

**MORE POWER : LESS NOISE**

**STOCK EXHAUST SYSTEM REMOVAL  
AND ALUMINUM PRO INSTALLATION**



Congratulations, you have purchased the finest exhaust system component for your motorcycle on the market. Your Vance & Hines exhaust components are 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.

**BEFORE  
YOU BEGIN**

- It's always a good idea to clean your bike if you have been riding it.
- Before you start work make sure you have protective clothes and eyewear.
- You will need the following tools to perform the installation: 8, 10 & 12mm T-Handles 4, 5 and 6mm allen keys, #3 phi lips screwdriver, 5/16" nut driver

**READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION**

**REMOVING YOUR STOCK SYSTEM**

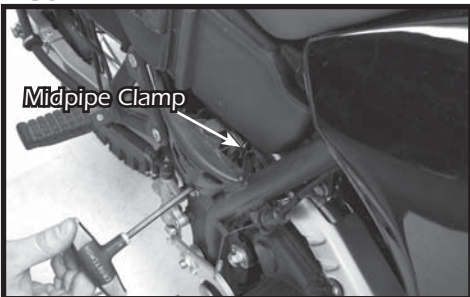
1. Place the machine on a stable work stand.
2. If you are not familiar with removing the original exhaust refer to the owner's manual before you start work.
3. Always allow your machine to cool down before attempting to remove the exhaust.
4. If you are installing the V&H head pipe to a stock exhaust use a 6mm allen head to loosen the stock mid pipe clamp. If you are installing to an existing XCR use a 5mm allen head to loosen the XCR clamp.
5. Using a 12mm T-Handle or socket, loosen and remove the stock head pipe clamp screw. **Save for reuse.**
6. Using your 12mm T-Handle or Socket again. Remove the stock head pipe at the cylinder head. NOTE: It may be necessary to use a penetrating lubricant on the flange nuts. **Save the flange nuts for reuse.**
7. Once the head pipe is removed slide the stock clamp off of the header. **Save for reuse.**
8. Remove the stock heat shield with a 4mm Allen key.(FIGURE 4)
9. With the stock heat shield removed you can now slide the stock header flange off of the head pipe.(FIGURE 4) **Save this part as it is reused on the V&H header.**

**INSTALLING THE NEW SS HEAD PIPE**

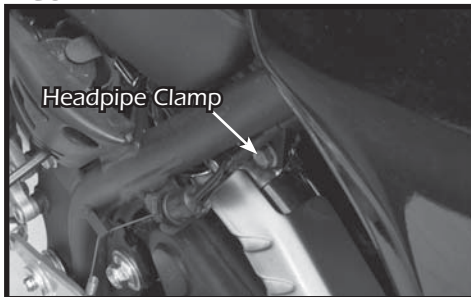
1. Slide stock header flange onto the new Vance and Hines head pipe. Make sure the flange is in the same direction as it was when removed from the stock pipe.
2. Install hose clamps into the heat shield as shown in Figure 5.
3. Snap heat shield and hose clamps over the head pipe. It will settle in a relaxed state roughly where it needs to be. You can fine tune fitment by adjusting the unsupported end's gap to the header. Snug the hose clamps as shown but don't fully tighten until the head pipe is installed. (FIGURE 6)
4. Slide the stock head pipe clamp onto the new Vance and Hines header before installation.
5. Install V&H head pipe onto cylinder head using stock flange nuts. Leave these loose for now. You may find it useful to remove the current mid pipe and muffler before installing head pipe. (FIGURE 7)
6. Align the head pipe clamp up with the original hole and install screw. Do not fully tighten yet. (FIGURE 8)
7. Once you have the system fully aligned, tighten all the screws, nuts, and hose clamps securely to factory specifications. NOTE: We recommend starting at the cylinder head and working backwards.

**INSTALL PHOTOS**

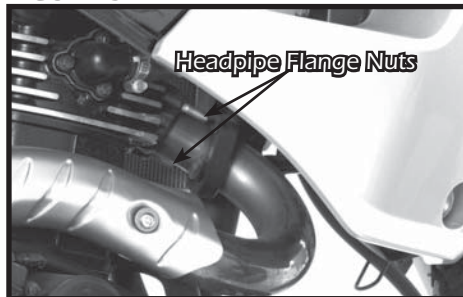
**FIGURE 1**



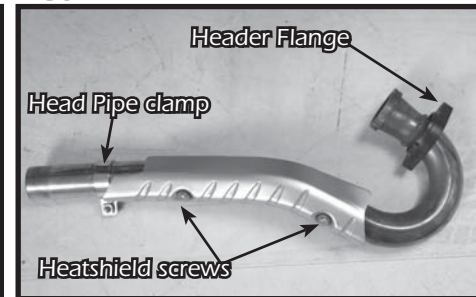
**FIGURE 2**



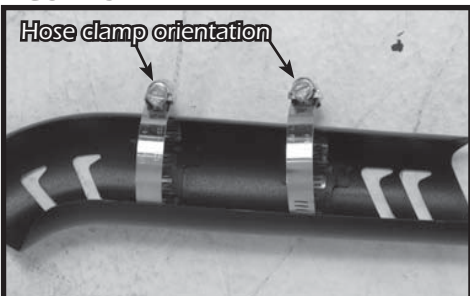
**FIGURE 3**



**FIGURE 4**



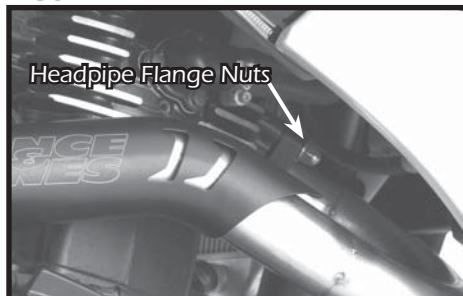
**FIGURE 5**



**FIGURE 6**



**FIGURE 7**



**FIGURE 8**



**TEST RIDING**

- 1. When you first ride the bike be aware that the characteristics are often quite different so start out slowly.

**ADDITIONAL INFORMATION**

**TUNING INFO**

**Based on our road and dyno testing we recommend installing a Dyno Jet Stage II jet kit.**

**1987-2007 – p/n 2144.001**

**2008-2012– p/n 2120.001**

**WARRANTY**

All of our exhaust systems are warranted against defects in material and/or workmanship for a period of 90 days. This warranty shall be limited to the repair or replacement of the system, which may be proven defective under normal use. We will not warranty any system that has been abused, misused, improperly installed, or modified. Failure to follow muffler packing instructions and maintenance will also not be covered under warranty.