instructions for installation and use may cause property damage, injury or death.

READ ALL INSTRUCTIONS BEFORE STARTING THE INSTALLATION OR USE

94716 – 16K Goosebox

16,000 lbs Rating
3,200 lbs. Max Pin Weight

OR

94720 – 20K Goosebox

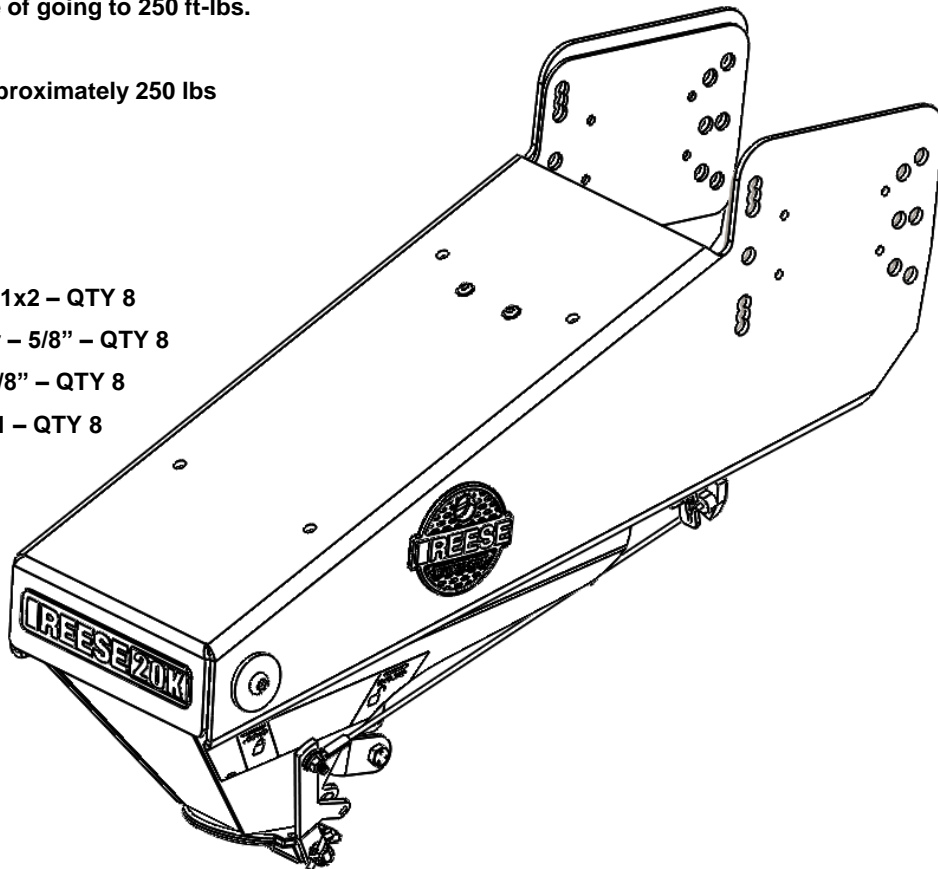
20,000 lbs Rating
4,000 lbs. Max Pin Weight

Tools and Equipment Required to Install:

- Fastener kit 94621F (Included)
- 15/16" socket and wrench
- Torque Wrench Capable of going to 250 ft-lbs.
- Lithium Grease
- Equipment for lifting approximately 250 lbs

What's Included:

- Goosebox
- Fastener Kit (94621F):
 - Hex Bolt – 5/8-11x2 – QTY 8
 - Conical Washer – 5/8" – QTY 8
 - Flat Washer – 5/8" – QTY 8
 - Hex Nut – 5/8-11 – QTY 8



(94720 Goosebox shown)

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Guidelines for Matching Tow Vehicle and Trailer

⚠ WARNING:

Failure to check and follow tow ratings could result in tow vehicle damage or truck and trailer separation while towing.

- Trailer and its contents together must not exceed truck, hitch and/or trailer tow ratings.
- Towing vehicle must have a manufacturer's rated towing capacity equal to or greater than the gross trailer weight (dry weight of the trailer plus payload of the trailer). (See Fig. 2)
- Gross weight of trailer must not exceed 20,000 pounds for part number 94720, or 16,000 pounds for part number 94716.
- Goose Ball vertical weight must not exceed 4,000 pounds for part number 94720, or 3,200 pounds for part number 94716 (See Fig. 3). If in doubt have Gooseball weight measured by qualified facility.

1. Check Tow Ratings:

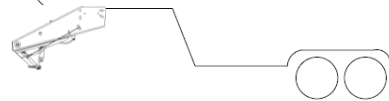
Vehicle Tow Rating: _____

Goose Box Rating: _____

*Gross Trailer Weight (Figure 3): _____

Figure 2

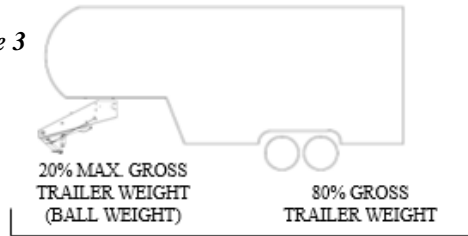
FACTORY TRAILER + FULL
WATER TANKS + CARGO, ETC.
= GROSS TRAILER WEIGHT



***Trailer weight should be the lowest of these recorded ratings for safe towing conditions.**

2. The Goosebox is designed for a maximum of 20% Gross Trailer Weight on the Ball (Gooseball Vertical Weight). See Fig. 3

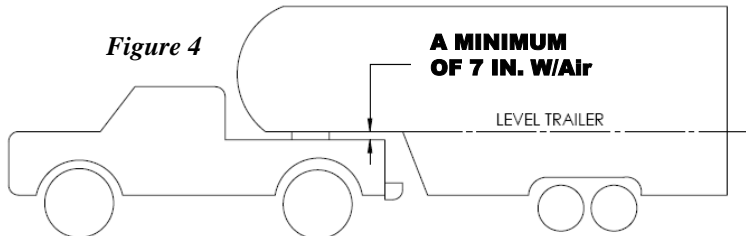
Figure 3



⚠ 3. The Height of the Goosebox should be adjusted in the wing set so there is a minimum 7 in. clearance between the top of the bed and the underside of the front of the trailer for pitch and yaw of the trailer (See Figure 4). This should be checked with the Goosebox air bag inflated to its nominal ride position (refer to *Air Fill / Adjustment*, page 7).

⚠ For off-road use, monitor closely and allow more clearance between pickup walls and trailer.

Figure 4

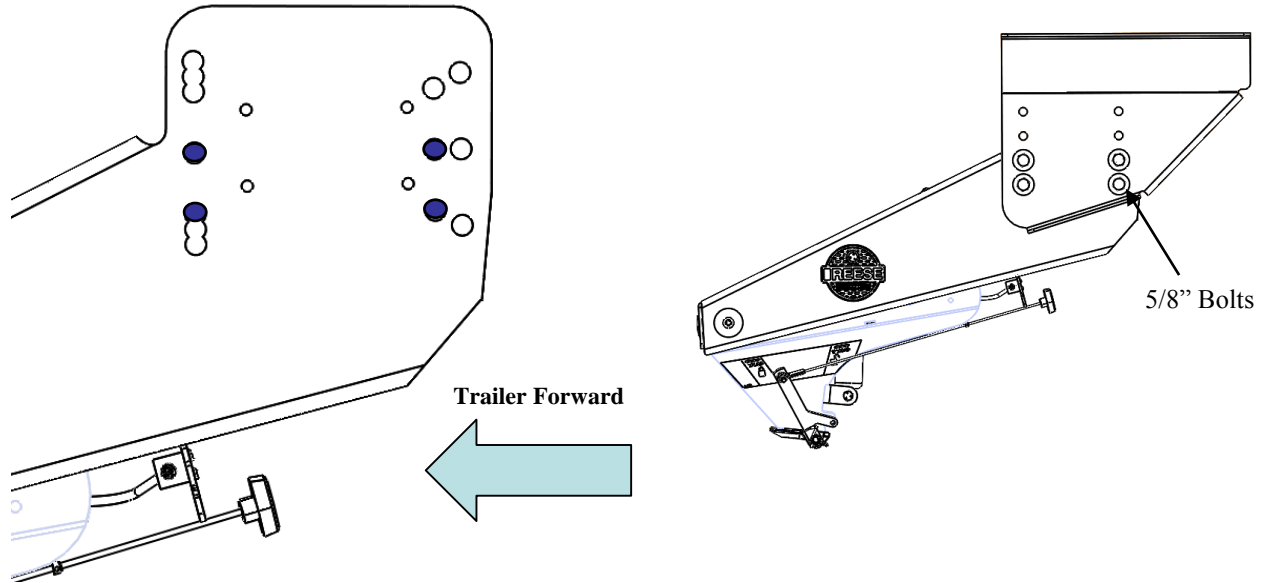
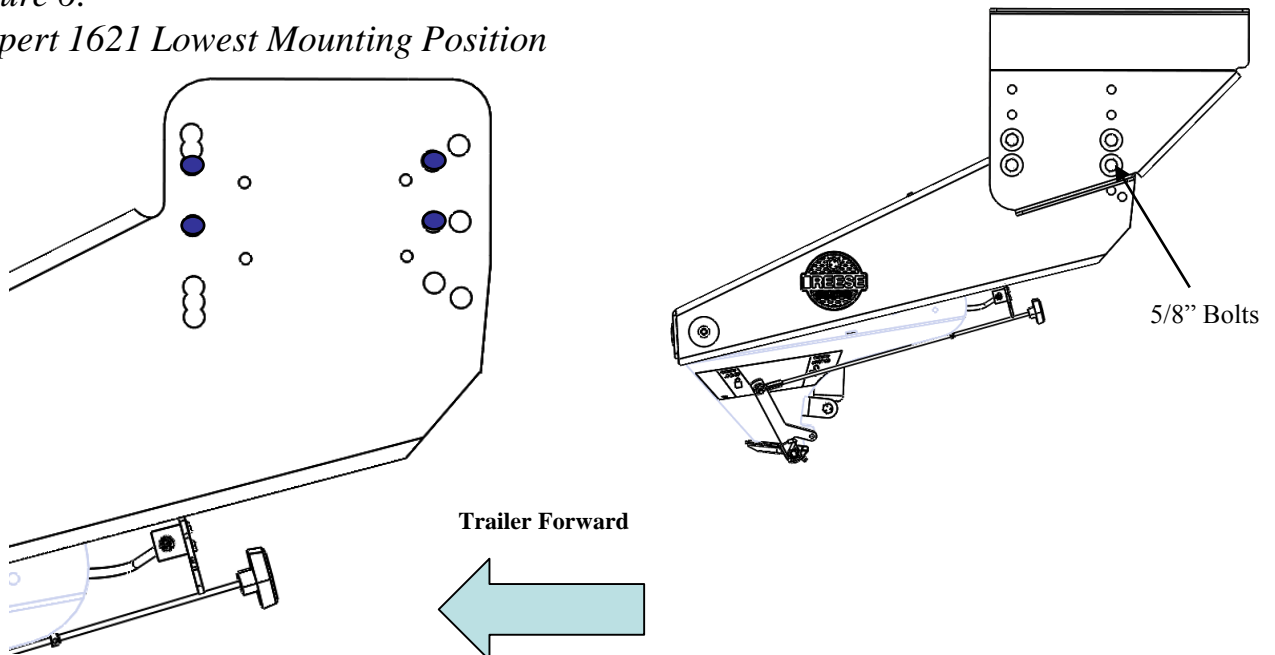


⚠ WARNING:

Avoid putting any part of your body under the trailer or between the truck and trailer. Unexpected or accidental movement of the truck or the trailer can cause serious injury or death

•If you must place any part of your body under the trailer or between the truck and trailer you **MUST** perform **ALL** of the following steps:

- Check that the truck transmission is in park
- Check that the emergency brake is set
- Block in front of and behind all trailer tires
- Check that the trailer landing gear is resting on firm ground

Matching Wing Sets**Lippert 1621 (2 mounting positions that provide 2 inches of adjustment)***Figure 5:**Lippert 1621 Standard Mounting Position**Figure 6:**Lippert 1621 Lowest Mounting Position*

Matching Wing Sets

Lippert 1716 (2 mounting positions that provide 2 1/2 inches of adjustment)

Figure 7:

Lippert 1716 Standard Mounting Position

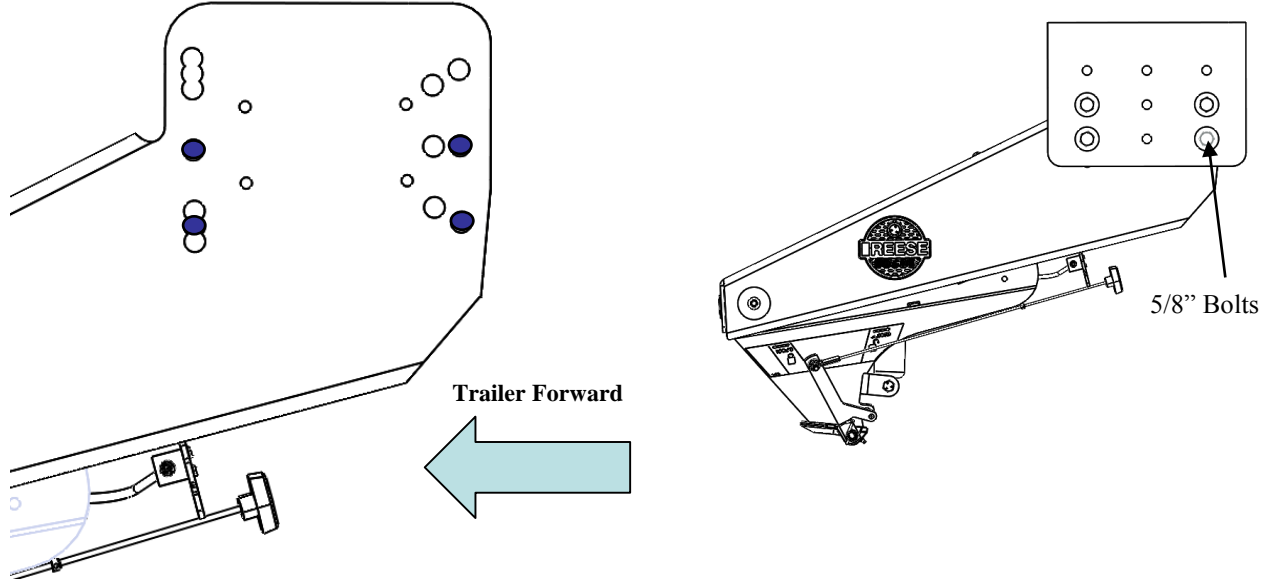
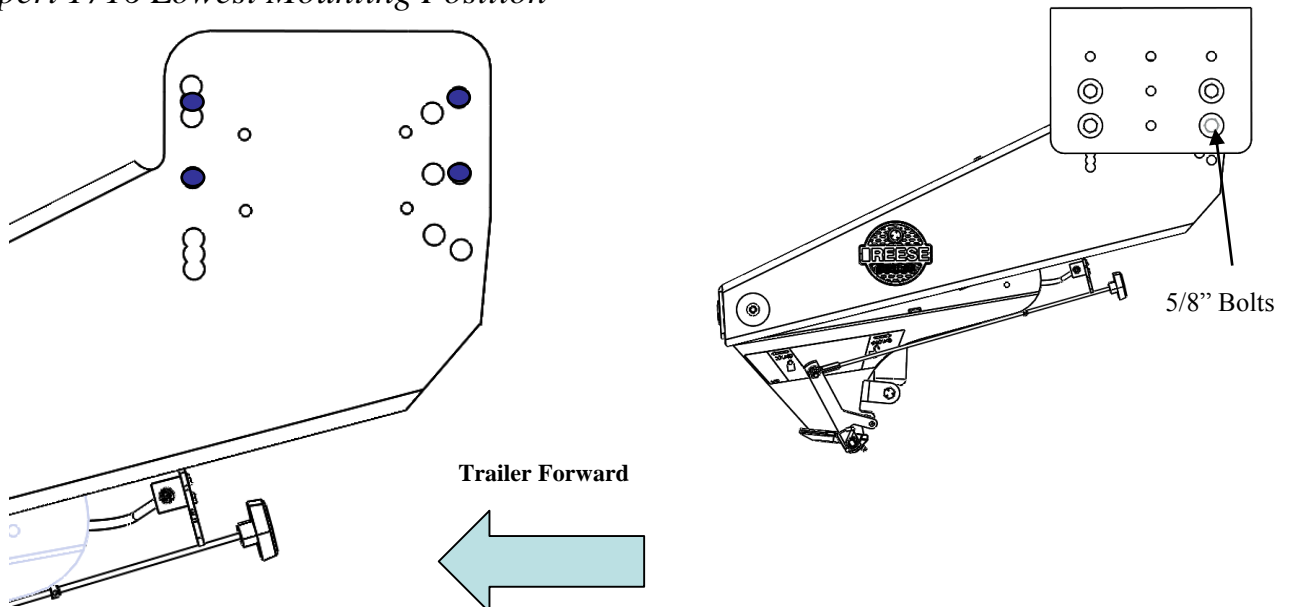


Figure 8:

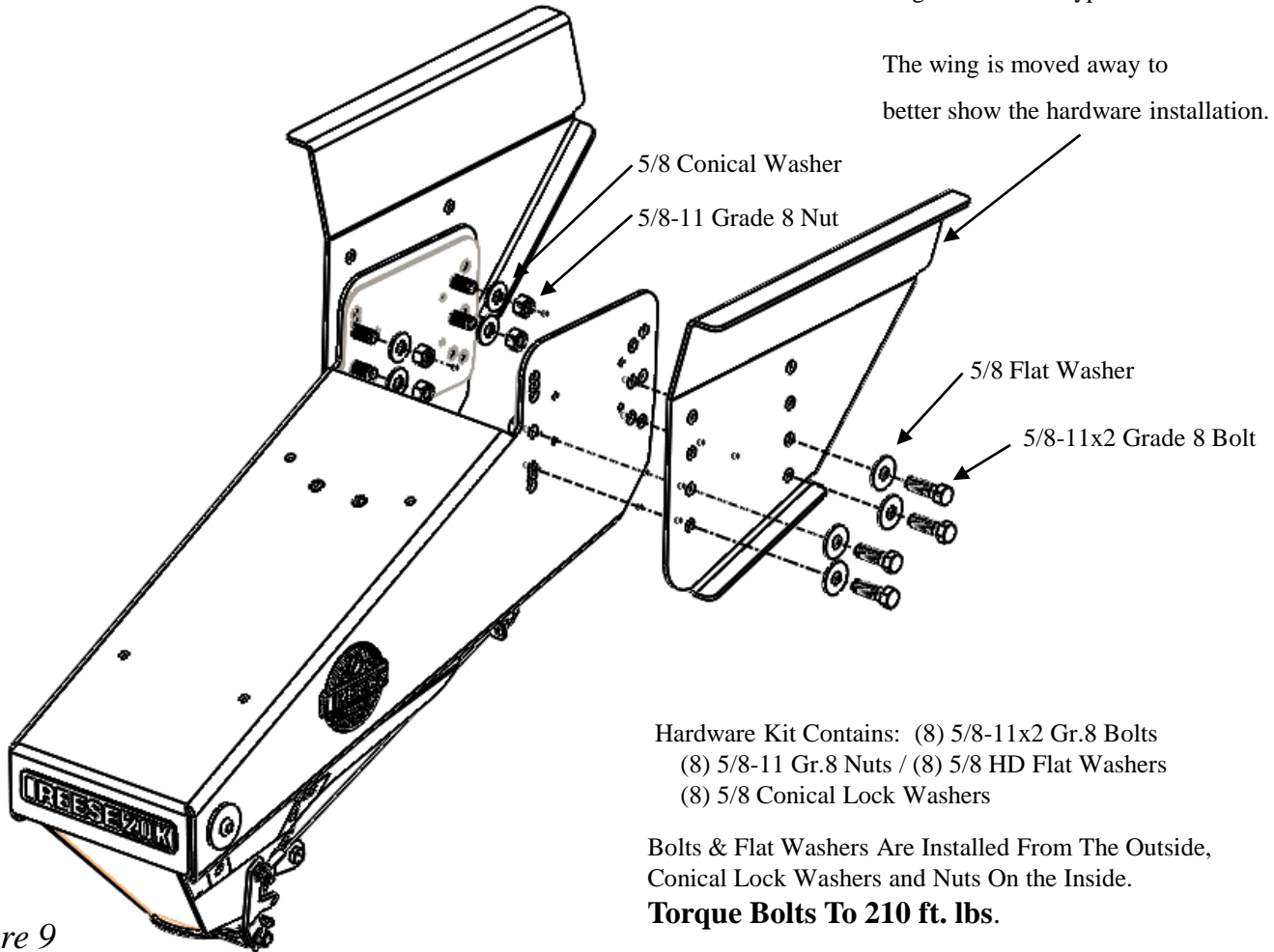
Lippert 1716 Lowest Mounting Position



Typical Bolting

Note: The Figure Shows a Typical Installation

The wing is moved away to better show the hardware installation.



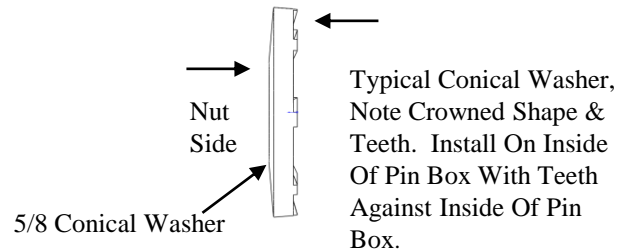
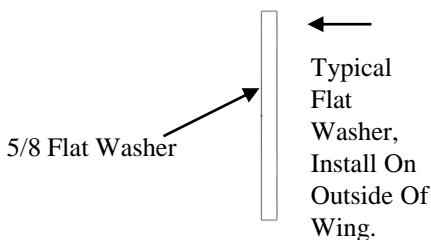
Hardware Kit Contains: (8) 5/8-11x2 Gr.8 Bolts
(8) 5/8-11 Gr.8 Nuts / (8) 5/8 HD Flat Washers
(8) 5/8 Conical Lock Washers

Bolts & Flat Washers Are Installed From The Outside,
Conical Lock Washers and Nuts On the Inside.

Torque Bolts To 210 ft. lbs.

Figure 9

(94720 Goosebox shown)



Hitching / Unhitching

⚠ WARNING:

Unstable or improperly hitched trailers can fall or separate and cause serious injury or death:

Never attempt to hitch trailer without first reading and following all instructions in the manual provided with this product. Do not use without reading and understanding the manual.

Never tow a trailer that exceeds all rated capacities. Towing a trailer that exceeds all rated capacities can result in trailer separation, serious injury, or death.

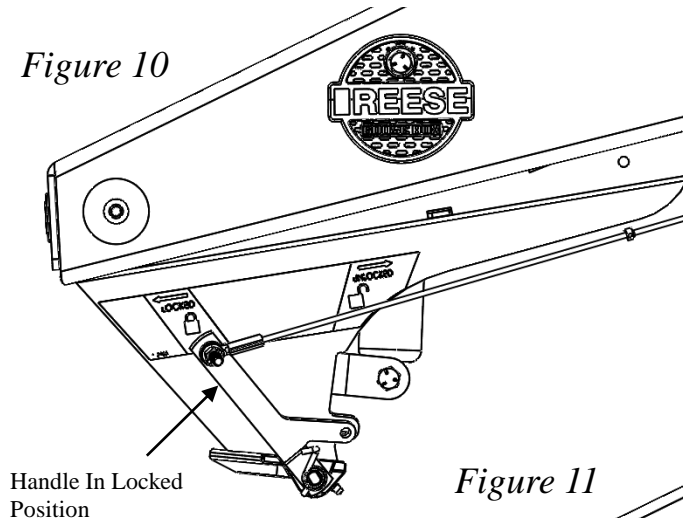
Never allow any part of the body to be placed under the trailer or between the truck and trailer.

The combined weight of the trailer and its contents must not exceed the lowest truck, hitch, and trailer weight and tow rating. Keep hands clear when operating coupler mechanism.

Hitching:

1. Use only with 2 5/16" dia. Gooseball.
2. Ensure coupler handle is in the locked position and not limited by the pull cable. (Figure 10)
3. Lower coupler onto gooseneck ball. Handle will open, then snap shut.
4. Make certain handle has returned forward and is in the locked position before towing.

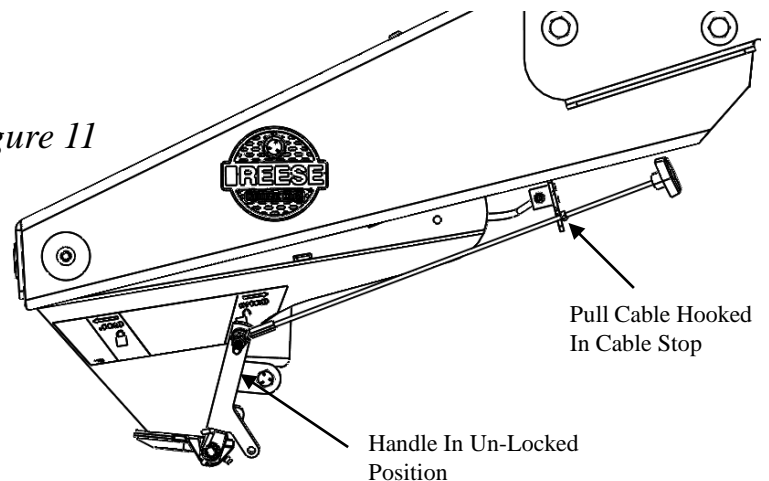
Figure 10



Note:

- 1) Visually inspect from the side of your vehicle that the Gooseball is completely recessed inside the Goosebox coupler.
- 2) After the handle is in the locked position, raise the trailer jacks to ensure the Goosebox is locked onto the Gooseball.

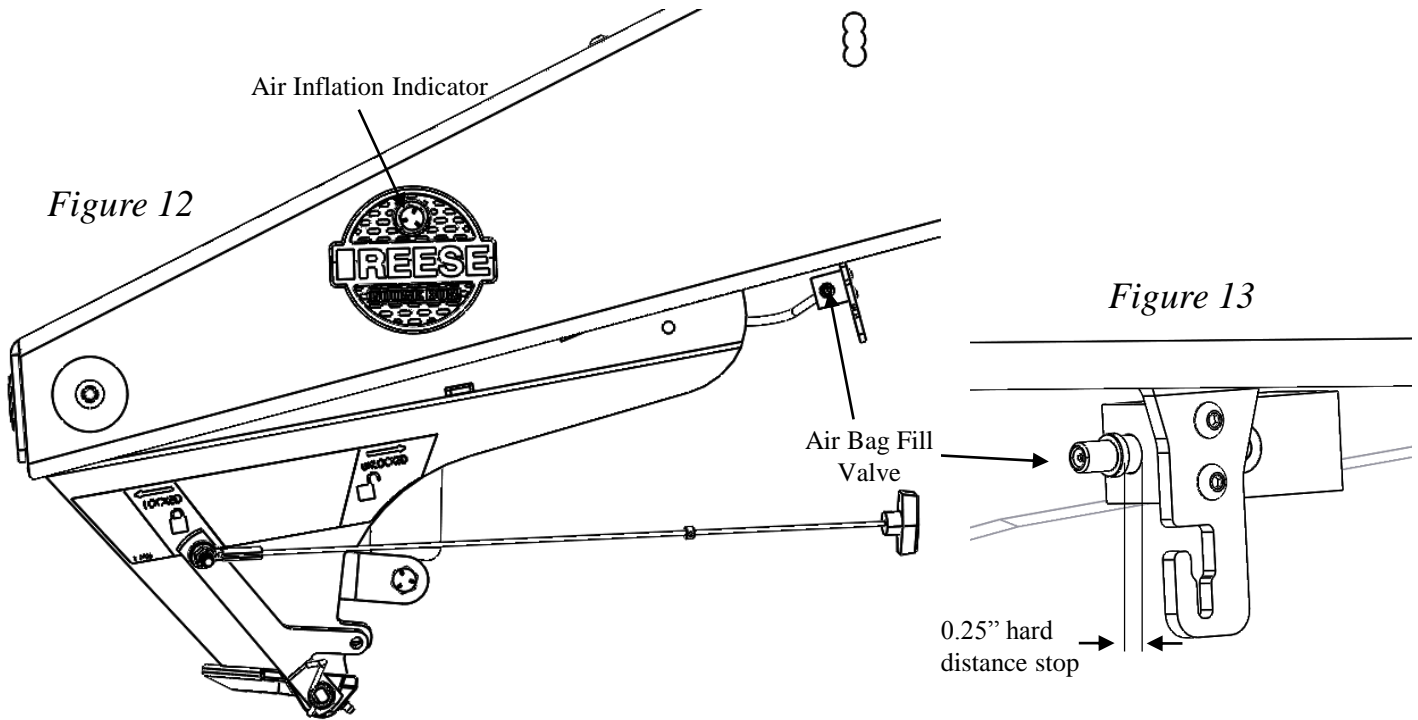
Figure 11



Unhitching:

1. Using pull cable, pull handle back and hook cable stop onto the bracket. (Figure 11) Handle should be in the Un-Locked position.
2. Note: If necessary you can adjust the cable stop by loosening the small set screw (Allen wrench size is 0.05"), moving cable stop, and then retightening.
3. Raise trailer off of gooseball, then release cable. (Figure 10)
4. Ensure latch remains in locked position.

Air Fill / Adjustment



1. Perform the hitching procedure before adjusting suspension air pressure, with the trailer loaded.
2. With trailer hitched to truck and landing gear / jacks retracted, add air to the air bag fill valve shown in figures 12 and 13. When filling the system, you must push the air valve into the hard stop to allow the system to take air (approximately 0.25")
3. Fill until the Goosebox is at its nominal position (seen in the air inflation indicator) (figure 14)
4. It may be helpful to put tow vehicle in neutral to allow the unit to find its natural position. Then apply brake.
5. Recheck Air Inflation Indicator / inflate to desired ride comfort position.
6. The Goosebox is equipped with an automatic air relief valve. If you try to over inflate the bag, the relief valve will pop, releasing air.

*Figure 14:
Nominal Air
Position*



*Figure 15:
Maximum Air
Position*



*Figure 16:
Low Air
Position*

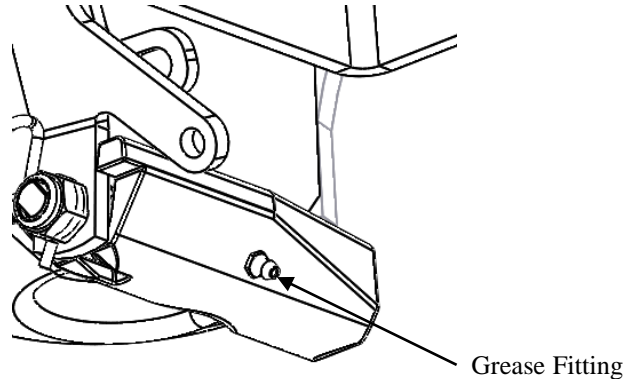


Maintenance

To ensure long term performance, it is recommended to follow the following maintenance:

1. Grease coupler shaft from fitting in back of coupler before each use and clean and then grease the Gooseball (Figure 17).
2. Inspect the Goosebox for any damage or excessive wear.
3. Once per season, fully deflate the airbag and then refill.
4. No special instructions for storage, but perform normal maintenance when taking out of storage and using again.

Figure 17



BEFORE EACH TRIP:

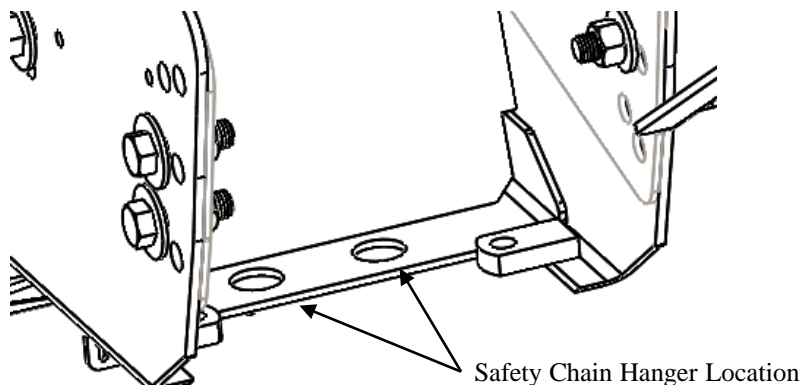
5. **CHECK YOUR EQUIPMENT:** Check that condition of all of your towing equipment and keep it in top condition.
6. Check to see that all bolts and nuts are properly tightened.
7. Check that the airbag pressure is set for your vehicle and loaded trailer (Note that the airbag can loose pressure with temperature changes when not in use).
8. Check the functionality of the coupler pull handle to make sure it moves in both the locked and unlocked positions.

Safety Chain Hangers

For added levels of safety, please use the Reese 20K Rated Safety Chain (part number 49151), For the 16K Goosebox(94716), 16k Rated Safety Chain (49150) can be used.

When not in use, put the safety chain hooks into the supplied safety chain holes for proper storage.

Figure 18



Optional Lock Location

When hitched up or when the trailer is in storage, a lock may be used for theft prevention in the lock location shown in figure 19. A commonly available lock that meets the dimensions in Figure 20 may be used (example: Master Lock #5).

Figure 19

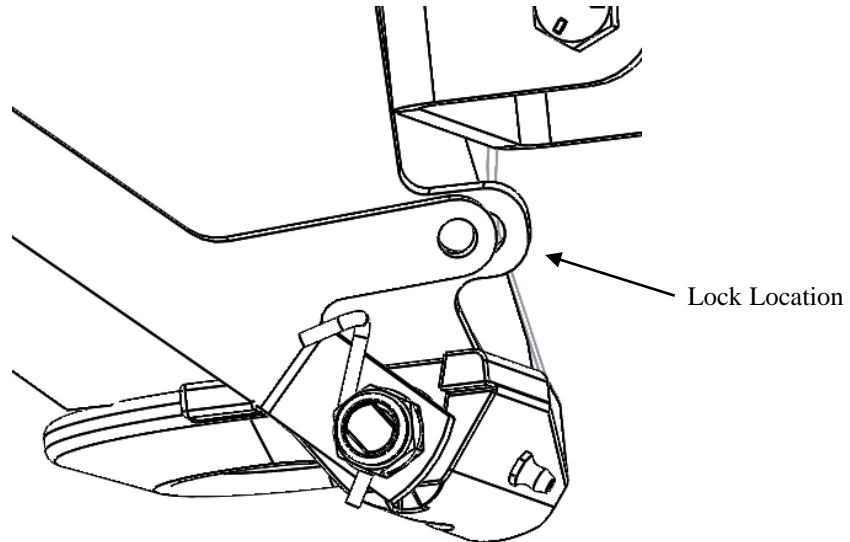


Figure 20

