



# POWERLID INSTALLATION INSTRUCTIONS

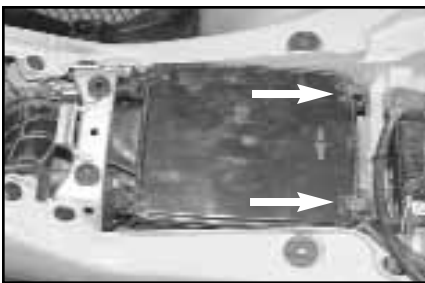
## Part Number SU-4002-T

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 did. 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 seat from the ATV.



2. Unclip the two airbox retaining clips on lid and remove it.

**NOTE: If you are replacing the stock air filter with the K&N Filtercharger® part number SU-4002, follow the installation steps outlined on the instruction sheet**



3. Loosen the clamp on the intake boot that runs from the air box to the carburetor then move aside.

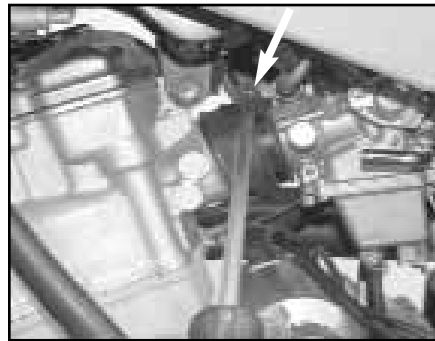


4. Turn the fuel petcock to the **OFF** position then remove the fuel line from carburetor.  
**NOTE: Be careful to catch any gas in a metal container for proper disposal.**

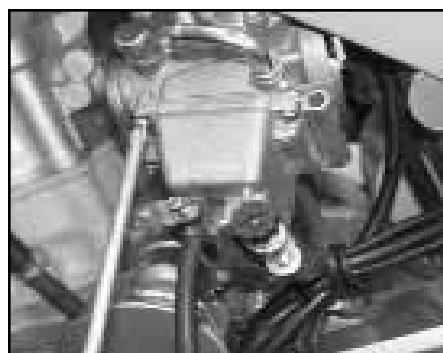


5. Locate the float bowl drain screw per ATV owners manual and drain the fuel from the carburetor.

**NOTE: Be careful to catch any gas in a metal container for proper disposal.**



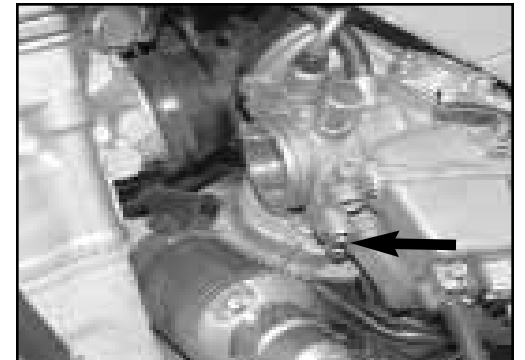
6. Loosen the clamp that connects the carburetor to the motor then rotate the carburetor for access to the float bowl.



7. Loosen the four screws on the float bowl.  
**NOTE: The float bowl may still contain fuel.**

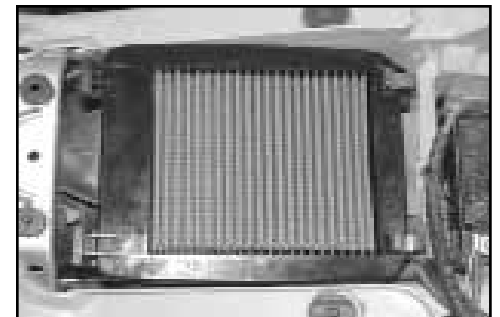


8. Remove the main jet and replace it with the proper jet (See the Main Jet / Tuning Recommendation section).



9. Locate fuel mixture screw and turn screw clockwise until lightly seated. Now turn screw counterclockwise 2-1/2 turns.

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



10. Install X-STREAM™ POWERLID™ onto the air box using stock retaining clips.  
**NOTE: X-STREAM™ POWERLID™ will only fit in one direction.**

11. Re-assemble the ATV in reverse order.

**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 road test is fine, you can enjoy riding as normal. If you have any questions or problems, inquire at your nearest K&N dealer, or direct to K&N Engineering at (951) 826-4000 or (800) 858-3333.

**WARNING: ATV should never be run without the primary stock air filter or a K&N Filtercharger® part number SU-4002**

**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 parameter:**

**Elevation - 1000 feet  
Temperature - 95°F  
Fuel type - 91 unleaded**

**The larger main jet will work up to about 3000 feet elevation. The smaller jet 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 main jet 10 steps and raising the needle one position.**

**Installing an X-STREAM™ POWERLID™ in place of no airbox cover typically requires decreasing the main jet 4 steps and lowering the needle one position.**

**Parts List - SU-4002-T**

<u>Description</u>	<u>Qty.</u>
POWERLID™	1
Main Jet #155	1
Main Jet #160	1
Drycharger	1

**PATENT #7,282,076**