



# ROAD STAR WARRIOR PRO PIPE HS EXHAUST SYSTEM Part #25505

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 at (562) 926-5291.

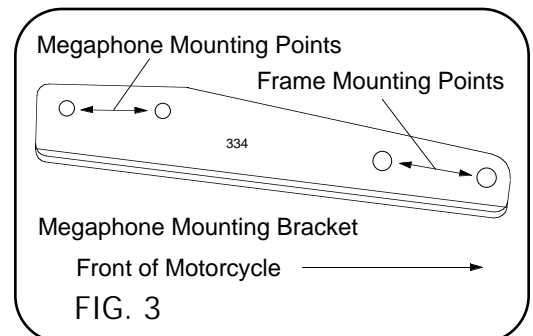
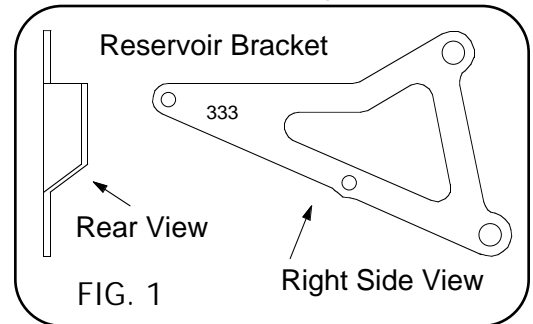
Attention Installer: (if other than owner): Please forward this instruction sheet to the purchaser of this product. These instructions contain valuable information necessary to the end user.

## STOCK EXHAUST SYSTEM REMOVAL

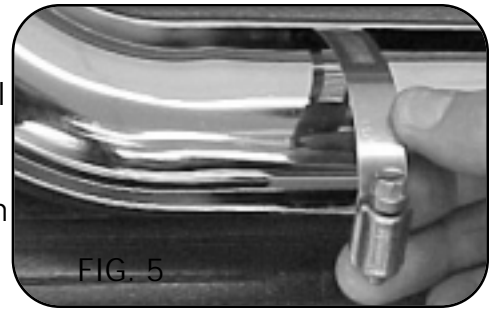
1. Remove right side rider and passenger footpeg assemblies. (Save footpegs and bolts for future reassembly. Do not disconnect brake master cylinder plunger rod.)
2. Remove front cylinder exhaust port flange nuts. (Save)
3. Remove rear cylinder exhaust flange bolts. (Save)
4. Remove two bolts connecting muffler mounting bracket to lower frame rail.
5. Remove bolt connecting muffler to upper muffler bracket. Carefully remove complete system from motorcycle. (Assistance may be required.) 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 M6 x 35 button head screws.)
7. Remove stock upper muffler bracket. (Save M10 x 25 button head bolts for future 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 button head allen bolts and supplied M10 lock nuts. (Refer to Figure 1)
3. Attach rear brake master cylinder reservoir to bracket (stamped 333) using saved M6 x 35 button head screws and supplied M6 lock nuts. (Refer to Figure 2)
4. Install and tighten megaphone mounting bracket (stamped 334) to frame using supplied M10 x 25 button head bolts. (Refer to Figure 3 & 4) If required, M10 flat washers are provided to space bracket away from frame casting ridge.
5. Unscrew all hose clamps (supplied) until they are completely loose. Mark top edge of front, rear, and collector heat shields with the location of mounting clips that are welded to



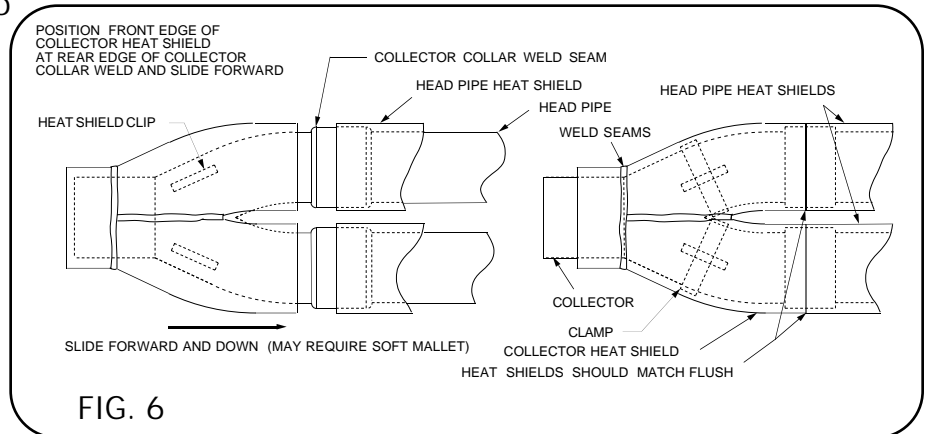
backside. Place header on non-abrasive surface such as a blanket or carpet. (Reduces risk of scratching chrome on heat shields.) Position front heat shield over head pipe and feed tail end of hose clamps into clips. (Refer to Figure 5) Repeat this step with rear heat shield.



6. Install collector heat shield using a forward sliding motion from rear of the collector. (Refer to Figure 6) Note: The screw end of the hose clamp should be accessible, but not visible when pipe is mounted on the bike. Do

not force collector heat shield directly onto header from the side. Damage to heat shield will result. Note: Collector heat shield uses smaller 3/8" wide clamps.

7. Install the header using stock exhaust port flange nuts and bolts, do not tighten at this time.



8. Install megaphone clamp (supplied) over inner slip joint tube at front of megaphone.
9. Slip megaphone onto head pipe collector, engaging collector heat shield between megaphone clamp and outer slip joint tube. Slide one dog bone shaped nut plate under bracket that is welded to the backside of the megaphone and attach to mounting bracket using two 5/16" flange head bolts (supplied).
10. Tighten mounting hardware in the following order: 1. Exhaust port flanges 2. Megaphone clamp 3. Flange bolts at megaphone to mounting bracket attachment.
11. Install and tighten both rider and passenger footpeg assemblies.
12. Align all three heat shields so ends meet flush. (Refer to Figure 6) Tighten heat shield clamps.
13. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
14. Remove 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.

For information about other Vance and Hines products visit our web site at [vanceandhines.com](http://vanceandhines.com)

## WARNING!

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