



VT1100 SHADOW EXHAUST SYSTEM

Part # 19463, 18403 & 18463

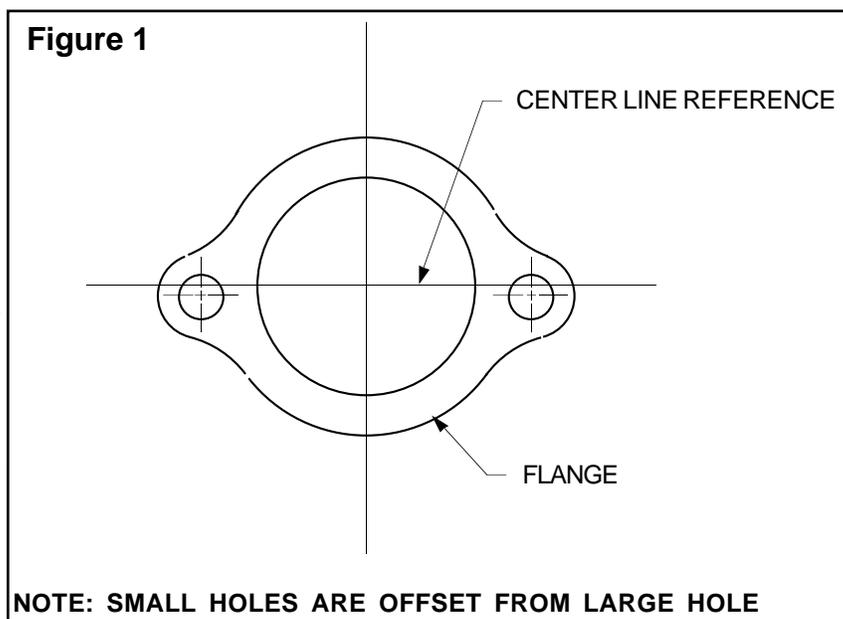
CONGRATULATIONS! You have purchased the finest exhaust system available for your motorcycle. Your VANCE & HINES exhaust system is designed for today's rider, a rider who needs maximum performance, great styling and a perfect fit. Important: **Read the installation instructions carefully before you begin removing any parts from your motorcycle and if you have any questions, feel free to call our technical help line (562) 926-5291.**

REMOVING THE STOCK EXHAUST SYSTEM

1. Remove the two header nuts from the exhaust port on both front and rear cylinders. The nuts will be reused during installation.
2. Remove the mounting bolts/nuts located below the lower muffler. Carefully remove the entire system and set it aside. **Note:** The system is heavy so have someone assist you.
3. Remove the muffler mounting bracket from the frame but save the two bolts for reuse.

INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. Check the stock exhaust gaskets to be sure they are in good shape. If you have any doubts as to their condition, replace them.
2. Remove the bar bracket from the box. Hold the bar bracket in front of you with the four hole bracket positioned to the right hand side and pointing down. Mount one muffler to the bracket on the left hand side of the bar using two of the 5/16" bolts (supplied) and leave them loose. Be sure the small end of the muffler is pointing to the right hand side.
3. Slide a chrome muffler clamp (supplied) onto the inlet end of each muffler.
4. Slide a new flange onto each header tube. **Note: The two smaller holes in the header flanges are offset from the large hole. If the small holes do not align with studs at the exhaust port, spin the flange on the pipe one half of a turn and try again. Refer to Figure 1.**
5. Place the head pipe into the heat shield, unscrew all of the hose clamps (supplied) until they are completely loose. Feed the tail end of the hose clamp into the clips on the inside of both heat shields. Wrap the hose clamp around the head tube and give the screw three to four turns, leaving heat shield loose on the head pipe. **Note:** The screw end of the hose clamp should be accessible, but not visible when pipe is mounted on the bike.



6. Mount the rear head pipe into the rear exhaust port using the two stock nuts. Note: Cylinder port studs are offset from center of port, rotate flange so that studs align properly with flange holes.
7. Slide one dog bone shaped nut plate (supplied) under the bracket that is welded to each muffler.
8. Slip the top muffler and bracket assembly over the rear head pipe while aligning two holes in the bar bracket with the two holes on the frame. **Note: Be sure the bar bracket is mounted on the outside the frame!**
9. Install the two stock mounting bolts into the frame bracket, install the two nuts (supplied) on the back side, but leave them loose for adjustment.
10. Mount the second muffler to the lower mounting position on the VHR bracket.
11. Slip the front head pipe into the lower muffler and pivot the pipe into the front exhaust port.
12. Install the two stock nuts onto the front head pipe. **Note: Use the supplied spacers between the nut and flange if you have a standard '95 or '96 Shadow.**
13. Tighten all hardware in the following order.
 - (a) Tighten the four nuts evenly at the exhaust ports.
 - (b) Tighten the two bolts below the lower muffler.
 - (c) Tighten the two 5/16" bolts on each muffler, then tighten the clamp bolt on each muffler.
 - (d) Tighten the heat shield clamps.
14. Check the gap between the heat shield and the muffler, it should be about a 1/16", if not, adjust the heat shield and/or muffler to gain the proper clearance.
15. 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.

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, (center stand, oil filter, oil pan etc.) ground and cornering clearance may not 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.