IPA® FUTURE NOW®
ORIGINAL EQUIPMENT MANUFACTURER (OEM) USA

#9067

TIRE COMPARATOR™ TYPE II

MANUAL

A Professional "Go/No-Go" Tire Caliper for Dual Tire Pairing

LETTER FROM THE PRESIDENT OF IPA

My name is Peter Vinci and I am the president of IPA®. I would like to thank you for your interest in IPA®'s product line and share my commitment to you, our products and our policies. In today's world, we have all experienced the lack of service and consideration demonstrated by many companies after you buy their products. They say whatever they can to make the sale, and then it's like pulling teeth to get any service response out of them. I know this myself firsthand and because of this, I want to be sure that your experience with IPA® meets your expectations and that IPA® never disappoints you with our service or customer response.

Your satisfaction is more important to me than the sale itself. We will not be in business for long if we don't make you completely happy with our products and service. I want IPA® to be different and be known for its quality and service.

With that said, please take a look at our product line. You will see innovative first time products that were created to help you do your job faster and better than before.
I would also like to invite you to critique our products. If you can think of a better way to make them or changes that will make them work better, please contact me directly and I will be sure to look into it. If you have an innovation and would like some feed-back, give me a call.

From all of us at IPA®, we thank you for taking the time to review our product line and wish you and your family the very best of everything.

Peter Vinci
President
IPA®

ASSEMBLY INSTRUCTIONS

To avoid damage during shipping, the Tire Comparator has been factory dissembled. The short and long aluminum bars need to be assembled together via the supplied 90 degree fitting. All hardware and tools have been supplied with the product for full assembly. Please follow the instructions below.

A Hex Key has been inserted into the end of the 48 in. aluminum bar – use it for assembling supplied hex key screws.

- Locate the blue dot (located towards the top inner portion) on the 48 in. aluminum bar.
- Locate the blue dot (located on the inner portion) on the 20" aluminum bar.
- During assembly, when properly orientated, the blue dots should be in direct line of sight with one another.

Slide the 90° Gusset, which is already affixed to the short aluminum bar, into the channel of the 48 in. bar (***Figure 1***).

Set the desired height and tighten all hex key screws until tight. There should be no rocking or movement within the 90° connection point.

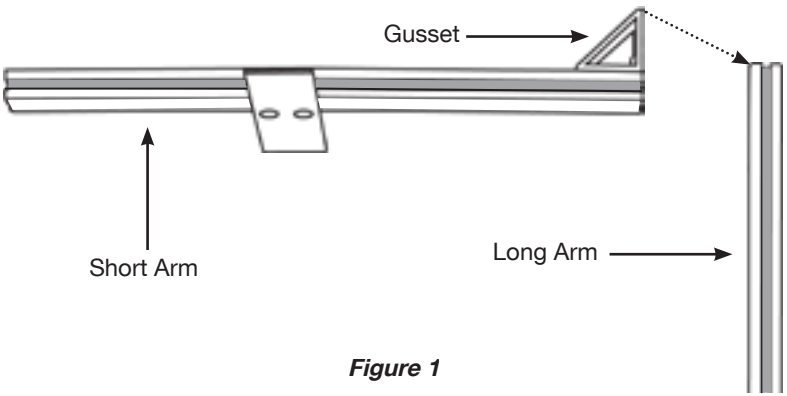


Figure 1

TIRE COMPARATOR PARTS (*Figure 2*)

1. Horizontal Bar (to lay on the tread)
2. Vertical Bar (to hold against the sidewall of the tire)
3. Adjusting Slide (to move horizontal bar up and down based on the tire size)
4. “Go/No-Go” Gauge (used to determine if the tires are within tolerance)
5. Lock Bolts and Hex Key (allow adjustment of the horizontal bar)

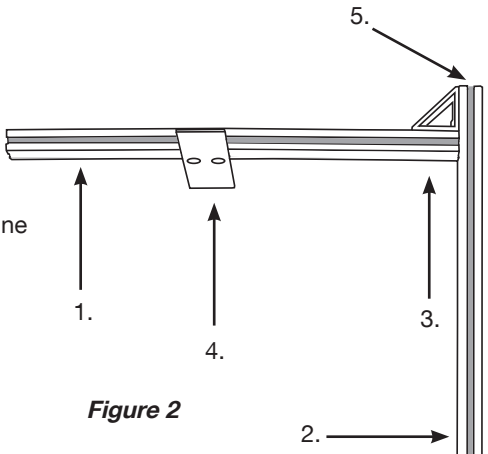
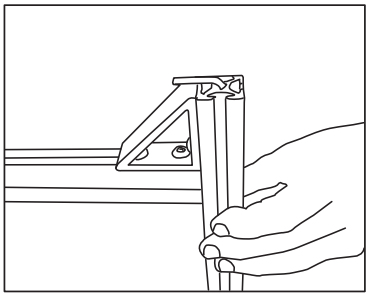
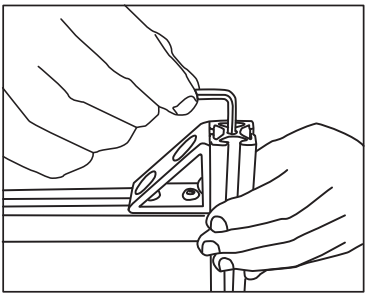


Figure 2

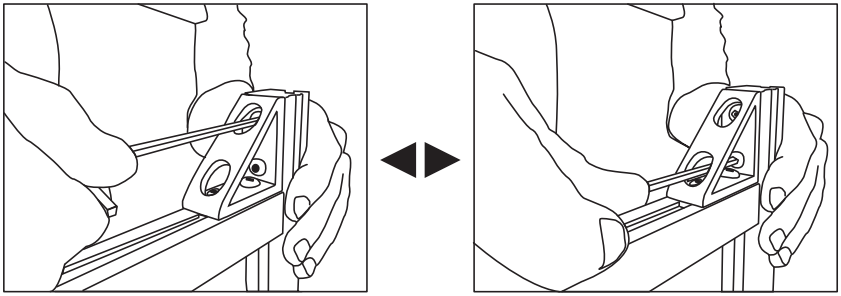
ADJUSTING THE SLIDE



1. Hex Key is stored at the end of vertical bar.



2. Remove the Hex Key to use for adjusting the slide.



3. Loosen lock bolts to adjust the height, then retighten.

ADJUSTING THE COMPARATOR

The tire comparator only needs to be adjusted when switching between rim sizes.

The Tire Comparator‘s vertical arm should not touch the ground during testing. When setting the height, be sure the comparator sits at least 1" off the ground but is long enough to cross the side walls on both sides of the rim to ensure an accurate reading can be taken.

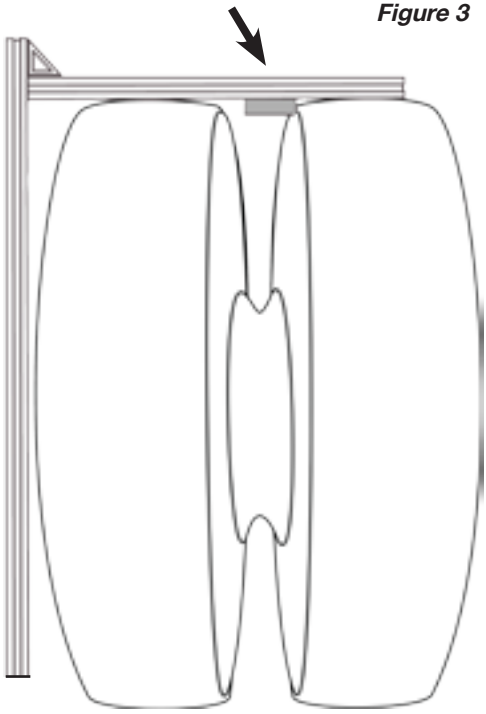
DUAL MATING CHECK

Use the #9067 Tire Comparator™ Type II to check and compare overall tire diameter of two mated tires. The general accepted tolerance is 1/2 in. overall diameter. If two mated tires are found to be out of tolerance, they must be removed and mated with tires of equal diameter as to avoid premature tire wear and loss of fuel economy.

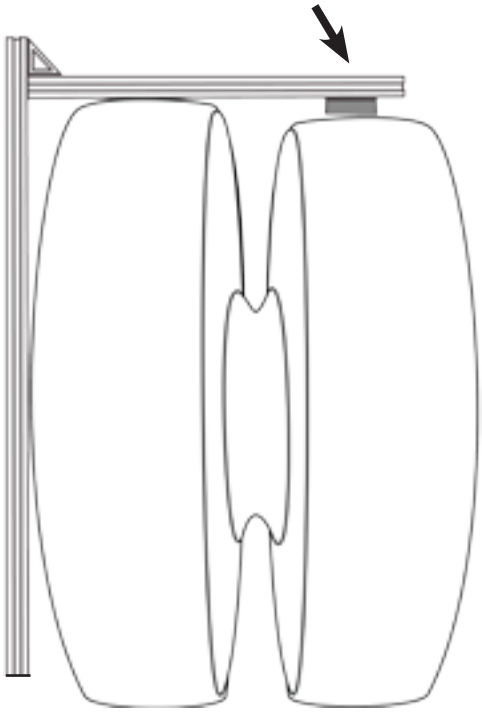
1. **PRIOR TO INSPECTION,** make sure both tires are inflated to the same PSI. A difference in PSI could cause a false reading.
2. Place the vertical bar against the sidewall of the outside tire. It must be flush against the lower and upper sidewall. Comparator should not rest on ground.
3. Loosen lock bolts with the hex key tool. Slide the horizontal bar down until it touches the tread on one of the tires (it may touch both if the tires are equal in height). Tighten the lock bolts until snug (loose bolts can give a false pass/fail).
5. Make sure “Go/No-Go” gauge plate is placed between the two tires.
6. With the tool in position, slide the “Go/No-Go” gauge plate towards the outside tire.
7. Repeat for the inside tire.
8. If the “Go/No-Go” gauge plate hits the sidewall of both tires and doesn’t slide over the tread area, the two tires are within tolerance and are considered properly mated.
9. If the “Go/No-Go” gauge slides over either the inside or outside tire, the tires do not match and one needs to be replaced with a tire that is within tolerance. See “**Figure 3**” below.

Figure 3

PASS (Go)



FAIL (No-Go)



RELATED PRODUCT

#9060

Mobile Tire Pressure Equalizer

Five Tire, High-Flow, Dual Regulator,
Pressure Equalizer System

The IPA® Mobile Tire Pressure Equalizer introduces a new, fast and efficient method to accurately read and inflate tire pressure on multiple tires (up to five) at the same time. When added to your preventive Maintanance (PM) and safety lane procedures, the Mobile Tire Pressure Equalizer provides a solution to maximize fuel mileage, extend tread life and reduce the risk of blowouts.

Unlike other tire pressure systems, the Mobile Tire Pressure Equalizer is equipped with two integrated, high-capacity air regulators, and two accurate, high-resolution, glycerin-filled pressure gauges for consistent and precise tire pressure readings. The Mobile Tire Pressure Equalizer is engineered to save time and money, with all internal components optimized for the fastest possible inflation/deflation times. Mounted on a welded steel cart with pneumatic tires, it features wheel-specific, color-coded hoses with corresponding panel indicators and convenient hose hangers. Made and assembled in the USA.

Applications

- Tractors, trucks and trailers and all dual or tandem wheel applications
- Fast fill and deflation time for both front and rear tires

Features and Benefits

- Hands free inflation and deflation of up to five tires at once
- Accurate dual regulator system for front and rear tires
- Easy-to-read, high-resolution, accurate pressure gauges
- Prevents blowouts and tire decapitation
- Increases fuel mileage and tread life
- Internally maximized hoses and ports for optimum air flow
- Made and assembled in the USA