



Motorcycle Tour  
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## Necessary Considerations when Purchasing a Used Voyager Convertible Trike Kit

If you're looking into used motorcycle conversion kits, and found a used Voyager, it is extremely important to read over the disclaimer and all following information thoroughly to understand the precautions, requirements, and costs associated with a used Voyager purchase, installation, maintenance and use, of any kind.

**DISCLAIMER:** When researching used Voyager Convertible Trike Kits, examine the kit carefully and thoroughly before purchase. Examine to assure there is no existing or potential damage(s) or flaw(s) to the Voyager frame, including but not limited to bends, warps, cracks, rust, and breaks in the tubing or welds. Be careful of all aftermarket modifications made to any Motorcycle Tour Conversions, Inc. manufactured and sold parts. Modifications could cause a loss in structural integrity, convertibility, and safe, proper usage. Examine the wheels, both tires and rims, thoroughly, for existing or potential damage(s) or flaw(s), including but not limited to rust, bends, cracks, punctures, holes, tears, and tread wear. A used Voyager purchase voids any existing warranty. Purchasing a used Voyager Convertible Trike Kit does not guarantee convertibility; necessary considerations, including but not limited to frame size, aftermarket modifications of any kind, mounting hardware (receiver brackets), suspension hardware, and small hardware, are essential for the proper conversion of a Voyager from one motorcycle to another. **Never, under any circumstance, attempt installing, riding or using a Voyager Convertible Trike Kit converted motorcycle without the appropriate, and flawlessly undamaged or modified, frame, mounting hardware, suspension hardware, or any other Motorcycle Tour Conversions, Inc. manufactured and sold part(s). Never, under any circumstance, install, ride, or use the Voyager Convertible Trike Kit without acquiring (through the seller, a certified Voyager dealer or distributor, or the manufacturer), consuming (completely and carefully reading or watching), and fully understanding the original, correct, Motorcycle Tour Conversions, Inc. certified and distributed installation manual, specific to your motorcycle and Voyager specifications, and "How to Ride" DVD.** The installation manual and "How to Ride" DVD are essential for understanding how to safely and properly install, ride, and maintain a Voyager Convertible Trike Kit. Consult a certified Voyager dealer or distributor (list available under "US Dealers") or the manufacturer, Motorcycle Tour Conversions, Inc., before purchasing a used Voyager Convertible Trike Kit to relieve any doubt that the Voyager Convertible Trike Kit and any Motorcycle Tour Conversions, Inc. manufactured and sold part(s) associated satisfy any and all appropriate and necessary needs for proper converting, installing, riding, and any other use.

Voyager Convertible Trike Kits are made to be as universal as possible. Voyagers can be uninstalled from one motorcycle and reinstalled on a completely different make and model as long as the Voyager frame size correctly and safely accommodates the motorcycle to be converted.

## **TO CHECK THE COMPATIBILITY OF A USED VOYAGER TO YOUR MOTORCYCLE, FOLLOW EACH STEP CAREFULLY:**

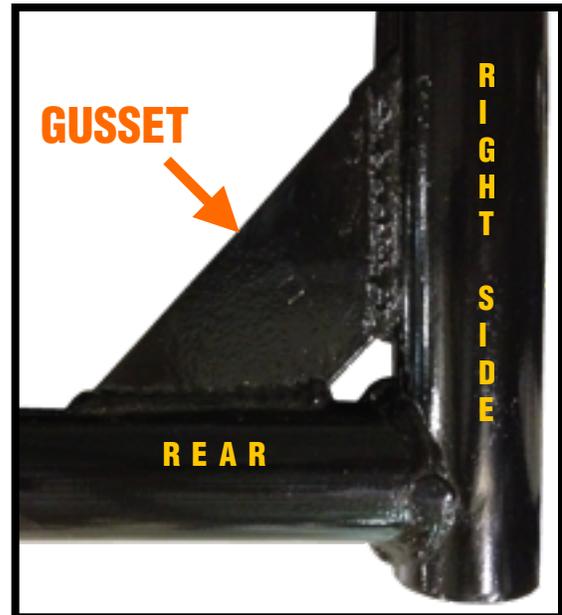
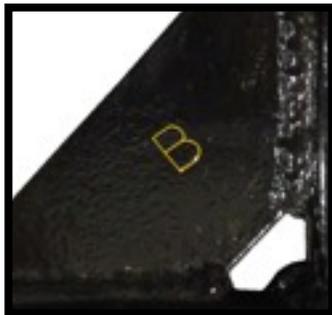
**IMPORTANT NOTE:** Contact a certified Voyager dealer or distributor ([find the closest dealer](#)), or Motorcycle Tour Conversions, Inc. ([contact form](#)) with questions, concerns, clarifications, confirmations or orders.

### **MAKE SURE THE FRAME SIZE FITS YOUR MOTORCYCLE CORRECTLY.**

Frame size is critical for proper and safe use because the Voyager suspension allows the motorcycle to lean 6 to 12 degrees within the Voyager frame for reduced rigidity. Using a frame too small could create damaging contact with the saddlebag(s) and Voyager fender(s). **Do not, under any circumstance, purchase, install, ride, or use, in any way, a modified, damaged, flawed, or incorrect sized Voyager Convertible Trike Kit frame on, or for, any motorcycle** (read DISCLAIMER above). (See below for finding the frame size.)

### **HOW TO DETERMINE THE VOYAGER'S FRAME SIZE...**

1. Check the gussets located at the rear corners of the Voyager frame connecting the side frame tubing to the rear frame tubing. Find the letter (A, B, C, D, or CW) stamped into the metal on the gusset, this is your frame size.
  - a. **Important Note:** The metal stamp may be located under the serial number sticker.



2. Measure the length of the frame and the outside-fender-to-outside-fender width to determine your frame size. Follow the pictures and instructions below carefully for an accurate measurement.

**a. Important Note:** If the Voyager frame does not match the below measurements, or you have any questions or uncertainties, please contact Motorcycle Tour Conversions, Inc. at [voyager@mtcvoyager.com](mailto:voyager@mtcvoyager.com) with pictures and measurements.



### WHEN MEASURING LENGTH

measure from the rear of the tubed frame to the front of the frame before the heim joint



### WHEN MEASURING WIDTH

measure from the outside of the left fender to the outside of the right fenders



### IMPORTANT NOTE

when measuring fiberglass fenders expect to add 0.5" to 2.0" in total width depending on fiberglass fender style

### MEASUREMENT KEY

**A** W55" X L53.5"  
**B** W60" X L53.5"  
**C** W60" X L56.5"  
**D** W55" X L56.5"  
**CW** W64" X L56.5"

3. If the seller is the original purchaser, ask the seller for the year, make, and model of the motorcycle the kit was purchased for and review the Bike Info & Sizes document to determine the frame size being currently used.
4. Ask the seller for the original invoice number associated with the original kit purchase, or ask the seller for the serial number (sticker located on the gusset), as well as whether the seller was the original purchaser of the Voyager Convertible Trike Kit. Then contact Motorcycle Tour Conversions, Inc. at [voyager@mtcvoyager.com](mailto:voyager@mtcvoyager.com) with all information available.

### **ASSUME YOU NEED TO PURCHASE NEW CORRECT MOUNTING HARDWARE.**

Mounting hardware (or receiver brackets) fit certain motorcycles uniquely. Each category of mounting hardware requires completely different designs to accommodate the style and design of the motorcycle and its frame. **The only time a mounting hardware is a correct fit, when purchasing used, is when you are purchasing a Voyager Convertible Trike Kit from an owner who used it on the same make, model, and similar year motorcycle.** For example, if a Voyager Convertible Trike Kit is purchased from an owner who had a 2002 Harley-Davidson FLHTC, that exact mounting hardware will fit only a 2002-2007 Harley-Davidson Dresser Series. Any other year requires purchasing a new mounting hardware complete, or other parts (i.e., a 2008 Harley-Davidson Dresser Series motorcycle will need two different designed rear axle brackets, and if needed, new non-threaded bearing receivers when converting from a Voyager used on a 2002 Harley-Davidson Dresser Series).

### **HOW TO DETERMINE THE VOYAGER'S MOUNTING HARDWARE...**

1. Check the mounting hardware for metal stamps. First check the belly bracket (located under the center of the motorcycle's frame) for a stamp having one letter and number (i.e., **A1-A38; B1-B21; C1-C19; D1-D14; E1-E11; H1-H6; J1-J3; K1-K5; L1-L4; M1; O1; P1-P2; S1-S2; T1**). If the number cannot be determined by the belly bracket, check the rear axle brackets. Each letter-number combination signifies a different style mounting hardware unique to certain motorcycles of a certain year, make, and model.
  - a. Important Note:** Never, under any circumstance, attempt installing, riding or using a Voyager Convertible Trike Kit converted motorcycle without the appropriate, and flawlessly undamaged or modified, frame, mounting hardware, suspension hardware, or any other Motorcycle Tour Conversions, Inc. manufactured and sold part(s).
2. If the seller is the original purchaser, ask the seller for the year, make, and model of the motorcycle the kit was purchased for and review the Bike Info & Sizes document to determine the mounting hardware being currently used.
3. Ask the seller for the original invoice number associated with the original kit purchase, and ask the seller for the serial number (sticker located on the gusset) as well as whether the seller

was the original purchaser of the Voyager Convertible Trike Kit. Then contact Motorcycle Tour Conversions, Inc. at [voyager@mtcvoyager.com](mailto:voyager@mtcvoyager.com) with all information available.

### **CHECK TO SEE IF YOUR SUSPENSION PARTS MATCH UP.**

Suspension hardware differs in style and length to accommodate the distance from the rear of the Voyager frame to the bearing receiver. Motorcycles may require different style or length Voyager suspension hardware depending on the motorcycle wheelbase and Voyager frame length. The main components to the Voyager Convertible Trike Kit suspension hardware are two (2) suspension forks and four (4) leaf springs.

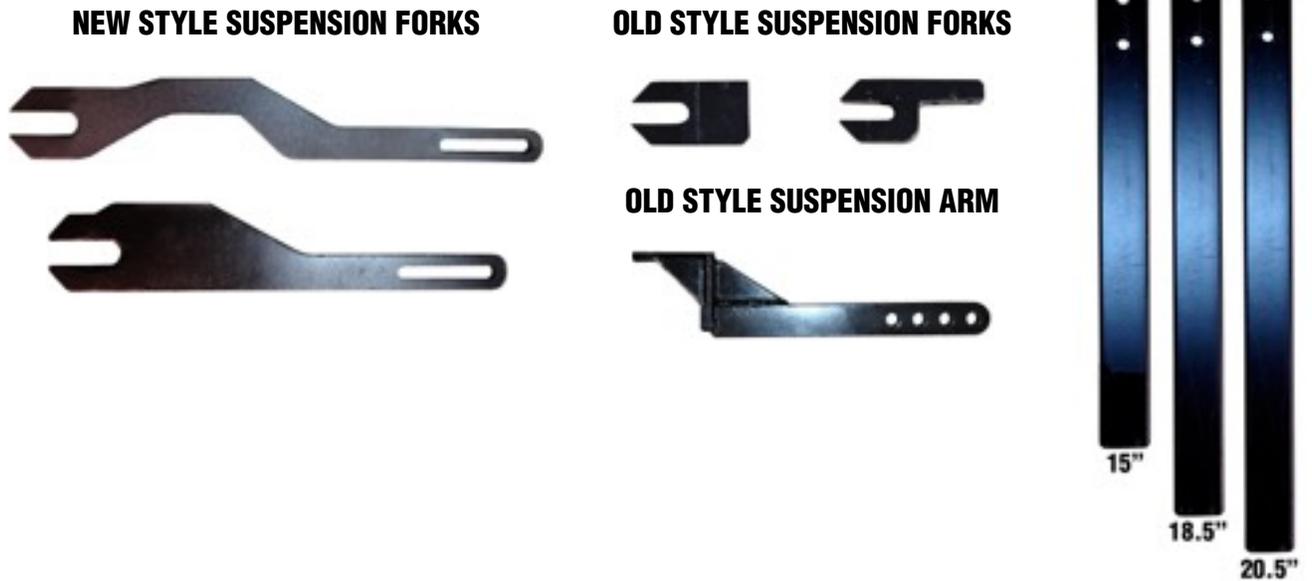
1. Measure the length of the suspension fork and leaf spring separately. It is essential that you know the length of each part independently to assure your suspension is appropriate for the used Voyager Convertible Trike Kit to properly and safely convert to your motorcycle. Review the Bike Info & Sizes document and locate your year, make, and model to find the necessary suspension part lengths. If your motorcycle requires an **A** or **B** frame, and you are purchasing the longer **C** or **D** frame, contact Motorcycle Tour Conversions, Inc. at [voyager@mtcvoyager.com](mailto:voyager@mtcvoyager.com) with all available information to determine the suspension parts needed, if convertible.

**a. Important Note:** Never, under any circumstance, attempt installing, riding or using a Voyager Convertible Trike Kit converted motorcycle without the appropriate, and flawlessly undamaged or modified, frame, mounting hardware, suspension hardware, or any other Motorcycle Tour Conversions, Inc. manufactured and sold part(s).

2. If the leaf springs do not match up in length, the correct size leaf springs will need to be purchased.
3. If the suspension forks do not match up in length, you will need to determine whether you have the old style suspension forks or new style suspension forks. The old style suspension forks have a separate piece called the suspension arm. The new style suspension forks are one solid piece. To determine whether you have old or new style suspension forks, check the rear end of the fork where the shocks or rubber mounts attach for either a long slit or four holes. Check below for illustration:



## MAIN SUSPENSION HARDWARE PARTS



### DETERMINE COST OF PARTS NEEDED.

After carefully and thoroughly reading the above DISCLAIMER and all following information, use the parts list below to determine the cost of the parts needed.

#### FRAME

**DO NOT**, under any circumstances, attempt installing, riding, purchasing or using a Voyager Convertible Trike Kit converted motorcycle without the appropriate, flawlessly undamaged and unmodified frame. If the frame does not match up, the conversion will not work. Move on.

#### MOUNTING HARDWARE

When switching a Voyager Convertible Trike Kit from one motorcycle to a motorcycle in a different mounting hardware category (i.e., A1 to anything other than A1) as listed on Bike Info & Sizes you will always need:

Mounting Hardware Complete

**\$750.00 + shipping**

The Mounting Hardware Complete includes mounting brackets (i.e., belly bracket, left rear axle bracket, right rear axle bracket), bearing receivers, installation manual, *How to Ride* DVD, jack stands, and all small hardware necessary (i.e., nuts, bolts, washers, hose clamps).

In the case that your conversion needs only a few mounting parts for conversion, or parts from the seller are missing or damaged, please contact your closest certified dealer or distributor ([Dealer Locator](#)) for prices and ordering.

#### SUSPENSION HARDWARE

After confirming the current length of the seller's suspension parts, locating the necessary suspension parts for your motorcycle, as listed by year, make, and model on Bike Info & Sizes, and determining the necessary parts for a safe and proper conversion, use the list below to estimate your cost:

New Style Suspension Forks (2 per kit)	<b>\$221.00 each + shipping</b>
Old Style Suspension Forks (2 per kit)	<b>\$96.00 each + shipping</b>
Old Style Suspension Arm	<i>(new style suspension forks needed)</i>
20.5" Leaf Springs (4 per kit)	<b>\$66.00 each + shipping</b>
18.5" Leaf Springs (4 per kit)	<b>\$59.00 each + shipping</b>
15" Leaf Springs (4 per kit)	<b>\$46.00 each + shipping</b>
Suspension Hardware Complete	<b>\$486.00 + shipping</b>

The Suspension Hardware Complete includes two (2) new style suspension forks, four (4) leaf springs, two (2) rubber shock mounts, two (2) suspension plates, two (2) suspension lock blocks, four (4) suspension u-bolts, two (2) shock mount plates, two (2) shock brackets, eight (8) hex high nuts, and any other necessary small hardware (i.e., nuts, bolts, washers).

In the case that your conversion needs only a few suspension parts not listed above, or parts from the seller are missing or damaged, please contact your closest certified dealer or distributor ([Dealer Locator](#)) for prices and ordering.

### EXAMPLE

Going from a 1995 Honda GL 1500 to a 1989 H-D FLH.

			Suspension arm		
A1	Honda GL 1500 (1988-2000) ***	B	Long Solid Forks 20 1/2" 18 1/2" leaf springs	Long Forks 9" 18 1/2" leaf springs	3"
B1	H-D 1340 / 1450 Dresser (1980-2001) FLH, FLHC, FLHR, FLHS, FLHT, FLHTC, FLHTCU, FLT, FLTC, FLTCU, FLTRI, FLTRSEI <b>Note:</b> Years '58-'79 FLH 1200 & H-D 1340 uses B Mounting Hardware	B	Med Solid Forks 17 1/2" 18 1/2" leaf springs	Medium Forks 6 1/4" 18 1/2" leaf springs	2 1/2"

Signifies new mounting hardware is needed.

Frames match up, so conversion will work.

Signifies new suspension forks are needed. Leaf springs match up.