

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.

Attention Installer: (if other than owner): Please forward this instruction sheet to the purchaser of this product. These instructions contain valuable information necessary to the end user.

STOCK EXHAUST SYSTEM REMOVAL

1. Remove right side rider and passenger footpeg assemblies. (Save footpegs and bolts for future reassembly. Do not disconnect brake master cylinder plunger rod.)
2. Remove front cylinder exhaust port flange nuts. (Save)
3. Remove rear cylinder exhaust flange bolts. (Save)
4. Remove two bolts connecting muffler mounting bracket to lower frame rail.
5. Remove bolt connecting muffler to upper muffler bracket. Carefully remove complete system from motorcycle. (Assistance is recommended.) Note: Apply tape on crank case area just in front of rear head pipe bend to protect paint during disassembly and assembly.
6. Remove M6 x 35 button head screws connecting rear brake master cylinder reservoir to stock muffler bracket. (Do not disconnect hose. Save screws.)
7. Remove stock upper muffler bracket. (Save M10 x 25 button head bolts for reassembly.)

VANCE & HINES EXHAUST SYSTEM INSTALLATION

1. Check condition of stock exhaust gaskets. Replace if damaged or worn.
2. Install rear brake master cylinder reservoir bracket (stamped 333) using saved M10 x 25 bolts and supplied M10 lock nuts (Figure 1).
3. Attach rear brake master cylinder reservoir to bracket (stamped 333) using saved M6 x 35 screws and supplied M6 lock nuts (Figure 1).
4. Install and tighten mounting bracket (stamped 336) to frame using supplied M10 x 25 button head allen bolts (Figure 2), If required, M10 flat washers are provided to space bracket away from frame casting ridge.
5. Place heat shields on a non-abrasive surface such as a blanket or carpet. Mark outside surface of front and rear heat shields with location of mounting

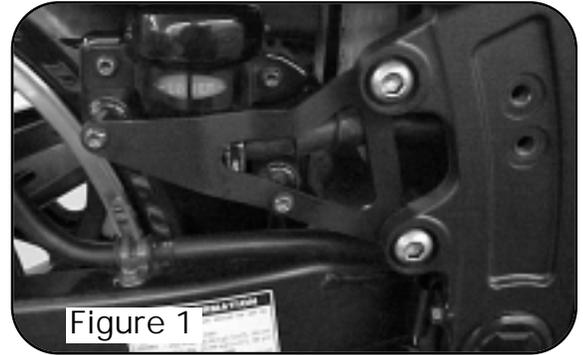


Figure 1

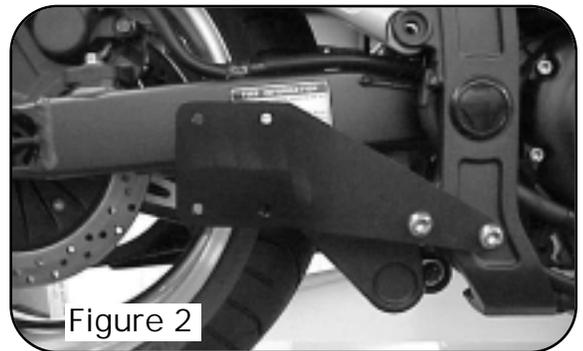


Figure 2

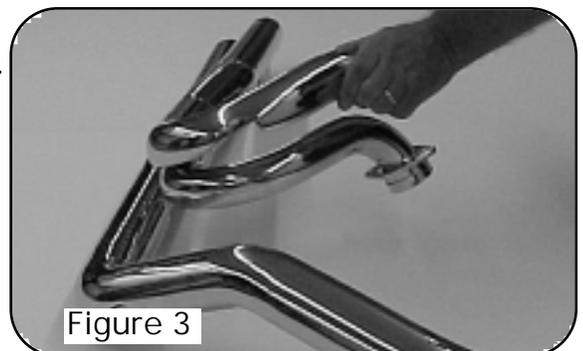


Figure 3

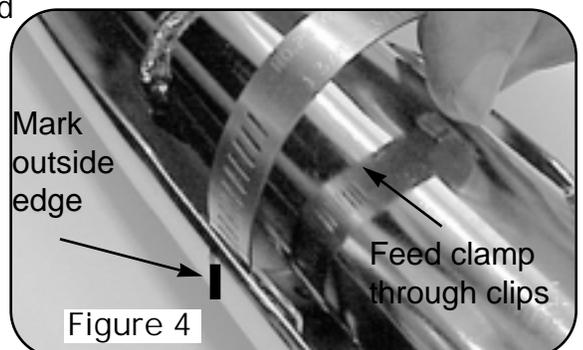
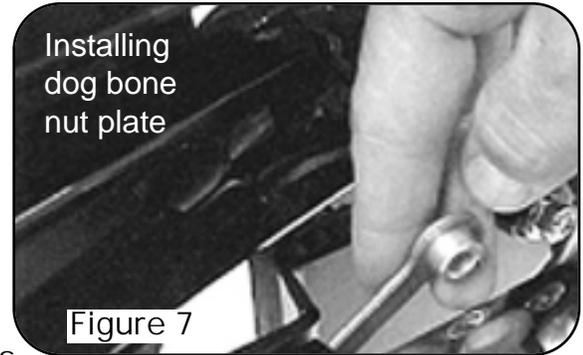
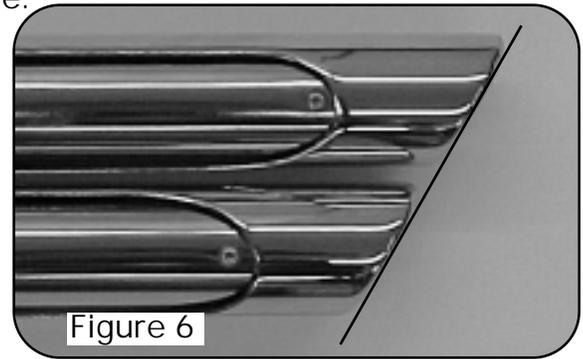
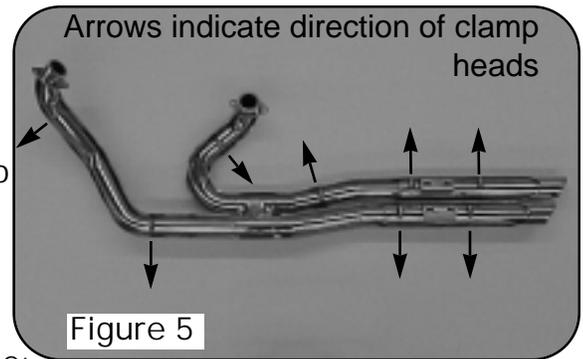


Figure 4

clips welded to the inside using a felt tip marker (Figure 4).

6. Install each heat shield over its respective head pipe (Figure 3).
7. Install each hose clamp by feeding tail end of clamp into heat shield clip (Figure 4). Take note of clamp screw head direction (Figure 5). Screw head should be accessible when system is installed on motorcycle for adjustment purposes. Use #20 hose clamps for head pipe areas and #28 hose clamps for muffler areas. Note: Prior to tightening hose clamps, align heat shields so that slash ends are even (Figure 6).
8. Tighten all hose clamps securing heat shields.
9. Carefully install system into exhaust ports (front port first) using stock flange nuts and bolts. Assistance is recommended. Slide dog bone shaped nut plate (supplied) inside each bracket welded to backside of mufflers (Figure 7). Attach mufflers to mounting bracket 336 using 5/16" flange bolts (supplied) engaging dog bone nut plate.
10. Tighten exhaust port flange nuts and bolts securing head pipes to cylinder heads.
11. Tighten 5/16" flange bolts securing mufflers to mounting bracket.
12. Install and tighten both rider and passenger footpegs.
13. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
14. Remove protective tape from crank case area, as well as oil and finger prints from chrome using a soft cotton cloth and chrome polish before starting engine.
15. All hardware must be properly secured before operating motorcycle.
16. Rear brake must be functioning correctly before operating motorcycle.



FUEL-INJECTION INSTRUCTIONS

For fuel injected models, Vance & Hines recommends the use of an adjustable fuel management system to ensure maximum exhaust system performance.

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