YAMAHA BOLT
TWIN SLASH 2-2 BLACK
INSTALLATION INSTRUCTIONS
PART# 48531

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.

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

- 6mm & 8mm Allen Wrench
- Flat Blade Screwdriver
- 5/16 Nutdriver
- 10, 12 & 14 mm sockets, 1/4", 3/8" drive ratchets and extensions
- 10, 12, 14 & 22mm Combination Wrenches

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

STOCK EXHAUST SYSTEM REMOVAL

1. Unplug the O2 sensor from the main wire harness.
2. Loose the clamp at the front of the muffler.
3. Remove the two button head screws that attach the muffler to the stock mounting bracket and remove the muffler assembly from the vehicle. NOTE: Be careful not to damage the O2 sensor lead.
4. Using the 22mm wrench, carefully remove the O2 sensor from the muffler assembly and save for reuse with the new system.
5. Remove the right side foot peg and brake assembly. NOTE: This assembly contains the brake light switch and wire. Use a wire or some other suitable method to hang the assembly off the motorcycle being careful not to stretch or damage the brake light wires.
6. Remove the stock nuts (front cylinder) and bolts (rear cylinder) and carefully remove the stock header from the motorcycle. NOTE: You will reuse the stock bolts and nuts to install your new header assembly.
7. Remove the stock mounting bracket.
8. Check the stock exhaust gaskets and replace them if they are damaged or worn.

FIGURE 1

FIGURE 2

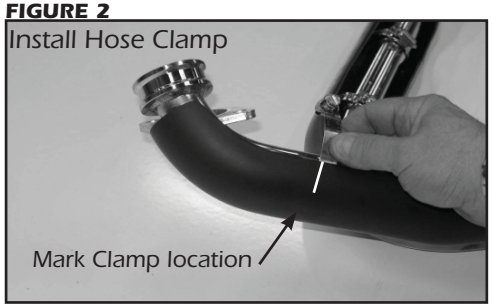


FIGURE 3

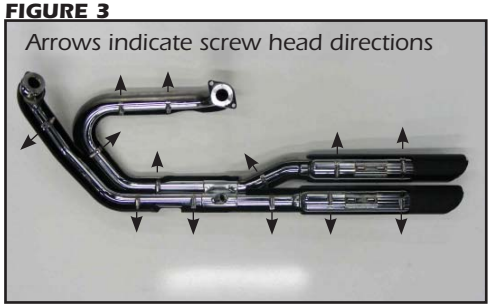
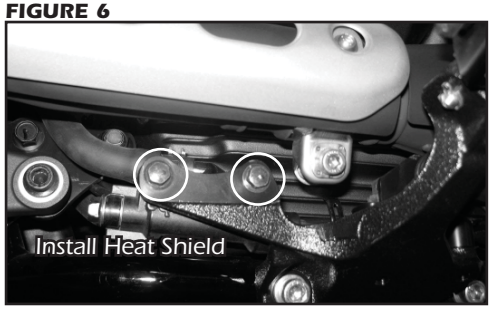


FIGURE 4

MORE POWER : LESS NOISE

FIGURE 5

FIGURE 6



VANCE & HINES EXHAUST SYSTEM INSTALLATION

1. Install the bracket (supplied) to the motorcycle chassis using two 10 x 25mm and one 10 x 50mm flange head bolts (supplied) (Figure 1).
2. Remove exhaust system and heat shields from protective packaging and place them on a non-abrasive surface such as a blanket or carpet. Using a pencil or tape, mark outside edge of each heat shield to show location of mounting clips that the hose clamps will loop through (Figure 2).
3. 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 2). Take note of screw head direction (Figure 3), for adjustment purposes they must be accessible when system is installed.
4. Align the front and rear head pipe heat shields and tighten the hose clamps, making sure that the desired alignment is not changed.
5. Apply a small amount of anti-seize compound to the threads of the stock O2 sensor and install it into the header assembly. NOTE: Be careful not to overtighten or get anti-seize compound on the sensor tip as this could damage or affect the sensor function.
6. Using stock hardware, carefully install system into exhaust ports. (Assistance may be required). NOTE: Install but do not tighten the exhaust nuts and bolts at this time.
7. Attach exhaust system to bracket using the four 5/16" x 5/8" flange hex bolts (supplied) and two nut plates (supplied). Slide the nut plates into each of the brackets that are welded to the back of the muffler bodies and secure to bracket using the four flange hex bolts (Figure 4). NOTE: Do not fully tighten at this time.
8. Remove the muffler heat shields from their protective packaging. Place them on a non-abrasive surface such as a blanket or carpet.
9. Place the #36 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 should be on top.
10. Align the ends of the muffler heat shields so they allow a 1/4" reveal (Figure 5). Tighten the hose clamps on the muffler body heat shields while making sure they all remain level and aligned.
11. Tighten the exhaust port nuts and bolts first, then the 5/16" x 5/8" hex flange bolts on muffler bodies.
12. Insert the O2 sensor plug back into the connector and tuck harness back into its original position.
13. Remove the two 10mm bolts from the right side foot peg and brake assembly that hold the brake master cylinder and install the brake heat shield between the brake master cylinder and assembly and re-install the two 10mm bolts (Figure 6). NOTE: The bend in the heat shield should cover the brake hose when installed correctly. A locking compound should be used on the 10mm bolts to prevent them from coming loose.
14. Re-install the foot peg and brake assembly
15. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
16. Be sure to tighten all hardware before starting your motorcycle.
17. After installation and before starting motorcycle, completely clean pipes and mufflers with soap, water and a clean soft cloth. NOTE: Any residue, oil, or fingerprints will stain the finish when the metal heats up.
18. 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 soap and water and a soft cloth. Dry thoroughly 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.
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.

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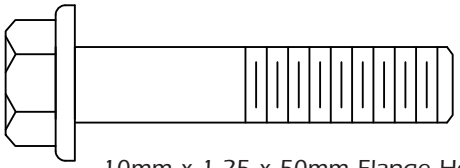
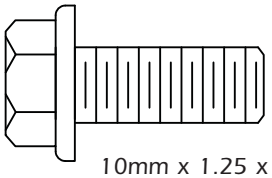
ALL PARTS SHOWN ARE ACTUAL SIZE

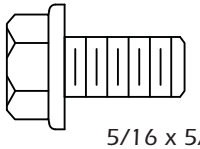
PACKING LIST



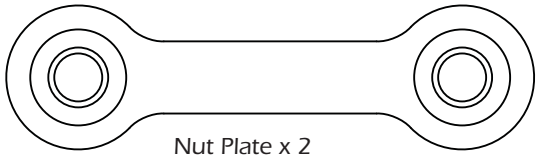
10mm x 1.25 x 50mm Flange Head Bolt x 1



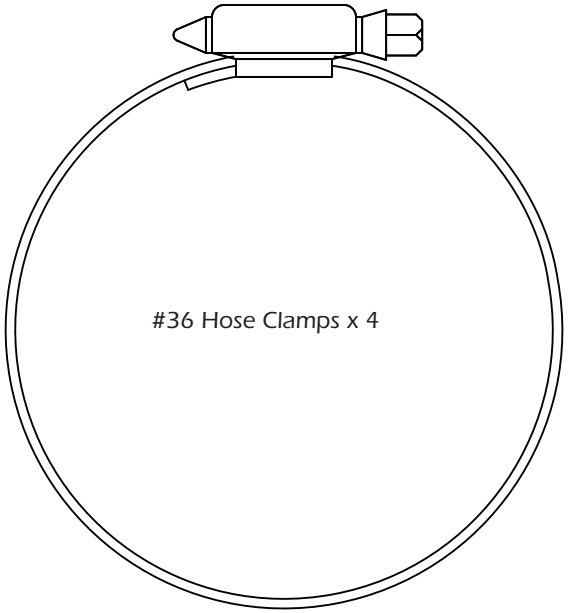
10mm x 1.25 x 25mm Flange Head Bolt x 2



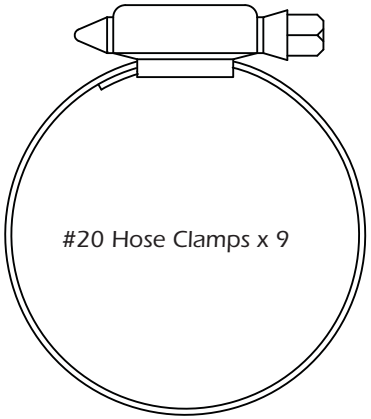
5/16 x 5/8 Flange Head Bolt x 4



Nut Plate x 2



#36 Hose Clamps x 4



#20 Hose Clamps x 9

PARTS NOT SHOWN:

809-P	Bracket	x1
A120HP	Master Cylinder Heat Shield	x1
Y375FC	Header	x1
Y375HP	Front Heat Shield Upper	x1
Y378HP	Front Heat Shield Lower	x1
Y376HP	Rear Heat Shield Upper	x1
Y377HP	Rear Heat Shield Lower	x1
S397HP	Muffler Heat Shield Lower	x1
Y379HP	Muffler Heat Shield Upper	x1

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.

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.

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.