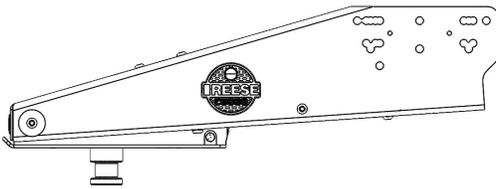


WARNING: Under no circumstances do we recommend exceeding the towing vehicle manufacturers recommended vehicles towing capacity. Failure to follow instructions for installation and use may cause property damage, injury or death.

READ ALL INSTRUCTIONS BEFORE STARTING THE INSTALLATION OR USE

MAX GROSS TRAILER WEIGHT	MAX PIN WEIGHT
20,000 lbs	5,000 lbs

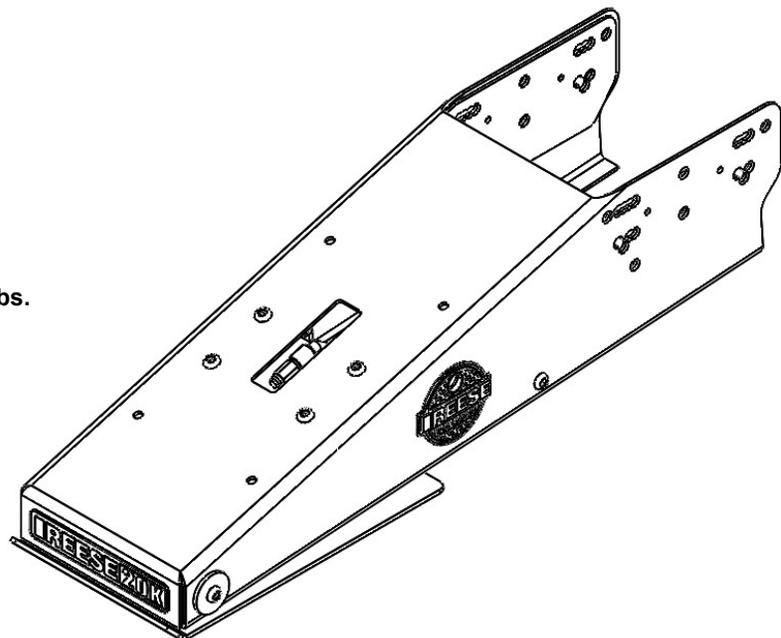


Tools and Equipment Required to Install:

- Fastener kit 94621F (Included)
- 15/16" socket and wrench
- Torque Wrench Capable of going to 250 ft-lbs.
- Lithium Grease
- Equipment for lifting approximately 150 lbs
- Air Compressor

What's Included:

- 5th Airborne Pinbox
- Fastener Kit (94621F):
 - Hex Bolt – 5/8-11x2 GR.8 – QTY 8
 - Conical Washer – 5/8" – QTY 8
 - Flat Washer – 5/8" – QTY 8
 - Hex Nut – 5/8-11 GR.8 – QTY 8



Note: For any questions, please

- Scan QR code
- Visit www.reeseprod.com/qr-product.aspx
- Or call Technical Service at: 1-800-632-3290



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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 94420.
- Kingpin weight must not exceed 5,000 pounds (See Fig. 3). If in doubt have kingpin weight measured by qualified facility.

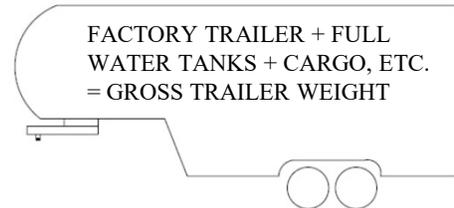
1. Check Tow Ratings:

Figure 2

Vehicle Tow Rating: _____

5th Airborne Box Rating: 20,000lbs

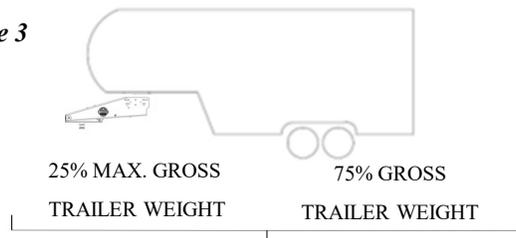
*Gross Trailer Weight (*Figure 3*): _____



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

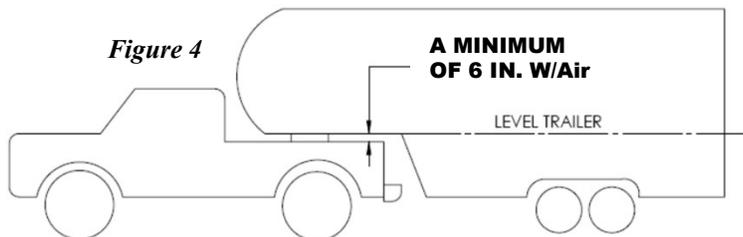
2. The 5th Airborne Pinbox is designed for a maximum of 25% Gross Trailer Weight on the king pin. (See Fig. 3)

Figure 3



- ⚠ 3. The height of the hitch and pin box should be adjusted so the trailer is approximately level as it is towed. Allow approximately 6 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 product is not intended for off road use.**



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

Figure 5:
Lippert 1716 Standard Mounting Position

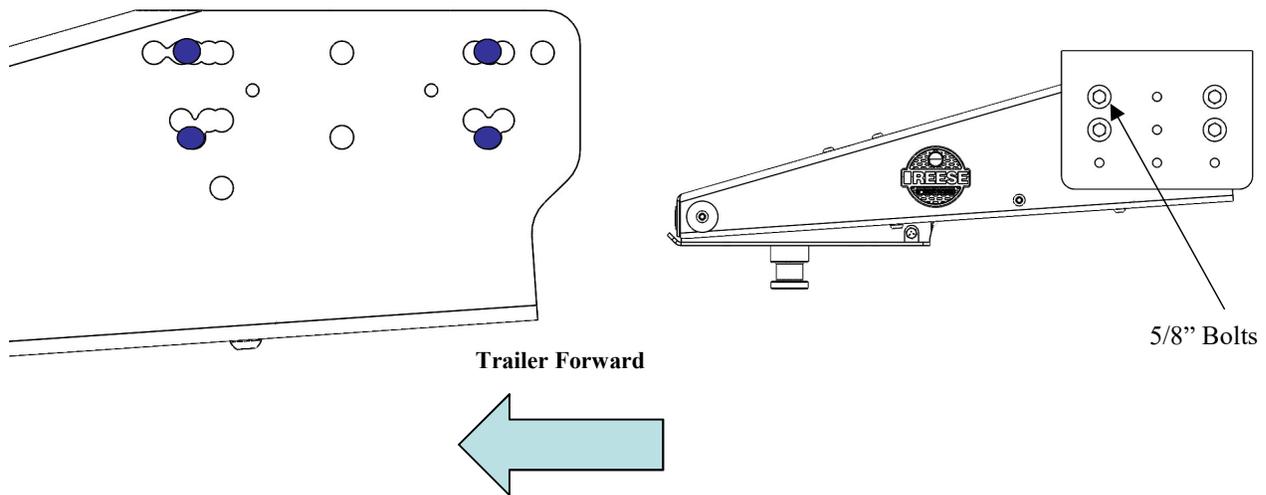
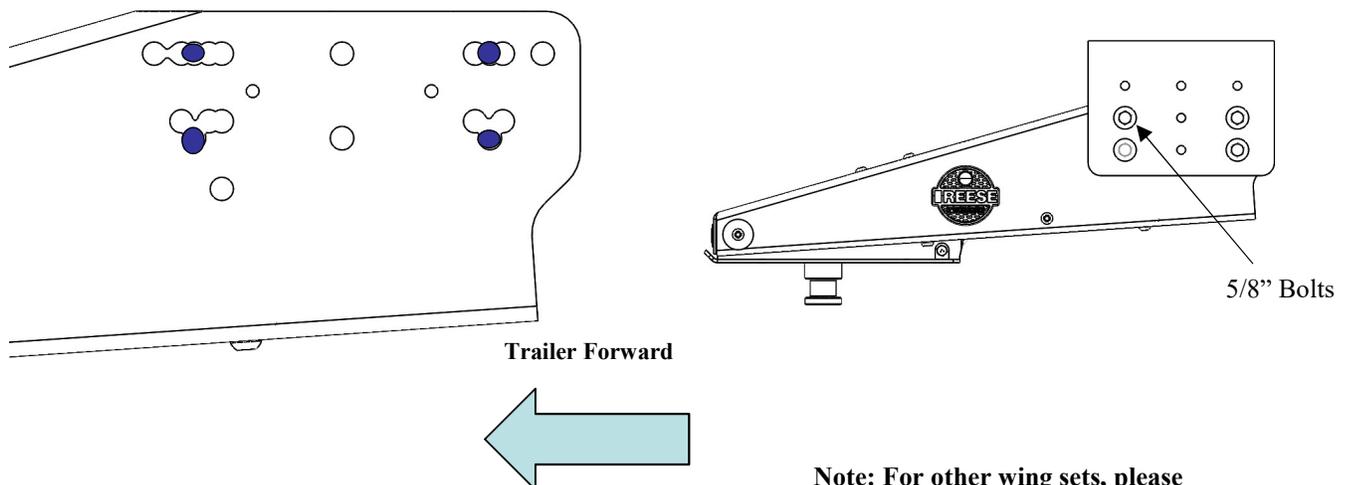


Figure 6:
Lippert 1716 Lowest Mounting Position



Note: For other wing sets, please
- Visit www.reeseprod.com/qr-product.aspx
- Or call Technical Service at: 1-800-632-3290

Matching Wing Sets

Lippert 1621 (2 mounting positions that provide 2 inches of adjustment)

Figure 7:
Lippert 1621 Standard Mounting Position

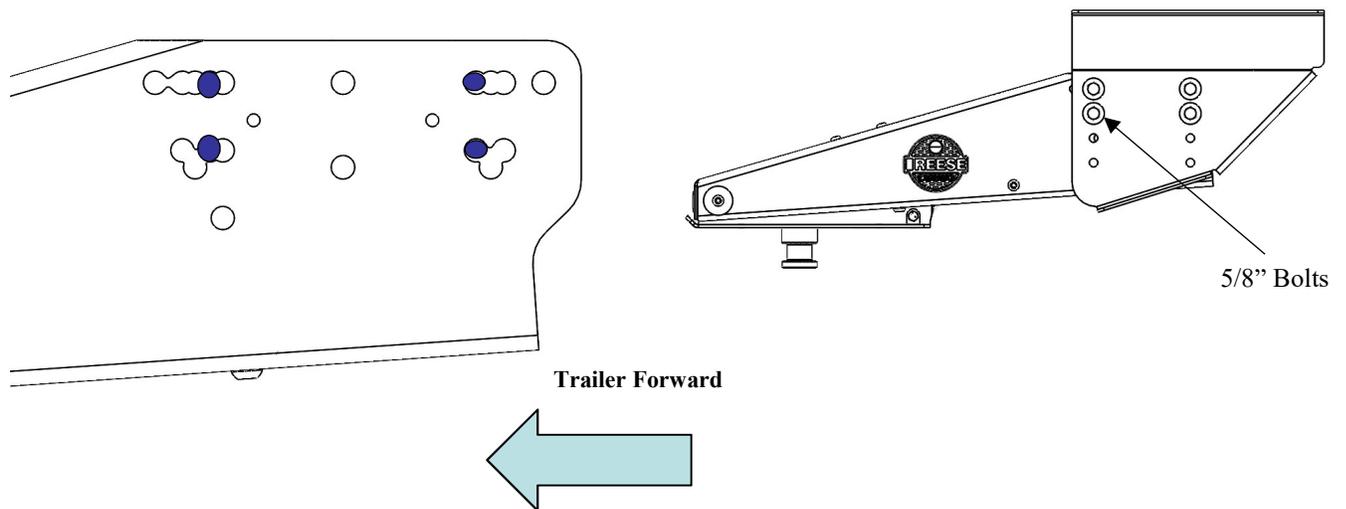
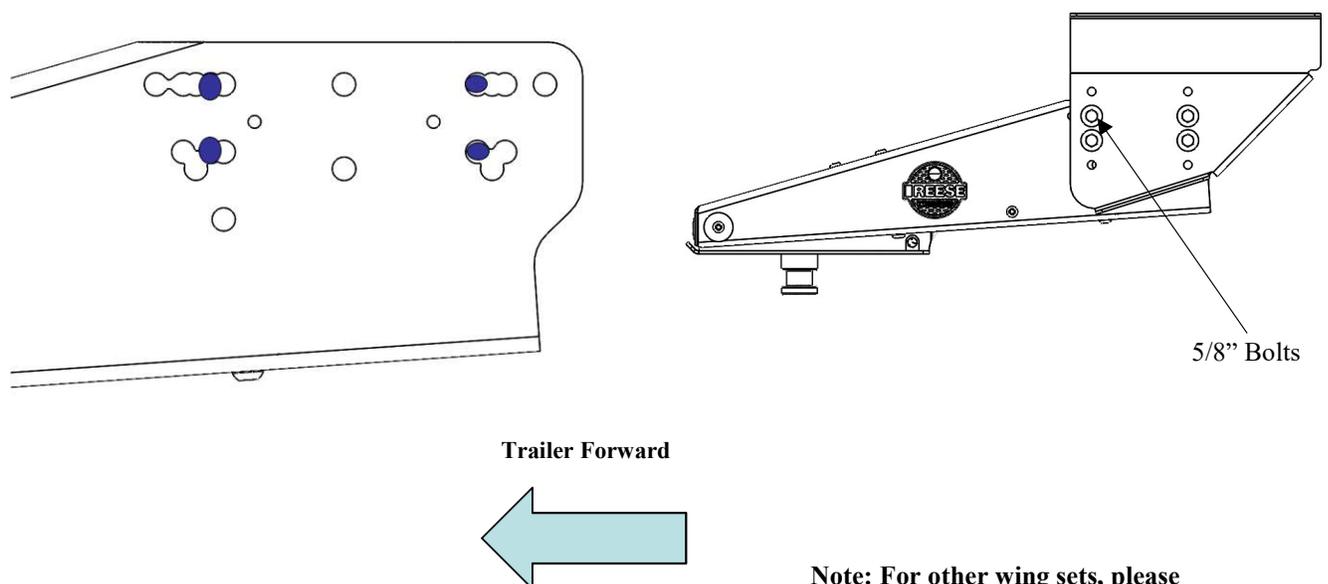


Figure 8:
Lippert 1621 Lowest Mounting Position

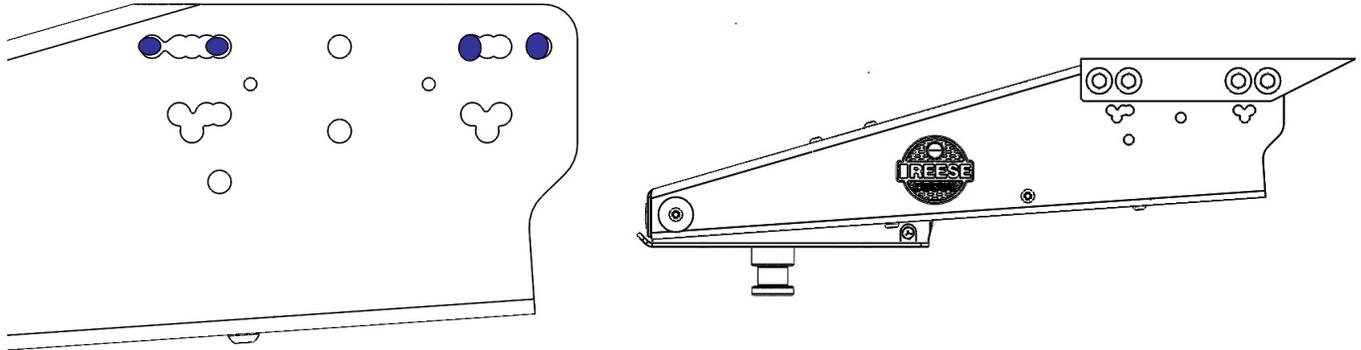


Note: For other wing sets, please
- Visit www.reeseprod.com/qr-product.aspx
- Or call Technical Service at: 1-800-632-3290

Matching Wing Sets

Lippert Turningpoint Trailers (1 mounting position)

Figure 9:
Turning Point Mounting Position



⚠ WARNING: When using the Turning point mounting position, Gross weight of trailer must not exceed 16,000 pounds

Trailer Forward

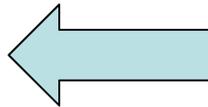
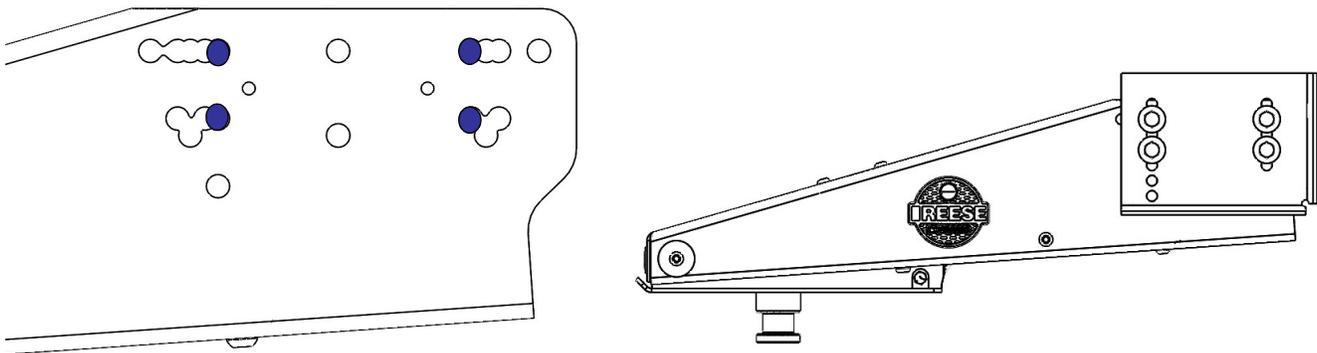


Figure 10:
Lippert Rhino Mounting Position



Note: For other wing sets, please
- Visit www.reeseprod.com/qr-product.aspx
- Or call Technical Service at: 1-800-632-3290

Note: The Figure Shows a Typical Installation

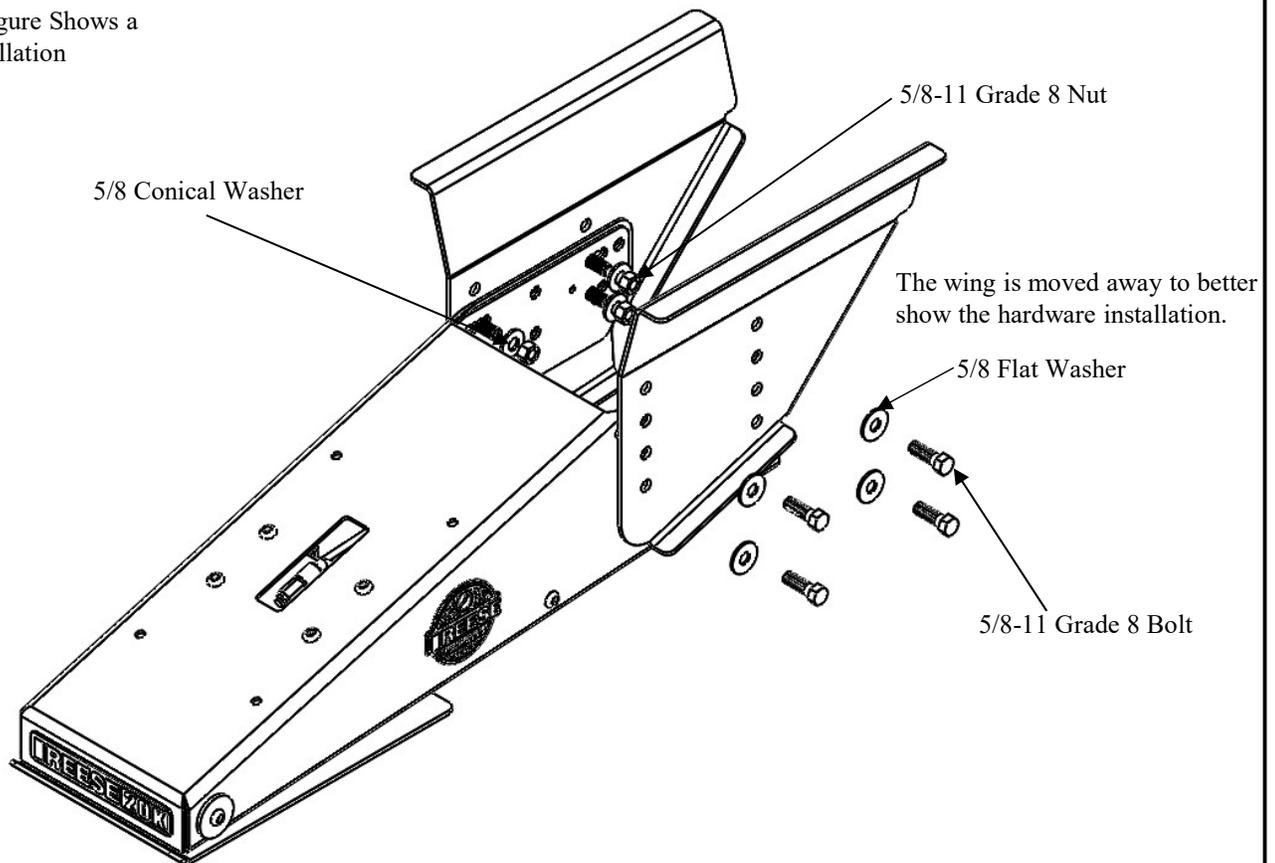
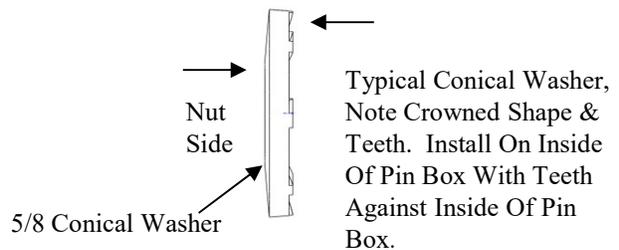
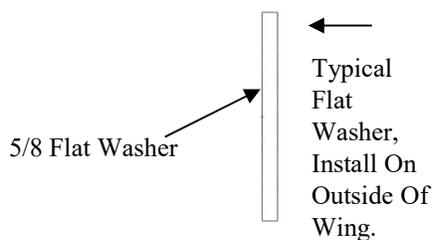


Figure 11

Bolts & Flat Washers Are Installed From The Outside, Conical Lock Washers and Nuts On the Inside.
Torque Bolts To 210 ft. lbs.

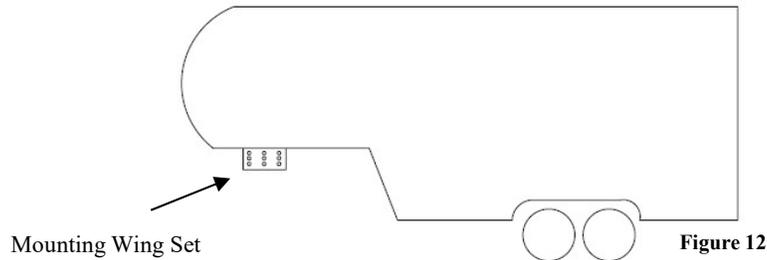


For trailers with 12-1/2" wide wingsets, spacer kit 68200 will be required which is not included with product 94420. Consult 68200 instructions when installing units that require the spacer kit



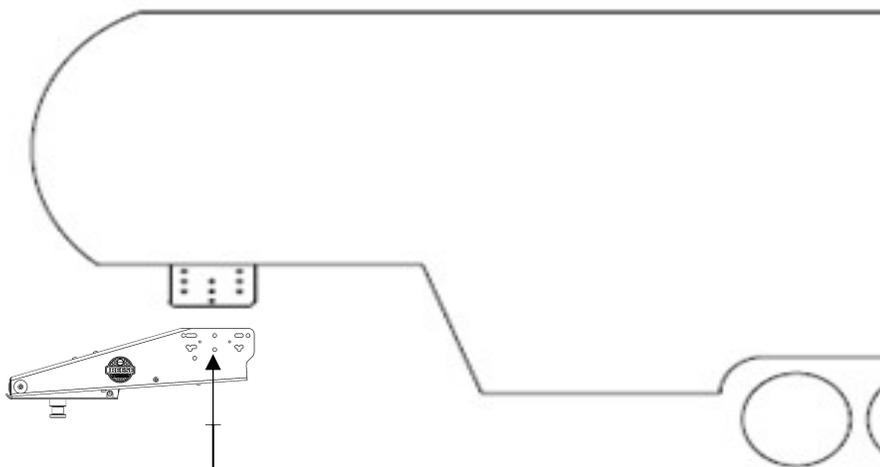
ASSEMBLY INSTRUCTIONS

1. Before removing the original pin box, take note of the number of bolts used attaching the existing pin box to the mounting wing set. Horizon Global recommends using at least the same number of bolts upon installation as removed from the original pin box. (Figure 10)



2. Remove the existing pin box, taking care to remove any necessary wiring and/or break away switch if attached to the pin box. (If removed, the break away switch must be reinstalled after installation is complete)

3. Install the 5th Airborne inside the mounting wings (Figure 12). Horizon Global recommends using the hardware kit included with the pin box. It is all grade 8 hardware. For a 20K application, install at least the hardware included as a minimum. (4 bolts per side, 2 front row & 2 rear row) Torque all bolts to the proper value listed in table 1.


Figure 13

Note: Installing the front bolts first may ease alignment.

⚠ WARNING: The 5th Airborne pin box is heavy, take care to maintain adequate support under the 5th Airborne arm until at least 2 bolts per side are installed. Failure to do so may result in death or serious injury.

Bolt Diameter	Torque
5/8" Bolts GR5	150 ft-lbs
5/8" Bolts GR8	210 ft-lbs
3/4" Bolts GR5	275 ft-lbs

Table 1

Air Fill / Adjustment

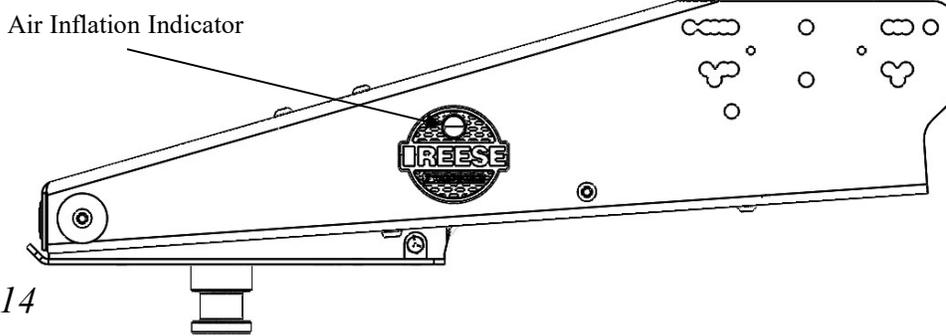


Figure 14

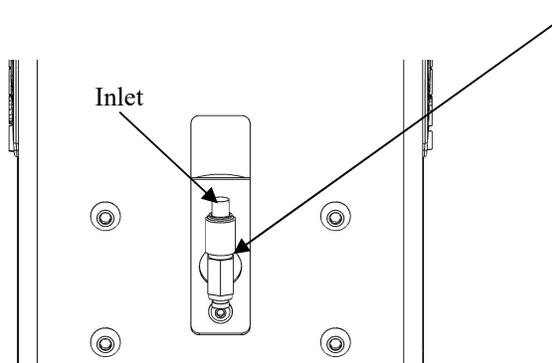


Figure 15

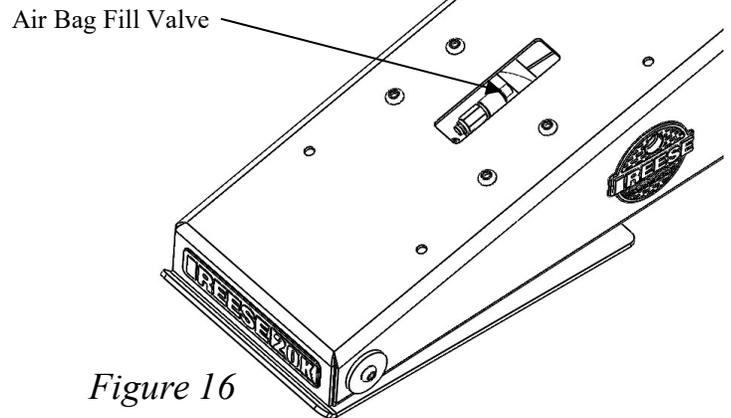


Figure 16

ADJUSTING THE AIR SPRING

1. Perform the hitching procedure before adjusting suspension air pressure, with the trailer loaded.
2. With trailer hitched to truck, 5th wheel hitch latched and locked and landing gear / jacks retracted, add air to the air bag fill valve inlet shown in figures 15.
3. Fill the pinbox until it is at its nominal position (seen in the air inflation indicator) (Figure 17)
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.

*Figure 17:
Nominal Air
Position*



*Figure 18:
Maximum Air
Position*



*Figure 19:
Low Air
Position*



