



## **CORRECT TRACK II**

### **Bolt-on System**

By Rieco Titan Products Inc.  
965 Lambrecht Road  
Frankfort, IL 60423  
815.464.7400

### **Laser Alignment Tool & Plumb Bob with Measuring Tape Instructions**

#### **Benefits:**

1. Align axles to kingpin or coupler.
2. Spread axles for more clearance between tires.
3. Increases tire life.
4. Reduce tire sidewall heating.
5. Adjust up to 1 ½ inches front to back, in ¼ “increments.
6. Increase fuel mileage by not dragging misaligned tires.
7. Keep trailer straight when braking.

**\*READ ALL INSTRUCTIONS BEFORE STARTING INSTALLATION.**  
**\*Watch the included video to familiarize yourself with the system.**

# Using the Laser Measuring Tool

## Preferred and Most Accurate Method

### Front Axle

1. Trailer must be on a level surface side-to-side and front to back before starting installation and doing measurements.
2. Level trailer front to back, using only front jack(s).
3. Make sure tires are properly inflated.
4. Draw a diagram on paper, showing the axles of the trailer. You may also use an inspection form, provided in the kit.
5. Attach laser tool to the king pin or ball coupler, making sure the tool is centered left to right of the frame. Use the plate which the king pin cup or ball is attached to as a guide for centering the post to the frame.
6. Make sure the level bubble is centered before making any measurements.
7. Mark the ground around the base plate so when re-measuring, the base will be setting in the same location.
8. Place tire target in front of the left front tire, with one of the vertical cross hairs aligned to the center point of the tire. Use a square to ensure the target is square to the side of the tire.
9. Using the laser tool, measure to a cross hair on the target and record measurement. Check that the same cross hair is accessible on the opposite side of the trailer.
10. Move the target to the right front tire, align and measure as instructed above.
11. Check measurements and note which side of the axle needs to be moved forward or rearward. Your goal is to bring the left and right side measurements within 1/8 of each other.

### REAR AXLE

1. Measure between front hub and rear hub using a tape measure.
2. Repeat on other side. Record all measurements
3. Based on the movements to correct the front axle. Decide what must be done to make the rear axle run parallel to the front axle.

**Note:** We recommend inspecting all shock absorbers, spring eyes, shackles and the equalizer for wear. This is a good time to do a brake inspection on older trailers.

**Be Sure to:** Replace all inserts (plastic or bronze bushings) in the equalizer and springs with the new Correct Track NeverFail© bushings. This will increase the life of the alignment correction by preventing premature suspension system parts deterioration. Your customer will also appreciate that NeverFail© bushings require no periodic maintenance.

# Using A Plumb Bob and Tape Measure

## Alternate Method

### Front Axle

1. Trailer must be on a level surface side-to-side and front to back before starting installation and doing measurements.
2. Level trailer front to back, using only front jack(s).
3. Make sure tires are properly inflated.
4. Draw a diagram on paper, showing the axles of the trailer. You may also use the inspection form provided in the kit.
5. Go to the King Pin or Ball Receiver of the trailer and mark the center line, going from left to right of the trailer. **This is very important in order to get a proper measurement to the axle.**
6. Hold the string of the Plumb Bob up to the centerline mark and allow the Plum Bob to hang down, just above the ground.
7. When the Plum Bob settles down and is no longer swinging. Have someone mark the ground directly below the point of the Plum Bob.
8. Repeat lines 6-7 to verify the correct spot, allowing the Plum Bob to drop even closer to the ground.
9. Locate a point on both the front axle's left U-Bolt Plate and right U-Bolt Plate. Each must be the same distance from the wheel.
10. Using a tape measure, measure from the right U-Bolt Plate point to the marked spot on the ground. Re-measure for accuracy then record your measurement.

**NOTE: Make sure the tape is pulled taunt, in order to get a reliable dimension.**

11. Measure from the left U-Bolt Plate point to the marked spot on the ground. Re-measure for accuracy then record your measurement.
12. Check measurements and note which side of the axle needs to be moved forward or rearward. Your goal is to bring the left and right side measurements within 1/8 of each other.

### Rear Axle

1. Measure distance between the right front and rear hubs.
2. Repeat on the left side and record measurements for both sides.
3. Based on the movements to correct the front axle. Decide what must be done to make the rear axle run parallel to the front axle.

**Note: We recommend inspecting all shock absorbers, spring eyes, shackles and the equalizer for wear. This is a good time to do a brake inspection on older trailers.**

**Be Sure to: Replace all inserts (plastic or bronze bushings) in the equalizer and springs with the new Correct Track NeverFail© bushings. This will increase the life of the alignment correction by preventing premature suspension system parts deterioration. Your customer will also appreciate that NeverFail© bushings require no periodic maintenance.**

# Installation of CTII

1. **Disconnect Battery and LP Gas**
2. Support the trailer with jack stands that are rated to carry trailer weight.
3. Block tires on one side of the trailer.
4. Remove the wheels on the other side. Using jacks to support the axles, remove the spring and equalizer bolts from the hangers.
5. We strongly suggest replacing all the bushings in the springs and the equalizer at this time. Also, if the shackle holes or equalizer/center hanger holes show any signs of wear, replace them now so you will get a better alignment.

## Parts List

(For a tandem axle kit.)

### **Hanger plates with welded shims**

4 - Equalizer/Center hanger plates. These have two 9/16" holes and one 1/2" x 1 5/8" horizontal slot.

8 - Spring hanger plates. These have one 9/16" hole and one 1/2 x 1 5/8" vertical slot on top and one 9/16" x 1 5/8" horizontal slot on bottom of the plate.

### **Hardware**

6 - 2 x 3 x 1 7/8" spacers

6 - 1/2" - 20 x 3 1/2 bolt

6 - 1/2 "locking nuts

12 - 1/2 washers

12 - 9/16" x 4" bolts

12 - 9/16" locking nuts

12 - 9/16" washers (NOT for use on cams)

8 - Correct Track cams (octagon shape) with one 9/16" hole

## Hanger Preparation

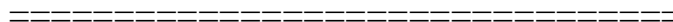
1. With bolts removed from hangers, use the jacks to lower the axles about 2 inches.
2. Turn a CT II Center/Equalizer hanger plate upside down. Place a 9/16 x 4" bolt through the center hole of the plate and bottom hole of the hanger.
3. Make sure the top hole of the plate is **not** overlapping a hole in the hanger.  
- **The new hole must not break into another hole.**
4. If there is an overlap of a hole, turn the plate upright.
5. Make sure the sides of the hanger and CT II plate are aligned.
6. Clamp the pieces together.

7. Using the hole or slot as a guide, take a ½ inch drill bit and spot a hole in the top of the hanger. **Try to place the hole as high up as possible without braking into another hole.**
8. Use a ¼” drill bit to finish drilling through the spot in the ONE SIDE of the hanger.
9. Do the same to the backside of the hanger. (Steps 2-6). - **Do not** try to drill the pilot hole in the backside of the hanger by using the front hole as guide. These holes **must be** perfectly aligned or else the plates will not fit properly.
10. Repeat steps 2-7 for the remaining spring hangers and the equalizer/center hanger.
11. Drill open all the ¼” drilled holes to ½ inch.

### **Installation of Plates**

1. Place CT II Spring Hanger Plates on the outsides of the spring hanger. (*These are the plates with two slots in them, one 9/16” x 1 5/8” horizontal and one ½” x 1 5/8” vertical.*) Insert the 2 x 3 x 1 7/8 spacer in the center of the hanger. Align the center hole of the plate with the bottom hole of the hanger and insert a 9/16” x 4” bolt with washer through the plate, spacer, and hanger. Install a nut and washer on the backside and snug it up.
2. Use a ½-20 x 3½ bolt with washer to go through the slot, hanger spacer, and drilled hanger holes. Install a nut and washer on the backside and snug it up.
3. Repeat steps 1& 2 on the other spring hanger, or hangers.
4. Install the Equalizer/Center Hanger Plates the same as the Spring Plates. (*These plates have two holes and one vertical slot.*)
5. Tighten all installed bolts to 60 ft. lbs.
6. Use jacks to raise axle, this will bring the spring eye back up into the hanger area.
7. Start with the equalizer hanger. Bolt together, using a 9/16” bolt, washers and nut.
8. Tighten the nut until there is about 1/32” of play between the two Correct Track plates and the equalizer.
9. Using the measurements recorded on paper; determine how much adjustment is needed on each of the axles. Each notch of the octagon when turned is approximately ¼ of an inch of adjustment.
10. Start on the front spring hanger. Place an octagon cam over a 9/16” bolt. The cam should hang down. Thread the bolt through the plates and spring. Place a second octagon cam on the backside of the plate. Just start the nut so the assembly doesn’t fall apart. **(Octagons are used ONLY on Spring Hangers)**
11. Make sure the cams are seated and locked between their side rails. This is done by slowly raising and/or lowering the axle and /or the trailer frame to move the cam into position.
12. Repeat steps 10&11 on remaining spring hanger(s).
13. Tighten all the nuts until there is about 1/32 inch of play between the Correct Track plates and springs.
14. Verify that all nuts and bolts are tightened properly.
15. Reinstall wheels.

16. Repeat instructions for the second side of the trailer.
17. Verify Alignment as directed below.



## Verify Alignment

1. Level trailer front-to-back using only the front jack(s).
2. **Refer to and follow the instructions for your measuring method.**
3. Carefully take new measurements and record them on paper.
4. Measurements from the hitching point to the left and right side of the front axle should be within 1/8" of each other.
5. Check that the front and rear axles are running parallel to each other.(They should also be within 1/8" of each other.)
6. Make sure you consider the effect an adjustment makes on the other axle.
7. Follow **Re-Aligning Your Axles** (below) if needed.

\*\*\*\*\* **RE-ALIGNING YOUR AXLES** \*\*\*\*\*

1. Release pressure on cam bolt by jacking up the frame. Stop just before the tire is lifted off the ground.
2. Remove nut from backside of cam bolt.
3. Tap end of bolt until the cam clears the locking tabs.
4. Rotate cam to get desired movement of axle. The jack may have to be adjusted up or down in order to get the cam aligned with the locking tabs on the hanger.



Record Measurements for future references.

1. Kingpin or coupler to front right axle with weight on axles. \_\_\_\_\_
2. Kingpin or coupler to front left axle with weight on axles. \_\_\_\_\_
3. Front axle to rear axle right side with weight on axles. \_\_\_\_\_
4. Front axle to rear axle left side with weight on axles. \_\_\_\_\_

Measurements of new Correct Track II System

5. Kingpin or coupler to front right axle with weight on axles. \_\_\_\_\_
6. Kingpin or coupler to front left axle with weight on axles. \_\_\_\_\_
7. Front axle to rear axle right side with weight on axles. \_\_\_\_\_
8. Front axle to rear axle left side with weight on axles. \_\_\_\_\_

For technical help call Sonny @ 574-370-4515 or 866-403-9803  
sonny@riecotitan.com

## LIMITED WARRANTY

Warranted against manufacturing defects and workmanship for two (2) years from date of purchase. Within this period, RIECO-TITAN PRODUCTS, INC. will at its option, repair or replace the product or any part thereof without charge for parts and labor. To exercise the warranty the original consumer-owner must return the original invoice, and the product freight prepaid and insured to RIECO-TITAN PRODUCTS, INC.

This warranty does not apply in the following cases; Improper installation, misuse, failure to follow installation and operating instructions, alteration, abuse, tampering, accident, or acts of God or nature.

All statements, technical information and recommendations contained herein are based on tests we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and the following is made in lieu of all warranties, expressed or implied. Seller and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective in accordance with published Warranty Policy. Neither seller nor manufacturer shall be liable for any injury, loss or damage, service direct or consequential arising out of the use of or the inability to use the product. Before using, user shall determine the stability of the product for his intended use and user assumes all risk and liability whatsoever in connection therewith.

Except as provided herein, RIECO-TITAN PRODUCTS, INC. makes no express warranties and any implied warrant of merchantability or fitness for a particular purpose is limited to the duration of the written limited warranties set forth herein.

There will be charges rendered on repairs to the product make after the expiration of the aforesaid two (2) year Warranty Period.

This warranty gives you specific legal rights and you may have other rights which may vary from state to state.