



SOFTAIL 2 into 1 Pro Pipe HS Exhaust System Part #17521

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.

REMOVING THE STOCK EXHAUST SYSTEM

1. On FLSTC, FLSTF, FLSTN and FXSTS loosen the floor boards to gain clearance for exhaust removal and installation.
2. Loosen the heatshield clamps on both front and rear exhaust pipes.
3. Loosen the crossover pipe clamp, located between the front and rear head pipe. (This step is not necessary on 2000 models).
4. Remove the two mounting nuts from each head pipe, located at the cylinder head.
5. Remove the bolts that attach the mufflers to the frame.
6. Remove the entire exhaust system and set it aside.
7. On pre 2000 models remove the lower mounting bar.
8. FLSTN, FLSTF and FXSTD models have an upper mounting bar that must be removed in addition to the lower bar, follow step 9 or 10 for removal.
9. **On 1999 and earlier models:** Park the motorcycle on its side stand. Remove the right side 1/4"-20 bolt which holds the lower fender in place. The fender will flex out of the way allowing the removal of the right passenger foot peg bolt. Position a floor jack under the right hand frame tube of the motorcycle below the swing arm pivot bolt. Raise the jack just enough to take the weight off the pivot bolt and remove the bolt and stock mounting bar. Set the mounting bar aside. Replace the pivot bolt and torque it between 120 -150 ft. lbs. Reinstall the passenger foot peg using the 1/2"-20 x 3" bolt and an 1 5/8" long spacer (hardware supplied).
10. **On 2000 and later year models:** Using a #50 Torx driver, remove the three mounting bolts, and set the mounting bar aside. (Two of the bolts are visible, the third is accessed by removing the right hand passenger foot peg.) Replace the foot peg using the 3/8"-16 x 2 1/2" bolt and 3/4" length spacer (hardware supplied).
11. Carefully remove the flanges and circlips from the stock exhaust system using circlip pliers.

NOTE: If circlips look bent or twisted replace them.

INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. Vance and Hines recommends you replace your exhaust gaskets with Screamin' Eagle gaskets part number 17048-98.
2. Install the circlips and flanges from the stock system on to both of the new head pipes.
3. Unscrew all of the hose clamps (supplied) until they are completely loose. Mark the top edge of all three heat shields with the location of the mounting clips that are welded to the backside. Position the front heat shield over the head pipe and feed the tail end of the hose clamps into the clips. Be sure that each hose clamp is engaged with both clips. Repeat this step with the rear and collector heat shields. To facilitate the installation of the collector heat shield use a forward sliding motion from the rear of the collector. **Do not force the collector heat shield directly onto the collector as damage to the heat shield will result.** Note: the collector heat shield uses the 3/8" wide clamps.
4. Install the header section using the stock nuts, do not tighten at this time.

5. Install the mounting bracket to the frame, by aligning the two 3/8" holes with the two holes in the frame below the right rear footrest, using the two 3/8" x 3/4" flange head bolts (supplied), do not tighten at this time.
6. Install the megaphone clamp over the inner slip joint tube at the front of the megaphone.
7. Slip the megaphone onto the head pipe collector, engaging the collector heat shield between the clamp and the outer slip joint tube. Slide one dog bone shaped nut plate under the bracket that is welded to the backside of the muffler and attach the muffler to the mounting bracket using two of the 5/16" x 5/8" flange head bolts (supplied).
8. Tighten the mounting hardware beginning with the head pipe flanges, the collector clamp, the mounting bracket and the megaphone mounting bolts last.
9. Align the three heat shields so the ends meet each other while also aligning the welds on the collector and the collector heat shield with each other (Refer to Fig 1). Tighten the clamps.
10. On models with floor boards retighten them.
11. Clean all grease, oil and finger prints from the exhaust system before starting your motorcycle.
12. **Be sure to tighten all hardware before starting your motorcycle.**

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.

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 for more information.



WARNING!

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

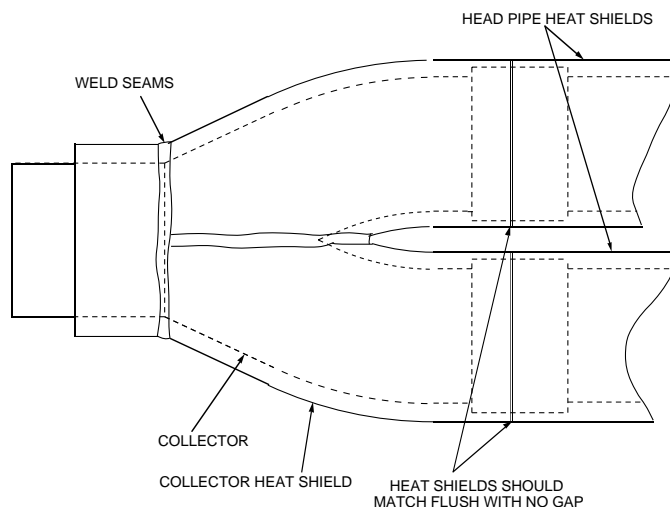


Fig. 1

For information about other Vance and Hines products visit our web site at www.vanceandhines.com