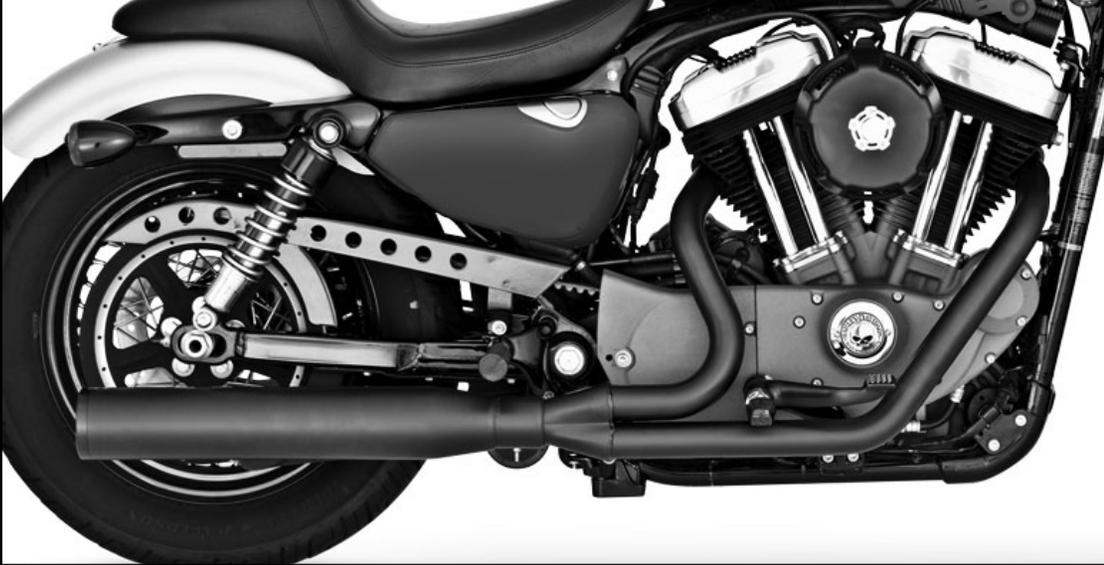




MORE POWER : LESS NOISE



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 screwdriver
-  5/16" Nutdriver
-  Wrenches 9/16", 1/2" & 7/8" or 22mm
-  3/16" & 5/16" Allen wrench & torx socket T30
-  Snapping pliers
-  Torque wrenches
-  Ratchet 3/8" drive
-  9" Extension sockets 9/16" & 1/2"

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

**STOCK EXHAUST
SYSTEM REMOVAL**

NOTE: These instructions are written for late model motorcycles equipped with O2 sensors. If you are installing these pipes on a bike which is not equipped with O2 sensors, ignore all instructions which reference them. Additionally you will need to purchase an O2 sensor block off kit P/N 16925.

1. If equipped, find and unplug the O2 sensor wires from the wiring harness and remove nylon cable tie holding front wire to frame. Feed the end of the wires through the frame so they are free from the motorcycle. NOTE: Pay attention to wire routing for re-installation.
2. Loosen the heat shield clamps on both the front and rear exhaust pipes. This allows easier access to the head pipe mounting nuts.
3. Remove the two head pipe mounting nuts from each flange, located at the cylinder head.
4. Remove the clamp bolt which mounts the rear head pipe to the belt drive cover bracket.

5. Remove the two bolts from each muffler body where they attach to the mounting bar. Carefully remove exhaust pipes from the motorcycle and set aside.
6. Remove the drive belt cover and take the bracket off the rear cover bolt, the bracket will not be re-used.
7. Unfasten the brake rod from the rear brake arm by unscrewing the T30 Torx bolt. When arm is free lift it away from the exhaust cross-over/mounting bar.
8. Remove the three mount bolts and washers attaching the exhaust mounting bar (save hardware for re-use) and remove bar.
9. Using a 7/8" or 22mm wrench, carefully remove the O2 sensors from the stock head pipes and save for re-use with the new system.
10. Carefully remove exhaust port flanges and circlips from the stock exhaust system using snapping pliers. NOTE: Replace bent or damaged circlips. Check exhaust port gasket condition. Recommended replacement exhaust port gaskets, Harley part number: #17048-98 or #65324-83B.

FIGURE 1

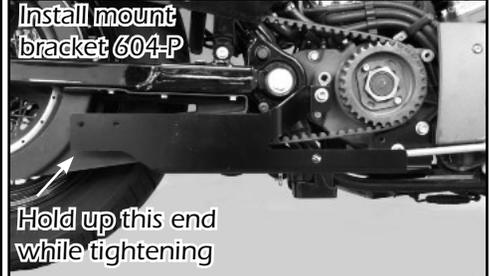
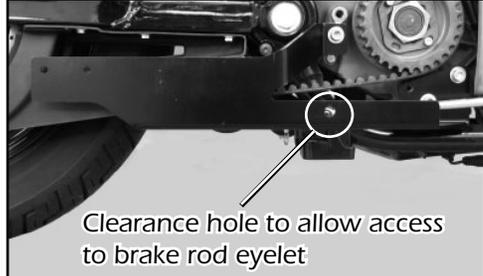


FIGURE 2



VANCE & HINES EXHAUST SYSTEM INSTALLATION

1. Install and tighten supplied mounting bracket (stamped 604-P) using stock bolts and washers (Figure 1). Torque to 30-33 Ft/Lbs. NOTE: Support the rear of the bracket during tightening to insure it is aligned with the bottom edge of the frame.
2. Re-install brake rod eyelet using blue thread locking compound (Loctite 243). There is a 1/2" clearance hole in the bracket to allow access for tightening brake rod eyelet. Torque to 120/180 In/Lbs. (Figure 2).
3. Re-install drive belt cover. Torque 1" x 3/8" bolt to 30-33 Ft/Lbs. and 2" x 1/4" bolts to 80-120 In/Lbs.
4. Carefully unpack both the header and muffler body from their respective protective packaging and place them on a non-abrasive surface such as a blanket or carpet.
5. Install circlips and flanges from stock system onto both new head pipes.
6. If equipped, Install stock O2 sensors into the new header. Apply a small amount of anti-seize compound to the threads of the oxygen sensors before installation. NOTE: Be careful not to get anti-seize on sensor tip, it may affect sensor function.
7. Using stock flange nuts, carefully install head pipes into exhaust ports (Assistance may be required). NOTE: Do not tighten at this time.
8. Install barrel clamp over slotted tube at the end of Muffler body (D265RP). NOTE: Be careful not to damage black coating of muffler body
9. Install the muffler body onto the collector. Slide the nut plate inside the bracket that is welded to the backside of the muffler body and attach the muffler body to the mounting bracket using two 5/16" x 5/8" flange head bolts (supplied). Leave them loose at this time.
10. Tighten cylinder port exhaust flange nuts on front and rear cylinders.
11. Check alignment of Muffler body, first tighten the 5/16" x 5/8" flange head bolts that attach the muffler body to the bracket. Finally tighten the barrel clamp to secure muffler body to header.
12. Plug O2 sensors back into wiring harness and route wires away from hot areas of motorcycle.
13. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
14. Be sure to tighten all hardware before starting your motorcycle.

EXHAUST CARE - HELPFUL HINTS TO AVOID DISCOLORATION OF EXHAUST SYSTEM

1. When installing a new set of black pipes, make sure your hands are clean and free of oil. After installation, thoroughly clean pipes with warm soapy water and a soft cloth. Dry with clean towel to remove any residue before starting the motorcycle. Do NOT use anything abrasive to clean pipes.
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. 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

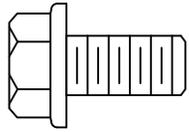


Quiet baffle P/N 21892 is available for this system. The quiet baffle will lower the sound level by 2-3db on average. Contact your local dealer to order.

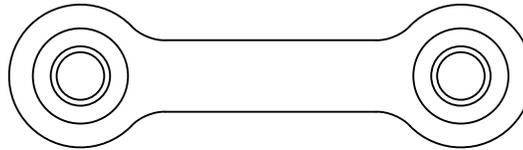
PLEASE NOTE: Every effort is made for Vance & Hines Exhaust Systems to provide improved cornering clearance. However, due to design and space limitations on some motorcycle models, ground and cornering clearance may not be improved and in some cases may be reduced. Be sure to follow proper installation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



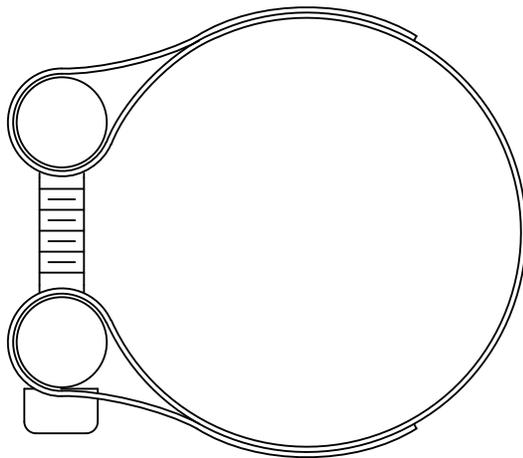
PACKING LIST



5/16" x 5/8" Flange Head
Bolt x 2



Nut Plate x 1



Barrel Clamp x 1

PARTS NOT SHOWN:

604-P	Bracket	x1
D640FP	Header	x1
D265RP	Muffler Body	x1

MORE POWER : LESS NOISE

ALL PARTS SHOWN ARE ACTUAL SIZE

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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