

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

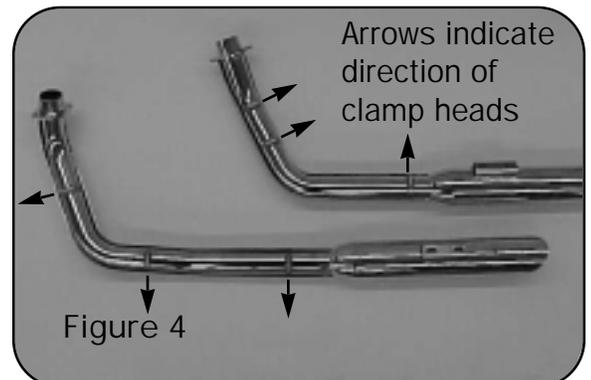
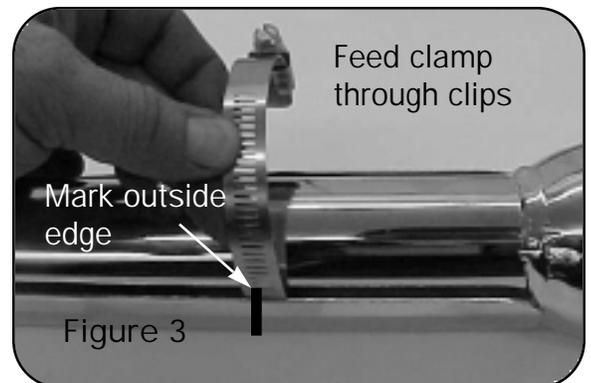
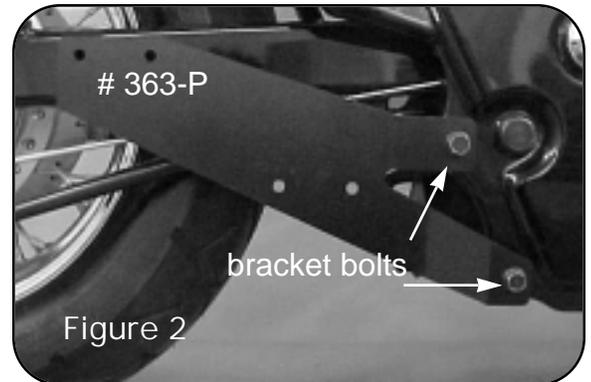
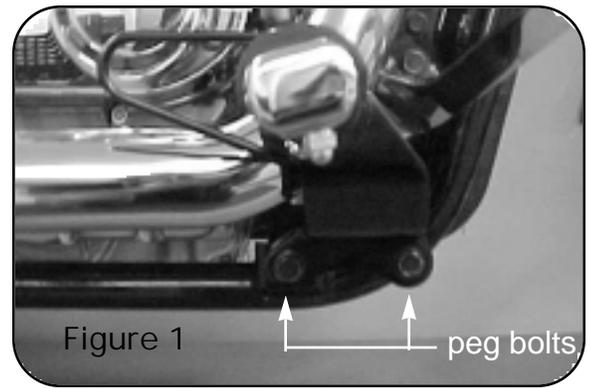
1. Remove frame cover.
2. Remove right side footpeg assembly held in place by two bolts (Figure 1).
3. Remove exhaust port nuts.
4. Remove bolts securing rear muffler to exhaust system mounting bracket.
5. Remove complete exhaust system. Begin by lifting muffler out of mounting bracket locating hole (assistance may be required).
6. Check condition of stock exhaust gaskets. Replace if damaged or worn.
7. Remove two bolts attaching stock exhaust mounting bracket to frame.

Tools required for installation:

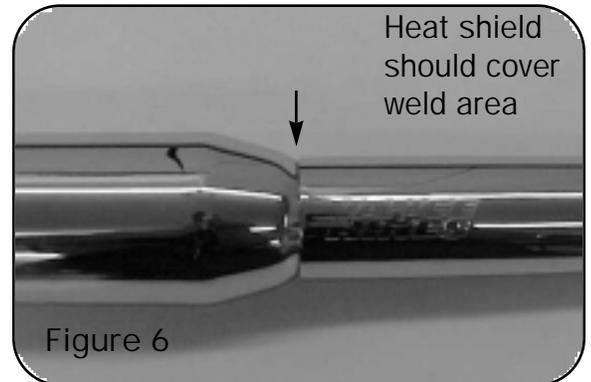
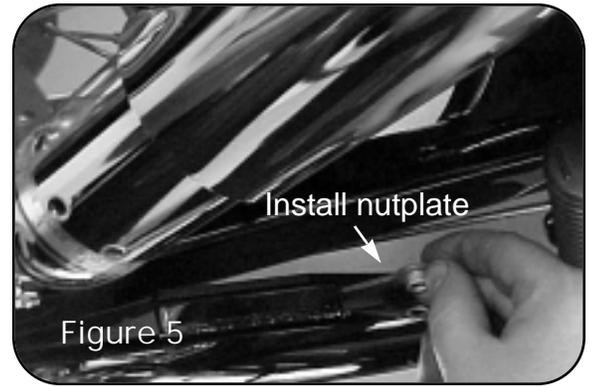
1/2", 14mm & 17mm wrench
5/16", 1/2", 12mm, 14mm
Socket & Extensions
5/16" Nutdriver or
Flatblade Screwdriver

VANCE & HINES EXHAUST SYSTEM INSTALLATION

1. Install mounting bracket (stamped 363-P) in the original muffler mounting position, using two 10mm bolts and 10mm nuts. (supplied)(Refer to figure 2).
2. Mark outside surface of front and rear heat shields with location of mounting clips that are welded to the inside.(Refer to figure 3).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 4).
3. 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 threading tail end into clamp head. (Refer to figure 3 & 4).
4. Install front head pipe/muffler using stock flange nuts. Slide dog bone shaped nutplate (supplied) inside bracket welded to backside of muffler. Attach muffler to mounting bracket 363-P using (supplied) 5/16" flange bolts engaging dog bone nutplate. Leave head pipe/muffler assembly loose at this time (Refer to figure 4). Repeat this step with the rear head pipe.
5. 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.
6. Tighten cylinder exhaust port flange nuts securing head pipes to cylinder heads.
7. Adjust heat shields so they meet front of muffler taper. (Refer to figure 6). Tighten all hose clamps securing heat shield locations. NOTE: Heat shields should cover muffler/head pipe weld joint.
8. Reinstall right side footpeg.



9. Reinstall side covers.
10. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
11. After installation and before starting motorcycle, completely clean pipes and mufflers with cleaning solvent and a clean, soft cloth that will not leave a residue. NOTE: Any residue, oil, or fingerprints will stain the chrome when the metal heats up.
12. Be sure to tighten all hardware before starting motorcycle.

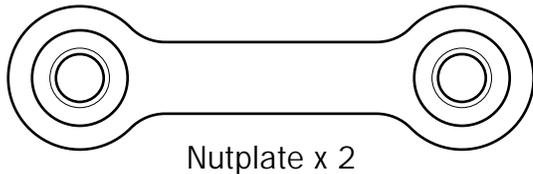


RE-JETTING INSTRUCTIONS

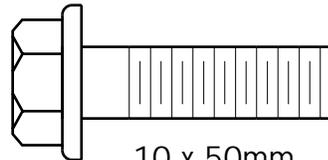
Re-jetting the carburetors will result in realizing the "full" potential of this performance exhaust system. Vance & Hines offers jet kits for most applications. For fuel injected models, we recommend the use of an adjustable fuel management system.

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.

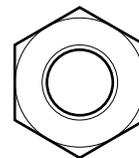
PACKING LIST (All parts actual size)



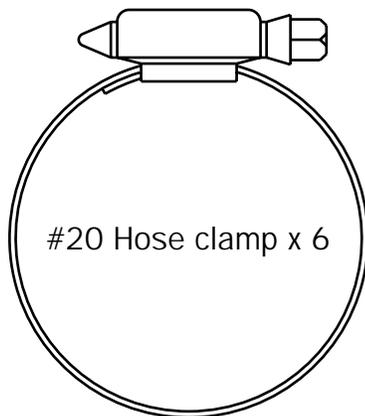
Nutplate x 2



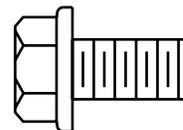
10 x 50mm
Flange bolt x 2



10mm lock
nut x 2



#20 Hose clamp x 6



5/16" Flange
bolt x 4

HELPFUL HINTS TO AVOID DISCOLORATION OF EXHAUST PIPES

1. Follow owner's manual instructions regarding use of the choke (starter enricher). If left on longer than recommended, discoloration may be accelerated.
2. Avoid long periods of idling.
3. Intake leaks can cause engine to run lean and overheat, thus turning the pipes blue.
4. Make sure there are no exhaust leaks at the junction of the exhaust pipe and cylinder head.
5. When installing a new set of chrome pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with a cleaning solvent that will leave no residue (glass cleaner, alcohol, ammonia, etc.) before starting the motorcycle.

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