



VOLUSIA 800 CRUZERS EXHAUST SYSTEM

Part #31267

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.

STOCK EXHAUST SYSTEM REMOVAL

1. Remove cylinder exhaust port bolts that connect front and rear head pipes to cylinders.
2. Remove nuts (save) that connect mufflers to mounting bracket. Remove complete system.

Note: Assistance may be required.

VANCE & HINES EXHAUST SYSTEM INSTALLATION

1. Check condition of stock exhaust gaskets. Replace if damaged or worn.
2. Install mounting bracket (stamped 327) in the original muffler mounting position, using two stock 8mm bolts and nuts. Refer to figure 1.
3. Mark outside surface of front and rear heat shields with location of mounting clips that are welded to the inside. Place each heat shield on a non-abrasive surface such as a blanket or carpet position each head pipe/muffler over its respective heat shield. Refer to figure 2.
4. Feed tail end of each hose clamp through each mounting clip welded to back side of front and rear heat shields. Take note of clamp hex screw head direction. (Clamp head direction is critical for adjustment when system is installed on bike) Wrap each clamp around back side of head pipe starting tail end into clamp head. Refer to figure 2 & 3.
5. Install front head pipe/muffler using M8 x 35 allen head bolts (supplied). Slide dog bone shaped nut plate (supplied) inside bracket welded to backside of muffler. Attach muffler to mounting bracket 327 using 5/16" flange bolts (supplied) engaging dogbone nut plate. Leave head pipe/muffler assembly loose at this time. Refer to figure 4. Repeat this step with the rear head pipe.
6. Align mufflers so they are parallel when viewing from right side of the motorcycle. Tighten 5/16" flange bolts securing upper and lower muffler positions.
7. Tighten cylinder exhaust port flange bolts securing head pipes to cylinder heads.
8. Adjust heat shields so they meet front of muffler taper. Refer to figure 5. Tighten all hose clamps securing heat

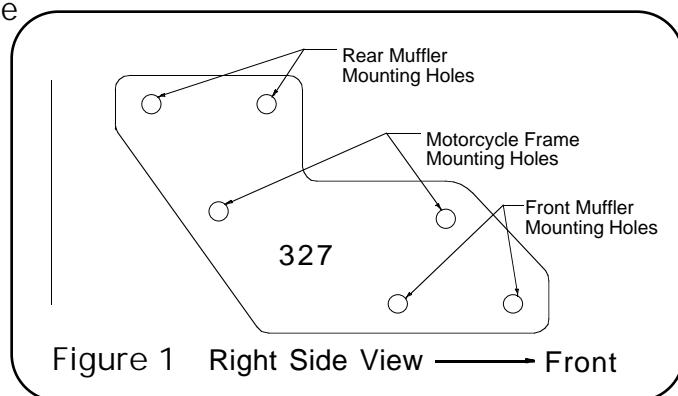


Figure 1 Right Side View → Front

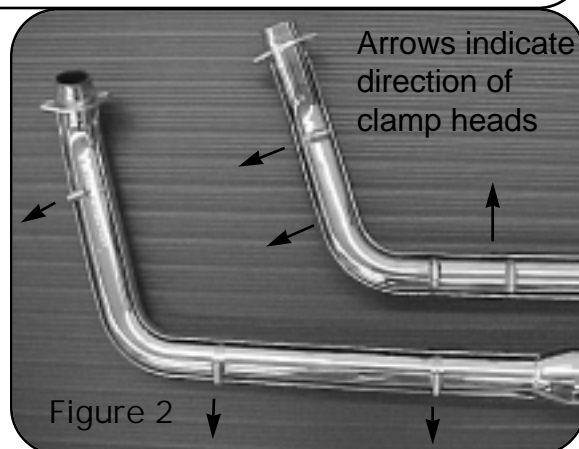


Figure 2

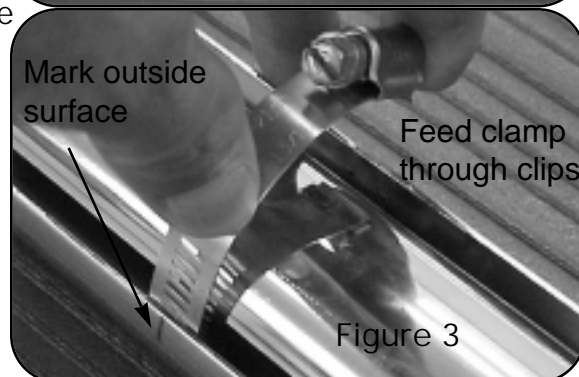


Figure 3

shield locations. Note: Heat shields should cover muffler/head pipe weld joint.

9. Remove oil and finger prints from chrome using a soft cloth and chrome polish before starting engine.
10. All hardware must be properly tightened before starting motorcycle.

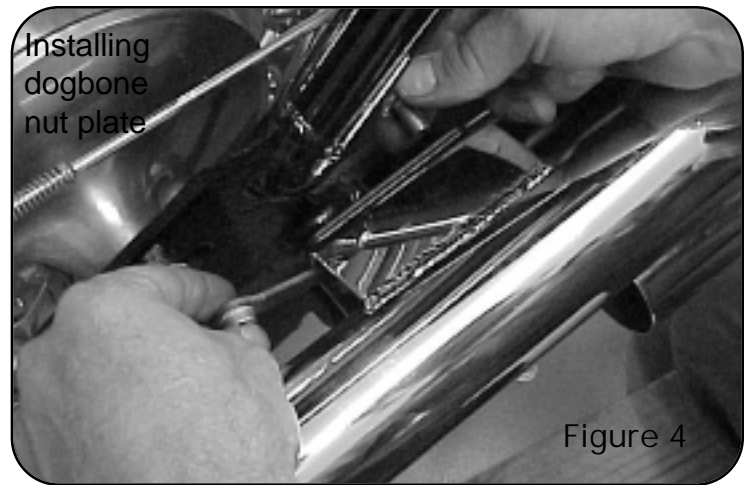


Figure 4

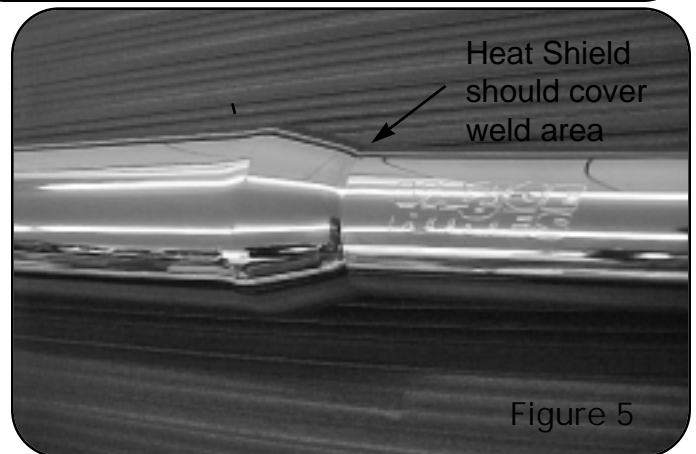


Figure 5

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