## PIN BOX SHOWN ASSEMBLED

### Equipment Required:
- **Fastener Kit:** ST100F
- **Wrenches:** 15/16", 1 1/8"
- **Drill Bits:** Not Required
- **White Lithium Grease, Torque Wrench**

### Do Not Exceed Lower of Towing Vehicle Manufacturer’s Rating, Trailer Manufacturer’s Rating or

<table>
<thead>
<tr>
<th>Max Gross Trailer WT (LB)</th>
<th>Max Pin WT (LB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19,000 LB</td>
<td>3,800 LB</td>
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</tbody>
</table>

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**WARNING:**
Failure to follow all of these instructions may result in death or serious injury!

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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 19,000 pounds for this product.
• King pin weight must not exceed 3,800 pounds (See Fig. 3). If in doubt have king pin weight measured by qualified facility.

1. Check Tow Ratings:
   Vehicle Tow Rating: ________________
   19K Sidewinder Pin Box Rating: ____________
   Gross Trailer Weight (Figure 2): ____________
*Trailer weight should be the lowest of these recorded ratings for safe towing conditions.

2. The Sidewinder™ pin box is designed for a maximum of 20% Gross Trailer Weight on the pin (Pin Weight). See Fig. 3

3. Trucks & RV Trailers come in many different configurations; Installations of 5th Wheel Hitches often vary by installer, it is necessary to check the clearances in figures 4 & 5 before hook up and towing with Sidewinder™.

Pre Hook-up Clearance Check
1. Cab Clearance

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 – CON’T

II. Bumper Clearance

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.

4. 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 6). For off-road use allow more clearance between pickup walls and trailer.

CAUTION:
The Measurements in figures 4, 5 & 6 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. CPP is not responsible for damage incurred due to disregarding these clearance checks.

⚠️ WARNING:
Check Compatibility of Your 5th Wheel Hitch With The Sidewinder™ or 5th Airborne Sidewinder™

For Reese Compatibility Information Visit our Website at: www.reeseprod.com

Refer to the specific product page for Sidewinder™ or 5th Airborne Sidewinder™ for 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
Installation Instructions

19K Sidewinder™

ASSEMBLY INSTRUCTIONS – For Pre-Assembled OEM Models use this section as a point of reference.

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. Cequent Performance Products recommends using at least the same number of bolts upon installation as removed from the original pin box. (Figure 7)

![Figure 7: Mounting Wing Set](image)

2. Check all boxes for all components listed in figure 1. Locate the part information and record it on page 12.

3. 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)

4. Check that the new turret fits into the mounting wing set and that the holes align.

5. Install pivot bushing into the turret as shown in figure 8. Applying white lithium grease to the inner tube of the turret may ease assembly. Install wear plate onto sidewinder arm (Figure 9), be sure to place the chamfer facing down (Figure 10). Apply white lithium grease to the surfaces shown in figure 11, be sure to coat the entire surface.

6. Install turret onto Sidewinder™ arm over the wear plate.

![Figure 8: Pivot Bushing](image)

![Figure 9: Wear Plate](image)

![Figure 10: Chamfer](image)

![Figure 11: Surfaces to Coat with Grease](image)

7. Install the upper wear disc and outer cap. Install (4) 5/8” Cap bolts & 5/8” conical washers, do not fully tighten these bolts at this time (figure 12).

![Figure 12: Upper Wear Disc and Outer Cap](image)
ASSEMBLY INSTRUCTIONS – CON’T

8. Before attempting to fully tighten the (4) 5/8-11 cap bolts, it is necessary to check that the upper wear disc is properly positioned. Refer to the figures below (figure 13).

Upper Wear Disc Must Seat Around the pivot tube of the arm as shown.

Note:
Pivot tube is only expected to exceed height of tube in turret by 0.125”. (Just enough to capture a portion of top plate).

Figure 13

9. Tighten (4) 5/8-11 cap bolts as shown, repeat pattern 2-3 times.

• Torque (4) Bolts to 150 ft-lbs to assure turret is fully seated, then back off fasteners and re-torque (4) Bolts to 45 ft-lbs.

Repeat pattern 2-3 times

Figure 14
DANGER: Do Not install a wedge without removing the Lock-Out Bolts. Never operate without a wedge if the Lock-Out bolts are not installed. Doing this will create a double pivot and could result in death or serious injury and/or damage to the tow vehicle and trailer.
Installation Instructions
19K Sidewinder™

Activating the Sidewinder™ Feature:

1. Remove (2) ¾” Lock-Out bolts and hardware from the rear of the pin-box (figure 17).
2. Remove the universal wedge from its storage location by removing (2) 5/8-11 X 1 3/4” bolts and conical washers.

*Note: The universal wedge is supplied with the unit and provides a lockout for many different fifth wheel hitches.
Cequent Performance Products offers custom wedges designed for specific fifth wheel hitches, check with your RV dealer or call CPP customer service at 1-800-632-3290 to see if we offer a custom wedge for your hitch application for purchase. If a custom wedge is available for your hitch application, CPP recommends replacing the universal wedge with a custom wedge to provide the best fit for your hitch. The universal wedge should remain with the unit as it may be necessary if breakdown occurs to fit a tow vehicle other than your own.

Universal Wedge Orientation:

Before installing the universal wedge in position it is necessary to decide the best orientation for your hitch application. This can be done by referencing the diagrams below.

Orientation for Reese/Draw-Tite/Hidden Hitch Select Series, Pro Series, Husky & similar style fifth wheel heads.


Figure 18
Wedge In Storage Location

Figure 19
Wedge In Position for Sidewinder™ Feature Activation

Figure 20

Figure 21
Relief Must Face Down for these applications in order to clear the jaw.
Installation Instructions

19K Sidewinder™

Activating the Sidewinder™ Feature Cont.:

3. Install the universal wedge into the position for Sidewinder™ feature activation (figure 19), in the proper orientation for your fifth wheel. The bolts will not be fully tightened at this time. Only tighten the (2) 5/8-11 X 1 3/4" wedge bolts until the conical washers begin to engage. The wedge should be allowed to slide with the rap of a hammer or mallet.

4. Apply grease to the surface on both sides of the wedge, around the kingpin, and the skid plate surface as shown in figure 22. *For all Fifth Wheel Heads, lubricate the area where the jaw passes under the wedge.

![Apply grease to surface on both sides of the wedge.](image1)

*Lubricate the area where the jaw passes under the wedge

![Grease around the kingpin.](image2)

5. Hook-up to the fifth wheel trailer following the hitching procedure in this manual, for proper latching of the fifth wheel hitch refer to the owners manual for your fifth wheel hitch.

6. Raise the trailer landing gear and drive the truck and trailer forward a few feet so that the truck and trailer are in a straight line.

7. Put the vehicle in park and apply the emergency brake. Block the trailer wheels and lower the trailer landing gear so the landing gear is resting firmly on the ground and supporting the trailer weight. Tap the wedge firmly forward until it will no longer travel.

8. Attempt to tighten both wedge bolts. Both bolts may not be accessible while the unit is hitched, in these cases tighten the most accessible bolt (usually the rear); these bolts will later be tightened to the proper torque value.

9. Unhitch the trailer from the tow vehicle following the unhitching procedure in this manual.

10. Torque (2) 5/8” Wedge Bolts to 150 ft-lbs (figure 23). A thin walled socket may be necessary.

11. The wedge adjustment should be adjusted or checked for proper adjustment before each trip. If a different fifth wheel hitch is used after this adjustment, it is necessary to readjust the wedge for the specific fifth wheel hitch.

![Torque (2) 5/8” Wedge Bolts to 150 ft-lbs.](image3)
HITCHING PROCEDURE:

**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.

1. 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.

2. Using trailer jacks, adjust trailer height following the directions in the trailer manual so that bottom of trailer pin box (“A” in Figure 2) is \( \frac{1}{2} \) to 1 inch below skid plate (See “B” in Figure 2). During the hitching maneuver, the bottom of the trailer pin box should come in contact with skid plate ramp (“C” in Figure 2).

**HITCHING PROCEDURE:**

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**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. (See Fig. 6/7). 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.

3. Open the jaw on the fifth wheel head – refer to the instructions for your fifth wheel head for proper fifth wheel hitch latch operation.

4. Back truck slowly into trailer. Note: Truck and trailer must be straight in-line for the wedge to enter into the fifth wheel funnel.

5. Latch fifth wheel hitch in closed position according to the instructions for your fifth wheel hitch.

5. With all trailer wheels still firmly blocked, landing gear still resting on firm ground and supporting trailer weight, and truck stationary and in park with emergency brake on: visually check that bottom of pin box is resting on top of the hitch. THERE SHOULD BE NO SPACE BETWEEN THESE SURFACES (see Figure 6). If space exists, (see Figure 7) trailer has not been properly hitched. DO NOT TOW! Instead, repeat above steps until trailer is properly hitched. **DO NOT PLACE BODY UNDER TRAILER TO PERFORM THIS INSPECTION!**

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Installation Instructions

19K Sidewinder™

6. With:
   • All trailer wheels still firmly blocked in front and behind each tire, and
   • Truck stationary with the emergency brake on, and
   • Trailer landing gear still resting on firm ground and supporting trailer weight; and
   • Truck stationary and with emergency brake on:

   Connect electrical cable between truck and trailer, connect breakaway switch cable from pin box to a permanent part of truck, and raise tailgate of truck. Do not tow trailer until the Pull Test has been successfully completed.

   ! WARNING:
   Do not attempt to hitch by using trailer jacks to lower trailer and king pin. This could result in king pin coming to rest on top of skid plate instead of within hitch opening where jaws are located. King pin could slide off hitch and trailer could drop, resulting in death or serious injury (see Figure 9).

   ![Figure 9](image)

   WARNING:
   • Connection for trailer wiring should be in the side of the truck bed between the driver’s seat and the wheel well for the back truck axle
   • Installation of connection rearward of the wheel well may result in user placing body between truck and trailer. WHENEVER POSSIBLE, AVOID PUTTING BODY UNDER TRAILER OR BETWEEN TRUCK AND TRAILER!
   • If you need to place any part of your 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!

PULL TEST

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

1. With all trailer wheels still firmly blocked, and
2. Trailer landing gear still resting on firm ground and supporting trailer weight and,
3. Truck stationary and with emergency brake on:
4. 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!

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

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BEFORE EACH TRIP:

1. CHECK YOUR EQUIPMENT: Check the condition of all of your towing equipment and keep it in top condition.
2. Check that the torque of the (4) cap bolts is 45 ft-lbs, refer to figure 14 in this manual.
3. Check to see that all bolts are properly tightened.
4. Check wedge engagement in the fifth wheel jaw, refer to wedge adjustment portion of this manual.

MAINTENANCE:

1. For ease of hookup: frequently lubricate the wedge surfaces, around the king pin, and the skid plate surface, apply a lithium grease to the bearing surfaces as described in the assembly section of this manual. (Note: Resistance is typical in the Sidewinder™ arm)
2. Keep pin-box hitch painted to prevent rust and maintain a good appearance. (Do Not paint over labels)
3. At least once per season, disassemble unit to clean, inspect, lubricate and re-torque fasteners.
LIMITED LIFETIME WARRANTY

1. **Limited Lifetime Warranty** ("Warranty"). Cequent Performance Products, Inc. ("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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