



**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**

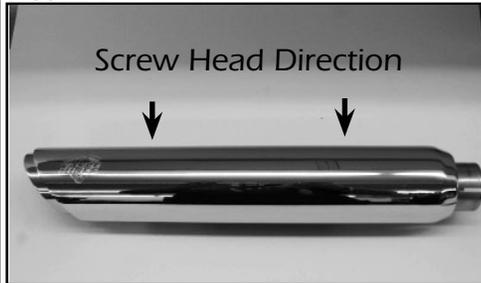
- |   |                                      |   |   |
|---|--------------------------------------|---|---|
|  | Flat Blade<br>Screwdriver            |  | 3/8" drive<br>ratchet                   |
|  | 5/16" Nutdriver                      |  | 9" Extension                            |
|  | 7/16", 1/2"<br>Combination<br>Wrench |  | 3/8", 7/16",<br>1/2" & 9/16"<br>Sockets |

**READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION**

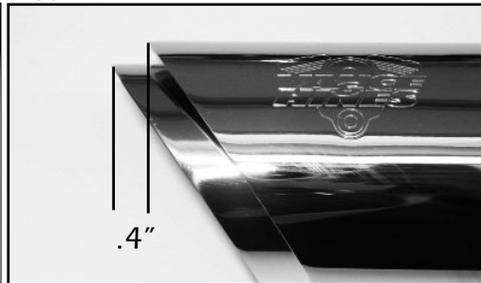
**STOCK EXHAUST  
SYSTEM REMOVAL**

1. Loosen heat shield clamps on both the front and rear exhaust pipes to allow for easier access to the exhaust flange nuts.
2. Loosen the clamps holding the mufflers onto the head pipes, and the 1/4"-20 stock bolts holding them to the crossover bar.
3. Loosen, but do not remove, the exhaust flange nuts (2 for each cylinder) from each flange located at the cylinder head.
4. Remove the stock mufflers and exhaust clamps from the nose of each muffler (these will be re-used when installing the new mufflers).

**FIGURE 1**



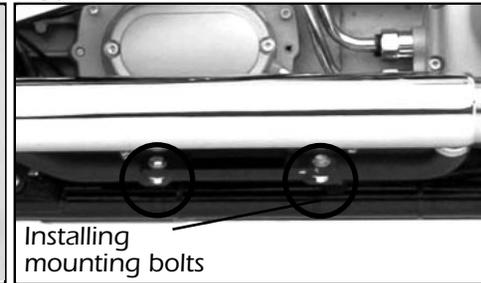
**FIGURE 2**



**FIGURE 3**



**FIGURE 4**



**VANCE & HINES EXHAUST SYSTEM INSTALLATION**

1. Remove the muffler assemblies and heat shields from their protective packaging. Place each heat shield on a non-abrasive surface such as a towel, blanket or carpet.
2. Carefully lay the muffler assembly into the heat shield and loosely install the hose clamps (supplied) by feeding the tail end of the clamp into the heat shield clips . Note the direction of the clamp screw heads, they must be accessible for adjustment when system is installed (Figure 1).
3. Adjust the heat shield so that the muffler body protrudes beyond the heat shield by .4 inches, and the muffler body and heat shield edges are parallel. (Figure 2). Tighten band clamps.
4. Slide a nutplate inside the bracket that is welded to each of the muffler bodies. Using the supplied 5/16" x 5/8" flange head bolts, attach the mounting brackets (stamped 458-P) to the muffler bodies. Leave them loose at this time (Figure 3).
5. Slip a stock clamp over the nose of a muffler assembly. Slide the assembly onto the lower (Front) head pipe until the muffler body sits against the raised header edge. The clamp must be oriented with the nut accessible from below. Tighten the clamp enough to hold the muffler in place and allow for adjustment later.
6. Repeat step 4 with the upper muffler assembly. The clamp must be oriented with the nut being accessible from the top.
7. Using 1/4" x 3/4" hex head bolts, washers and nuts (Supplied), attach the muffler brackets to the stock mounting pad. NOTE: Leave them loose at this time (Figure 4).
8. Align the mufflers, viewing from the rear of the motorcycle, the mufflers should appear aligned with each other vertically and from the side they should appear parallel with each other and the stock heat shields.
9. Holding the correct alignment, tighten the muffler clamps and support bar locking nuts. NOTE: May require assistance at this time to visually check alignment while you tighten the hardware.
10. Be sure to verify that all hardware has been tightened before starting your 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 Fuelpak Fuel Management, P/N 61001. Contact your local dealer or call (562) 921-0071 to order. Visit fuelpakfi.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.

**QUIET Baffle**

21899	Quiet Baffle
21897	Competition Baffle
21874	Replacement Baffle

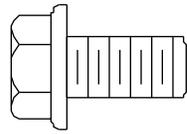
PLEASE NOTE: Every effort is made for Vance & Hines Exhaust Systems to provide improved cornering clearance. However, due to design and space limitations on some motorcycle models, ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation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



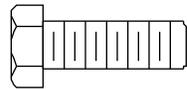
**PACKING LIST**

**MORE POWER : LESS NOISE**

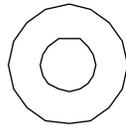
**ALL PARTS SHOWN ARE ACTUAL SIZE**



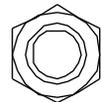
5/16" x 5/8" Flange Head Bolt x 4



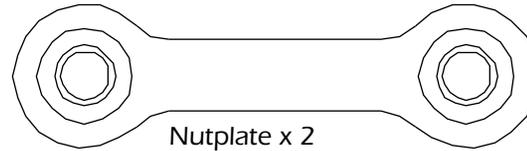
1/4" x 3/4" Hex Head Bolt x 4



1/4" Flat washer x 8



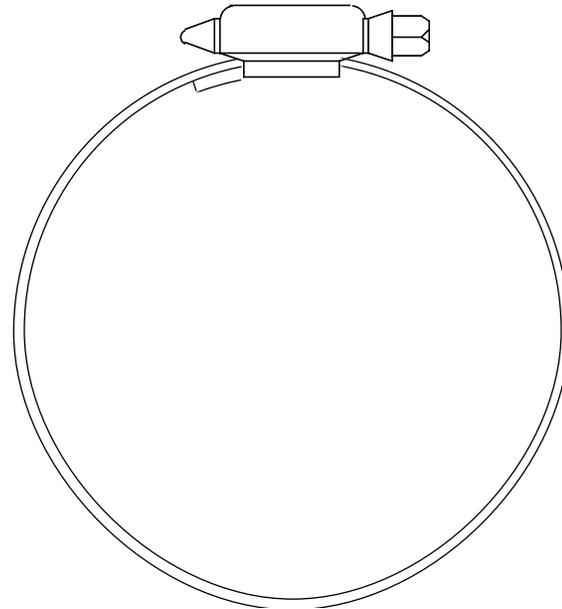
1/4" Lock Nut x 4



Nutplate x 2

(1.81-2.75")

#36 hose clamp



- PARTS NOT SHOWN:**
- 458-P Bracket x 2
  - D740RC Muffler Assembly x 2
  - D740HC Muffler Heat Shield x 1
  - D744HC 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 [fuelpakfi.com](http://fuelpakfi.com)

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.



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**VANCEANDHINES.COM**