



# Softail Big Shots Staggered Exhaust System

## Part #17907

Congratulations, you have purchased the finest exhaust system available for your motorcycle.

Your VANCE & HINES exhaust system is designed and crafted for maximum performance, a perfect fit, a great sound and unbeatable style! Please follow the installation instructions below and if you have any questions, feel free to call our technical help line (562) 926-5291.

### STOCK EXHAUST SYSTEM REMOVAL

1. If equipped, loosen the floor boards to gain clearance for exhaust removal and installation.
2. Loosen heat shield clamps on both the front and rear head pipes.
3. If equipped, loosen crossover pipe clamp, located between front and rear head pipes.
4. Remove two cylinder exhaust port flange nuts from each head pipe, located at the cylinder head.
5. Remove the bolts that attach mufflers to the frame.
6. Remove the complete exhaust system and set aside. Assistance may be required.
7. Remove stock mounting bars and brackets.
8. On models equipped with upper mounting bar attached at swing arm pivot bolt, go to step 9. If upper mounting bar is attached with two torx bolts (not swing arm bolt) go to step 10.
9. Remove right side 1/4"-20 bolt which holds lower fender in place. The fender will flex outwards allowing removal of right passenger foot peg bolt. Park the motorcycle on its side stand. Position a floor jack under right hand frame tube of the motorcycle below swing arm pivot bolt. Raise jack just enough to take the weight off swing arm pivot bolt. Remove swing arm pivot bolt and stock upper mounting bar. Replace swing arm pivot bolt and torque to 120 ft. lbs. Reinstall passenger foot peg using 1/2"-20 x 3" bolt and 1 5/8" long spacer (supplied). Reinstall 1/4"-20 fender bolt.
10. Using a T50 torx driver, remove the three mounting bolts and mounting bar. (Two of the bolts are visible, the third also attaches right hand passenger foot peg pivot and is accessed by removing foot peg. Reinstall foot peg using 3/8"x 2-1/2" Allen bolt and 3/4" long spacer (supplied).
11. Carefully remove exhaust port flanges and circlips from the stock exhaust system using snipping pliers. **NOTE: Replace bent or damaged circlips. Check exhaust port gasket condition.** (Recommended replacement exhaust port gaskets, Harley part number: 17048-98 or 65324-83A)

### VANCE & HINES EXHAUST SYSTEM INSTALLATION

1. Remove header and heat shields from protective packaging. **Note:** Removal of end cap may be required. Place each heat shield on a

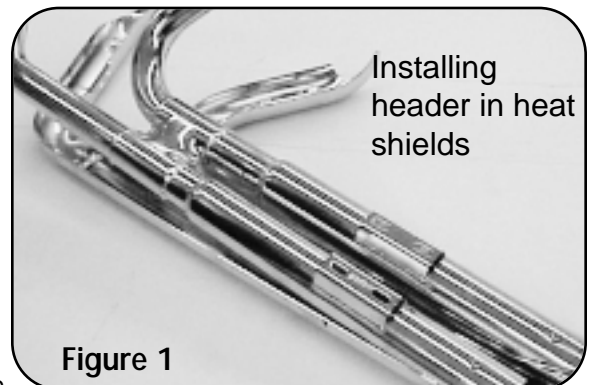


Figure 1

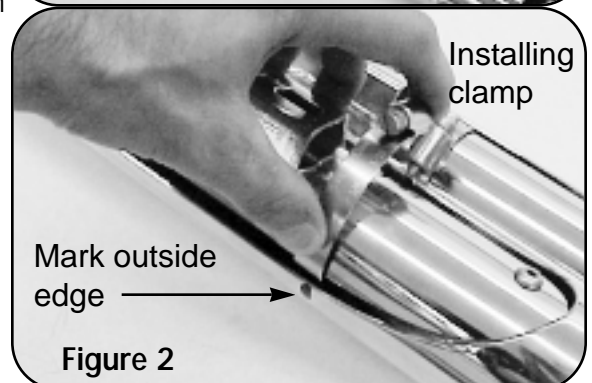


Figure 2

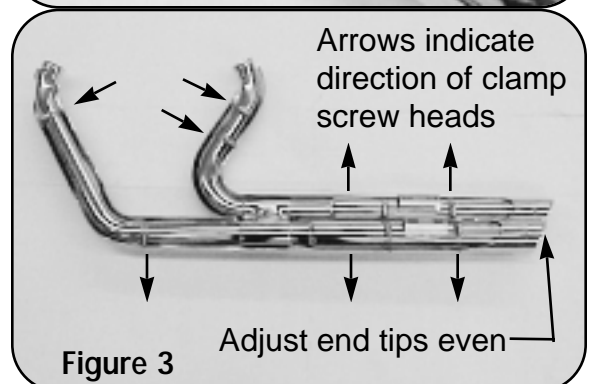


Figure 3

non-abrasive surface such as a blanket or carpet. Using a felt tip pen, mark outside edge of each heat shield to show location of mounting clips that hose clamps will loop through. Slide header into heat shields tail end first, engaging end caps. (Figure 1)

2. Install end caps (if removal was necessary) into tail end of each heat shield engaging head pipe and heat shield. Align mounting hole with end cap hole. Install and tighten 1/4"-20 button head screws. **Note:** Removable thread locking compound is recommended.
3. Install each hose clamp by feeding tail end of clamps into heat shield clips. Take note of location of clamp screw head direction. (Figure 2 & 3) (screw head must be accessible when system is installed on motorcycle for adjustment purposes). Align end tips evenly and tighten hose clamps.
4. Install exhaust port flanges and circlips (from stock system) onto head pipes. (Figure 4)
5. Attach mounting bracket 330 (supplied) using four 5/16"x5/8" flange bolts and two nut plates (supplied). Slide nut plates inside brackets that are welded to backside each muffler. (Figure 5) Leave them loose at this time. Use this procedure for both upper and lower muffler mounting positions.
6. Install complete assembly into exhaust ports (rear port first). Use stock flange nuts, do not tighten at this time. Install two 3/8"x3/4" flange bolts (supplied) attaching exhaust bracket to motorcycle right side lower frame rail. (If equipped, plastic plugs must be removed).
7. Tighten exhaust port flange nuts and mounting bracket bolts.
8. Tighten the floor board mounting bolts on models so equipped.  
**Note:** On pre 2000 models a washer has been supplied to space floor board rear mount away from front heat shield.
9. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
10. **All hardware must be properly tightened before starting motorcycle.**

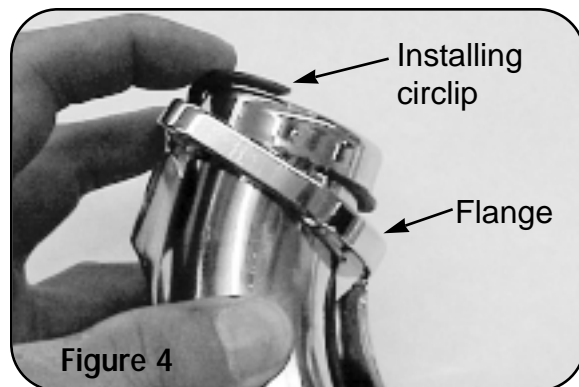


Figure 4

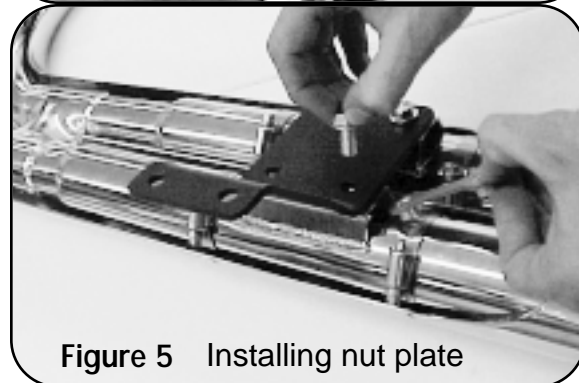


Figure 5 Installing nut plate

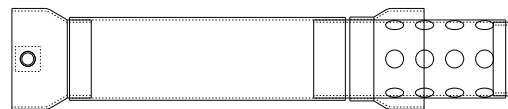
#### Option

On fuel injected models this system will work with Vance & Hines Fuelpak part number 61001. Order it today from your dealer or go to [vanceandhines.com](http://vanceandhines.com) for more information.



#### Option

Vance & Hines also offers Quiet baffles for this system, part number 21869. This will lower the sound level 2-3db on average. Order it today from your dealer or go to [vanceandhines.com](http://vanceandhines.com) for more information.



#### RE-JETTING INSTRUCTIONS

Re-jetting the carburetors will result in realizing the "full" potential of this performance exhaust system. Vance & Hines offers jet kits for most applications. For fuel injected models, we recommend the use of Vance & Hines Fuelpak part number 61001.

#### PLEASE NOTE:

Every effort is made for Vance & Hines Exhaust Systems to provide improved cornering clearance. However, due to design and space limitations on some motorcycle models, ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation instructions.

#### WARNING!

**VANCE & HINES DOES NOT WARRANTY ANY CHROME PRODUCTS AGAINST DISCOLORATION.**

For information on other Vance and Hines products visit our web site at [www.vanceandhines.com](http://www.vanceandhines.com)