

**MORE POWER : LESS NOISE**



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.

**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:  
12 mm T-Handle, 6mm Allen.

**READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION**

**STOCK EXHAUST SYSTEM REMOVAL  
AND XCR INSTALLATION**

**REMOVING YOUR STOCK SYSTEM**

1. Place the machine on a level work area.
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 old exhaust.
4. Loosen clamp connecting midpipe to headpipe.
5. Loosen and remove two bolts holding muffler body to frame.
6. Remove stock muffler from bike.

**INSTALLING THE NEW XCR SYSTEM**

1. The new XCR muffler doesn't utilize the stock gasket or compression clamp. This allows us to have a slip fit between our muffler and head pipe. (No clamp or gasket required)
2. Loosen headpipe nuts (do not remove)
3. Install Vance and Hines XCR system onto loose headpipe by sliding and rotating until holes in brackets line up with holes in frame then install M8 x 16MM hex flange bolts (supplied) finger tight.
4. Tighten headpipe nuts and muffler body bracket bolts to factory specs.

**TEST RIDING**

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

**TUNING**

1. On the LTR450 we suggest using stock fuel mapping based on our testing conditions. These specifications should only be used as a guideline. Riding at different elevations or climates may require using different settings to obtain peak performance. If you need additional assistance, please refer to your

Suzuki owner's manual. Vance and Hines FuelPak is available for the LTR450 (see accessories section on page 2).

2. 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.

**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:**

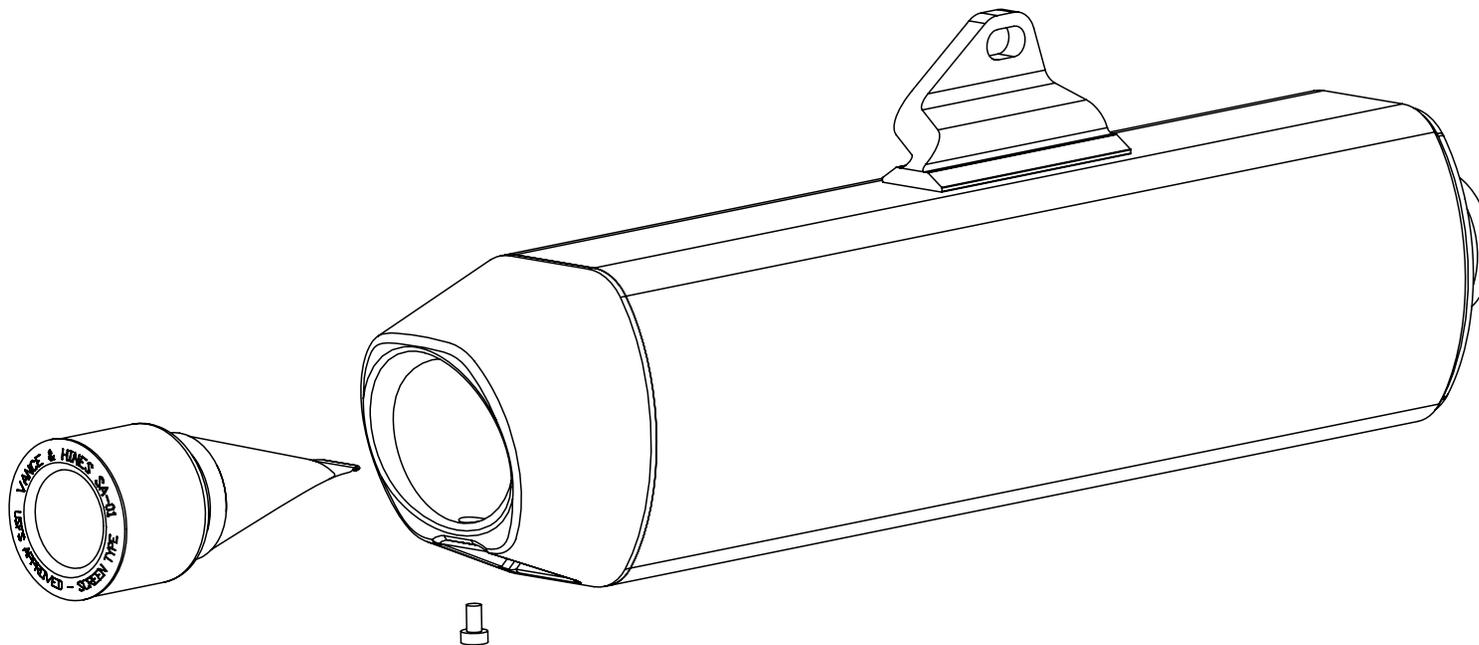
The spark arrestor must be serviced/ cleaned to maintain proper performance. It is advised that your spark arrestor be cleaned every 50 hours. Failure to do so could lead to deterioration of the spark arrestor screen.

**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](http://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
5. FuelPak for LTR450 P/N: 74-800

**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.