

20K Sidewinder

68220

Rated for 20,000 lbs,
Max. Pin Weight 5,000 lbs

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.

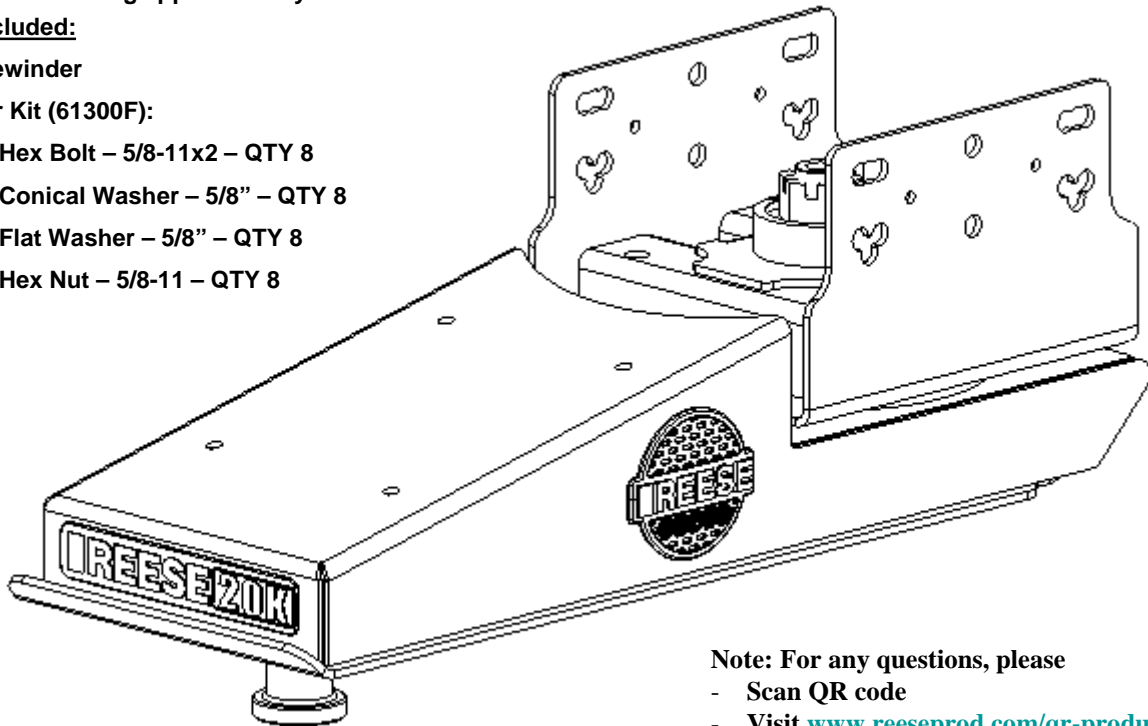
READ ALL INSTRUCTIONS BEFORE STARTING THE INSTALLATION OR USE

Tools and Equipment Required to Install:

- Fastener kit 61300F (Included)
- 1-1/8" thin-walled socket
- 15/16" socket
- Torque Wrench Capable of going to 250 ft-lbs.
- Lithium Grease
- Equipment for lifting approximately 250 lbs

What's Included:

- 20K Sidewinder
- Fastener Kit (61300F):
 - 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



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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⚠ WARNING:

Check Compatibility of Your 5th Wheel Hitch With The Sidewinder.
For Reese Compatibility Information Visit our Website at: www.reeseprod.com

Refer to the specific product page for the Sidewinder up to date 5th Wheel Hitch Compatibility.
Or contact Technical Service At: 1-800-632-3290

⚠ WARNING:

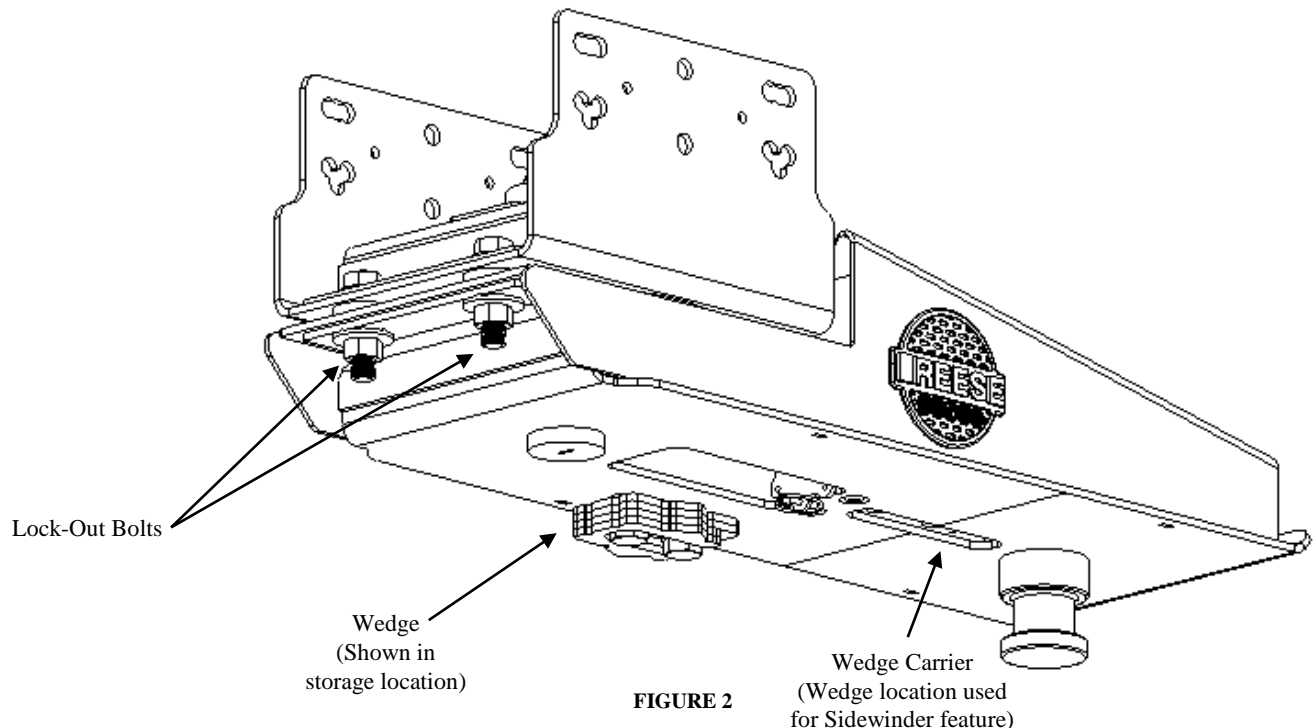
Avoid putting any part of your body under the trailer or between the truck and trailer. Unexpected or accidental movement of the truck or the trailer can cause serious injury or death

•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 are resting on firm ground

⚠ WARNING:

The Sidewinder pinbox comes from the factory as a conventional pinbox. Lock-out bolts (2) $\frac{3}{4}$ " Grade 8 bolts are installed, and the wedge in the storage position. These may or may not be removed by your installer. If used with the wedge & lock-out bolts installed at the same time, or without one or the other installed, damage to your trailer and/or truck may occur. (See Figure 2)



Pre Hook-up Clearance Check

I. Cab Clearance

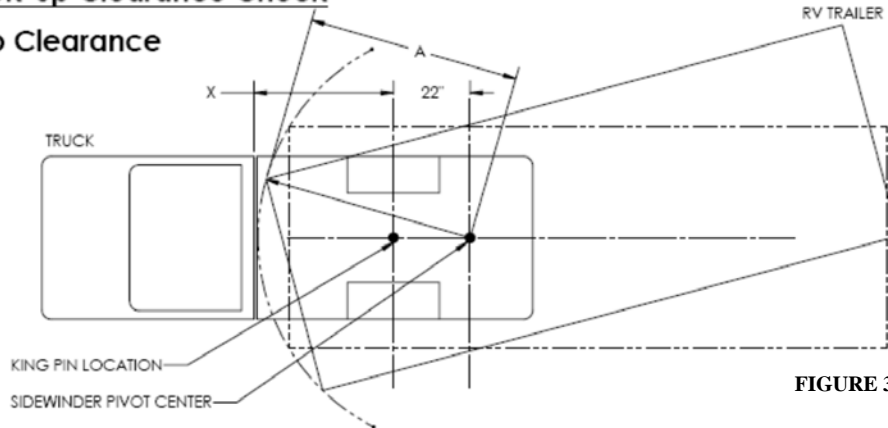


FIGURE 3

Measure Distance "A": From Center of Sidewinder pivot to farthest point on coach front cap.

Measure Distance "X": From King Pin to the rear of the truck cab.

If Distance "X" + 24" is Greater Than Distance "A" Towing up to 90° or More is possible.

GUIDELINES FOR MATCHING TOW VEHICLE AND TRAILER

II. Bumper Clearance

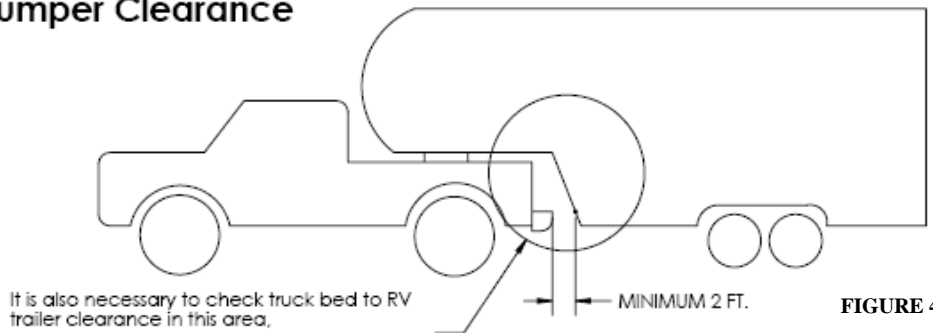


FIGURE 4

It is also necessary to check truck bed to RV trailer clearance in this area.

CAUTION: A minimum clearance between the bumper and trailer (Measured at the same height) of 2 ft. is recommended. Due to Vehicle and RV Trailer variations; it is necessary to check this clearance. If the clearance is less than the minimum, this can be done after installation by making a slow turn, in a controlled driving environment (i.e. closed parking lot, grass field, etc.) with the aid of an observer to watch for interference.

1. 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 5). For off-road use allow more clearance between pickup walls and trailer.

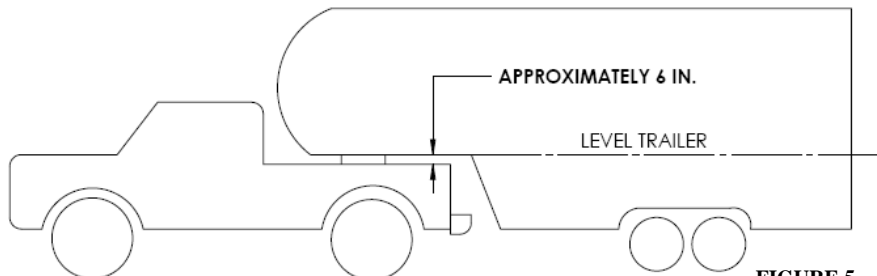


FIGURE 5

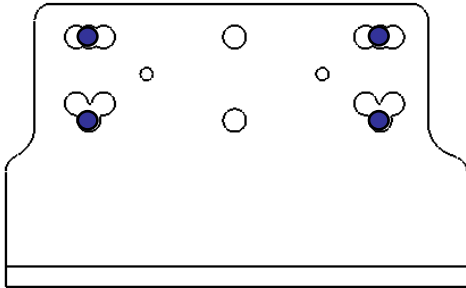
CAUTION:

The Measurements in figures 3, 4 & 5 are guidelines, If your measurements are close to these numbers, re-check clearances. If vehicle and/or trailer has any added bed vanity accessories (i.e. fairings, air dams, ground effects, bed rails, etc.) additional dimensioning and clearance checks have to be made. Horizon Global is not responsible for damage incurred due to disregarding these clearance checks.

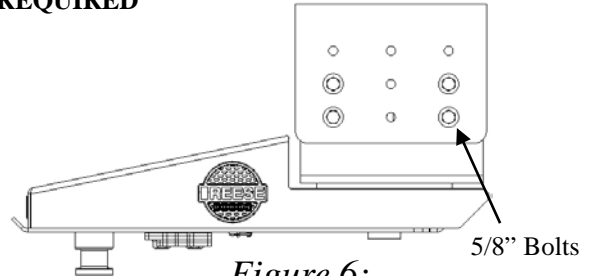
Matching Wing Sets

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

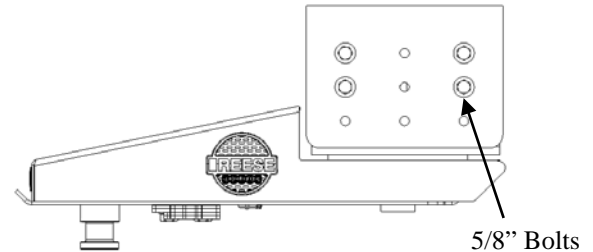
*SPACER KIT P/N 68200 REQUIRED



Bolt Locations

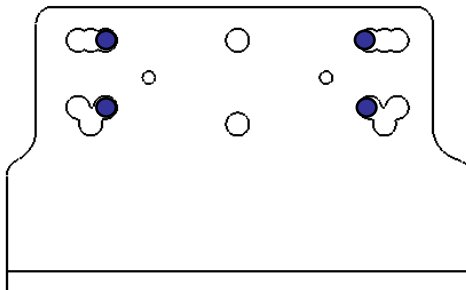


*Figure 6:
Lippert 1716 Standard Mounting Position*

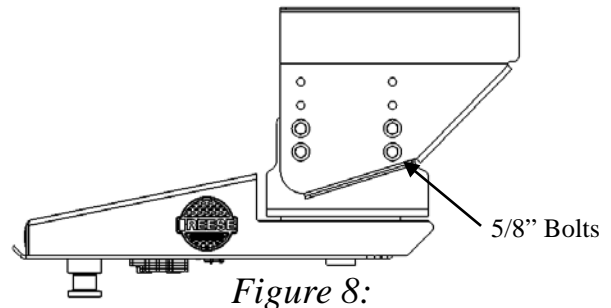


*Figure 7:
Lippert 1716 Lowest Mounting Position*

Lippert 1621 (1 mounting position)



Bolt Locations



*Figure 8:
Lippert 1621 Standard Mounting Position*

Note: For other wing sets, please

- Visit www.reeseprod.com/gr-product.aspx
- Or call Technical Service at: 1-800-632-3290

Typical Bolting

Note: The Figure Shows a Typical Installation

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

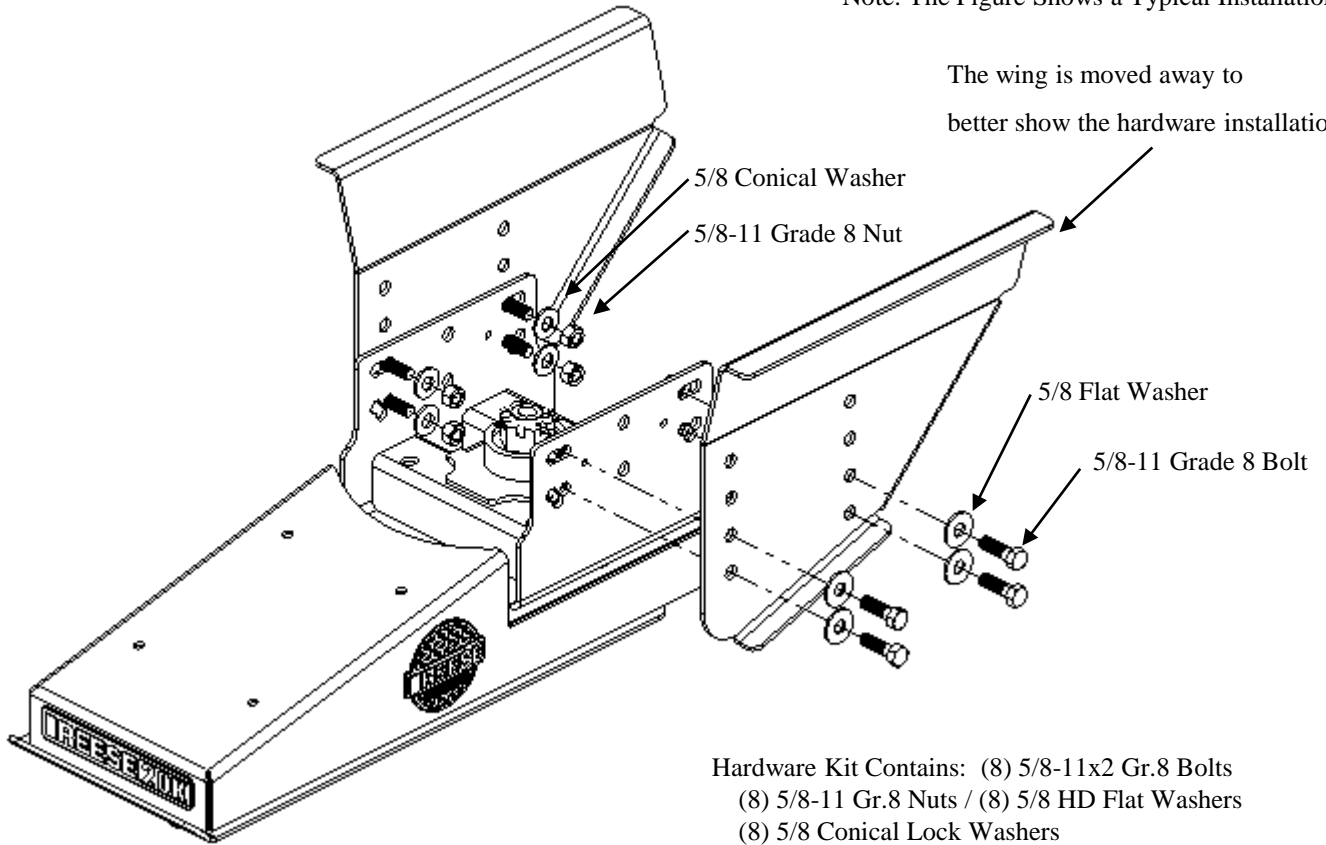
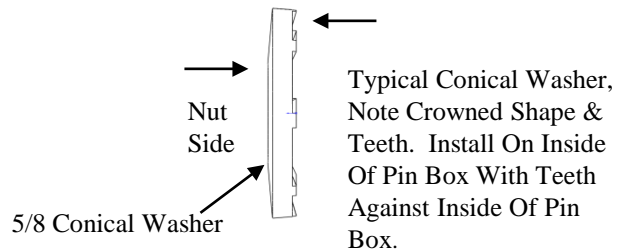
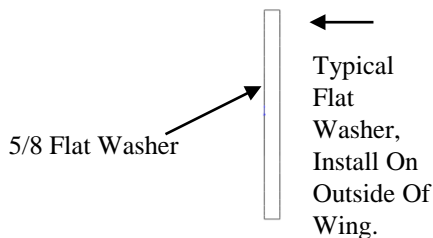


Figure 9

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

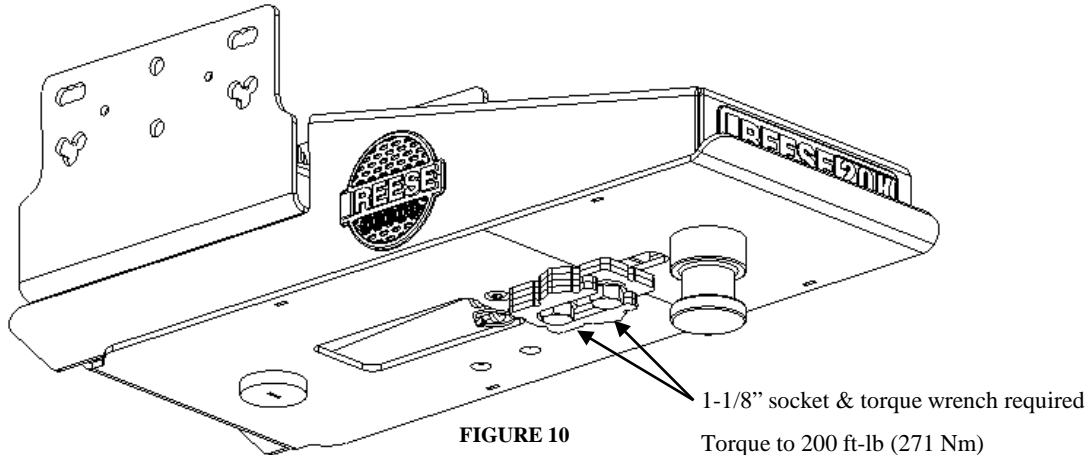
Bolts & Flat Washers Are Installed From The Outside,
Conical Lock Washers and Nuts On the Inside.

Torque Bolts To 210 ft. lbs.



HITCHING:

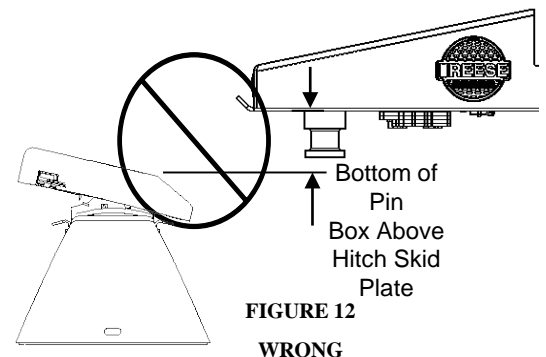
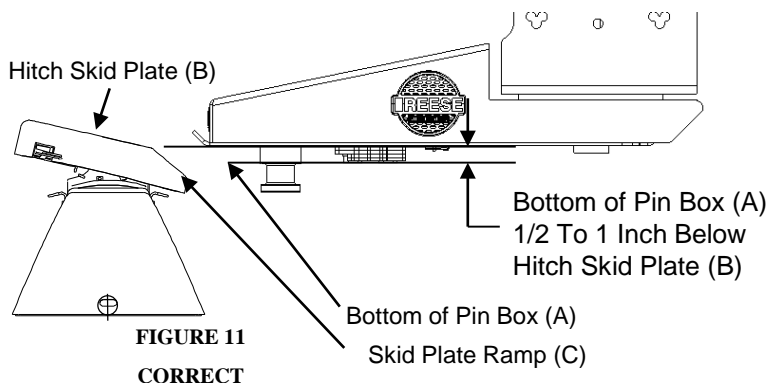
1. Remove wedge with bolts and washers from storage position and attach to wedge carrier. See page 9 to determine the correct wedge and orientation for your 5th wheel hitch. Torque bolts to 200 ft-lb (271 Nm).
CAUTION: Assure lock-out bolts have been removed if using Sidewinder with wedge installed.
2. For initial hook-up, move wedge rearward most position by rotating handle counter-clockwise (towards passenger side) to ensure kingpin engages with 5th wheel hitch.



IMPORTANT: YOU ARE RESPONSIBLE FOR SAFE HITCHING AND UNHITCHING OPERATIONS. DO NOT RELY ON OTHERS TO PERFORM THESE DUTIES. YOU MUST PERSONALLY MAKE SURE THE FOLLOWING STEPS ARE PERFORMED IN THE FOLLOWING ORDER!

⚠ WARNING:
FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN DEATH OR SERIOUS INJURY.

3. Place blocks (sometimes called “chocks”) firmly against front and rear of each trailer wheel to prevent any possible forward or rearward motion. DO NOT REMOVE BLOCKS UNTIL EACH OF THE FOLLOWING STEPS AND THE PULL TEST HAVE BEEN COMPLETED. Lower tailgate if necessary. Clearance of the lowered tailgate to the trailer needs to be monitored during hookups as some manufacturer combinations of truck and trailer have little or no clearance.
4. Using trailer jacks, adjust trailer height following the directions in the trailer manual so that bottom of trailer pin box (“A” in Figure 11) is ½ to 1 inch below skid plate (See “B” in Figure 11). During the hitching maneuver, the bottom of the trailer pin box should come in contact with skid plate ramp (“C” in Figure 11).



⚠ WARNING:

Failure to follow this instruction may result in king pin being too high and coming to rest on top of closed jaws or not completely inside jaw. This could result in trailer separating from hitch. Trailer separation may result in death or serious injury if anyone is under the trailer or between truck and trailer when separation occurs.

- Follow your hitch manufactures instructions for safe hook-up.
Note: For best wedge fitment, assure kingpin in aligned into the funnel of the 5th wheel hitch, and align the center of the hitch with the centerline of the turret (Figure 13).
- Once 5th wheel is connected to the kingpin, properly lock hitch to secure, per their instructions.
- Tighten wedge fitment by scrolling the handle underneath the pinbox towards driver's side (Figure 14). Hand tighten only.
- Once tight (wedge fully inserted into funnel opening), attach pin into handle as shown in Figure 15, to secure wedge in place.

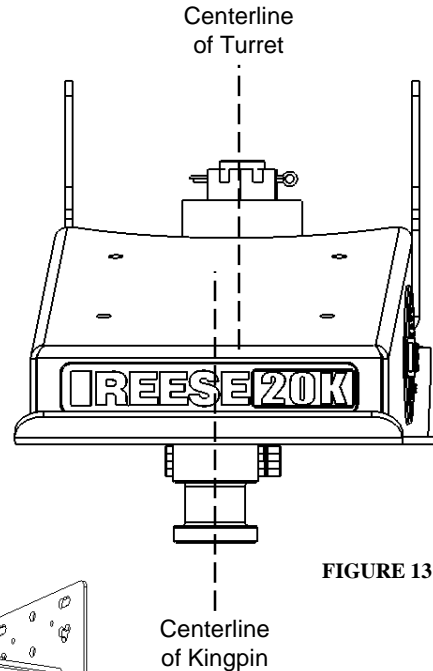


FIGURE 13

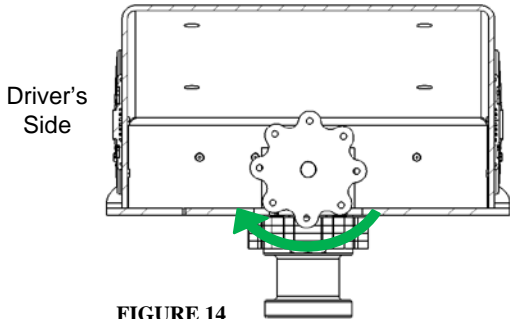


FIGURE 14

Note: To get a tighter fit, unhook and then turn the scrolling wheel towards the drivers side 2 more hole locations.

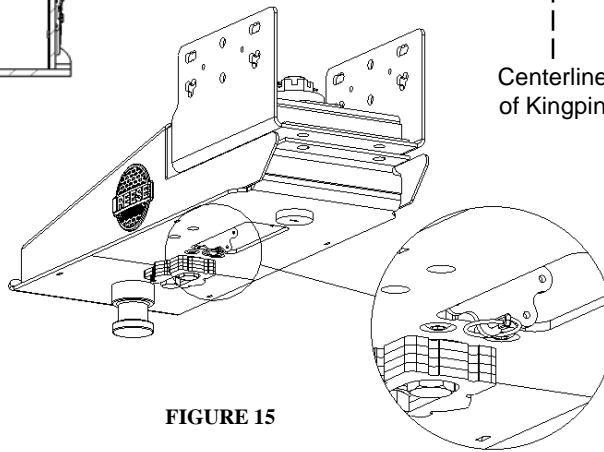


FIGURE 15

PULL TEST

WARNING:
Failure to perform pull test may result in death or serious injury

- With all trailer wheels still firmly blocked, and
- Trailer landing gear still resting on firm ground and supporting trailer weight and,
- Truck stationary and with emergency brake on:
- Make sure no one is between truck and trailer, Return to cab of truck and release truck's emergency brake. Apply trailer brakes. Try to pull trailer slowly forward with the truck. If the trailer is properly hitched, the wheel blocks and trailer brakes should keep the truck from moving forward.

NOTE: If trailer is not properly hitched, trailer will separate from hitch and truck will move forward leaving trailer behind. If you followed all previous steps, the trailer will not drop or fall.

WARNING:
Failure to keep wheels blocked and landing gear down could result in trailer suddenly moving or falling. This could result in death or serious injury!

- After successfully performing above steps, fully raise trailer landing gear (see trailer manual).
- Check and inspect all electrical circuits for proper operation. (Clearance lights, turn signals, stop lights, etc.).
- Remove and store all trailer wheel blocks.

UNHOOKING PROCEDURE**PERFORM THE FOLLOWING IN THIS ORDER:**

1. Make sure truck is in park with emergency brake on.
2. Place blocks firmly against front and rear of each trailer wheel to prevent any possible forward or rearward motion.
3. Using trailer jacks, lower trailer landing gear following the directions in the Trailer Manual until feet of landing gear are resting on firm ground.

⚠ WARNING:

Trailers that are not stable or properly hitched can fall and cause death or serious injury!
To avoid death or serious injury:

- All trailer tires **MUST** be blocked in front and behind each tire **AND**
- Trailer landing gear **MUST** be resting on firm ground **AND**
- Truck **MUST** be stationary, in park, with emergency brake on!

4. Lower truck tail gate.
5. Disconnect power cable and breakaway switch cable between truck and trailer.
6. Remove bail pin from hole in handle.
7. Pull hitch handle out completely until it latches in open position so that king pin is no longer securely grasped by hitch jaws. Trailer is now free from hitch and truck. If handle does not pull out, there is probably pressure against the jaw. To relieve this pressure, you may need to loosen the wedge fitment. If there is still pressure against the jaw, the next step is to back the truck up slightly. Reset truck emergency brake. Then pull hitch handle out completely until it latches in open position.
8. **AFTER MAKING CERTAIN NO ONE IS STANDING BETWEEN TRUCK AND TRAILER OR IN FRONT OF TRUCK**, drive truck slowly away from trailer.

⚠ WARNING

Whenever possible, avoid putting body under trailer or between truck and trailer
If you need to place any part of our body under trailer or between truck and trailer:

- All trailer tires **MUST** be blocked in front and behind each tire **AND**
- Trailer landing gear **MUST** be resting on firm ground **AND**
- Truck **MUST** be stationary, in park, with emergency brake on!

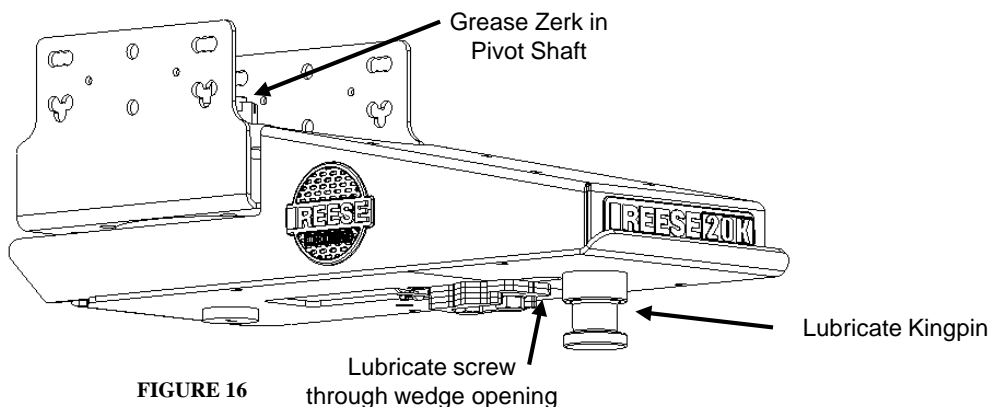
9. **KEEP WHEEL BLOCKS IN PLACE.** This will keep trailer from moving unexpectedly

MAINTENANCE:

1. Before or after each trip, wipe the kingpin & wedge clean. Apply white lithium grease to each, for ease of hitching and unhitching to lessen wear, and minimize noise of the system.

At least once per season;

1. Lubricate wedge screw with white lithium grease, working the wedge through it's entire travel will extend the longevity of your product
2. Use lithium grease to lubricate the pivot shaft, to allow for smooth function of the turret.

**FIGURE 16**

WEDGE SELECTION:

This product has unique wedges to provide the best fitment for all major 5th wheels. All Sidewinders come standard with wedge 68202, which provides fit with all Reese and Pro-Series 5th wheel hitches. For other brand hitches, please refer to the chart below.

For all wedges there are two sides – one end has 1 weld, and the other end has 2 welds. When referencing the chart, the side refers to the end that is closest to the kingpin when installed.

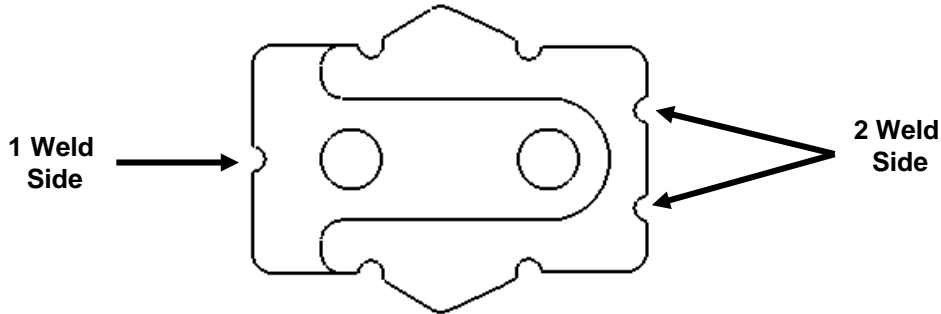


FIGURE 17

PART NUMBER		1 WELD SIDE	2 WELD SIDE
68202		REESE Elite Series REESE M-Series	REESE/Pro Series Slide Jaw REESE/Pro Series Dual Jaw
68203		CURT MFG E-Series	CURT MFG A-Series CURT MFG Q-Series
68204		Husky Demco	B&W Patriot B&W Companion
68205		PullRite	Camco

Note: For any questions about wedge fitment, please call Technical Service at: 1-800-632-3290



Product Instructions:

68220 - 20K Sidewinder

NOTES:

Part Number Purchased:
Place of Purchase:
Date of Purchase:
Part Manufactured Date (located on driver-side sticker):
Register your product using our website:
<https://www.reeseprod.com/register-product>

LIMITED LIFETIME WARRANTY

- 1. Limited Lifetime Warranty (“Warranty”).** Horizon Global (“We” or “Us”) warrants to the original consumer purchaser only (“You”) that the product will be free from material defects in both material and workmanship for a period of lifetime of ownership, ordinary wear and tear excepted; provided that installation and use of the product is in accordance with product instructions. There are no other warranties, express or implied, including the warranty of merchantability or fitness for a particular purpose. This warranty is not transferable.
- 2. Limitations on the Warranty.** This Warranty does not cover: (a) normal wear and tear; (b) damage through abuse, neglect, misuse, or as a result of any accident or in any other manner; (c) damage from misapplication, overloading, or improper installation; (d) improper maintenance and repair; and (e) product alteration in any manner by anyone other than Us, with the sole exception of alterations made pursuant to product instructions and in a workmanlike manner.
- 3. Obligations of Purchaser.** To make a Warranty claim, contact Us at 47912 Halyard Drive Suite 100, Plymouth, MI, 48170, 1-800-632-3290, identify the product by model number, and follow the claim instructions that will be provided. Any returned product that is replaced by Us becomes our property. You will be responsible for return shipping costs. Please retain your purchase receipt to verify date of purchase and that You are the original consumer purchaser. The product and the purchase receipt must be provided to Us in order to process Your warranty claim.
- 4. Remedy Limits.** Product replacement is Your sole remedy under this Warranty. We shall not be liable for service or labor charges incurred in removing or replacing a product or any incidental or consequential damages of any kind.
- 5. Assumption of Risk.** You acknowledge and agree that any use of the product for any purpose other than the specified use(s) stated in the product instructions is at Your own risk.
- 6. Governing Law.** This Warranty gives You specific legal rights, and You also may have other rights which vary from state to state. This Warranty is governed by the laws of the State of Michigan, without regard to rules pertaining to conflicts of law. The state courts located in Oakland County, Michigan shall have exclusive jurisdiction for any disputes relating to this Warranty.

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