



**INTRUDER LC1500
LONGSHOT
EXHAUST SYSTEM
Part #18283**

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 fitting system. 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 top muffler by loosening the bolt on the pinch clamp at the pre-muffler chamber. Remove the two mounting bolts under the muffler and set the muffler aside. Save the stock hardware for reuse.
2. Remove the front head pipe by loosening the pinch clamp bolt at the pre-muffler chamber and removing the flange nut and bolt at the cylinder head. Pivot the head pipe out from the cylinder head, pull forward to remove it from the pre-muffler chamber and set it aside.
3. Remove the rear head pipe, lower muffler and pre-chamber as an assembly. Remove the flange nuts at the cylinder head and three mounting bolts from the pre-chamber, (two are accessible from the right hand side and one from the left). Lower the assembly down and set it aside.
4. Remove the flanged steel spacers from the left pre-muffler mounting point on the frame and the right rear muffler mounting point. Note: The VHR exhaust system does not use the left mounting point. The spacer will fall out if it is not removed prior to operation.
5. Remove the rubber bushings from the left pre-muffler mounting point and the right rear muffler mounting point.

INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. Install the two flanged spacers (supplied) into each side of the right rear muffler mounting point. *Refer to figure 1.*
2. Using the stock hardware, install the muffler mounting bar (supplied) to the right side muffler mounting points, with the flanged spacers in place. Note: *Refer to figures 1 and 2.*
3. Install a chrome header flange (supplied) onto each of the head pipes.
4. Unscrew all of the hose clamps (supplied) until they are completely loose. Mark the top edges of the heat shields with the location of the mounting clips that are welded to the back side of the heat shields. Position the rear heat shield over the rear head pipe and feed the tail end of the hose clamps into the clips. Be sure that each clamp is engaged into both clips. Engage the tail portion of the clamp with the screw portion and give it three to four turns. Leaving the clamps loose at this time will aid in their adjustment later. Repeat this procedure with the front heat shield. Note: *The screw end of the hose clamp should be accessible, but not visible when pipe is mounted on the bike.*
5. Check to be sure that the stock exhaust gaskets are in good shape. If you have any doubts as to their condition, replace them.
6. Install the front head pipe with the heat shield attached, to the front cylinder using the stock nut and bolt. Leave them loose at this time.
7. Install the rear head pipe with the heat shield attached, to the rear cylinder using the stock nuts. Leave them loose at this time.

8. Slide a chrome muffler clamp (supplied) onto the inlet end of each muffler. Install a 5/16" x 1 1/4" bolt with a flat washer on either side of the clamp followed by a lock nut (hardware supplied). Leave the clamp loose at this time.
9. Slide one dog bone shaped nut plate under the bracket that is welded to each muffler.
10. Slip one muffler onto the rear head pipe. Align the bracket that is welded to the backside of the muffler with the upper two holes in the VHR muffler mounting bracket. Mount the muffler to the bracket using two 5/16"x 5/8" flange head bolts (supplied), leave the bolts loose at this time.
11. Slip the remaining muffler onto the front head pipe. Align the bracket that is welded to the backside of the muffler with the lower two holes in the VHR muffler mounting bracket. Mount the muffler to the bracket using two 5/16"x 5/8" flange head bolts (supplied), leave the bolts loose at this time.
12. Align the mufflers so they are parallel when viewing from the right side of the bike. Tighten the 5/16" flange head bolts on the back side of both mufflers.
13. Tighten the exhaust flange bolt and nuts evenly at the cylinder head.
14. Tighten the two muffler clamps at the slip joints.
15. Rotate the hose clamps on both heat shields so they are accessible with a screw driver and tighten each of them evenly.
Important Note: The end of the heat shields should mount flush with the edge of the muffler bodies. If not, loosen the muffler and adjust it fore and aft until the heat shield is flush with the muffler body. *Refer to figure 3.*
16. Check to be sure there is adequate clearance between all exhaust system components and the motorcycle.
17. Wipe any finger prints or oil off of the exhaust system.
18. Be sure to tighten all hardware before starting your motorcycle.

RE-JETTING INSTRUCTIONS

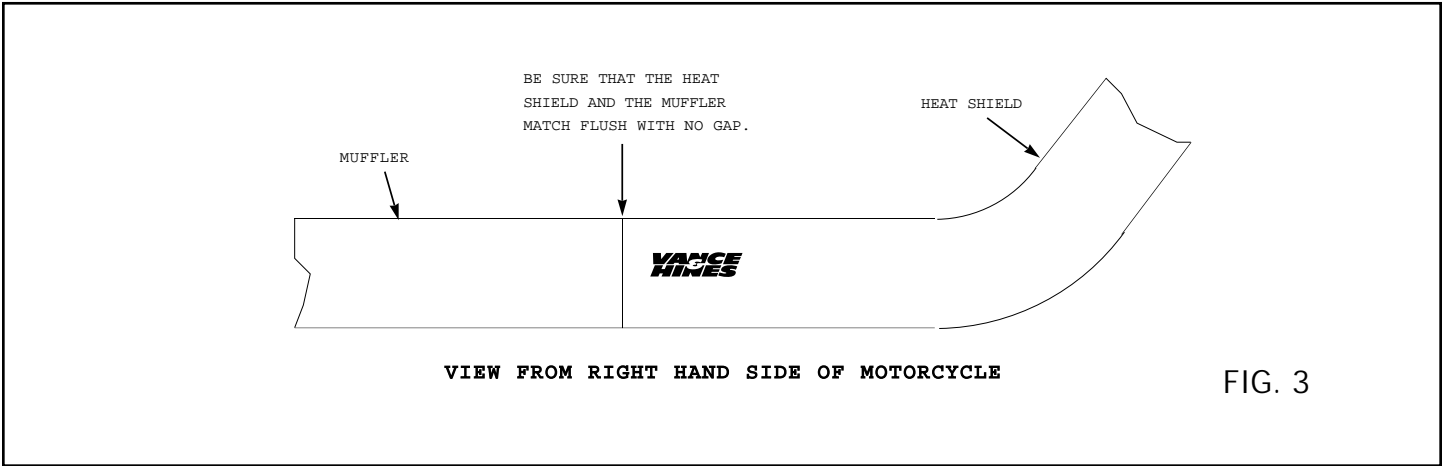
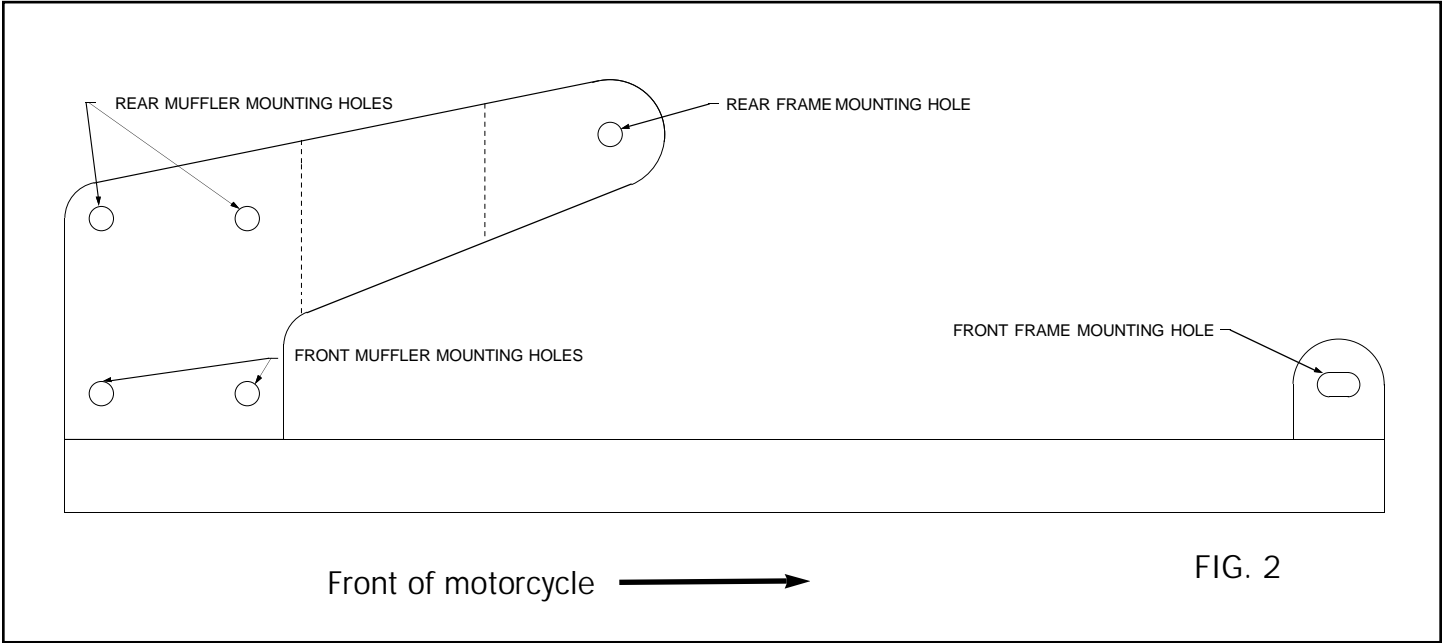
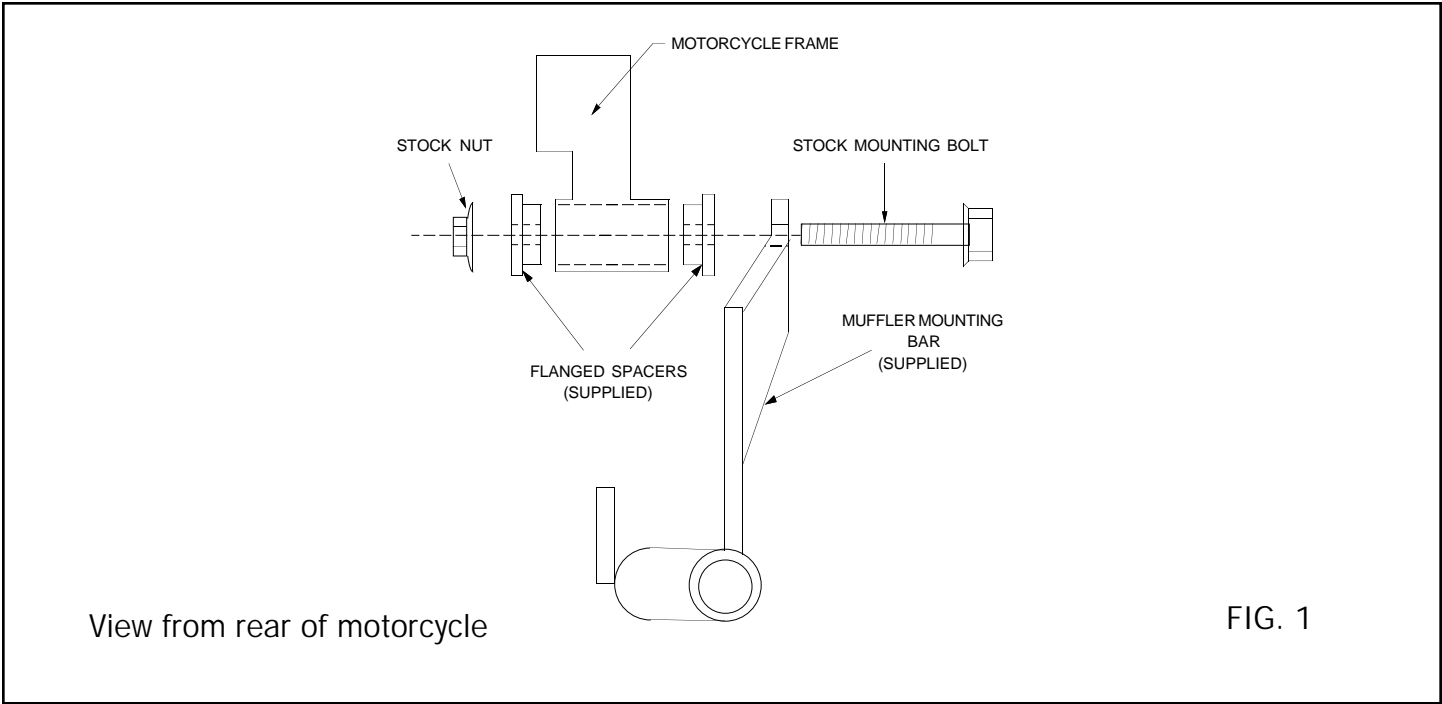
Re-jetting the carburetors will result in realizing the "full" potential of this performance exhaust system. Vance & Hines offers jet kits for most applications.

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, ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation instructions.

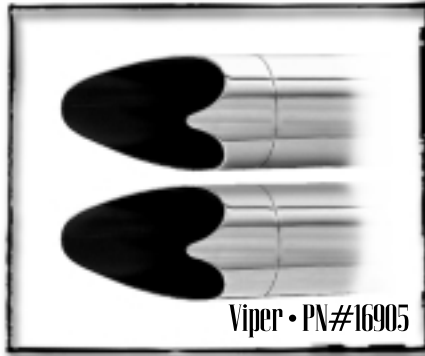
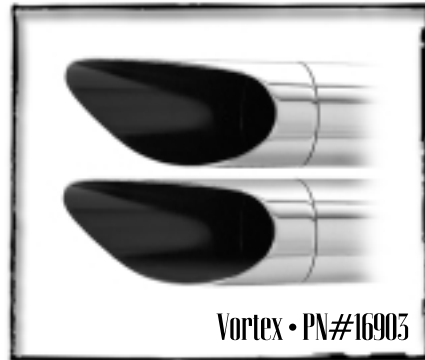
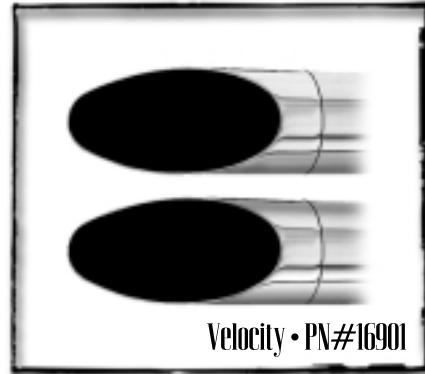
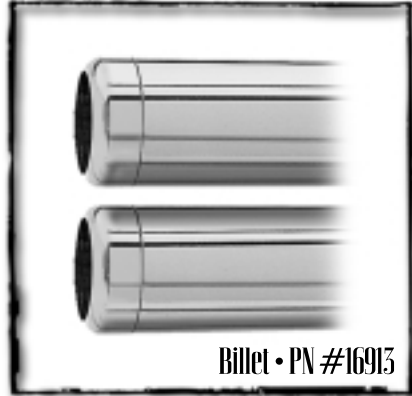
WARNING!

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

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



Customize Your Longshots!



Optional Hot-Tips



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www.vanceandhines.com