

MORE POWER : LESS NOISE

**STOCK EXHAUST SYSTEM REMOVAL
AND XCR INSTALLATION**



READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

REMOVING YOUR STOCK SYSTEM

1. Always allow your machine to cool down before attempting to remove the stock exhaust.
2. Place the machine on a level work area.
3. If you are not familiar with removing the original exhaust refer to the owner's manual before you start work.
4. Loosen clamp connecting midpipe to headpipe.
5. Loosen and remove two bolts holding muffler body to frame.
6. Remove stock muffler assembly from bike. (Do not remove head pipe)

INSTALLING THE NEW XCR SYSTEM

1. The new XCR muffler does not utilize the stock gasket or compression clamp at the head pipe to muffler joint. This allows us to have a slip fit between our muffler and head pipe. (No clamp or gasket required)
2. Loosen headpipe nuts slightly to ease installation. (do not remove)
3. Install Vance and Hines XCR mid pipe onto loosened headpipe by sliding and rotating the pipe until the hole in the bracket lines up with hole in frame. Reinstall stock bolt. Finger tighten.
4. Slip muffler over mid pipe. Install spacer (supplied) between muffler body bracket and frame (wide end towards frame) using supplied 40mm bolt. Finger tighten.
5. Tighten headpipe nuts, then mid pipe and muffler body bracket hex flange bolts to factory specs.

TEST RIDING

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

TUNING

1. To convert system from Offroad to Competition specifications, remove the 5mm Allen bolt and Spark arrestor. Two different Db lowering inserts are

also available (see accessories section on page 2). To return the system to Offroad specification re-install the Spark arrestor into the rear of the muffler using a small amount of blue thread locking compound (Loctite® 243) re-tighten the 5mm Allen bolt (6.5 ft pounds).

MAINTENANCE NOTES

1. Exhaust mufflers require regular maintenance. Service intervals for repacking will vary with each application. Vance & Hines recommends repacking your muffler every 10 to 15 hours to ensure the system keeps running the way it was designed. Muffler repacking kits are available (see accessories section on page 2). This service interval will vary depending upon the speed, jetting specifications and the conditions in which you ride.
2. When repacking the XCR exhaust, remove end cap and repack through the end of the muffler.
3. The XCR spark arrestor must be serviced / cleaned every 50 hours to maintain proper performance. See page 2 for complete instructions on how this is done.
4. When washing your machine, we recommend that the XCR end cap be covered to prevent water from entering into muffler and damaging the silencer packing.

**BEFORE
YOU BEGIN**

- It's always a good idea to clean your ATV 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:
10, 12mm socket ,extension and ratchet combo,

Congratulations, you have purchased the finest exhaust system for your quad 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.

SPARK ARRESTOR CLEANING

Warning:

Spark arrestor is extremely HOT. Do not try to clean spark arrestor until your muffler has cooled completely. Please read instructions thoroughly before beginning cleaning process.

Maintenance Notes:

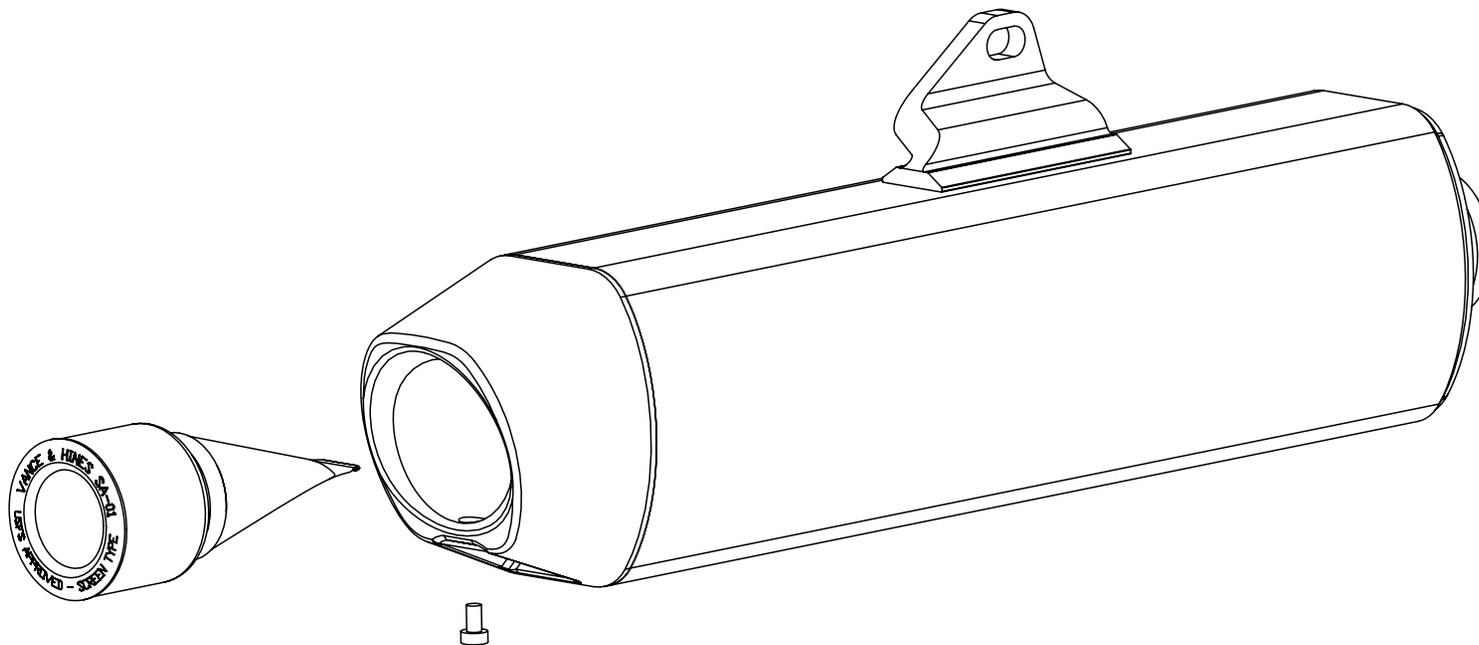
The spark arrestor must be serviced/ cleaned to maintain proper performance. It is advised that your spark arrestor be cleaned every 50 hours. Failure to do so could lead to deterioration of the spark arrestor screen.

Tools:

4mm Allen key, Wire brush, Gloves, Eye protection.

Steps:

1. Remove spark arrestor assembly from rear of muffler using a 4mm Allen key. Bolt hole located at the rear of muffler on the bottom of the endcap.
2. Take wire brush and carefully clean all carbon buildup on the screen mesh of the spark arrestor. Inspect the spark arrestor for damage or tears in the screen. If present the spark arrestor will need to be replaced.
3. Once clean re-install the spark arrestor into rear of the muffler. Using a small amount of blue thread locking compound (Loctite® 243) retighten the 5mm Allen screw (6.5 ft pounds).



VANCE & HINES OPTIONAL ACCESSORIES

FUELPAK



For Fuel Injected models, maximize the efficiency of your improved air flow with properly managed fuel delivery by Fuelpak. 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.

SPARE PARTS & ACCESSORIES

1. XCR Spark Arrestor Assembly P/N: 21881
2. 94 dB Sound Insert P/N: 21883
3. 99 dB Sound Insert P/N: 21885
4. Muffler Re-Pack Kit P/N: 21887

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.