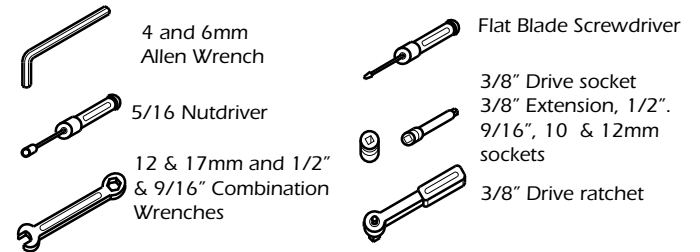




Congratulations, you have purchased the finest exhaust system for your motorcycle on the market. Your Vance & Hines exhaust system is designed and crafted for maximum performance, a perfect fit, a great sound and unbeatable style.

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**



READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

**STOCK EXHAUST
SYSTEM REMOVAL**

1. On right side of bike, remove shoulder bolt holding the cover with a 4mm allen wrench, and pull cover off gently. Be careful not to scratch cover on exhaust when removing (Figure 1).
2. Disconnect front and rear O2 sensors at grey connectors.
3. Loosen clamp holding top/rear cylinder muffler body to header. Loosen and remove two 6mm allen bolts holding top/rear cylinder muffler body to the lower/front cylinder muffler body, and remove top/rear cylinder muffler body from bike. NOTE: Assistance may be required (Figure 2).
4. Loosen and remove two lower/front cylinder muffler body hex bolts (Figure 2).
5. Remove front and rear allen head bolts from stock exhaust flanges on head with 6mm allen wrench.
6. Carefully remove the stock exhaust headers and lower/ front cylinder muffler body assembly as one unit from the motorcycle. NOTE: Assistance may be required.
7. Remove plastic bracket cover with 4mm allen wrench (Figure 3)
8. Remove the three socket head bolts holding bracket with 12mm socket, and remove stock bracket.
9. Remove O2 sensors from stock exhaust with 17mm wrench and put aside for installation on new system.
10. 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 1



FIGURE 2

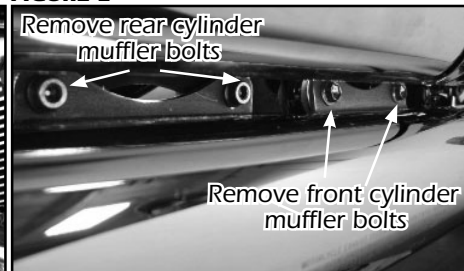


FIGURE 3



FIGURE 4

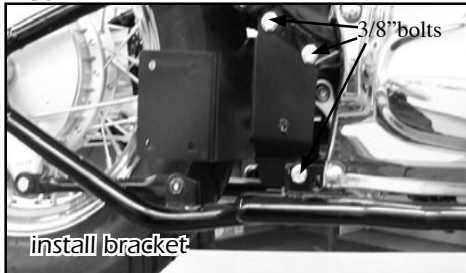


FIGURE 5

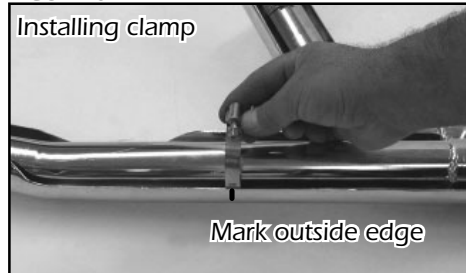


FIGURE 6

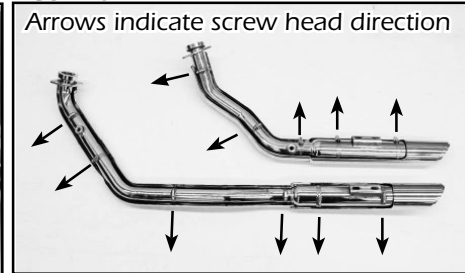
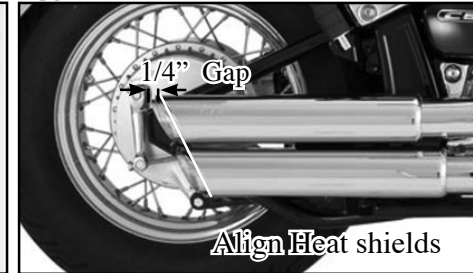


FIGURE 7



1. Install the bracket stamped 629-P, (supplied) to the motorcycle chassis using the 3/8" x 1" flange bolts, washers, and nuts (supplied) and tighten to factory specs (Figure 4).
2. Using stock hardware reinstall stock plastic side and bracket covers.
3. 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 non-permanent marker or tape, mark outside edge of each heat shield to show location of mounting clips that the hose clamps will loop through (Figure 5).
4. Apply a small amount of anti-seize compound to the threads of the O2 sensors and install them into the new head pipes. NOTE: Be careful not to get anti-seize on sensor tip, it may affect sensor function.
5. Carefully lay head pipe heat shields onto headers (S390FC,S391FC) and loosely install the #20 hose clamps (supplied) on head pipe heat shields by feeding the tail end of the clamp into the heat shield clips. Take note of screw head direction (Figure 6), for adjustment purposes they must be accessible when system is installed. NOTE: Do not tighten the clamps at this time.
6. 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 stamp should be on top.
7. Using stock head bolts, carefully install system into exhaust ports. (Start with front header first) NOTE: Do not fully tighten at this time.
8. 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.
9. Align the front and rear head pipes and tighten the exhaust port bolts, then the 5/16" x 5/8" hex flange bolts on muffler body brackets, making sure that the desired alignment is not changed.
10. 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 be in 1/4" in from end of muffler body.
11. Tighten the hose clamps on the muffler body heat shields while making sure they all remain level and aligned.
12. Check for adequate clearance between all exhaust system components and motorcycle accessories prone to heat damage.
13. Be sure to tighten all hardware before starting your motorcycle.
14. After installation and before starting motorcycle, completely clean pipes and mufflers with soap and water and a clean soft cloth that will not leave a residue. 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 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. 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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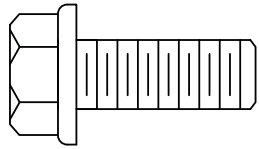
Quiet Baffle
Competition Baffle
Replacement Baffle

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.

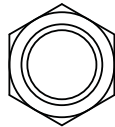
PACKING LIST

MORE POWER : LESS NOISE

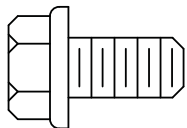
ALL PARTS SHOWN ARE ACTUAL SIZE



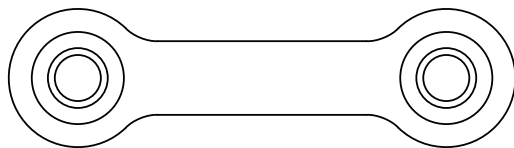
3/8" x 1" Flange Bolt x3



3/8" Locknut x3



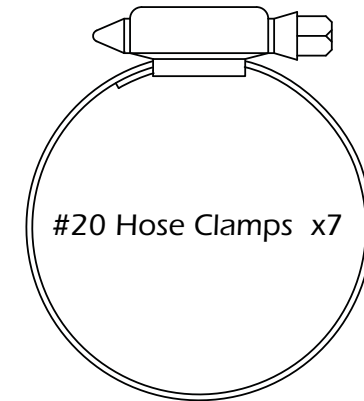
5/16" x 5/8" Flange Bolt x4



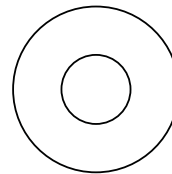
Nut plates x2



#36 Hose Clamps x4



#20 Hose Clamps x7



3/8 flat washers x3

PARTS NOT SHOWN:

629-P	Bracket	x1
S390FC	Front Header	x1
S391FC	Rear Header	x1
S390HC	Front Heat Shield Chrome	x1
S391HC	Rear Heat Shield Chrome	x1
S395HP	Front Heat Shield Black	x1
S396HP	Rear Heat Shield Black	x1
S392HC	Front Muffler Heat Shield Chrome	x1
S393HC	Rear Muffler Heat Shield Chrome	x1
S397HP	Front Muffler Heat Shield Black	x1
S398HP	Rear Muffler Heat Shield Black	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 Suzuki 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.

