



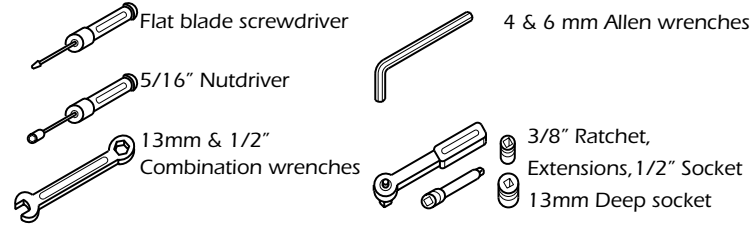
MORE POWER : LESS NOISE



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**



READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

**STOCK EXHAUST
SYSTEM REMOVAL**

1. Loosen nose slip clamp at front of muffler section using 13mm socket.
2. Remove pin located on mounting bracket from stock exhaust system using 13mm wrench and 4mm Allen wrench.
3. Remove two 6mm Allen bolts connecting lower muffler to mounting bracket.
4. Remove the entire muffler section from the headers as a single unit.
Note: Do not remove stock mount bracket, rubber mount rail or head pipes from motorcycle, since they will be re-used.
5. Loosen the exhaust port flange bolts at both cylinders without removing. This will aid in the assembly and alignment of the new system.
6. Remove the OEM nose slip clamp from the front of the OEM muffler section. Save for re-use.

FIGURE 1

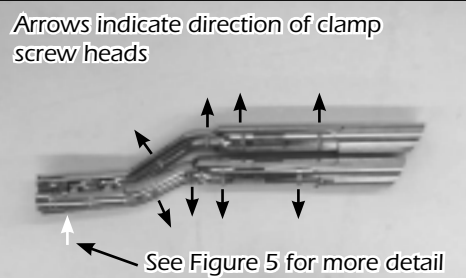
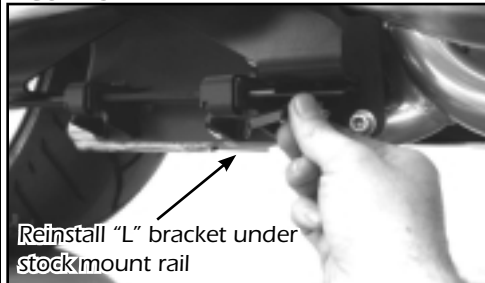


FIGURE 2



FIGURE 3



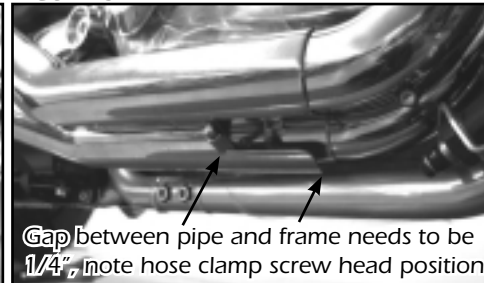
Reinstall "L" bracket under stock mount rail

FIGURE 4



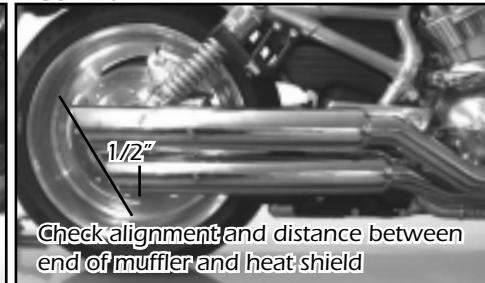
Reinstall stock pin into grommet

FIGURE 5



Gap between pipe and frame needs to be 1/4", note hose clamp screw head position

FIGURE 6



Check alignment and distance between end of muffler and heat shield

VANCE & HINES EXHAUST SYSTEM INSTALLATION

1. Remove exhaust system and heat shields from protective packaging. Place exhaust on a non-abrasive surface such as a blanket or carpet. Using a non-permanent marker or tape, mark outside edge of each heat shield to show location of mounting clips that hose clamps will loop through.
2. Install OEM nose slip clamp to front of Vance & Hines muffler section.
3. Loosely install tailpipe heat shields (part # 64912-02 and 64913-02) to headers using four #20 hose clamps and one #56 hose clamp. Note position and direction of clamp heads (Figure 1 & 5). NOTE: Head position for #56 hose clamp attaching both heat shields is clearly visible in Figure 5.
4. Install bracket (64904-02) to muffler section using two nut plates and four 5/16" x 5/8" flanged bolts (supplied) Do not tighten at this time (Figure 2).
5. Slide muffler section onto headers and attach bracket (64904-02) to OEM bracket. Note: Be sure that the nose slips fully engage the OEM headers, some penetrating lubricant may be necessary.
6. Attach new bracket to existing rail using two 5/16" x 7/8" flange bolts, lock nuts and washers. (supplied). If equipped, reinstall the stock "L" bracket under the rail on the front bolt (Figure 3).
7. Install stock pin to bracket (64904-02) so that it engages the rubber grommet and OEM bracket (Figure 4).
8. Tighten OEM clamp and exhaust port flanges while checking that the nose slip area is not too close to the bottom frame tube. The gap should be 1/4" or more (Figure 5).
9. Tighten four 5/16" x 5/8" flange bolts securing bracket (64904-02) to mufflers.
10. Carefully position heat shields and tighten all five hose clamps starting at the rear and working towards the front of the system.
11. Slide muffler heat shields (D288HC & D289HC) on from the rear and loosely install four #44 hose clamps. Note position and direction of clamp heads (Figure 1). NOTE: The muffler heat shield with the logo stamp goes on top.
12. Check alignment of exhaust tips to ensure slash cuts are aligned with each other and the muffler heat shields extend 1/2" beyond the end of the muffler bodies (Figure 6).
13. Tighten all four hose clamps on muffler heat shields.
14. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
15. 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.
16. 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. Avoid long periods of idling as this can cause discoloration.
3. Intake leaks can cause the engine to run lean and overheat, this could lead to discoloration.
4. 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

FUELPAK



FUEL MANAGEMENT:

Take the guess work out of fuel injection with the new Fuelpak Fuel Management System, P/N 61005. Contact your local dealer or call (562) 921-7461 to order. Visit vanceandhines.com for more information.

Fuelpak is intended for racing or off-highway use only, and is not legal for sale or use in California on pollution-controlled vehicles.

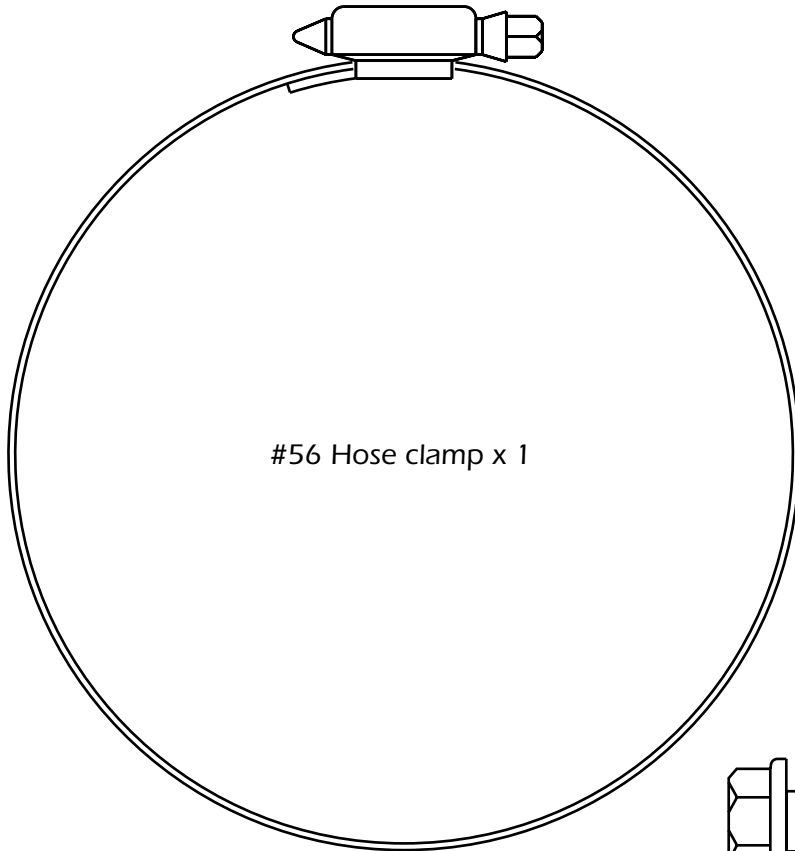
PLEASE NOTE: Every effort is made for Vance & Hines Exhaust Systems to provide improved cornering clearance. However, due to design and space limitations on some motorcycle models, ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation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



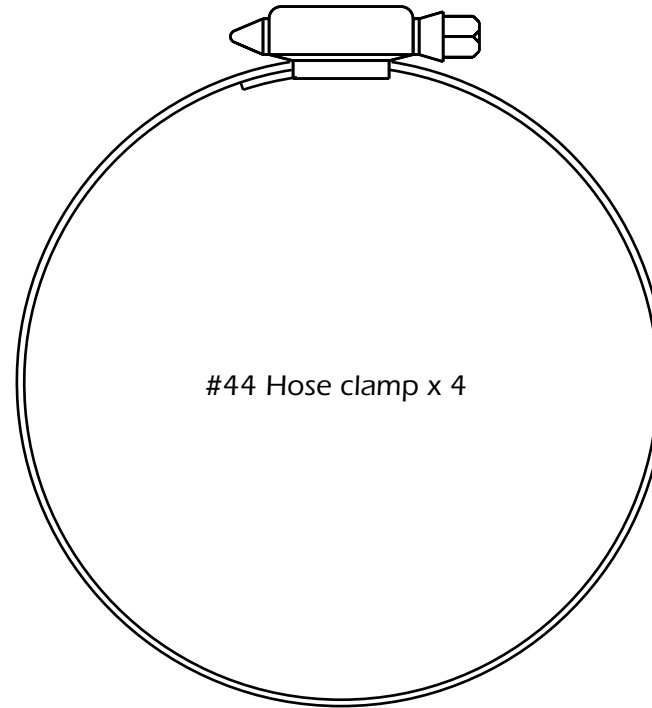
PACKING LIST

MORE POWER : LESS NOISE

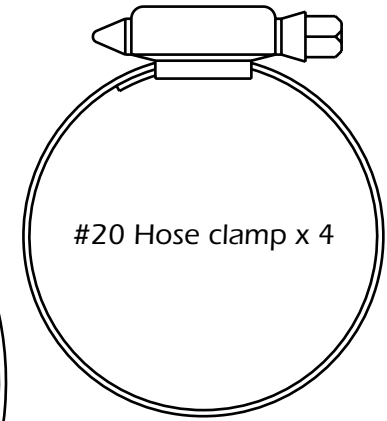
ALL PARTS SHOWN ARE ACTUAL SIZE



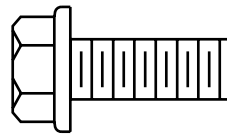
#56 Hose clamp x 1



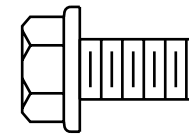
#44 Hose clamp x 4



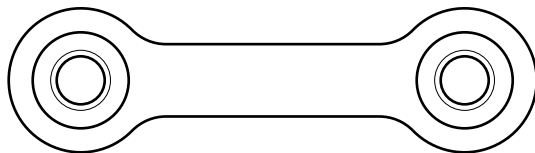
#20 Hose clamp x 4



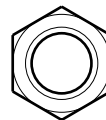
5/16" x 7/8" Flange bolt x 2



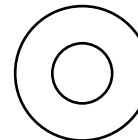
5/16" x 5/8" Flange bolt x 4



Nut plate x 2



5/16" Lock nut x 2



5/16" Flat washer x 2

PARTS NOT SHOWN:

- 64904-02 Bracket x 1
- 80429-02 Muffler section x 1
- 64912-02 Front head pipe heat shield x 1
- 64913-02 Rear head pipe heat shield x 1
- D288HC Front muffler heat shield x 1
- D289HC Rear muffler heat shield x 1

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.

FUEL MANAGEMENT

GET THE MOST OUT OF YOUR RIDING EXPERIENCE...

AN AFTERMARKET EXHAUST SYSTEM IS ONLY YOUR FIRST STEP, NOW YOU NEED FUEL MANAGEMENT.

NOW YOU NEED FUELPAK.

Your fuel injected Harley-Davidson® is equipped with an ECU (electronic control unit) that's programmed to deliver fuel to the motor based on an air/fuel ratio for a stock air filter and stock exhaust system. When you install a performance exhaust system, your airflow changes, so you need a fuel management system that adjusts your air/fuel ratio to match the changes. That fuel management system is Fuelpak. Fuelpak adds and takes away fuel, allowing for a more precise range of refinement in your air/fuel ratio. Get the perfect fuel management combination with your Vance & Hines exhaust system, get Fuelpak. For more information visit the tuning center at vanceandhines.com/fuelpak.

NOTICE: Fuelpak is intended for racing or off-highway use only, and is not legal for sale or use in California on pollution-controlled vehicles.



MORE POWER : LESS NOISE

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