



## YAMAHA ROAD STAR LONGSHOT EXHAUST SYSTEM Part #18507

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.

### REMOVING THE STOCK EXHAUST SYSTEM

1. Remove the header flange nuts from the rear cylinder.
2. Loosen the muffler clamp on the front head pipe.
3. Remove the two muffler mounting bracket bolts, located between the two mufflers.
4. Carefully separate the front head pipe from the muffler assembly. Remove the muffler assembly with the rear head pipe attached and set it aside.
5. Remove the header flange nuts from the front cylinder. Remove the front head pipe and set it aside.
6. Remove the muffler mounting bracket from the frame. Note: The rear brake hose must be disconnected from the rear brake caliper in order to remove the muffler mounting bracket.

### INSTALLING YOUR NEW VANCE & HINES EXHAUST SYSTEM

1. Reconnect the brake hose to the rear caliper. Important: *Bleed the rear brake to remove any air from the system and refill the reservoir with the proper brake fluid.*
2. Install the new mounting bracket (stamped 274) to the frame, by aligning the two 10mm holes in the bracket with the two holes in the frame below the right rear footrest (where the stock mounting bar was removed). Use the two 10mm bolts and lock nuts (supplied), do not tighten at this time. Note: The bracket will bend away from the motorcycle when mounted correctly. Refer to figure 1.
3. Connect the brake hose clip to the muffler mounting bracket, using the 6mm bolt and lock nut (supplied). Refer to figure 1.
4. Install the chrome flanges (supplied) on to both the new head pipes.
5. Check the stock exhaust gaskets to be sure they are in good shape. If you have any doubts as to their condition, replace them.
6. Install the front head pipe using the stock nuts, do not tighten at this time.
7. Install the rear head pipe using the stock nuts, do not tighten at this time.
8. Install one muffler clamp (supplied) over the front (notched end) of each muffler.
9. Slip one muffler onto the front head pipe. Slide one dog bone shaped nut plate under the bracket that is welded to the backside of the muffler and attach the muffler to the mounting bracket using two of the 5/16" flange head bolts (supplied), but leave them loose at this time.
10. Repeat step #8 for the rear muffler.
11. Align the mufflers so they are parallel when viewing from the right side of the bike, and tighten the 5/16" flange bolts on the back side of both mufflers.
12. Tighten the two 10mm bolts that mount the bracket to the frame.
13. Unscrew all of the hose clamps (supplied) until they are completely loose. Feed the tail end of the hose clamp into the clips on the inside of both heat shields. Note: The screw end of the hose clamp should be accessible, but not visible when pipe is mounted on the bike.
14. Place the appropriate heat shield onto the rear pipe, wrap the hose clamps around the head pipe and tighten. Repeat this step with the front heat shield.

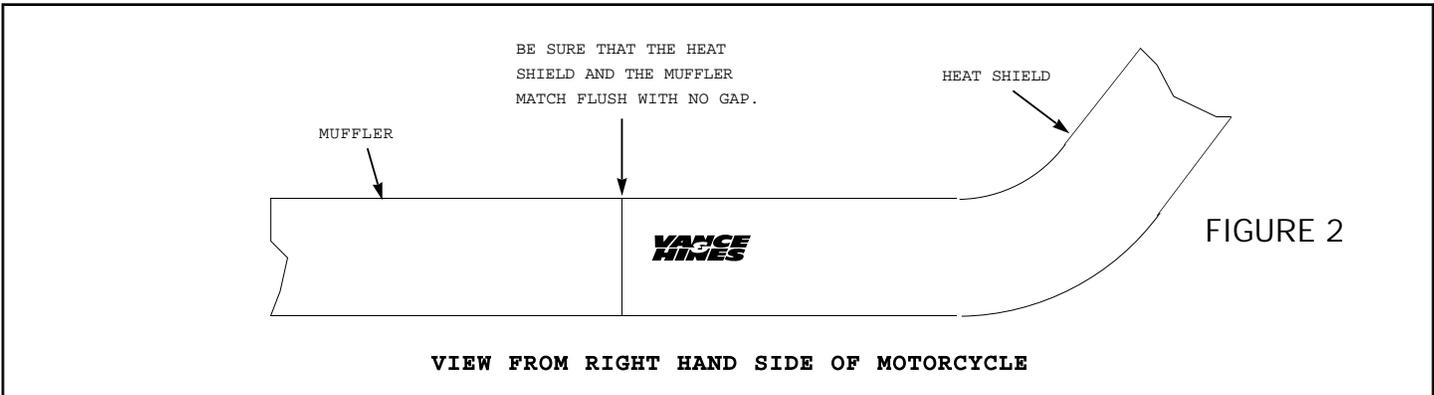
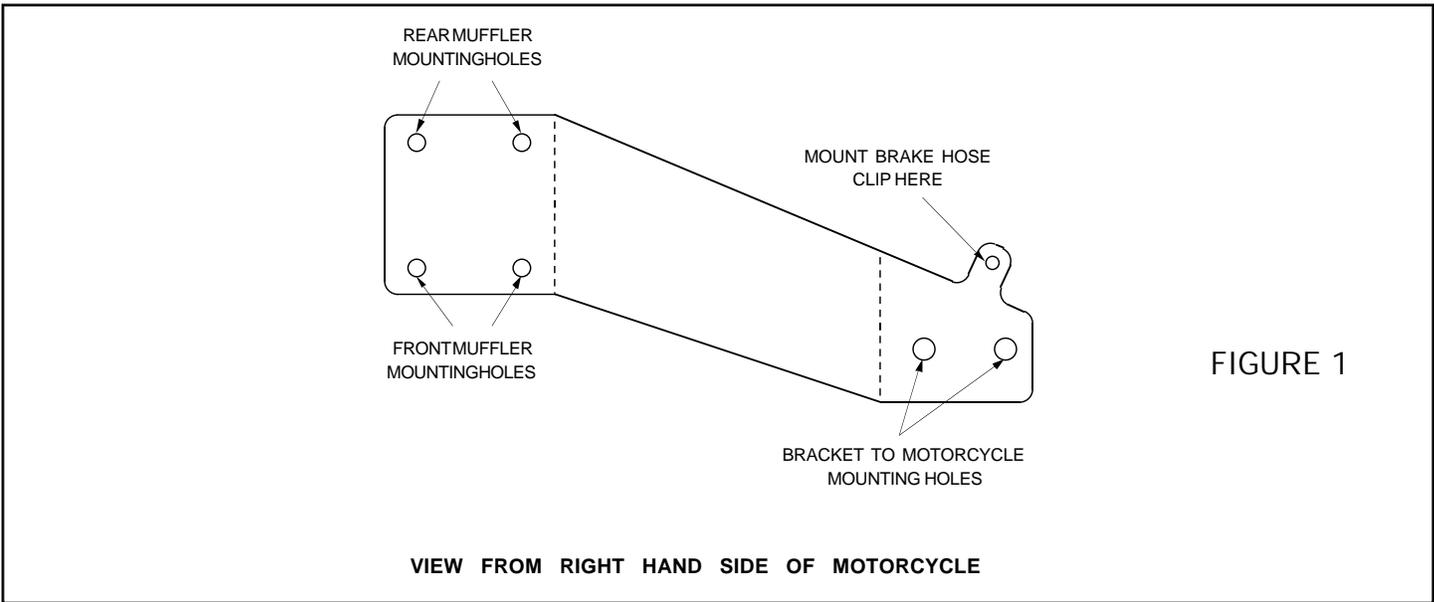
15. Adjust the mufflers and/or heat shields so they match flush where the two parts meet each other. Refer to figure 2.
16. Tighten the two nuts on both the front and rear head pipes.
17. Tighten the two muffler clamps.
18. Wipe any finger prints or oil off the exhaust system.
19. Be sure to tighten all hardware before starting your motorcycle.
20. Be sure the rear brake is functioning properly before riding.

**RE-JETTING INSTRUCTIONS**

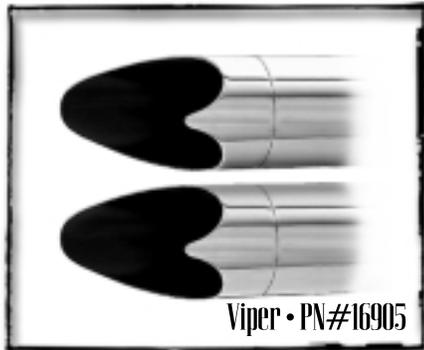
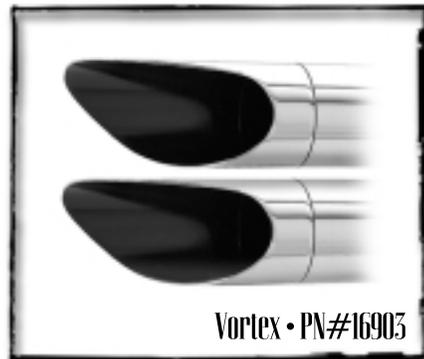
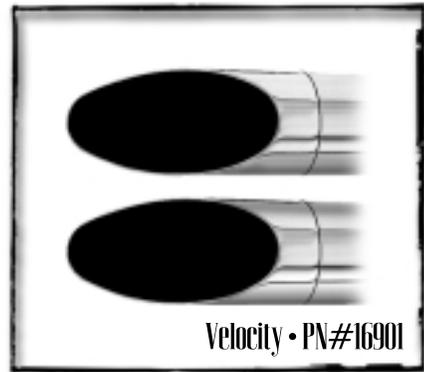
Re-jetting the carburetors will result in realizing the "full" potential of this performance exhaust system. Vance & Hines offers jet kits for most applications. Base line jetting information is available through our tech-line (562-926-5291) for most models.

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.**



# Customize Your Longshots!



## Optional Hot-Tips



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