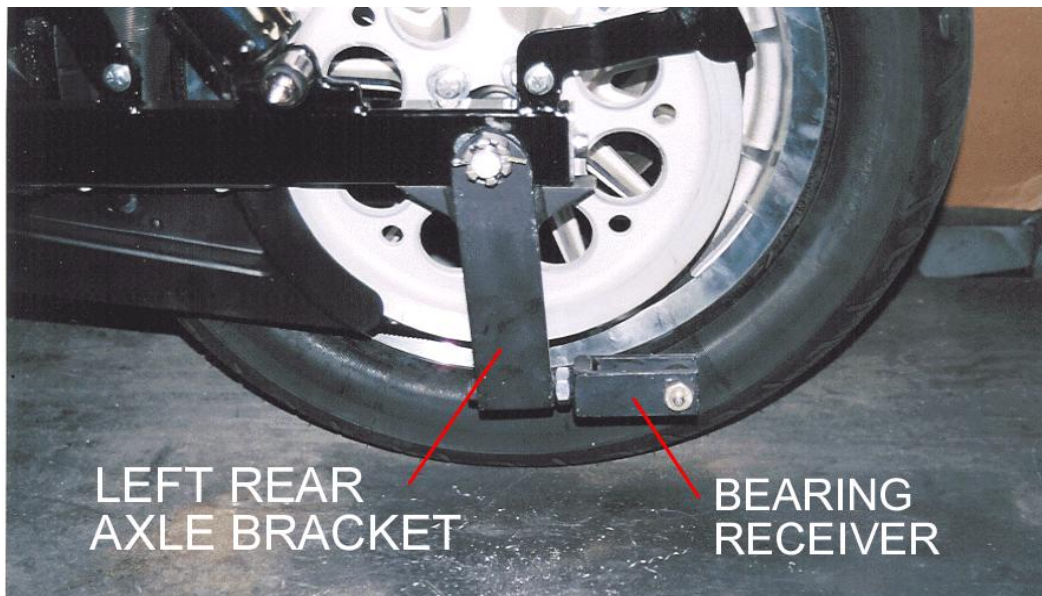
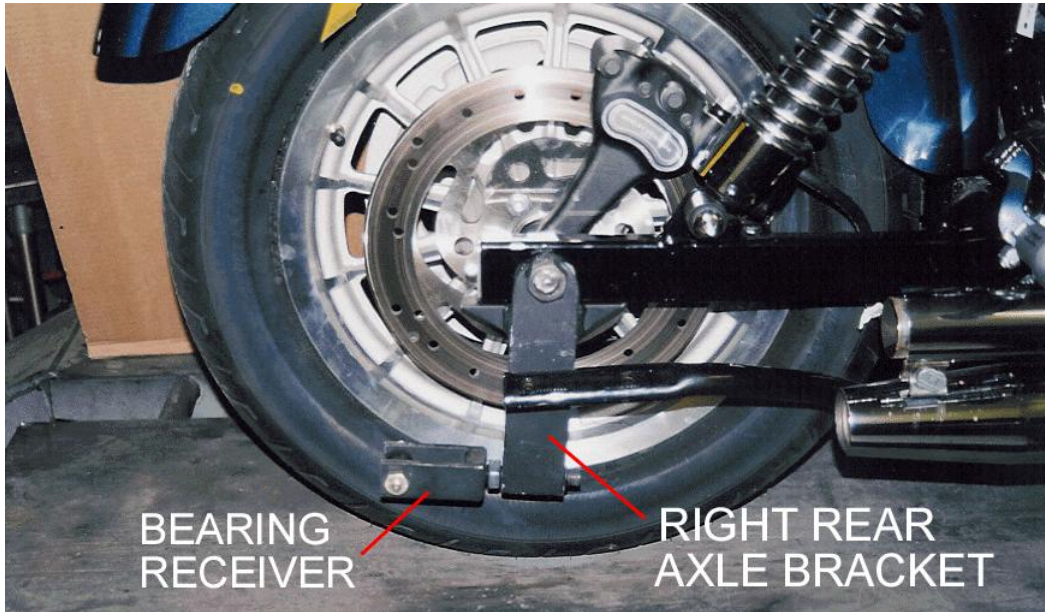
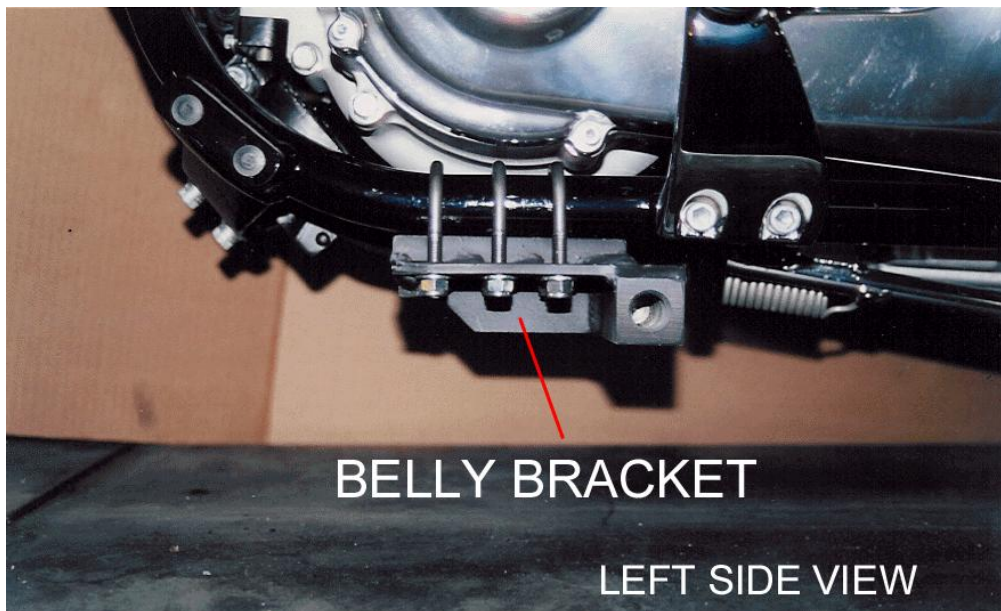
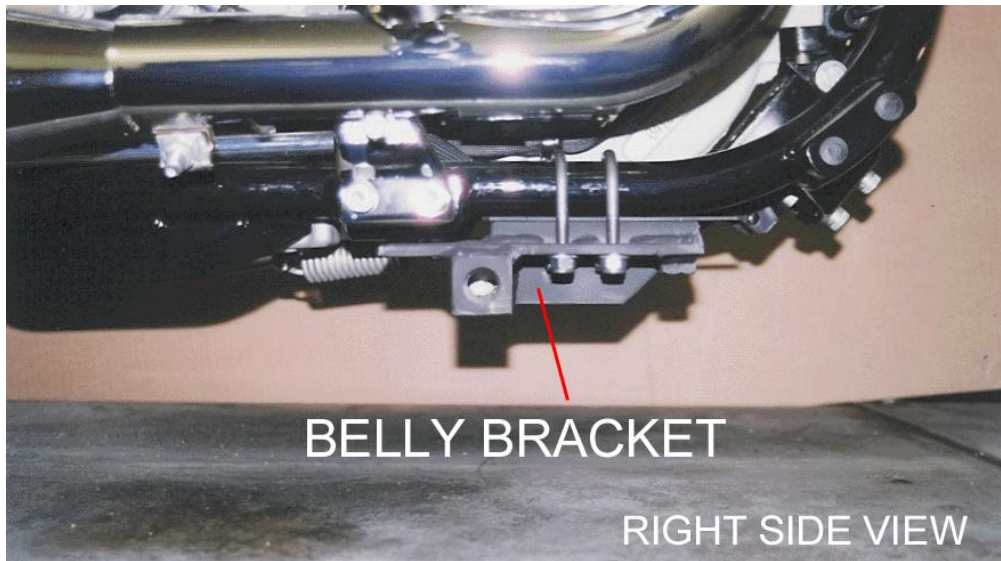


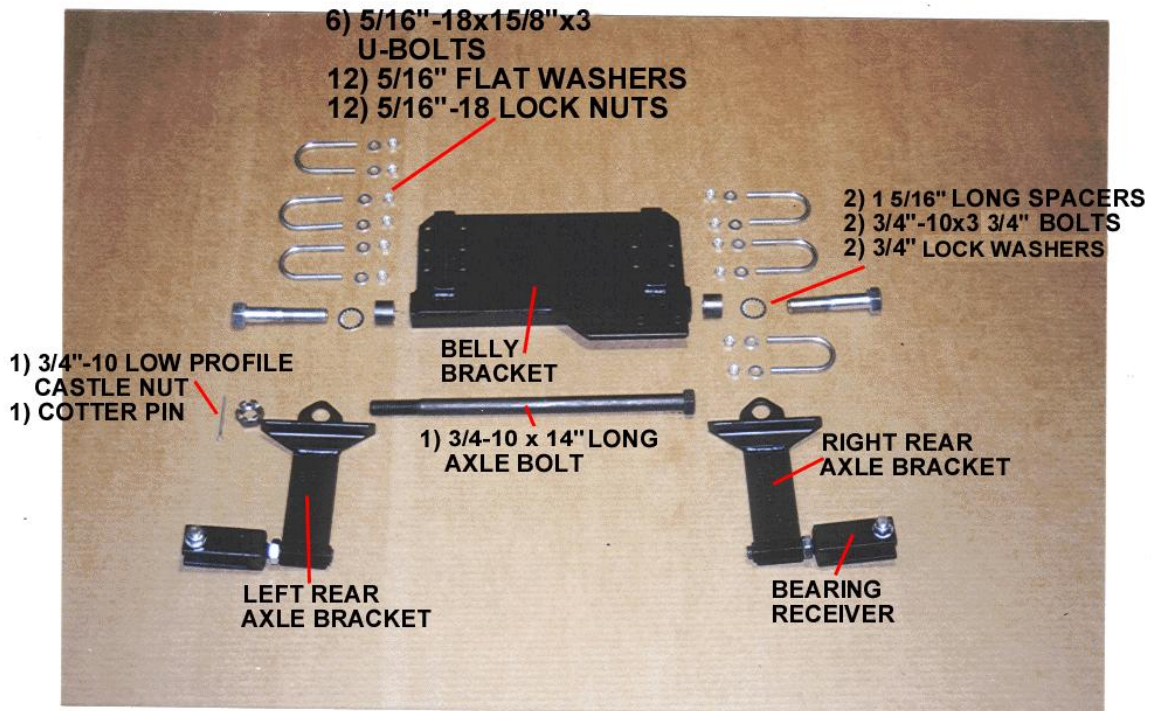
HARLEY-DAVIDSON DYNA (1982-2005) REAR AXLE BRACKETS INSTALLED



HARLEY-DAVIDSON DYNA (1982-2005) BELLY BRACKET INSTALLED



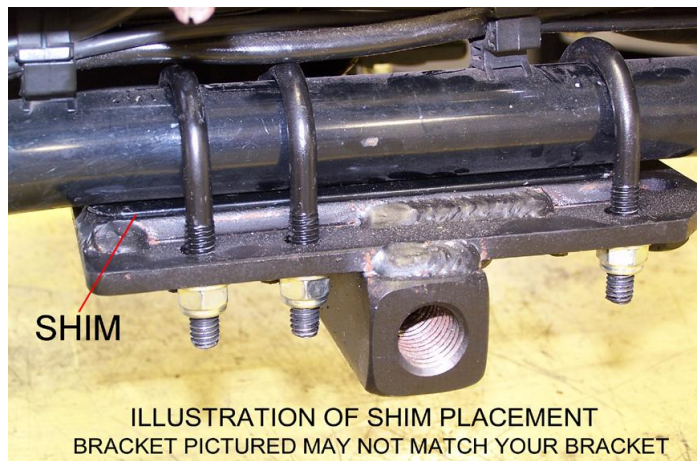
HARLEY-DAVIDSON DYNA (1982-2005) DESCRIPTION OF PARTS



One 6" shim – not shown in picture above.
You may or may not have to use the shim. See note

After installing the mounting hardware and attaching the Voyager frame to the belly bracket you may need a shim to make the motorcycle stand straight up and down. The shim 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 shim on the left side. If the motorcycle is leaning to the right put the shim on the right side. The shim will go on the front and back of one side of the belly bracket.

Install the shim in-between belly bracket and motorcycle frame.



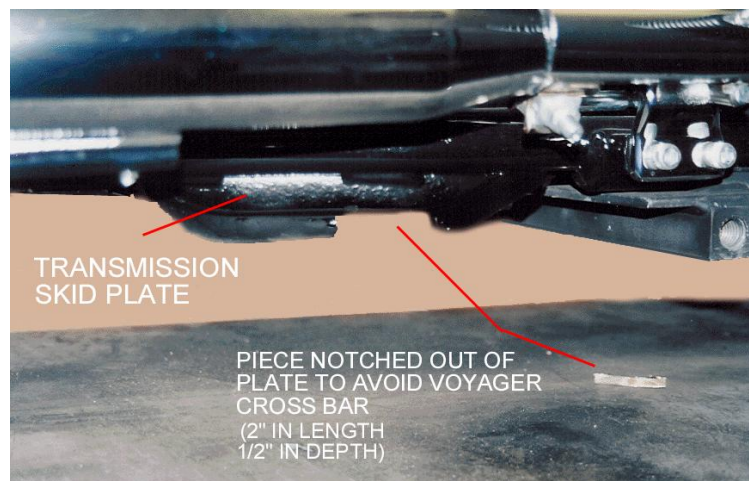
TRANSMISSION SKID PLATE ON A H-D DYNA 2001 or newer

On 2001 and newer H-D Dyna's, the transmission skid plate protrudes down farther than on the older Dyna's. Because the cross bars of the Voyager Kit are directly underneath this skid plate, under certain road conditions this skid plate could hit the cross bars of the Voyager.

- A) On a Dyna (2001-) with a transmission skid plate that protrudes 2 inches or more past the transmission, you can notch the skid plate.** There will still be plenty of the skid plate protecting the transmission pan. **NOTE: This procedure may alter your factory warranty. Proceed to direction "A" below.**
- B) On 2001- Dyna Models that have a skid plate that protrudes less than 2 inches past the transmission the skid plate cannot be notched because the Voyager cross bars will hit the transmission. Proceed to direction "B" below.**

DIRECTION "A" - notch the skid plate

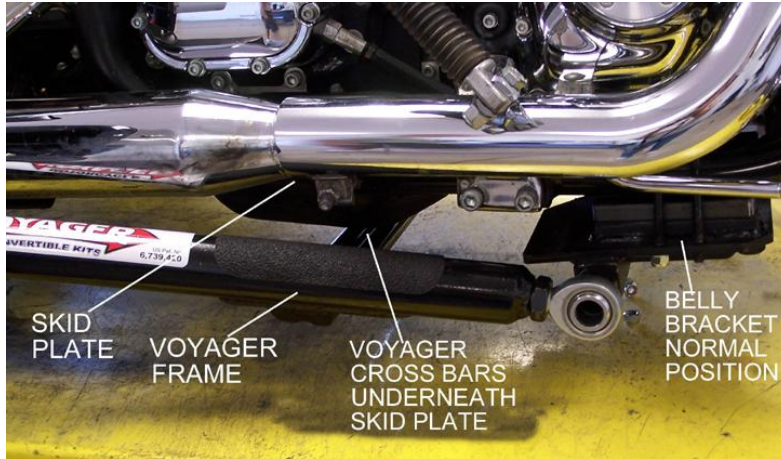
1. With the Voyager Kit on, make a mark with soap stone or white marker, one mark in front of cross bars to skid plate.
2. Then make another mark from the back of cross bar to skid plate.
3. The distance between the marks should be 2". Then measure up 1/2" and make a mark connecting the 2" marks.
4. Now remove the Voyager Kit.
5. There are many ways to cut this piece out, a thin cutting wheel on a grinder, or a sawsall are just a couple of ways. Whatever you use to cut this piece out make sure there are no gas or oil leaks. Also, make sure there are no hoses or electrical wires in the way.
6. This is not a very big piece, but when you put the Voyager Kit back on it will leave plenty of room for the Voyager cross bars. (Go back to Section 1 to continue installation of belly bracket and rear axle brackets.)



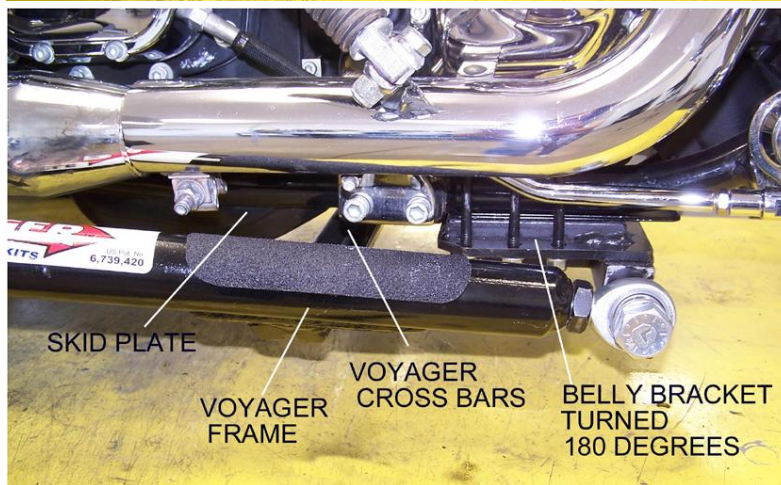
TRANSMISSION SKID PLATE ON A H-D DYNA 2001 or newer

DIRECTIONS “B” cannot notch out skid plate

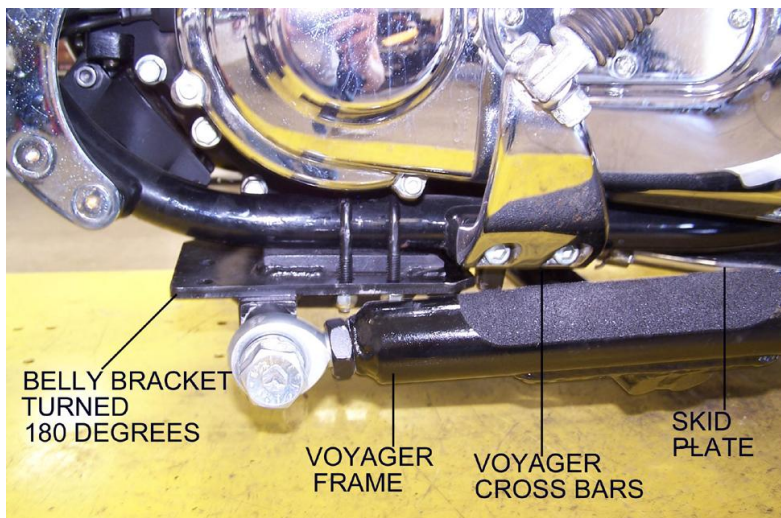
1. Turn the belly bracket 180°.
2. Place three (3) u-bolts over right side of frame and two (2) u-bolts on the left side of frame and install the belly bracket through u-bolts attaching with the ten (10) flat washers and locking nuts. (Shown in pictures below) (Go back to Section 1 Part B Two Rear Axle Brackets installation and continue installation.)



Belly bracket in normal position. Crossbars of Voyager frame underneath skid plate.



Belly bracket turned 180° moves frame forward and crossbars of Voyager frame ahead of skid plate. (Right side view)



Belly bracket turned 180° moves frame forward and crossbars of Voyager frame ahead of skid plate. (Left side view)

SECTION 1

INSTALLATION OF

HARLEY-DAVIDSON DYNA (1982-2005) HARDWARE

Place motorcycle on a clean flat surface. Be sure to tie down motorcycle so it does not tip over during installation of Voyager 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) Front Belly Bracket –

NOTE: If motorcycle has a skid plate go to page on Transmission Skid Plate for special instructions.

- 1) Install six (6) u-bolts over frame (three (3) on each side) and through the belly bracket. On some models only two u-bolts will be used on the right side.
- 2) Install the twelve (12) flat washers and locking nuts on the U-bolts.

B) Two (2) Rear Axle Brackets

- 1) Support rear swing arm assembly and remove the rear axle bolt.
- 2) Place right rear axle bracket on the rear axle bolt provided with kit and slide the axle bolt into place on motorcycle.
- 3) Place the left rear axle bracket on the axle bolt.
- 4) The swing arm attachment of our rear axle bracket should be touching the swing arm of your motorcycle.
- 5) Replace axle nut with the one provided in the kit.
- 6) After the new axle is reinstalled and adjusted and the new low profile castle nut is installed, drill a hole in the bolt to accommodate the cotter pin.

SECTION 1 INSTALLATION OF HARLEY-DAVIDSON DYNA (1982-2005) HARDWARE

NOTE: Due to a light front end on some H-D Dynas you may experience more front end shake. Motorcycle Tour Conversion, Inc. recommends wider handle bars (buckhorn style) and a steering damper or stabilizer.



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HARLEY DAVIDSON DYNA FAMILY (1982-2005)

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**