

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**

-  5/16" Nutdriver
-  Flat Blade Screwdriver
-  12, 13, 14, & 1/2" Combination Wrenches
-  3/8" Extension & 1/2", 8mm, 10mm, 12mm, 13mm, 14mm sockets
-  3/8" Drive ratchet

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

**STOCK EXHAUST
SYSTEM REMOVAL**

1. Remove right hand saddle bag, if equipped.
2. Loosen the two hex bolts from the right side floorboard assembly to make space for exhaust system removal and installation.
3. Loosen heat shield clamps that hold top and bottom muffler bodies together.
4. Loosen clamps that hold mufflers and header together.
5. Remove bolt located on back of mufflers that holds both mufflers together.
6. Remove bolt and nut that attach top muffler to frame, located next to the right hand passenger foot peg.
7. Remove top muffler.
8. Remove the two bolts that attach bottom muffler body to bracket.
9. Remove bottom muffler.
10. Loosen all heat shield hose clamps and slide heat shields up/forward to release them from the hose clamps.
11. Remove heat shields.
12. Remove the four dome flange nuts holding the exhaust headers to the cylinder head.
13. Carefully remove exhaust headers.
14. Remove stock muffler body bracket by removing the two bolts that holds it to the motorcycle frame.
15. Check the stock exhaust gaskets to be sure they are in good condition. If you have any doubts as to their condition, replace them.

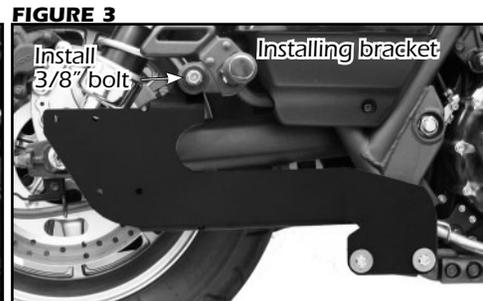
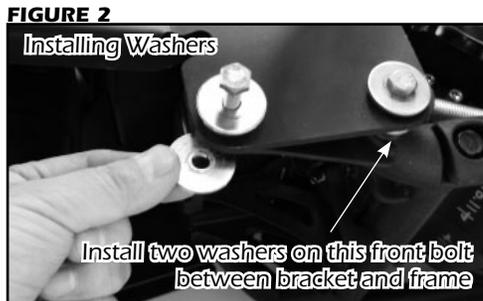


FIGURE 4

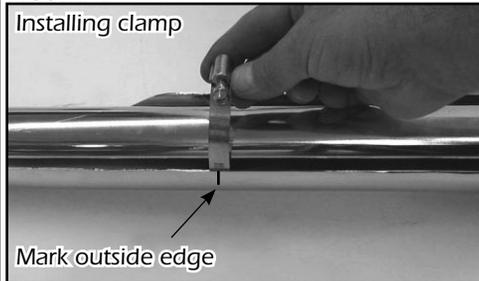


FIGURE 5

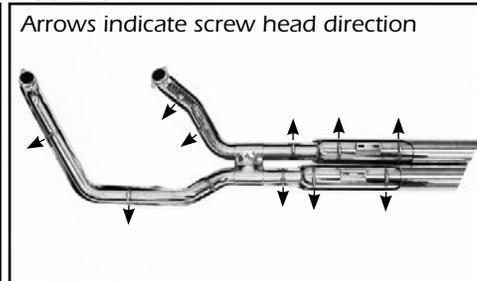


FIGURE 6



FIGURE 7



1. Install rubber grommets (supplied) into large holes in bracket 555-P (Figure 1).
2. Insert spacers (supplied) into grommets (Figure 1).
3. Install bracket 555-P on chassis by placing two washers on the 8mm x 35mm hex head bolts (supplied), and placing the bolts through the bracket.
4. Place one washer on the rear bolt and two washers on the front bolt between bracket and frame (Figures 2 & 3) and install bracket onto frame. NOTE: It is recommended to use medium strength locking agent on these bolts. NOTE: Do not tighten yet.
5. Finish installing bracket by using one 3/8"x2 1/4" flange bolt (supplied), one 3/8" nut (supplied), and one 3/8" flat washer (supplied) through the bracket and frame next to the rear foot peg (Figure 3).
6. 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 (Figure 4).
7. Carefully lay heat shields onto header assembly and loosely install the hose clamps #20 (supplied) on head pipe heat shields by feeding the tail end of the clamp into the heat shield clips (Figure 4). Take note of screw head direction (Figure 5), for adjustment purposes they must be accessible when system is installed. NOTE: Do not tighten the clamps at this time.
8. Using stock dome flange nuts, carefully install system into exhaust ports starting with the rear cylinder first. (Assistance may be required). Rotate flanges to proper position. Note: Do not tighten yet.
9. Slide nut plates (supplied) inside each bracket welded to backside of mufflers (Figure 6).
10. Attach mufflers to mounting bracket (555-P) using 5/16" flange bolts (supplied) engaging nut plates. Note: Do not tighten yet.
11. Remove the muffler heat shields from their protective packaging. Place them on a non-abrasive surface such as a blanket or carpet.
12. Following same procedure as step 7, place the #44 hose clamps (supplied) into the muffler heat shields and slide muffler heat shields onto the muffler bodies taking care not to scratch the head pipe heat shields. NOTE: The heat shield with the logo stamp should be on top.
13. Align the ends of the muffler heat shields so they match up when viewed from the top and right hand side of the motorcycle (Figure 7). NOTE: The muffler heat shields should extend beyond the muffler bodies by 1/2" when measured at the bottom edge.
14. Tighten the hose clamps on the muffler body heat shields while making sure they all remain level and aligned.
15. Tighten 5/16" flange bolts securing mufflers to mounting bracket, while making sure that gap between mufflers is even.
16. Tighten 8mm hex head bolts securing bracket 555-P to frame.
17. Tighten exhaust dome flange nuts securing head pipes to cylinder heads.
18. Align the front and rear head pipe heat shields and tighten the hose clamps, making sure that the desired alignment is not changed.
19. Tighten right side floorboard.
20. Reinstall right side saddlebag, if equipped.
21. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
22. 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.
23. **All hardware must be properly tightened before starting motorcycle**

EXHAUST CARE - HELPFUL HINTS TO AVOID DISCOLORATION OF EXHAUST SYSTEM

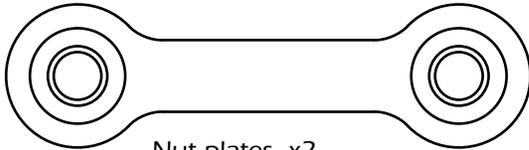
1. When installing a new set of chrome pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with a soft cloth and cleaning solvent that will leave no residue (chrome wax / polish, glass cleaner, alcohol, ammonia, etc...) before starting the motorcycle.
2. 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.

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

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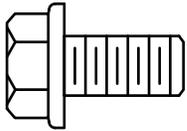
ALL PARTS SHOWN ARE ACTUAL SIZE



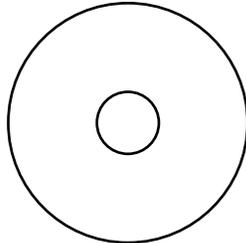
Nut plates x2



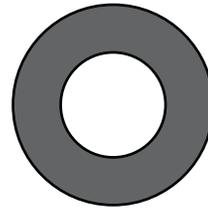
3/8' Nut x1



5/16" x 5/8"
Flange bolts x4



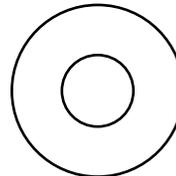
8.4mm Washer x5



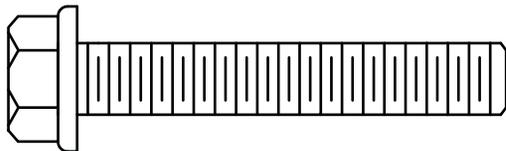
Rubber Grommet x2



8mm Hex head bolt x2



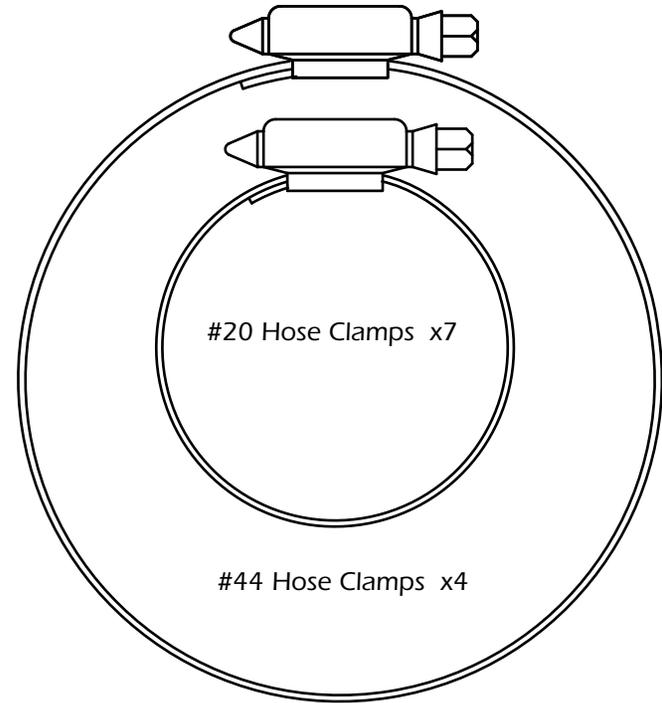
3/8' Washer x1



3/8"x2 1/4" Flange head bolt x1



Spacer x2



#20 Hose Clamps x7

#44 Hose Clamps x4

PARTS NOT SHOWN:

555-P	Bracket	1x
K370FC	Header	1x
K370HC	Front Heat Shield	1x
K371HC	Rear Heat Shield	1x
D288HC	Front Muffler Heat Shield	1x
S368HC	Rear Muffler Heat Shield	1x
A405R	Baffle	2x

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

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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