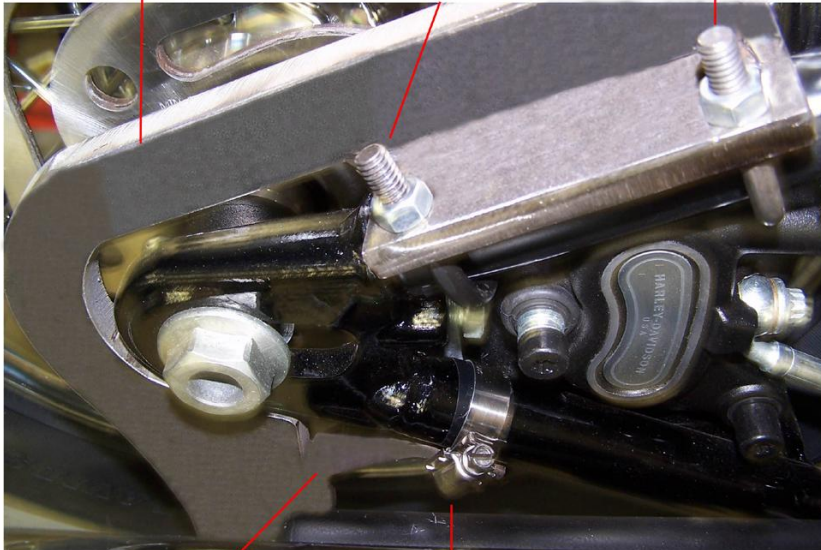


# H-D SOFTAIL / FAT BOY (2008-) RIGHT REAR AXLE BRACKET INSTALLED

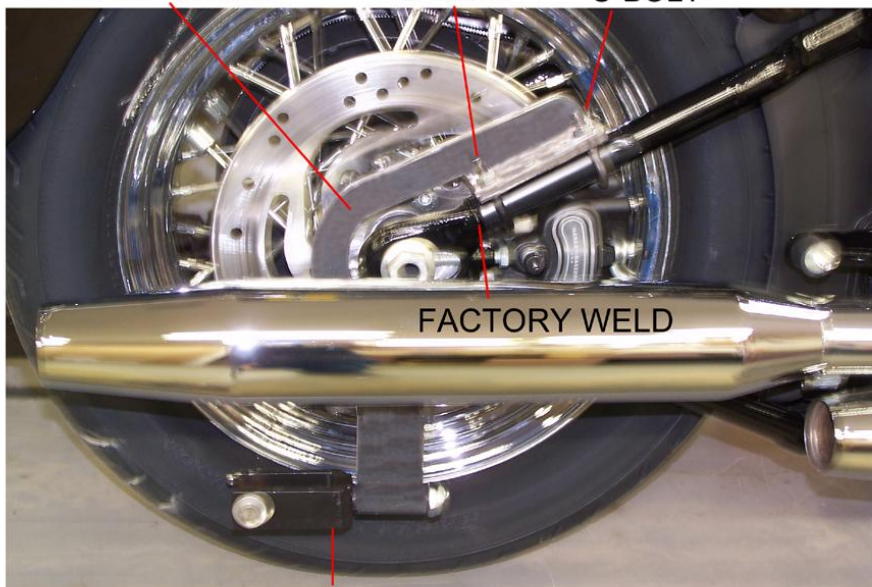
RIGHT REAR AXLE BRACKET      FIRST U-BOLT      SECOND U-BOLT



SWING ARM ATTACHMENT      SWING ARM HOSE CLAMP

PICTURE FIVE

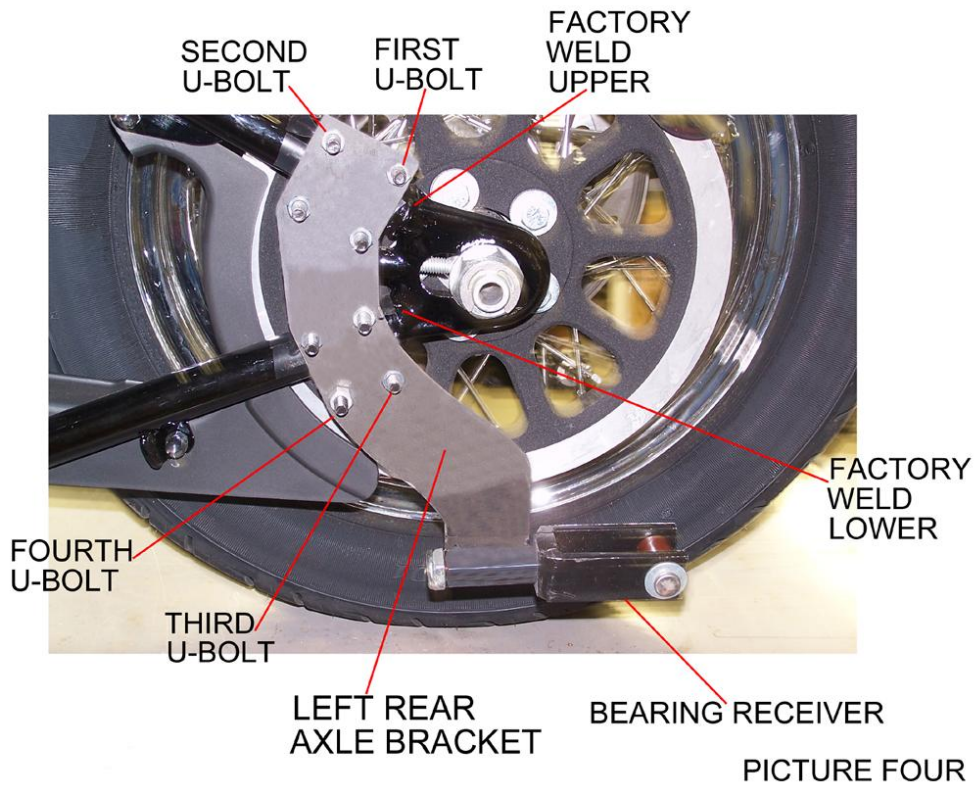
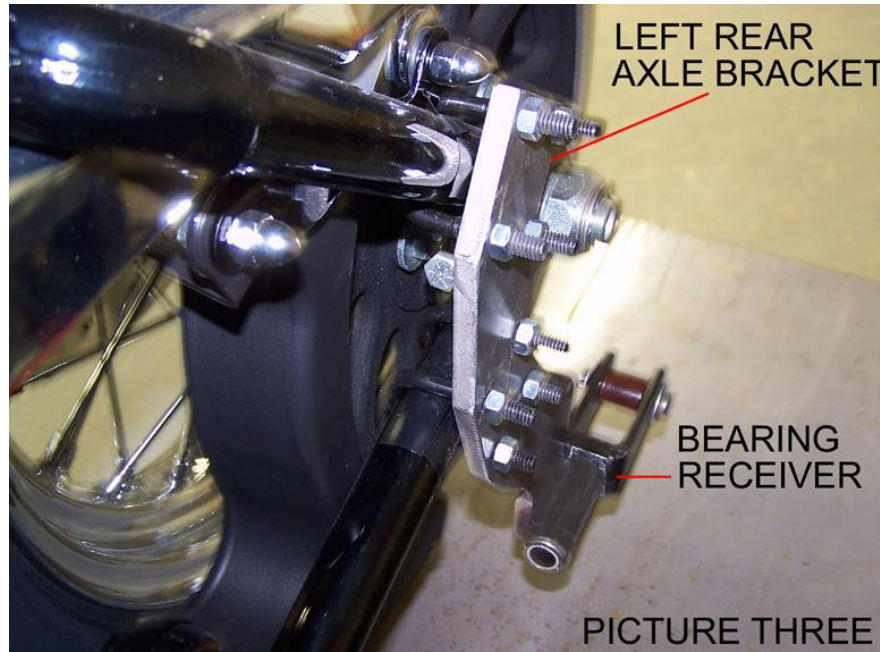
RIGHT REAR AXLE BRACKET      FIRST U-BOLT      SECOND U-BOLT



BEARING RECEIVER

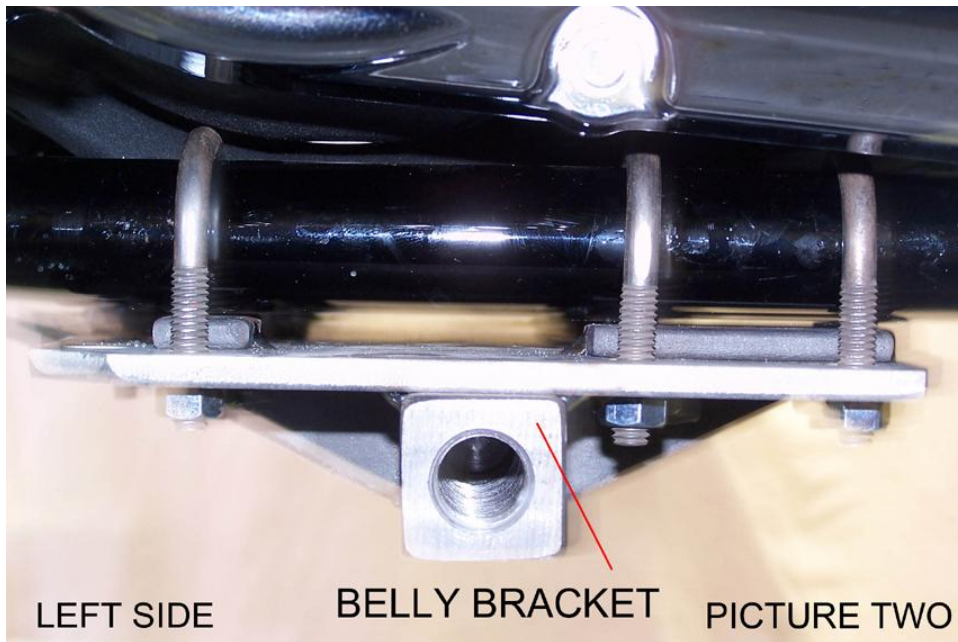
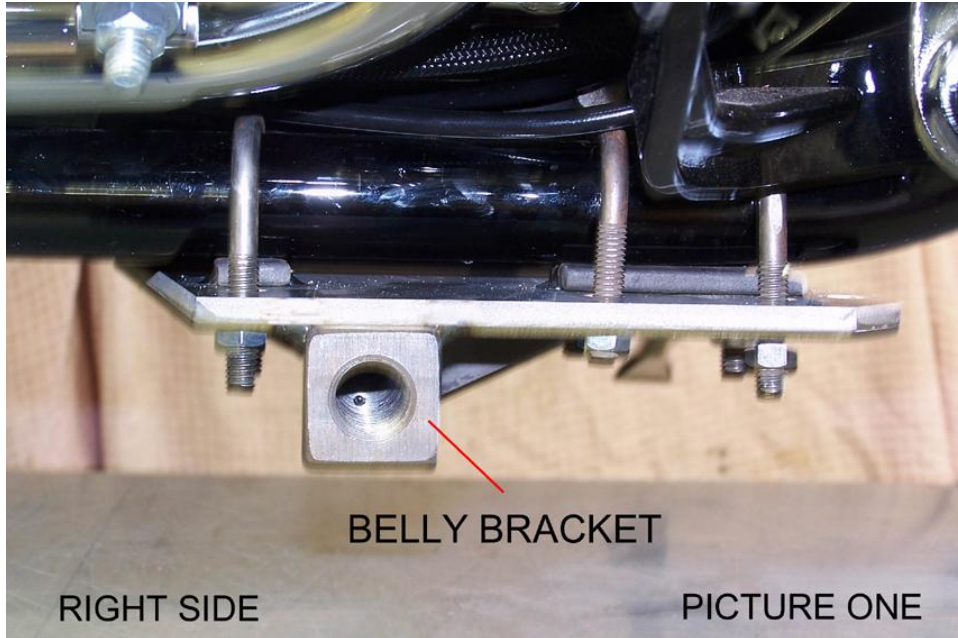
PICTURE SIX

**H-D SOFTAIL / FAT BOY (2008-)  
LEFT REAR AXLE BRACKET INSTALLED**

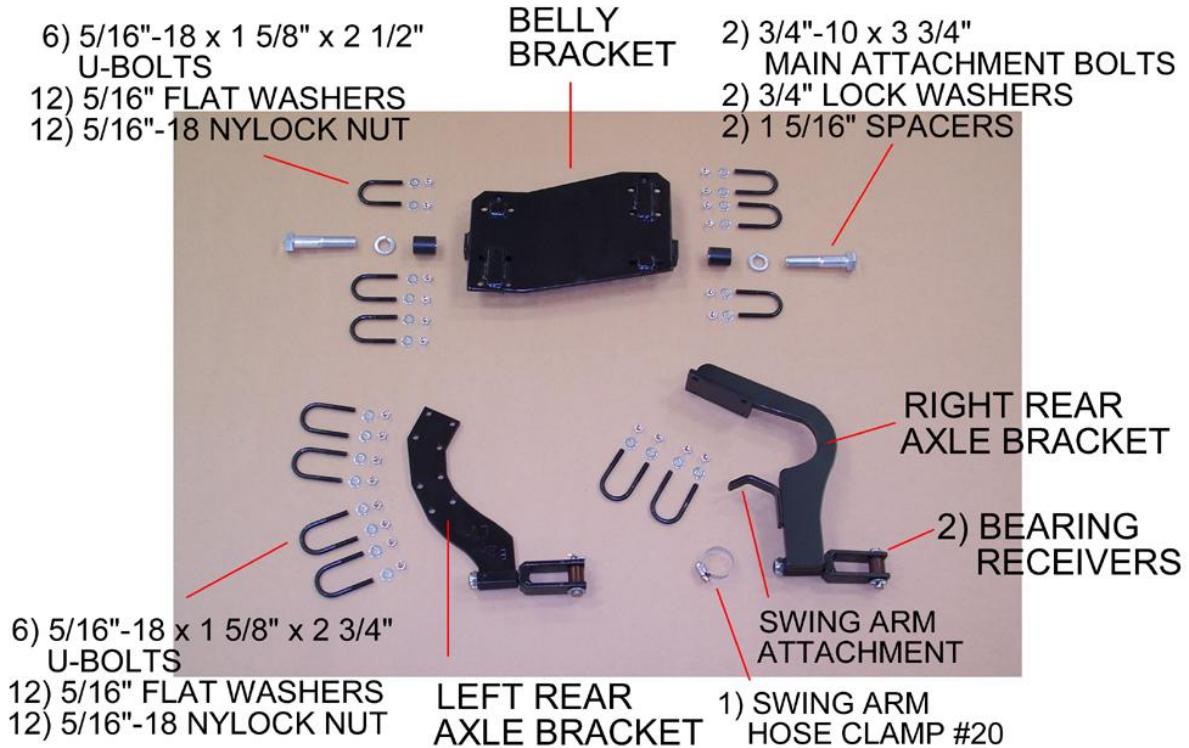




**H-D SOFTAIL / FAT BOY (2008-)  
BELLY BRACKET INSTALLED**



## H-D SOFTAIL/ FAT BOY (2008-) DESCRIPTION OF PARTS



One 1" shim and one 3" shim – 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.

**Install the shims in-between belly bracket and motorcycle frame. The shims will go on top of belly bracket tabs.**

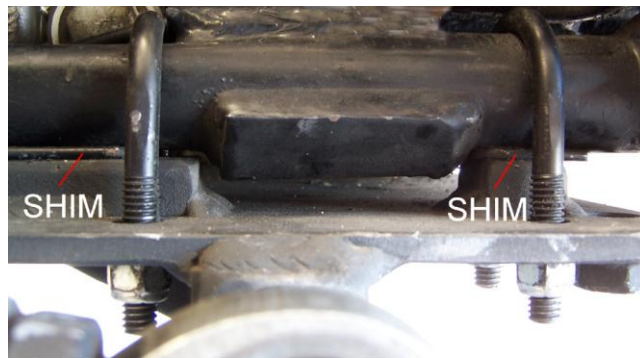


ILLUSTRATION OF SHIM PLACEMENT  
BRACKET PICTURED MAY NOT MATCH YOUR BRACKET

# SECTION 1

## INSTALLATION OF H-D SOFTAIL / FAT BOY (2008-) MOUNTING HARDWARE

Place motorcycle on a clean flat surface. Make sure to tie down motorcycle on both sides, so that motorcycle cannot 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) Belly Bracket

- 1) Install 6) 5/16"- 18 x 1 5/8" x 2 1/2" U-bolts over motorcycle frame.  
(Three on each side)
- 2) Install belly bracket to U-bolts with 12) 5/16" flat washers and  
12) 5/16"-18 nylock nuts. Do not tighten at this time.
- 3) Placement of belly bracket – Measure from center of main bolt shaft on belly  
bracket to center of motorcycle rear axle bolt. Measurement should be 32".  
When belly bracket is in correct position tighten nylock nuts.  
(Shown in picture one and two)

You've lost 1 1/4" of clearance to the ground with the belly bracket on your motorcycle. Since most Softails are automatically lower to the ground, we recommend when you remove the Voyager Conversion Kit from your motorcycle and you drive as a two-wheeler that you remove the belly bracket from your two wheel motorcycle. (Make sure that you mark the frame of your motorcycle where the belly bracket is so that the belly bracket will be put in the same original place.)

# SECTION 1

## INSTALLATION OF H-D SOFTAIL / FAT BOY (2008-) MOUNTING HARDWARE

### **B) Rear Axle Brackets**

#### **Left Rear Axle Bracket**

- 1) On left side or belt side of motorcycle find the factory welds just in front of the belt tensioner bolt. There are 2 welds, one upper and one lower.
- 2) Place first U-bolt 5/16-18 x 1 5/8" x 2 3/4" just forward of upper factory weld.
- 3) Place second U-bolt 5/16-18 x 1 5/8" x 2 3/4" about 1 1/2" forward of first U-bolt.
- 4) Place third U-bolt 5/16"-18 x 1 5/8" x 2 3/4" just forward of lower factory weld.
- 5) Place fourth U-bolt 5/16"-18 x 1 5/8" x 2 3/4" just about 1 1/2" forward of third U-bolt.
- 6) Attach left rear axle bracket to U-bolts with 8) 5/16" flat washers and 8) 5/16"-18 nylock nuts. Tighten U-bolts at this time.  
(Shown in pictures three and four)

#### **Right Rear Axle Bracket**

- 1) On right side of motorcycle frame find just the upper weld on frame.
- 2) Place first U-bolt 5/16"-18 x 1 5/8" x 2 3/4" just forward of upper factory weld.
- 3) Place second U-bolt 5/16"-18 x 1 5/8" x 2 3/4" about 3" forward of first U-bolt.
- 4) Attach right rear axle bracket to U-bolts with 4) 5/16" flat washers and 4) 5/16" nylock nuts.
- 5) Make sure swing arm attachment of right rear axle bracket is against swing arm of motorcycle. Attach with 1) # 20 hose clamp.
- 6) Tighten U-bolts and hose clamp at this time.  
(Shown in picture five and six)



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## H-D SOFTAIL / FAT BOY (2008-)

H-D Softail Custom FXSTC  
H-D Softail Deluxe FLSTN  
H-D Heritage Softail Classic FLSTC  
H-D Night Train FXSTB  
H-D Softail Crossbones FLSTSB  
H-D Fat Boy FLSTF

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**

