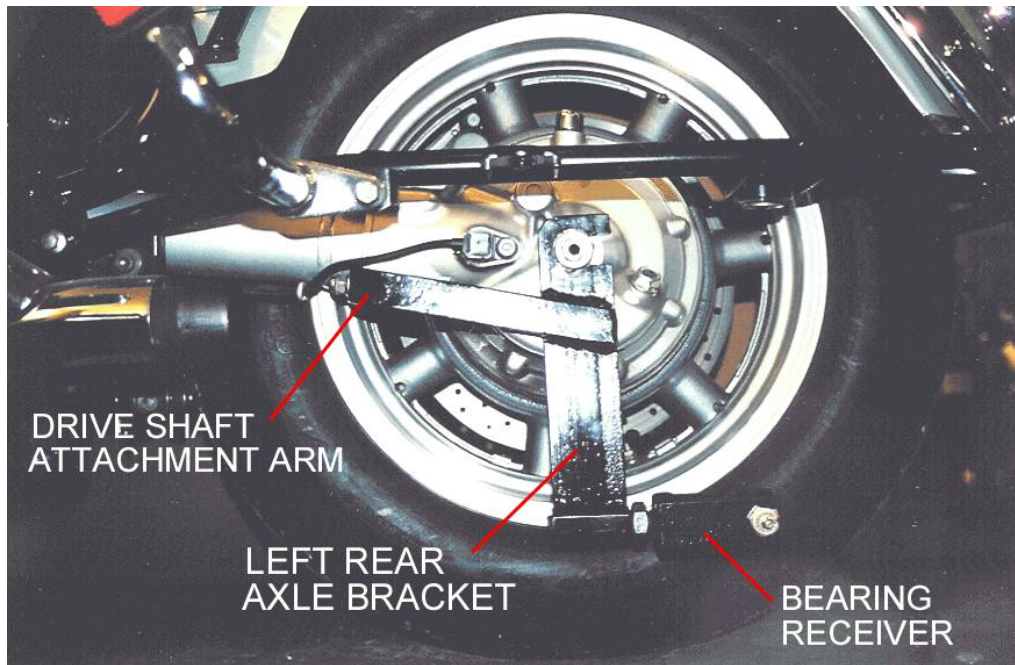
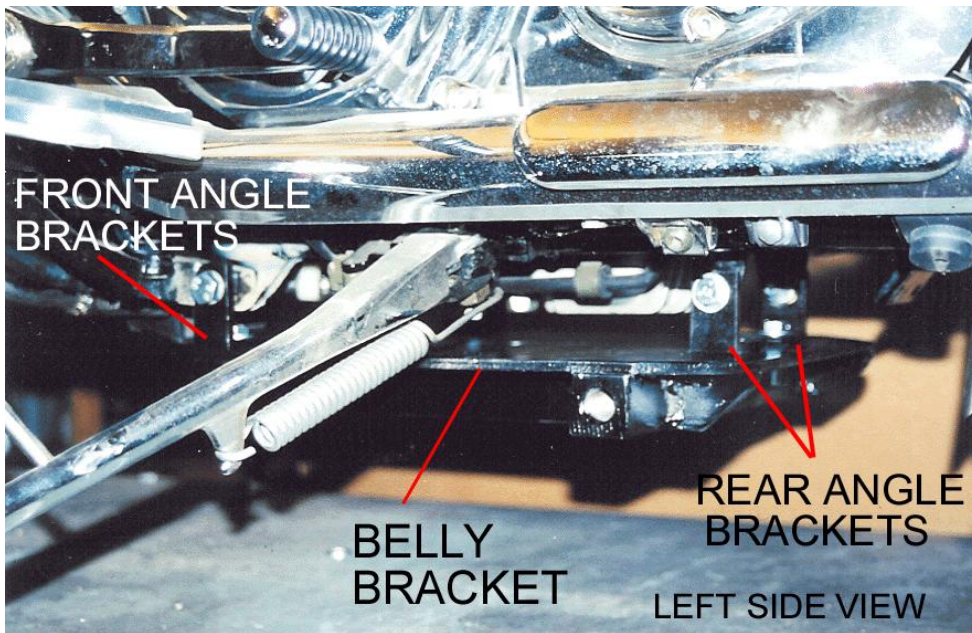
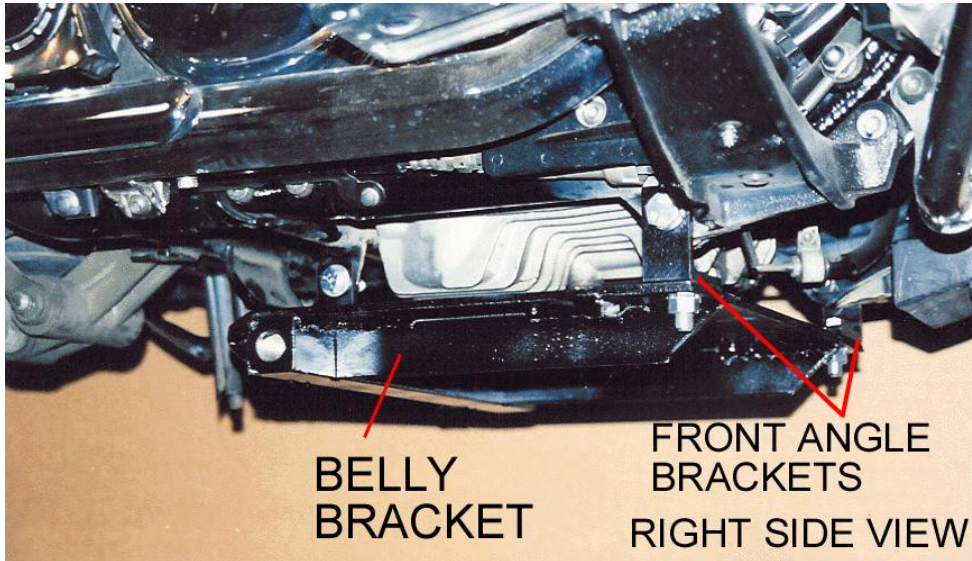


**YAMAHA VENTURE 1300 &  
YAMAHA ROYAL STAR 1300  
LEFT REAR AXLE BRACKET INSTALLED**



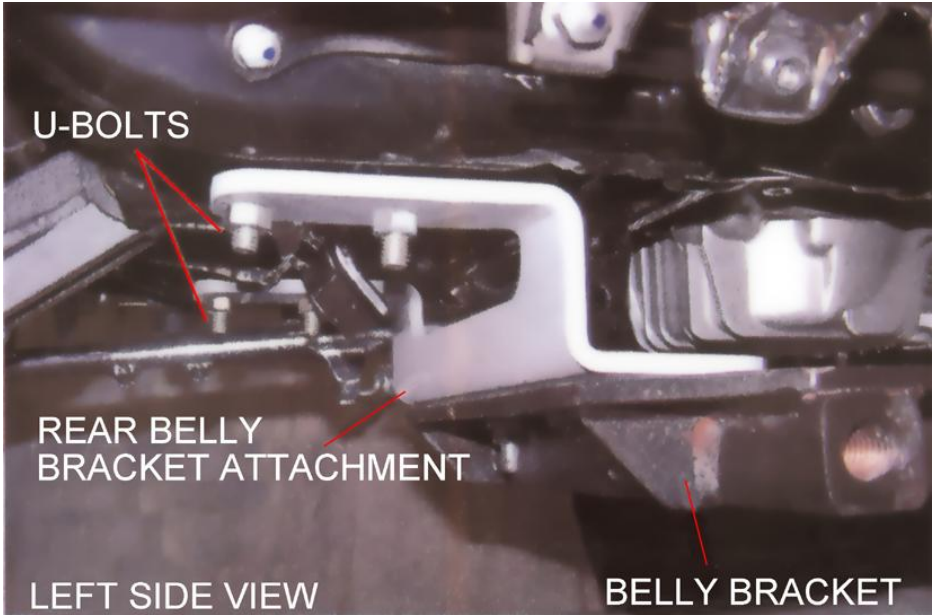
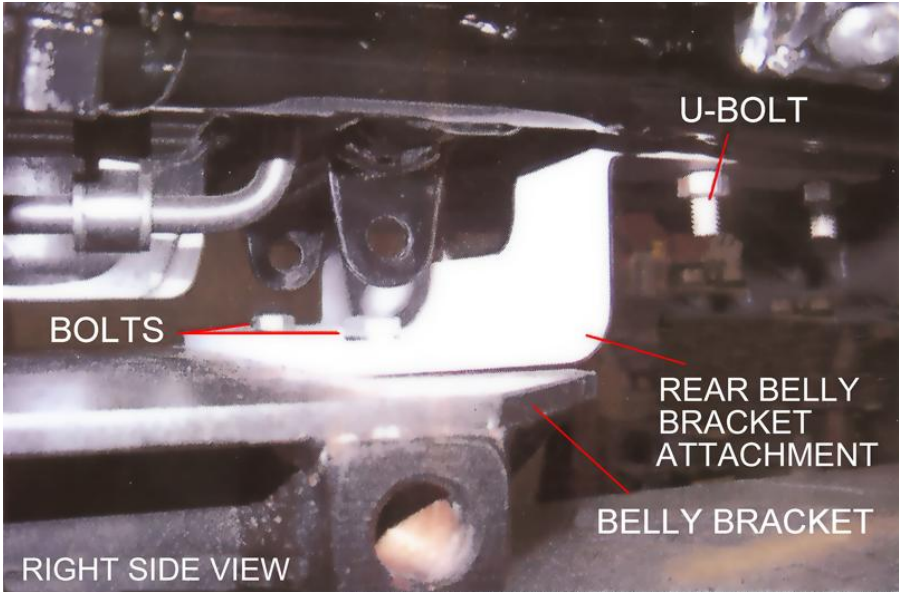
**YAMAHA VENTURE 1300 &  
YAMAHA ROYAL STAR 1300  
BELLY BRACKET INSTALLED (SECTION C)**



Rear Angle Brackets shown.

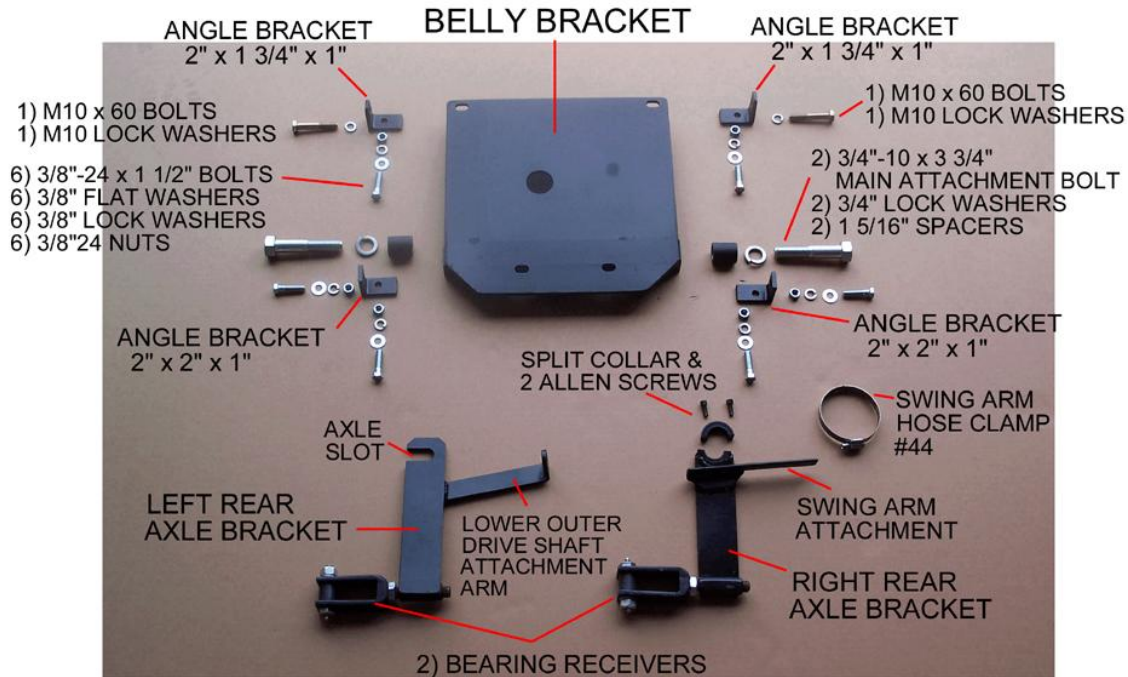
Rear Belly Bracket Attachment shown on next page.

**YAMAHA VENTURE 1300 &  
YAMAHA ROYAL STAR 1300  
BELLY BRACKET INSTALLED (SECTION B)**





# YAMAHA VENTURE 1300 & YAMAHA ROYAL STAR 1300 DESCRIPTION OF PARTS WITH REAR ANGLE BRACKETS (SECTION C)



Two 3/8" washers used as shims– not shown in picture above.  
You may or may not have to use the shims. See note below.

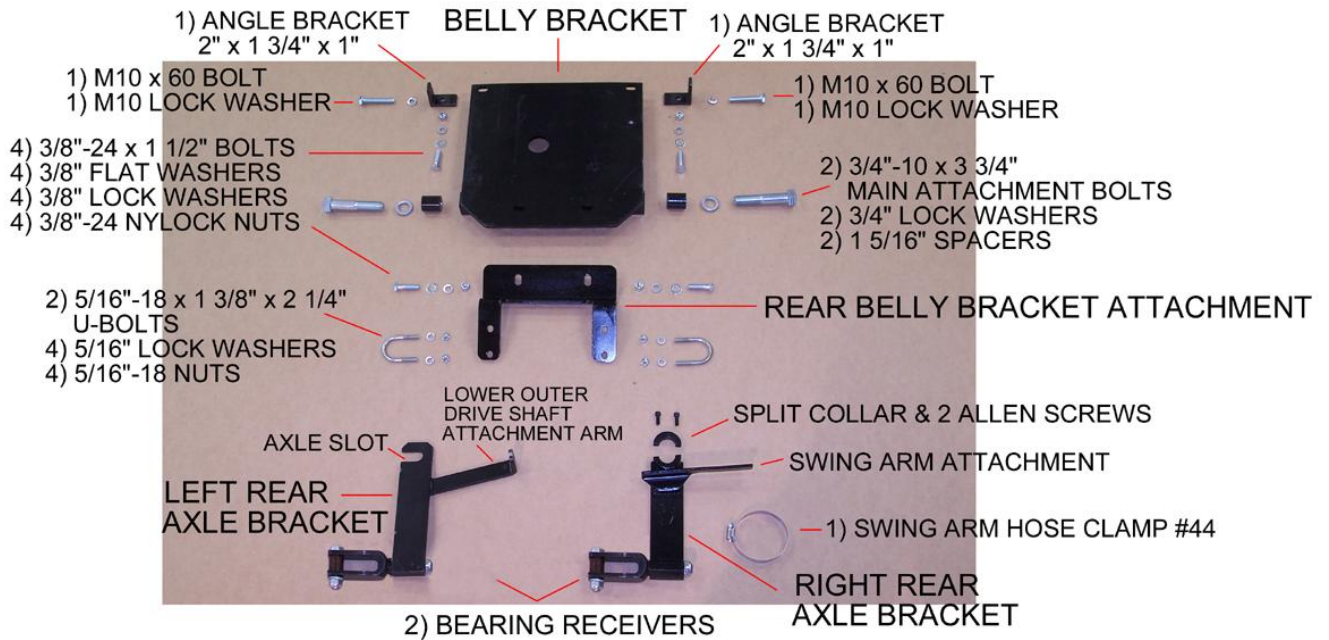
After installing the mounting hardware and attaching the Voyager frame to the belly bracket you may need shims to make the motorcycle stand straight up and down. The shims may be used on either the left or the right side depending on which way the motorcycle is leaning. If the motorcycle is leaning to the left put the shims on the left side. If the motorcycle is leaning to the right put the shims on the right side. The shims will go on the front and back of one side of the belly bracket.

**Place shims in-between belly bracket and angle bracket; and belly bracket and rear belly bracket attachment.**



ILLUSTRATION OF SHIM PLACEMENT  
 BRACKET PICTURED MAY NOT MATCH YOUR BRACKET

# YAMAHA VENTURE 1300 & YAMAHA ROYAL STAR 1300 DESCRIPTION OF PARTS WITH REAR BELLY BRACKET ATTACHMENT (SECTION B)



Two 3/8" washers used as shims– not shown in picture above.  
**You may or may not have to use the shims. See note below.**

After installing the mounting hardware and attaching the Voyager frame to the belly bracket you may need shims to make the motorcycle stand straight up and down. The shims may be used on either the left or the right side depending on which way the motorcycle is leaning. If the motorcycle is leaning to the left put the shims on the left side. If the motorcycle is leaning to the right put the shims on the right side. The shims will go on the front and back of one side of the belly bracket.

**Place shims in-between belly bracket and angle bracket; and belly bracket and rear belly bracket attachment.**



ILLUSTRATION OF SHIM PLACEMENT  
 BRACKET PICTURED MAY NOT MATCH YOUR BRACKET

# SECTION 1

## INSTALLATION OF

### YAMAHA VENTURE 1300 & YAMAHA ROYAL STAR 1300

### MOUNTING HARDWARE

Place motorcycle on a clean flat surface. Make sure to tie down motorcycle on both sides, so that motorcycle can not tip over while installing hardware. Installation is easier if motorcycle is in an upright position.

**Disconnect negative cable from battery before beginning installation.**

**NOTE:** The Voyager Convertible Kit was designed for a stock motorcycle from the manufacturer. Any after market products that are on a stock motorcycle may cause the installation process to not be done properly and may or may not need to be removed to be able to install the Voyager Convertible Kit completely. Be aware that your motorcycle and the same make & model as someone else's motorcycle may not have mufflers, body panels, frames, fenders and any other manufacturer parts that are attached to the motorcycle in the exact same place as yours. We at Motorcycle Tour Conversion, Inc. take that into consideration when we manufacture our parts to fit your motorcycle. Once in awhile you may need to modify your motorcycle slightly so that the Motorcycle Tour Conversion, Inc. hardware or suspension fits your motorcycle. Please call Motorcycle Tour Conversion, Inc. if you have any questions about installation with after market products or any modification of motorcycle and/or Motorcycle Tour Conversion, Inc. hardware.

#### A) REAR AXLE BRACKETS

NOTE: It is not necessary to remove the mufflers to do the installation.

##### LEFT SIDE:

- 1) Remove the axle retaining nut and washer.
- 2) Remove the lower and outer drive shaft retaining nut and washer.
- 3) Slide the axle bracket onto the drive shaft stud and axle, now (leaving out the washers) tighten the drive shaft retaining nut to 25 ft. lbs. then tighten the axle nut (leaving out the washer) to 70 ft. lbs.

##### RIGHT SIDE:

- 1) On the right rear axle bracket remove the two bolts that hold the top half of split collar on the axle bracket
- 2) Place the right rear axle bracket on the inside of the swing arm on the bottom side of the motorcycle axle.

# SECTION 1

## INSTALLATION OF

### YAMAHA VENTURE 1300 & YAMAHA ROYAL STAR 1300

### MOUNTING HARDWARE

- 3) Place the top half of split collar on top of the motorcycle axle and attach the bottom half to top half with the bolts you removed.
- 4) Make sure the swing arm attachment of the right rear axle bracket is touching the swing arm of the motorcycle and attach with the hose clamp provided with the kit.

#### **BELLY BRACKET – NOTE FOR MOTORCYCLES YEARS 1996-2000**

If your motorcycle is equipped with the cross bar located in front of the motorcycle mono shock go to Section B – Belly Bracket with Rear Belly Bracket Attachment.

If your motorcycle does not have the cross bar located in front of the motorcycle mono shock go to Section C – Belly Bracket with Rear Angle Brackets

#### **B) BELLY BRACKET WITH REAR BELLY BRACKET ATTACHMENT**

- 1) If equipped, remove the center stand (helpful if motorcycle is supported in an upright level position).
- 2) Remove the rear “Allen” head bolts from the floor board mounting brackets. You will not use these bolts.
- 3) Locate the (2) 2”x 1 3/4” x 1” angle brackets. Insert the (2) 3/8”-24 x 1 1/4” bolts with the (2) 3/8” flat washers into the lower holes of the angle brackets.
- 4) Now using the two 10mm bolts and lock washers provided with this kit, attach the angle bracket to the outside of the floor board mounting bracket on each side of the motorcycle.
- 5) Install (2) 5/16”-18 x 1 3/8” x 2 3/16” u-bolts over the cross bar of the motorcycle frame, located in front of the motorcycle mono shock.
- 6) Install rear belly bracket attachment to u-bolts with (4) 5/16” lock washers and (4) 5/16”-18 nuts.
- 7) Install belly bracket to angle brackets and rear belly bracket attachment with (4) 3/8”-24 x 1 1/2” bolts, (4) 3/8” flat washers, (4) 3/8” lock washers and (4) 3/8” nylock nuts.
- 8) Tighten all belly bracket bolts to 25 ft. lbs.

**SECTION 1**  
**INSTALLATION OF**  
**YAMAHA VENTURE 1300 & YAMAHA ROYAL STAR 1300**  
**MOUNTING HARDWARE**

**C) BELLY BRACKET WITH REAR ANGLE BRACKETS**

(Years 1996-2000 for motorcycles that do not have the cross bar located in front of the motorcycle mono shock use the Rear Angle Brackets)

- 1) If equipped, remove the center stand (helpful if motorcycle is supported in an upright level position.
- 2) Remove the rear “Allen” head bolts from the floor board mounting brackets.
- 3) Locate the (2) 2”x 1 3/4” x 1” angle brackets. Insert the (2) 3/8”-24 x 1 1/4” bolts with 3/8” flat washers into the lower holes of angle brackets.
- 4) Now using the two 10mm bolts and lock washers provided with this kit, attach the angle bracket to the outside of the floor board mounting bracket on each side of the motorcycle.
- 5) Locate the (2) 2”x 2” x 1” angle brackets. Insert the (2) 3/8”-24 x 1 1/4” bolts with 3/8” flat washers into the lower holes of angle brackets
- 6) Install the angle brackets using (2) 3/8”-24 x 1 1/4” bolts, (2) 3/8” flat washers, (2) 3/8” lock washers, and (2) 3/8”-24 nuts supplied with kit to the outside of the center stand factory brackets with the bottom of both angle brackets pointing towards the right side of the motorcycle
- 7) Install belly bracket to all 4 angle brackets with (4) 3/8” lock washers and (4) 3/8” nuts.
- 8) Tighten all belly bracket bolts to 25 ft. lbs.





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**YAMAHA VENTURE 1300 &  
YAMAHA ROYAL STAR 1300**  
(revised 9-08-10)

**INSTALLATION MANUAL  
US PATENT # 6,739,420**

**WARRANTY WILL BE VOID IF INSTALLATION  
IS NOT DONE PROPERLY**

**READ THIS MANUAL FULLY BEFORE  
BEGINNING INSTALLATION OR DRIVING YOUR  
MOTORCYCLE WITH THE VOYAGER KIT ATTACHED**