



# POWERLID INSTALLATION INSTRUCTIONS

Part Number YA-3502-T

This filter fits: SEE CATALOG FOR CURRENT APPLICATIONS

Congratulations, you have purchased an X-STREAM™ POWERLID™, the latest filtration innovation from K&N, the recognized leaders in the performance filtration industry. The X-STREAM™ POWERLID™ is a pre-filter that is designed to increase the airflow to the engine by eliminating the restrictive intake snorkels while at the same time, extending the service interval of the primary air filter. The X-STREAM™ POWERLID™ **MUST BE USED IN CONJUNCTION WITH A PRIMARY AIR FILTER AT ALL TIMES.** The X-STREAM™ POWERLID™ comes complete with the necessary carburetor components required to properly jet a stock machine. If the machine has any modifications such as a pipe or porting, the supplied jets may not be correct for this application, see Main Jet/Tuning Recommendations. Due to the limited size of the X-STREAM™ POWERLID™, it will require servicing more often than the primary filter typically does. For extremely rigorous conditions, the X-STREAM™ POWERLID™ is supplied with its own DRYCHARGER™ to extend the service interval for those extra long weekends in the desert. By cleaning, replacing or removing the DRYCHARGER™ and/or the X-STREAM™ POWERLID™, it should no longer be necessary to service the primary air filter in the field where the risk of engine contamination is at its highest. Please follow the separate DRYCHARGER™ instructions for installation onto the X-STREAM™ POWERLID™.



1. Remove the seat.



2. Unclip the air box retaining clips on lid and remove it. **NOTE:** If the stock filter is being replaced with a K&N Filtercharger, do that at this time following the instruction sheet supplied with the K&N Filtercharger.

3. Locate float bowl drain screw and drain fuel from the carburetors. **NOTE:** Be careful to catch any gas in a metal container for proper disposal.



4. Loosen clamps that connect carburetors to the air box and the engine.



5. Loosen the cap on the slide assembly and remove from the carburetors.



6. Remove all fuel lines from carburetors. It is recommended that you label each fuel line for ease of re-assembly. **CAUTION:** Be careful, fuel lines may still contain fuel.

7. Remove the carburetors from the ATV.

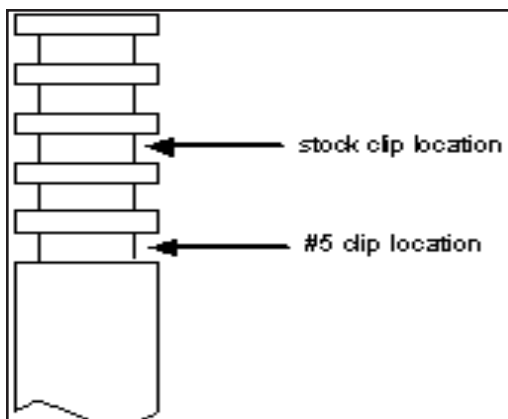


8. Remove the float bowls from each carburetor.

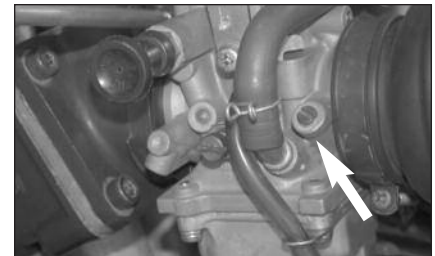


9. Remove the stock main jet from each carburetor.

10. Install the proper main jets per the Main Jet / Tuning Recommendation section.



11. On a completely stock ATV, change the clip from the stock location to the #5 groove. For all other ATV's see Main Jet/Tuning Recommendation section.



12. Locate the air mixture screw and turn clockwise until lightly seated. Now turn the screw counter clockwise 2 full turns. Note: This step will need to be repeated on both carburetors.

**NOTE:** If the machine has a stumble as the throttle is opened, the air mixture screw should be adjusted in or out 1/8 of a turn at a time for best off-idle performance.

13. Reassemble the ATV following the steps in reverse order.



14. Install the X-STREAM™ POWERLID™ on to the air box using the stock retaining clips.

**WARNING!** The ATV should never be run without the stock primary air filter or a K&N Filtercharger® part number YA-3502

**ROAD TESTING**

Before starting engine make sure all fuel lines are reconnected and tight. Turn the fuel petcock to the **ON** position. Put the ATV in neutral then start. With the engine running listen for any air leaks noises or fuel leaks. If there are any leaks or noises, check the cause and repair before proceeding. You may notice more noise from the air box, compared to the stock lid. If all preliminary checks are okay, a quick road test is necessary. Listen carefully for any noises and fix as necessary. If the road test is fine you can enjoy riding as normal. If you have any question or problems, inquire at your nearest K&N dealer, or direct to K&N Engineering at (951) 826-4000 or (800) 858-3333.

**THESE INSTRUCTIONS MUST BE FOLLOWED EVERY TIME THE FILTER IS SERVICED, OTHERWISE THE FILTER MAY NOT SEAL, AND DAMAGE TO THE ENGINE COULD RESULT.**

**MAIN JET / TUNING RECOMMENDATION**

**Note:** There are many factors that can affect the air/fuel mixture of an ATV. A few of these are; altitude, air temperature, fuel type, engine modifications, etc. The X-STREAM™ POWERLID™ is not designed to cure a poorly jetted machine.

The supplied jets were tested on a completely stock machine fitted with an X-STREAM™ POWERLID™ with the following parameters:

Elevation - 1000'  
Temperature - 98F  
Fuel type - 91 unleaded

The larger jets will work up to about 3000 feet elevation. The smaller jets should be used for elevations from 3000 feet to 6000 feet. For elevations above 6000 feet smaller jets will need to be purchased locally. If the machine is not completely stock (including the jetting) the supplied jets will not be correct for this application. If the machine is not stock but it has been re-jetted correctly, the X-STREAM™ POWERLID™ can be made to function properly with locally purchased jets.

Follow these guidelines for help in determining what jetting adjustments to make when the machine is not stock.

Installing an X-STREAM™ POWERLID™ in place of an unmodified stock airbox cover typically requires increasing the left carburetor main jet 7 steps and the right carburetor main jet 11 steps and raising both needles one position.

Installing an X-STREAM™ POWERLID™ in place of no airbox cover typically requires decreasing both main jets 1 step and lowering the right carburetor needle one position.

**Parts List - YA-3502-T**

Description	Qty.
POWERLID™	1
Main jet #340	2
Main jet #350	2
Drycharger	1

**US PATENT NUMBER: 7,282,076**