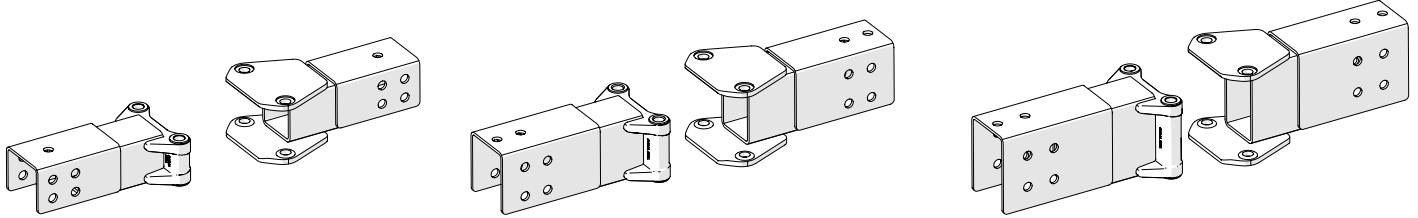


Tie Down's SwingKing™ bolt-on swing tongue kit converts a normal tongue into a swing tongue, perfect for those needing extra space when storing a trailer. Includes all mounting hardware, including pull pin with lanyard.



Part ID: 86510 3x3 Galvanized Kit  
Part ID: 86511 3x3 Black PC Kit

Part ID: 86512 3x4 Galvanized Kit  
Part ID: 86513 3x4 Black PC Kit

Part ID: 86514 3x5 Galvanized Kit  
Part ID: 86515 3x5 Black PC Kit

**Read, understand and follow all instructions and warnings before installing and using this product. Install and use this product only as specified in these instructions. Improper installation or use of this product may result in property damage, serious injury, and/or death. Never allow installation or use of this product by anyone without providing them with these instructions. You must read, understand and follow all instructions and warnings for any product(s) to which this product is used in conjunction with or installed.**

**⚠ WARNING ⚠ Failure to follow all warnings and instructions may result in product failure, property damage, serious bodily injury, and/or death.**

- Purchaser/owner must ensure that product is installed according these instructions. Purchaser/owner must not alter or modify product.
- Operator and bystanders should never position any part of body under any portion of this product or the load being supported.
- Do not allow children to play on or around this product or the load being supported.
- Never exceed maximum rated capacity of coupler, actuator, trailer or pivot length / GTWR. Refer to stamped markings or decals on the coupler and actuator to obtain rated capacity. If uncertain, contact Tie Down at 404-344-0000.
- The rated capacity of pivot brackets is as specified on the following pages.
- Weigh your trailer plus added load. Do not exceed lesser of coupler, hitch, hitch ball, vehicle or trailer weight ratings.
- Do not attach safety chains to the coupler, swing tongue or their existing hardware. Safety chains' attachment point must be behind castings on the trailer tongue.
- Mount SwingKing products to trailer tongues made only of steel. Trailer tongues to be 3"x3" , 3"x4" , or 3"x5" outside dimensions with a material thickness between .188" and .120".

**Before Towing:**

- Check swing tongue for signs of wear or damage. Refer to Installation Instructions for proper torque. Replace any worn or damaged components with Tie Down components. For replacement components call Tie Down Customer Service Department at 404-344-0000.
- Ensure safety chains are long enough for tight turns but not dragging and are properly connected to the towing vehicle and trailer (crossed, right to left and left to right).
- Ensure that all trailer lighting is hooked up and working correctly.
- Check that the wiring is properly connected but loose enough to make turns without disconnecting or damage. Be sure that wiring is not dragging and clear of safety chains.
- When pivoting coupler be sure wiring and brake lines are not pinched between hinges. Pinching could damage wiring/lines.
- Be sure that pivot bolt/locknut and hinge pin/hairpin cotter pin are installed and secured with the coupler in the towing position before towing.
- Contact trailer manufacturer for replacement labeling removed from trailer during installation.

**⚠ WARNING:** This product can expose you to chemicals including Nickel, which is known to the State of California to cause cancer. For more information go to: [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Instruction #08398 (A1894 - Rev. 4/13/23)

# Installation Instructions

## Prior to working on modifying your trailer, ensure that the following safety precautions are taken:

- Read, understand and follow all tool manufacturers' safety instructions.
- Always wear safety glasses and protective gloves.
- Use a jack stand (not the trailer jack) to support tongue. Chock all tires/wheels to ensure stable working conditions on trailer.
- Do not mount any accessories to the SwingKing tongue (i.e. jack, spare tire carrier, winch stand).
- Remove any wiring and brake lines from trailer tongue prior to any cutting or drilling. Upon completion of installation, all wiring/lines should be properly re-routed and connected.

### Tools Recommended:

1/2" Drive Ratchet	Tape Measure
15/16" Open End Wrench & Socket	Safety Glasses
3/4" Open End Wrench & Socket	Gloves
7/16" Socket (for Torx bit)	Centerpunch
Metal Cutting Saw	Clamp
1/2" Chuck Drill	Square Hammer
Drill Bits (1/8", 1/4", 3/8", & 1/2")	Jack Stand
Torque Wrench (Capable of 80 ft-lbs)	Wheel Chocks

3" x 3"		
Gross Trailer Weight Rating (lbs.)	Max. Tongue Load (lbs.)	Max. Pivot Length (in.)
5,000	500	24"
4,700	470	27"
4,200	420	30"
3,800	380	33"
3,500	350	36"
3,200	320	39"
3,000	300	42"
2,800	280	45"
2,600	260	48"

3" x 4"		
Gross Trailer Weight Rating (lbs.)	Max. Tongue Load (lbs.)	Max. Pivot Length (in.)
7,500	750	27"
7,000	700	30"
6,500	650	33"
6,000	600	36"
5,500	550	39"
5,000	500	42"
4,500	450	45"
4,000	400	48"

3" x 5"		
Gross Trailer Weight Rating (lbs.)	Max. Tongue Load (lbs.)	Max. Pivot Length (in.)
9,000	900	27"
8,200	820	30"
7,450	745	33"
6,800	680	36"
6,250	625	39"
5,800	580	42"
5,350	535	45"
5,000	500	48"

### Step 1 - Measure and Cut Trailer Tongue Section

- Before starting, be certain to follow all safety precautions as described in these instructions.
- Support trailer tongue with jack stand behind the approximate area of trailer tongue removal.
- Measure from the center of coupler ball pocket the desired swing length back and mark (see illustration and chart for maximum lengths). Be certain the mark is at least 5" from any obstruction (i.e. winch stand, jack bracket, etc.). Using a square, scribe a line around trailer tongue to indicate cut location. Before cutting, verify measurements.
- Remove all wiring and brake lines from the trailer tongue so it is not cut or damaged during installation.
- Cut trailer tongue along scribe line, being certain to follow all safety and operating guidelines of products used. Be careful of sharp edges or burrs and remove if present.

### Step 2 - Drill and Attach Safety Chains

- Along each side of trailer tongue, measure from cut end (See chart below) and mark location. Measure 1" up from bottom and mark location. At line intersections, use center punch to mark drill locations for safety chain bolts. Drill to 1/2".

Tube Size	Measurement From Cut End
3x3	4.75"
3x4	5.75"
3x5	6.50"

- Secure safety chains using two separate 1/2" bolts and lock nuts for each. Torque to 45 ft-lbs.

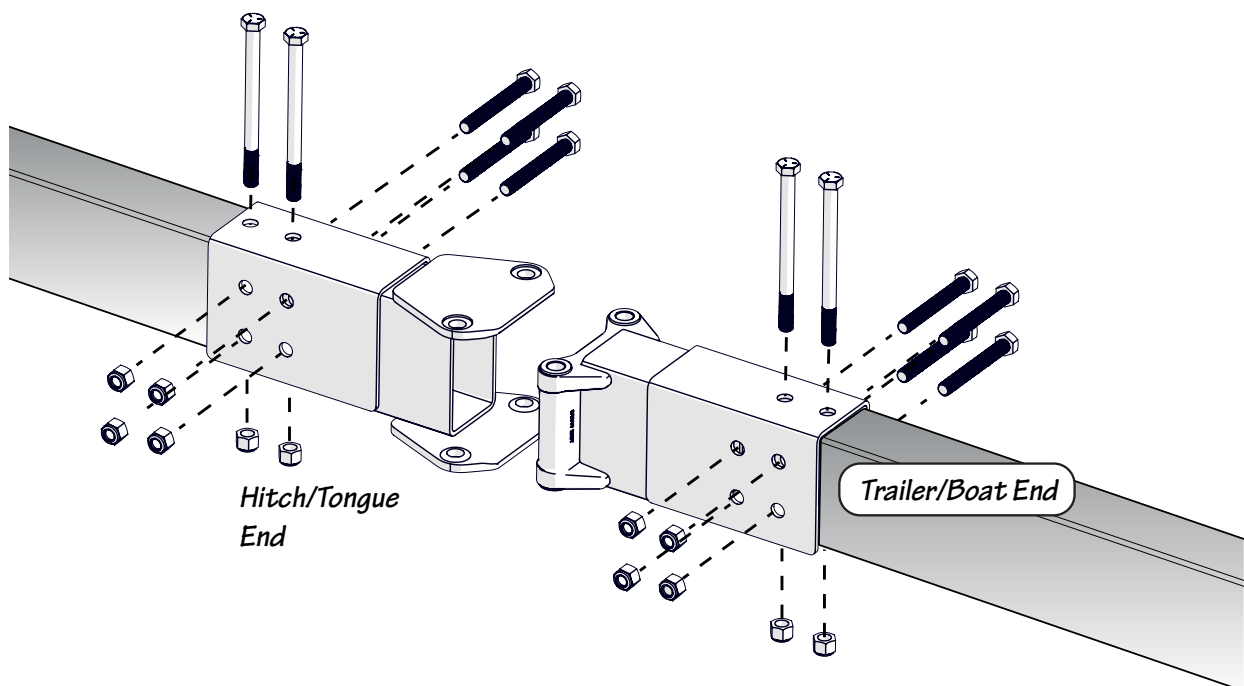
# Installation Instructions

## Step 3 - Drill and Attach Castings

- A. Place "male casting" on trailer tongue until tube meets the stops inside the casting making sure it is straight. Temporarily secure with clamp.
- B. Using transfer punch, mark locations of holes on trailer tongue, top and bottom. With center-punch, expand locator marks for drilling.
- C. Remove casting and drill 1/8" holes at center marks. Be sure to drill square to the trailer tongue. Only drill through one side at a time.
- D. Increase the 1/8" diameter holes to 1/4" holes. Then increase the 1/4" diameter holes to 3/8". Increase again to 1/2". Carefully remove metal shavings and burrs.
- E. Replace male casting over trailer tongue as shown below and loosely attach the provided nuts and bolts. Tighten all fasteners with 3/4" box end wrench and T55 Torx bit. Torque each to 75 ft-lbs.
- F. Place remaining casting over swing tongue and attach in the same manner as previously described making sure the coupler holes are positioned correctly.
- G. Attach swing tongue to trailer tongue by mating castings together. Apply light grease to 5/8" pivot bolt. Secure through the castings with 5/8" lock nut and torque to 50 ft-lbs.
- H. Insert lightly greased hinge pin through top of castings. Secure hinge pin with hairpin cotter.
- I. Remove hinge pin and pivot swing tongue to verify that system works correctly. If product is to be primed, painted, or galvanized any excess buildup will need to be removed. Make sure operation has not been impaired.

## Step 4 - Rerouting Wiring, Brake Lines and Chains

- A. Pull trailer wiring back through the trailer section and into the swing tongue. Make sure to reattach any ground wires that may have needed to be removed during installation.
- B. Route wiring through swing tongue in a way to prevent wiring from rubbing on sharp edges.
- C. Place coupler over swing tongue and secure. Use (1) 1/2-13 x 4.00" hex bolt through rear holes of coupler and 1/2-13 x 1.25" hex bolts for forward holes. Secure with 1/2" lock nuts and torque to 75 ft-lbs.
- D. Route safety chains through guide on bottom of swing tongue. Check that safety chains are long enough to reach a tow vehicle and will not bind or drag during normal towing conditions.
- E. Close swing tongue, being certain not to pinch wires and lock into place with hinge pin. Ensure that the hairpin cotter is in place through the hinge pin. Check for proper operation of trailer lighting. Trailer is now ready for towing.



# Warranty Information

## Limited Warranty

Tie Down, Inc. (Tie Down) warrants to the original consumer purchaser only ("You") that the product purchased will be free from material defects in both material and workmanship for a period of (i) five years for SwingKing products. The foregoing warranty is valid only if the 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. If the product does not comply with the applicable limited year warranty, this limited warranty is not transferable.

## Limitations on the Warranty

This limited warranty does not cover the following but not limited to:

- 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, including welds.
- D. Improper maintenance and repair.
- E. Product alteration in any manner by anyone other than Tie Down.
- F. Cosmetic changes such as rust.

## Obligations of Purchaser

You must retain a copy of YOUR original purchase receipt to verify the date of purchase. All warranty claims must to be sent to Tie Down warranty department within 15 days of the issue occurring at: [warrantymanager@tiedown.com](mailto:warrantymanager@tiedown.com). Please make sure you include the part number purchased, a copy of the receipt, pictures of the product showing the issue with a brief description. Any returned product that is replaced by Tie Down becomes our property. We will require the product back before a replacement can be sent.

## Remedy Limits

Repair or replacement is Your sole remedy under this limited warranty or any other warranty related to the product. We shall not be liable for service, towing or labor charges incurred in removing or replacing a product or any incidental or consequential damages of any kind. 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.

## Governing Law

This limited warranty gives You specific legal rights, and You also may have other rights which vary from state to state. This limited warranty is governed by the laws of the State of Georgia, without regard to rules pertaining to conflicts of law.



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605 Stonehill Drive SW, Atlanta, Georgia 30336  
404-344-0000 • [www.tiedown.com](http://www.tiedown.com)  
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