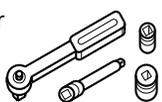




Congratulations, you have purchased the finest exhaust system for your motorcycle on the market. Your Vance & Hines exhaust system is designed and crafted for maximum performance, a perfect fit, a great sound and unbeatable style. Please follow the installation instructions below and if you have any questions, please call our technical support line at (562) 926-5291.

Attention installer (if other than owner), please forward this instruction sheet to the owner of this product. These instructions contain valuable information to the end user.

**TOOLS
 REQUIRED**

-  Flatblade screwdriver
or
-  5/16" Nutdriver
-  10, 12, 14, 17mm
& 1/2" Wrenches
-  3/8" Ratchet &
extensions
-  10, 12, 14mm
Sockets

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

**STOCK EXHAUST
 SYSTEM REMOVAL**

1. Remove right side frame cover.
2. Remove foot peg flange head bolts. Carefully lower right foot peg assembly with rear brake attached. Note: Use caution when handling brake line.
3. Remove exhaust port flange nuts.
4. Remove flange bolts securing front muffler mount to exhaust system mounting bar.
5. Remove complete exhaust system. Start by removing front head pipe from exhaust port (assistance may be required).
6. Remove rectifier from mounting bar.
7. Remove stock exhaust system mounting bar.

FIGURE 1

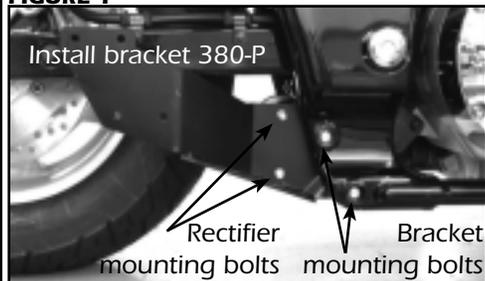


FIGURE 2

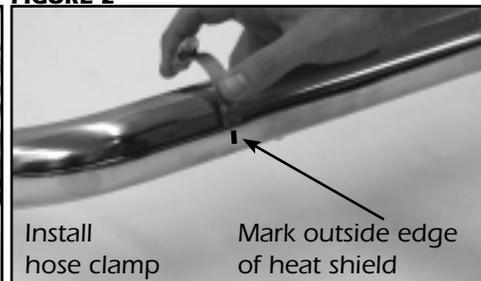


FIGURE 3



FIGURE 4

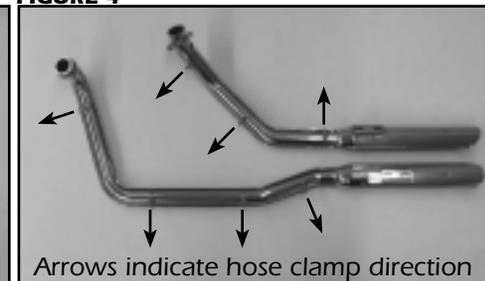


FIGURE 5

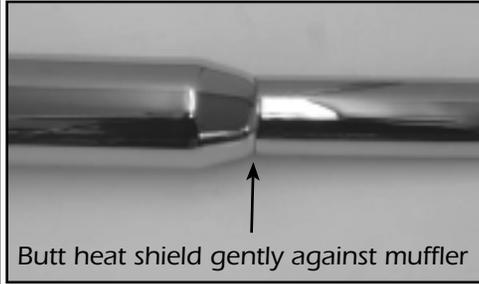
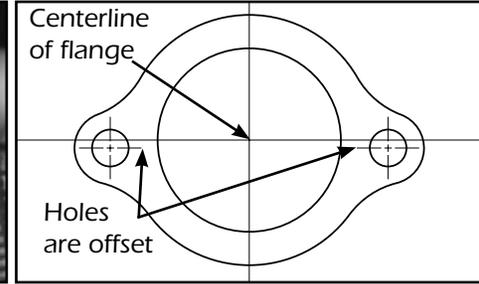


FIGURE 6



FIGURE 7



VANCE & HINES EXHAUST SYSTEM INSTALLATION

1. Check condition of stock exhaust gaskets. Replace if damaged or worn.
2. Install and tighten supplied mounting bracket (stamped 380-P) in the original mounting bar location, using two M10x40 flange bolts, nuts, and washers (supplied)(Figure 1).
3. Install and tighten rectifier using M6x30 flange bolt, nut, and washer combinations (supplied)(Figure 1).
4. Place heat shields on a non-abrasive surface such as a blanket or carpet. Using a felt tip marker, mark the outside surface of front and rear heat shields with the location of the mounting clips welded inside (Figure 2).
5. Lay heat shields onto their respective head pipes (Figure 3).
6. Install each hose clamp by feeding tail end of clamp into heat shield clip (Figure 2). Take note of clamp screw head direction (Figure 4). Screw head should be accessible when system is installed on motorcycle for adjustment purposes. Note: Heat shields should butt gently against muffler bodies. (Figure 5)
7. Tighten all hose clamps securing heat shields.
8. Using stock flange nuts, carefully install system into exhaust ports starting with the rear pipe first. (Assistance may be required). Note: Do not tighten yet. Note: Exhaust port flanges are offset. If holes in flange do not align with exhaust studs, rotate flanges 180 degrees (Figure 7).
9. Slide dogbone shaped nutplate (supplied) inside each bracket welded to backside of mufflers (Figure 6).
10. Attach mufflers to mounting bracket 380-P using 5/16" flange bolts (supplied) engaging dogbone nutplate. Note: Do not tighten yet.
11. Repeat steps 8-10 for front cylinder.
12. Tighten exhaust port flange nuts securing head pipes to cylinder heads.
13. Tighten 5/16" flange bolts securing mufflers to mounting bracket.
14. Reinstall and tighten right-hand foot peg assembly and right side cover.
15. Remove oil and finger prints from chrome using a soft cloth and non abrasive cleaner before starting engine.
16. Important: All hardware must be properly tightened before starting motorcycle.

EXHAUST CARE - HELPFUL HINTS TO AVOID DISCOLORATION OF EXHAUST SYSTEM

1. 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 soft cloth and cleaning solvent that will leave no residue (chrome wax / polish, glass cleaner, alcohol, ammonia, etc...) before starting the motorcycle.
2. Follow owners manual instructions regarding use of the choke (starter enricher). If left on longer than recommended, discoloration may be accelerated.
3. Avoid long periods of idling as this can cause discoloration.
4. Intake leaks can cause the engine to run lean and overheat, this could lead to discoloration.
5. Make sure there are no exhaust leaks at the junction of the exhaust pipes and cylinder head. We recommend replacing gaskets if they are worn.

VANCE & HINES OPTIONAL ACCESSORIES

No optional accessories are available at this time.

RE-JETTING FOR CARBURETED MODELS:

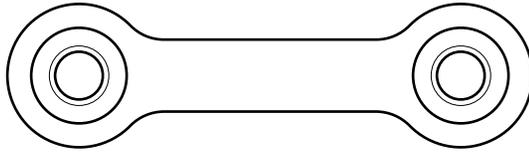
Re-jetting the carburetors will result in realizing the "full" potential of this performance exhaust system. Vance & Hines offers Jet Kits for most applications, call (562) 921-7461 for more information.

PLEASE NOTE:

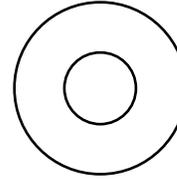
Every effort is made for Vance & Hines Exhaust Systems to provide improved cornering clearance. However, due to design and space limitations on some motorcycle models, ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation instructions.

PACKING LIST

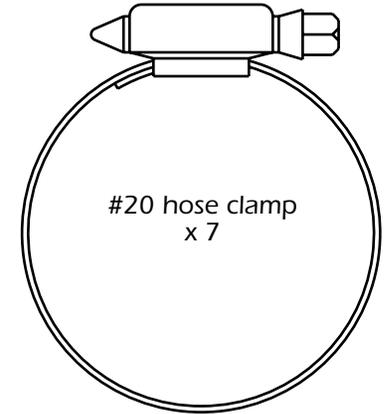
ALL PARTS SHOWN ARE ACTUAL SIZE



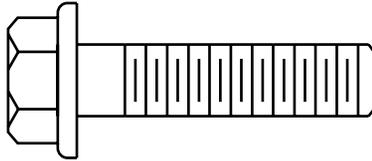
Nutplate
x 2



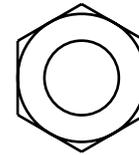
10mm Washer
x 2



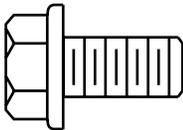
#20 hose clamp
x 7



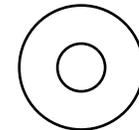
10mm x 40mm Flange bolt
x 2



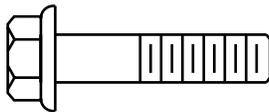
10mm Locknut
x 2



5/16" x 5/8" Flange bolt
x 4



6mm Washer
x 2



6mm x 30mm Flange bolt
x 2



6mm Locknut
x 2

PARTS NOT SHOWN:

- Mounting bracket #380-P
- Front head pipe H280FC
- Rear head pipe H281FC
- Front heat shield H280HC
- Rear heat shield H281HC

WARRANTY

Vance & Hines exhaust systems are warranted against defects in material and workmanship for a period of 90 days from the date of purchase from an authorized dealer. This warranty does not cover discoloration of chrome finishes. This warranty is limited to the repair or replacement of a product proven to be defective from normal use. Vance & Hines exhaust systems are designed to fit and operate on OEM motor and chassis. This warranty does not cover any product subject to abuse, misuse, improper installation or modification.



Big Radius

SM	24024
MD	24025
LG	24026
XL	24027
XXL	24028

Sideshots Vertical

SM	24029
MD	24030
LG	24031
XL	24032
XXL	24033

V-Rod

SM	24034
MD	24035
LG	24036
XL	24037
XXL	24038

Sideshots Cubed

SM	24039
MD	24040
LG	24041
XL	24042
XXL	24043

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