

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, 6 & 8mm
Allen Wrench



5/16 Nutdriver



10, 12, 14 &
22mm Combination
Wrenches



Flat Blade Screwdriver



13 & 14 mm
sockets, 3/8" drive
ratchets and exten-
sions

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

STOCK EXHAUST
SYSTEM REMOVAL

1. Unplug the O2 sensor from the main wire harness.
2. Remove the two button head screws that attach the muffler to the stock mounting bracket.
3. Loosen the clamp at the front of the muffler and remove the muffler assembly from the vehicle and remove the stock gasket from headpipe. 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 stock mounting bracket.

FIGURE 1

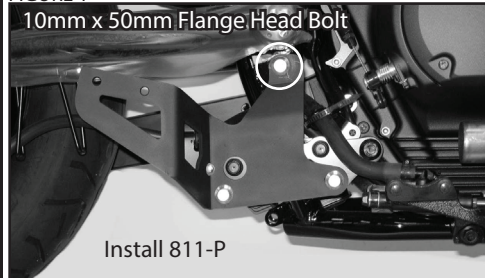


FIGURE 2

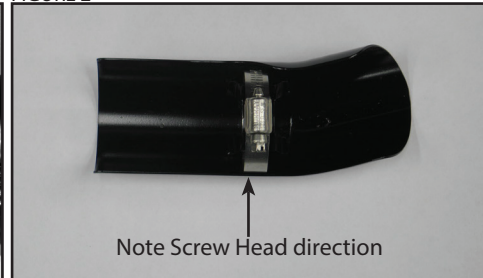


FIGURE 3

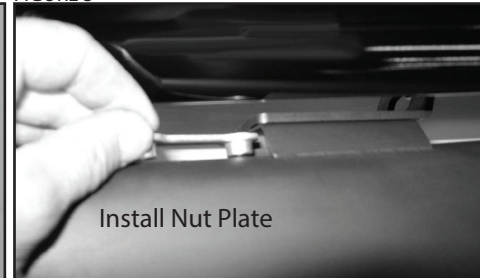
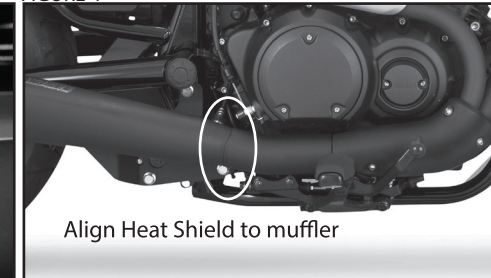


FIGURE 4



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 shield 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 the heat shield to show location of mounting clip that the hose clamp will loop through (Figure 2).
3. Carefully lay heat shield onto muffler assembly and loosely install the hose clamp #28 (supplied) on heat shield by feeding the tail end of the clamp into the heat shield clip (Figure 2). Take note of screw head direction, for adjustment purposes it must be accessible when system is installed. NOTE: Do not tighten the clamp at this time.
4. 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.
5. Install the barrel clamp (supplied) onto the front of the muffler, with bolt head down. Now install assembly onto OEM Header.
6. Attach exhaust system to bracket using the two 5/16" x 5/8" flange hex bolts (supplied) and nut plate (supplied). Slide the nut plate into the bracket that is welded to the back of the muffler body (Figure 3).
7. Tighten the barrel clamp.
8. Align heat shield to muffler, ensure uniform gap between heat shield and muffler (Figure 4)
9. Insert the O2 sensor plug back into the connector and tuck harness back into its original position.
10. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
11. Be sure to tighten all hardware before starting your motorcycle.
12. After installation and before starting motorcycle, completely clean pipes and muffler with soap, water and a clean soft cloth. NOTE: Any residue, oil, or fingerprints will stain the finish when the metal heats up.

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



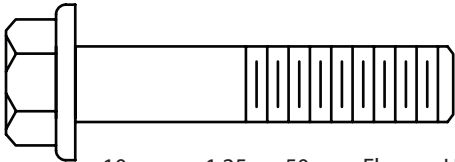
FUEL MANAGEMENT:
Take the guess work out of fuel injection with Fuelpak Fuel Management. Contact your local dealer or call (562) 921-0071 to order. Visit fuelpakfi.com for more information. Fuelpak is intended for racing or off-highway use only, and is not legal for sale or use in California on pollution-controlled vehicles.

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.

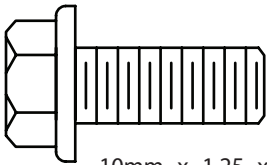
ALL PARTS SHOWN ARE ACTUAL SIZE



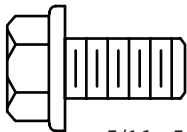
PACKING LIST



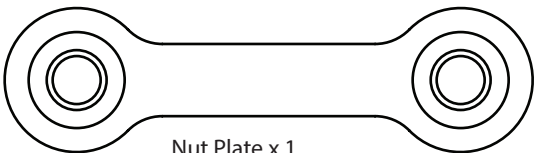
10mm x 1.25 x 50mm Flange Head Bolt x 1



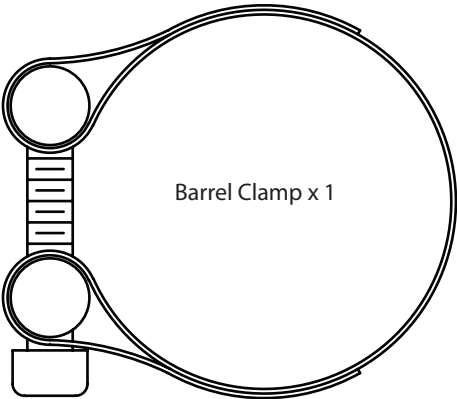
10mm x 1.25 x 25mm Flange Head Bolt x 2



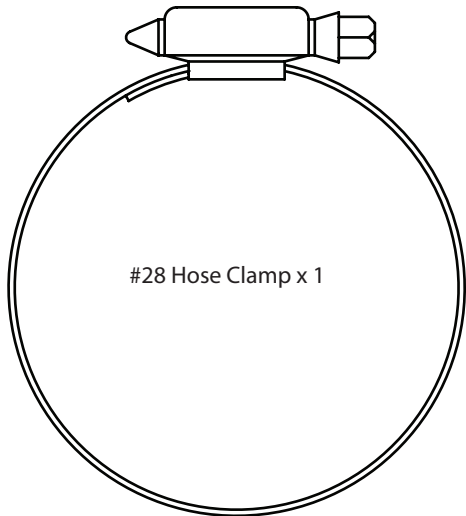
5/16 x 5/8 Flange Head Bolt x 2



Nut Plate x 1



Barrel Clamp x 1



#28 Hose Clamp x 1

PARTS NOT SHOWN:	
811-P Bracket	x1
Y789RP Muffler Assembly	x1
Y762HP Heat Shield	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.

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 Yamaha Star® 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.

