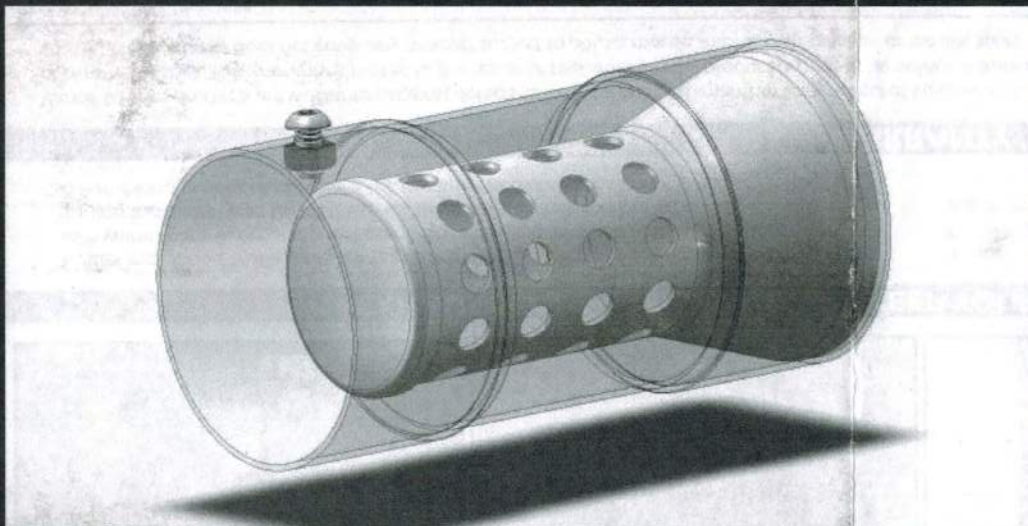


**QUIET INSERT FOR
PRO PIPE HI-OUTPUT 2-INTO-1 & SLIP-ON EXHAUST SYSTEMS
INSTALLATION INSTRUCTIONS
PART# 21905**



MORE POWER : LESS NOISE



Congratulations, you have purchased the finest exhaust system available for your motorcycle. Your Vance & Hines exhaust is designed and crafted for maximum performance, a great sound and unbeatable style. Please follow the instructions below, check exhaust system for missing or damaged parts and if you need any assistance please contact our technical support line (562) 921-7461.

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**



Torque Wrench



5/32", 3/16" Allen Wrench



Drill

1/4" Drill Bit

Center Punch

Hook Tool

Tape Measure

Mallet

READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

REMOVAL

NOTE: THE QUIET INSERT INSTALLATION SHOULD ONLY BE PERFORMED WHEN THE MOTORCYCLE IS COLD!

1. Using a 3/16" allen wrench remove the two end cap screws. Save them for reinstallation.
2. With a hook tool carefully remove the baffle assembly from the muffler body.

**VANCE & HINES
EXHAUST INSTALLATION**

1. Pull the packing sock away from the end cap end of the baffle.
2. If your exhaust was manufactured after 1/10/10, proceed to step #6.
3. Looking from the back of the end cap determine which flange bolt is on the top, you will need to mark and drill a hole approximately at 11:00 O'clock, see (Figures 1).
4. Measure from the end cap flange and make a mark with a center punch 1/4" away from the flange, see (Figures 2 & 3).
5. Drill a 1/4" hole and deburr the hole with a file or suitable tool, see (Figures 4).
6. Mark the clocking of the end cap to the baffle, see (Figures 5). Carefully remove the end cap from the baffle with a 5/32" allen wrench and set aside.
7. When installing the quiet insert align the bolt hole as you install the insert. Tap the insert using a mallet or a block of wood with a hammer. Once the holes are aligned install the supplied 1/4" button head cap screw #A235HW, torque to 129 in lbs. using a 5/32" allen wrench, see (Figures 6).
8. Reinstall the end cap at the correct clocking using the original hardware apply medium strength Loctite® to the screws and torque to 90 in lbs. using a 3/16" allen wrench. Slide the sock back towards the end cap.
9. Reinstall the baffle assembly into the muffler making sure the end cap holes are aligned with the muffler holes.. NOTE: When installing the baffle use a soft cloth and mallet to prevent damaging the end cap.
10. Reinstall the original end cap hardware using a 3/16" allen wrench. Apply high strength Loctite® to the screws and torque to 18 ft. lbs.

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11. Clean all finger prints before starting the motorcycle.
12. Some retuning may be necessary.
13. Be sure to check and tighten all hardware before starting your motorcycle.
14. Note: After initial ride it is recommended to re-torque the baffle screws to 18 ft. lbs. using a 3/16" allen wrench.

FIGURE 1

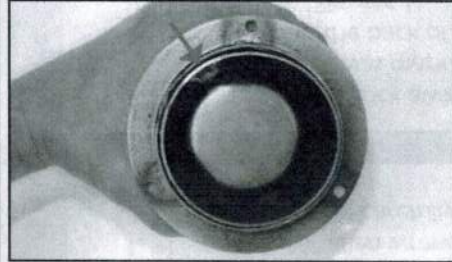


FIGURE 2

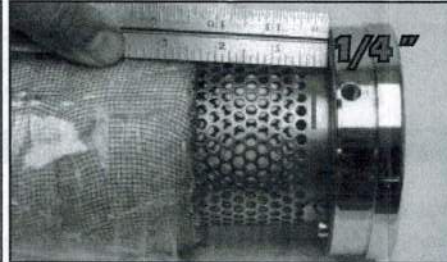


FIGURE 3

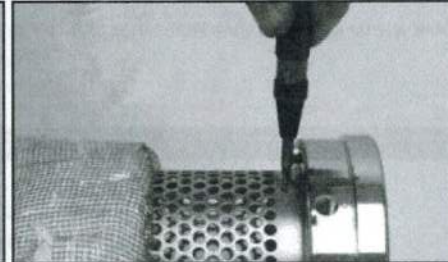


FIGURE 4

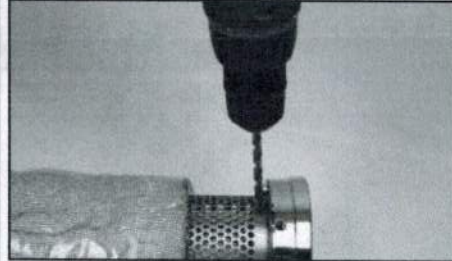


FIGURE 5

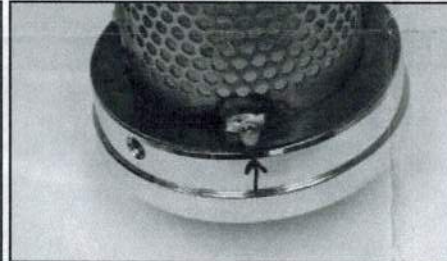
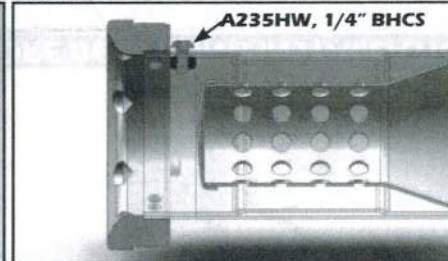


FIGURE 6



EXHAUST CARE - HELPFUL HINTS KEEP YOUR EXHAUST LOOKING NEW

1. After installation, make sure your hands are clean and free of oil and 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.

WARRANTY

Vance & Hines products 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 products 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.

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.

**13861 ROSECRANS AVENUE / SANTA FE SPRINGS, CA 90670
SALES: (562) 921-5388 / TECHNICAL: (562) 926-5291 / FAX: (562) 802-0110
VANCEANDHINES.COM**