

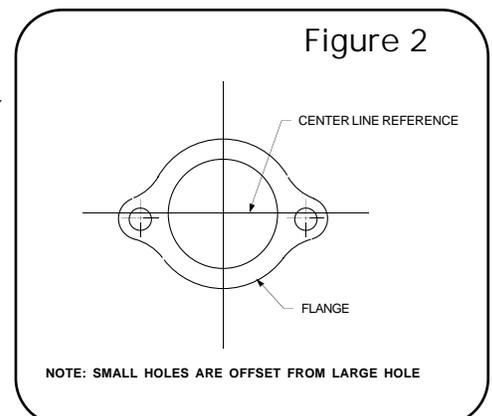
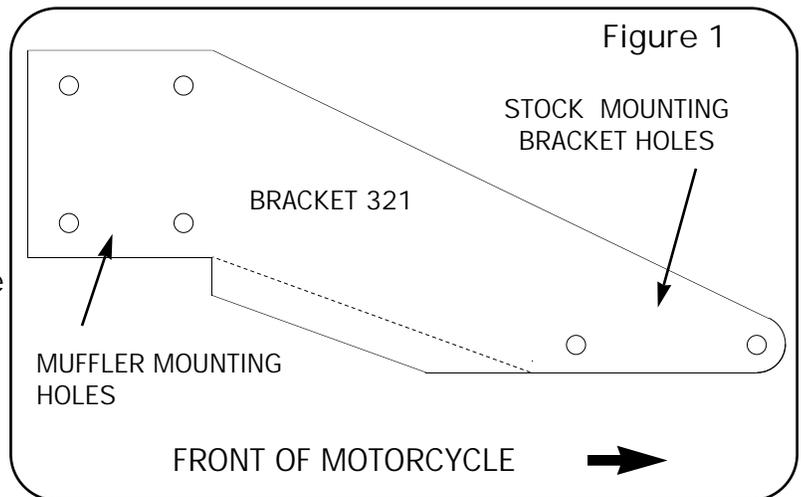
CONGRATULATIONS! You have purchased the finest exhaust system available for your motorcycle. Your VANCE & HINES exhaust system is designed for today's rider, a rider who needs maximum performance, great styling and a perfect fit. Please follow the installation instructions below and if you have any questions,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

### REMOVING THE STOCK EXHAUST SYSTEM

1. Remove the right side frame cover from motorcycle to avoid damage during removal and installation of exhaust systems.
2. Remove the two flange nuts (save) from each exhaust port on both front and rear cylinders.
3. Remove the two mounting bolts/nuts (save) located below the lower muffler. Carefully remove complete system and set it aside. Note: The system is heavy so have someone assist you.

### INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. On the right side of motorcycle, align bracket 321 (supplied) outside of stock exhaust bracket and attach using stock bolt/nut combination. (Figure 1) Note: Be sure bracket 321 is mounted outside the frame bracket!
2. Slide an exhaust port flange onto each head pipe.
3. Unscrew each hose clamp (supplied) until tail end is separated from clamp head. Mark top edges of each heat shield with the location of mounting clips that are welded to back side. Place head pipe on a non-abrasive surface such as a blanket or carpet. (Reduces risk of scratching chrome plating.) Position the rear heat shield over rear head pipe and feed the tail end of each hose clamp into the clips. Be sure that each clamp is engaged into both clips and turn screw three to four turns, leaving heat shield loose on the head pipe. Repeat this procedure with the front heat shield. Note: *The screw hex head of the hose clamp should be accessible, but not visible when pipe is mounted on the bike.*
4. Check the stock exhaust gaskets to be sure they are in good shape. Replace damaged gaskets.
5. Mount the front head pipe into front exhaust port using stock flange nuts. Note: *Cylinder port studs are offset from center of port, rotate flange so that studs align properly with flange holes.* (Figure 2)
6. Mount the rear head pipe into rear exhaust port using stock flange nuts.



7. Slide each muffler clamp (supplied) onto the inlet end of upper and lower mufflers.
8. Slide one dog bone shaped nut plate under the bracket that is welded to each muffler.
9. Slip the top muffler over rear head pipe and attach to mounting bracket with 5/16" flange bolts (supplied).
10. Repeat above procedure with lower muffler and front head pipe.
11. Adjust the mufflers parallel to each other and straight on head pipes. Torque all hardware in the following order:
  - (a) Flange bolts below the lower muffler attaching bracket 321 to stock exhaust bracket.
  - (b) 5/16" flange bolts on each muffler
  - (c) Hex bolts on each muffler clamp.
  - (d) Flange nuts (evenly) at the exhaust ports.
  - (e) Heat shield clamps.Important Note: The end of each heat shield should match flush with front edge of mufflers. If not, loosen mufflers and heat shields for adjustment until proper alignment is achieved.
12. Remove oil and finger prints from chrome using a soft cloth and chrome polish before starting engine.
13. Be sure to tighten all hardware before starting your motorcycle.

#### RE-JETTING INSTRUCTIONS

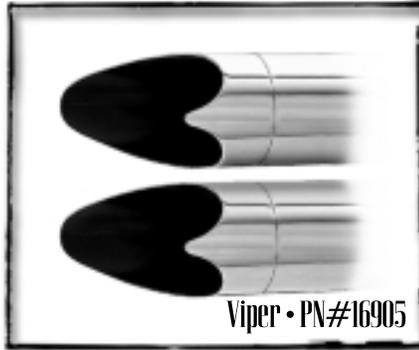
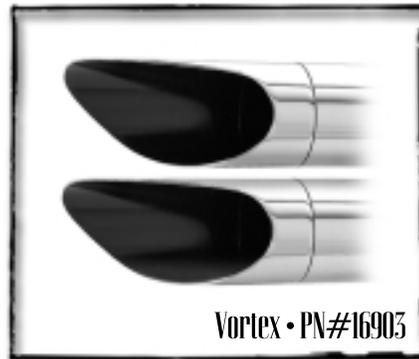
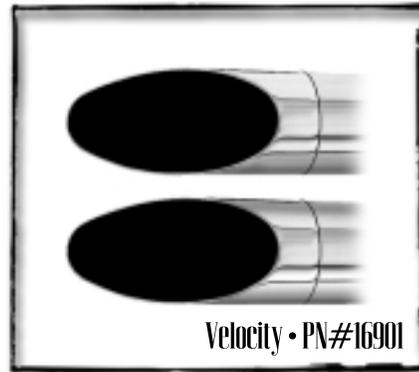
Re-jetting the carburetors will result in realizing the "full" potential of this performance exhaust system. Vance & Hines offers jet kits for most applications. For fuel injected models, we recommend the use of an adjustable fuel management system.

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 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)

# Customize Your Longshots!



## Optional Hot-Tips



Contact your local Vance & Hines dealer for more information!  
[www.vanceandhines.com](http://www.vanceandhines.com)