



POWERLID INSTALLATION INSTRUCTIONS

PART NUMBER: YA-4504-T

This Powerlid™ fits: SEE CATALOG FOR CURRENT APPLICATIONS

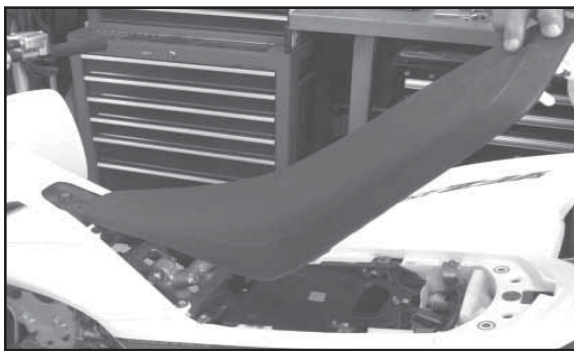
Congratulations, you have purchased an X-STREAM™ POWERLID™, the latest filtration innovation from K&N, the recognized leaders in the performance filtration industry. The X-STREAM™ POWERLID™ is a pre-filter that is designed to increase the airflow to the engine by eliminating the restrictive intake snorkels 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™.

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

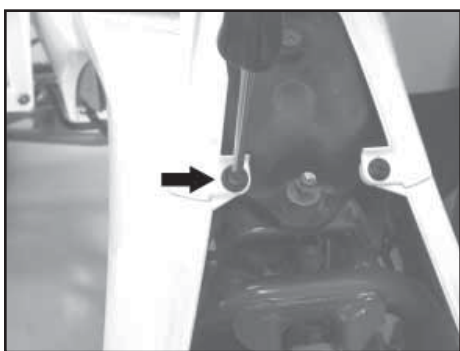
TO START:



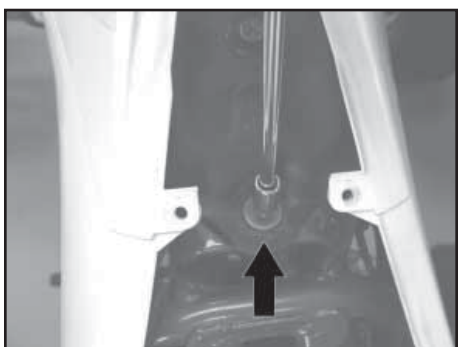
1. Pull back on the seat release.



2. Remove the seat.



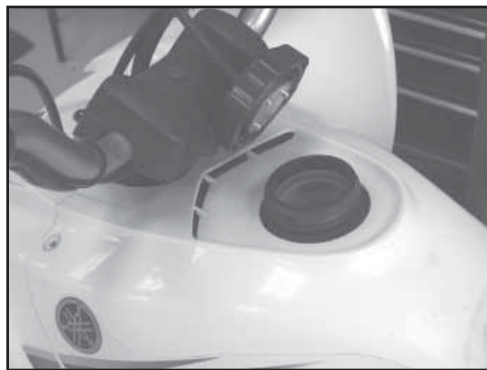
3. Remove the top two rivets holding the plastic around the tank.



4. Remove the bolt on the fuel tank.



5. Remove the two hexagon socket head bolts.



6. Remove the gas cap.

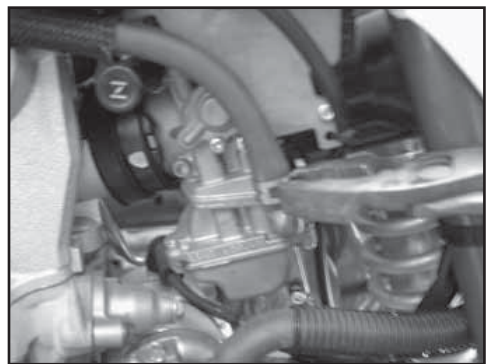


7. Remove the top cover off of the fuel tank.

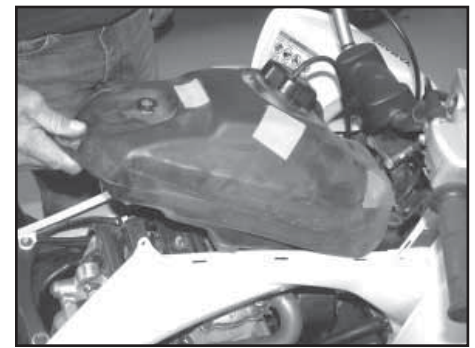


8. Reinstall the gas cap.

9. Turn the fuel petcock to the OFF position.



10. Disconnect the fuel line.
NOTE: Be careful to catch any gas in a metal container for proper disposal.



11. Lift up the fuel tank and pull back.

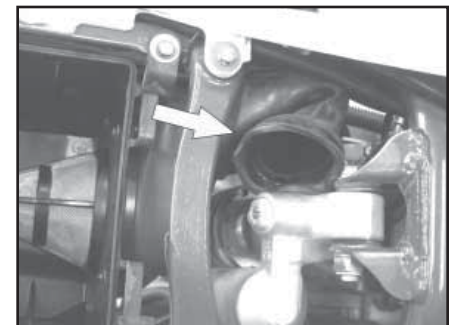
NOTE: There are two grommets that the front of the fuel tank must clear. See picture below.



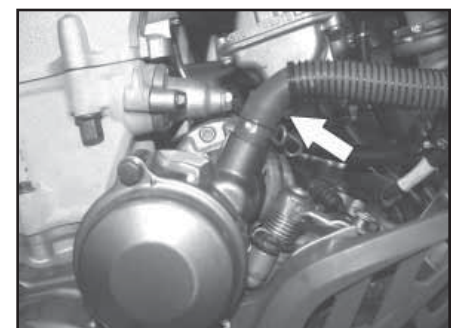
12. Remove the clamp at the rear of the carburetor.



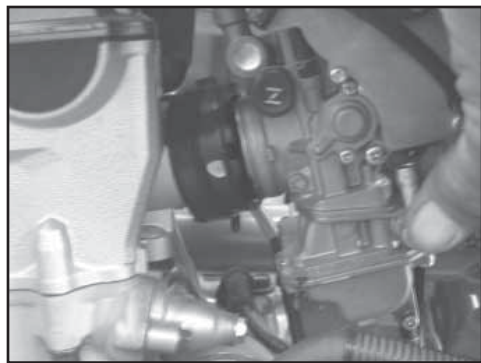
13. Loosen the clamp at the front of the carburetor.



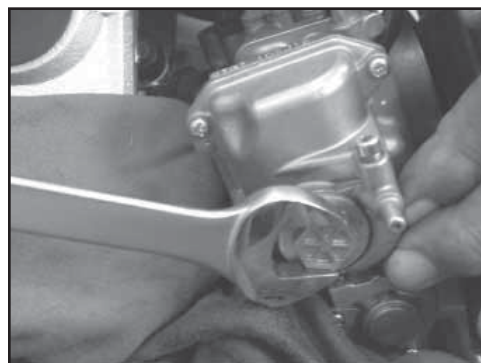
14. Remove the intake boot from the rear of the carburetor.



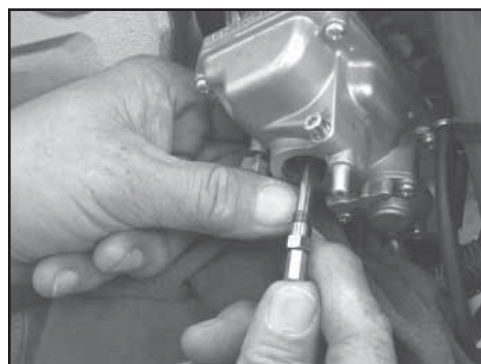
15. Disconnect the breather hose.



16. Remove the carburetor from the front intake joint.



17. Remove the jet holder hex nut.



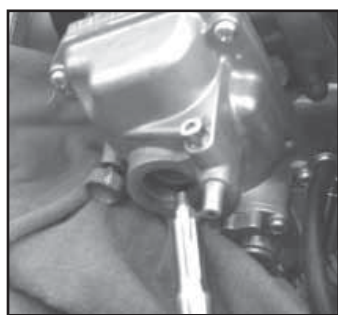
18. Remove the main jet.

NOTE: The main nozzle and main jet will sometimes come out as one piece.

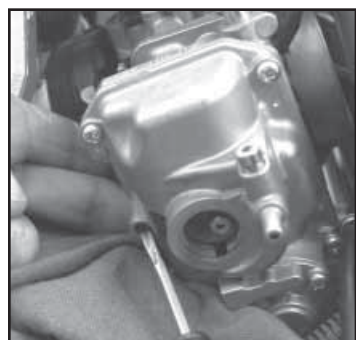


19. If the main jet and main nozzle come out as one piece separate them.

20. Install the proper main jet per the Main Jet/ Tuning Recommendation section.



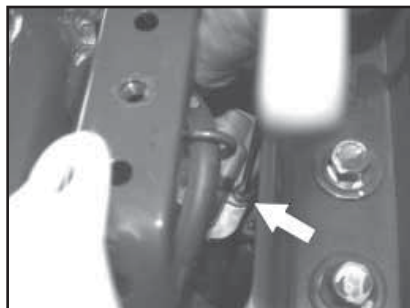
21. Reinstall the main jet and main nozzle.



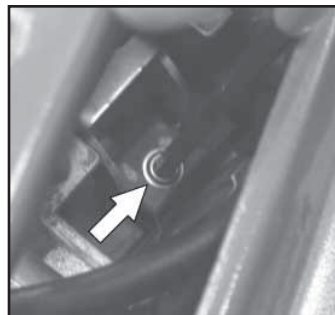
22. Locate the fuel mixture screw and turn screw clockwise until lightly seated. Now turn screw counterclockwise 2 full turns.

23. Reinstall jet holder hex nut.

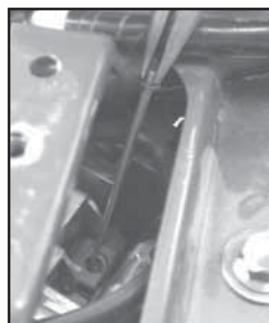
24. Put the carburetor back into the proper position. Reinstall the intake boot to the rear of the carburetor and tighten clamps from steps 12 and 13.



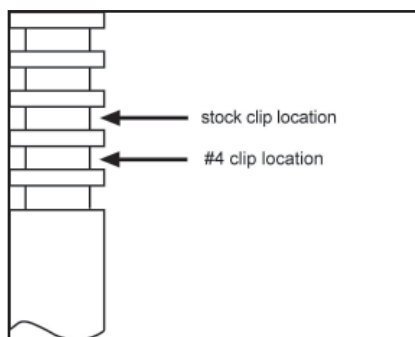
25. Locate and remove the needle cover bolts. Remove the needle cover.



26. Remove the needle adjust screw.



27. Remove the needle.

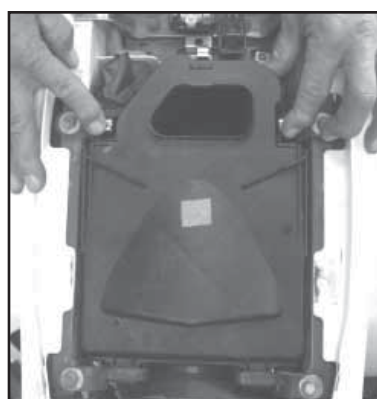


28. On a completely stock ATV move the clip to the #4 location.

29. Reinstall the needle and the needle cover from steps 25, 26 and 27.

30. Reassemble the ATV, following the steps in reversed order. Do not reinstall the seat at this time.

You are now ready to install the X-STREAM™ POWERLID™.



31. Remove the three air box lid retaining clips and remove the air box lid.

NOTE: If you are replacing the stock air filter with the K&N Air Filter part number YA-4504, follow the installation steps outlined on the instruction sheet.

WARNING: The ATV should never be run without the primary stock air filter or a K&N Air Filter part number YA-4504.

28. Install the X-STREAM™ POWERLID™ onto the air box using the stock retaining clips.

29. Reinstall the seat.

ROAD TEST:

Before starting the engine make sure all fuel lines are reconnected and tight. Turn the fuel petcock to the ON position. Put the ATV in neutral and 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 you nearest K&N dealer, or direct to K&N Engineering at (951) 826-4000.

MAIN JET / TUNING RECOMMENDATION

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 feet
Temperature	- 95°F
Fuel type	- 91 unleaded

The supplied main jet will work up to about 3000 feet elevation. The stock main jet should be used for elevations 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 air box cover typically requires increasing the main jet 3 steps and raising the needle one position.

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

Installing an X-STREAM™ POWERLID™ on an ATV with race exhaust, you may need to increase the main jet.

PARTS LIST:

Description	Qty.
POWERLID™	1
Main Jet #165	1
Drycharger Wrap	1

Product Available Separately

Drycharger; Part Number: YA-4504-TDK

PATENT #7,282,076

FREE K&N DECAL To register your warranty, please see us online at knfilters.com/register. FREE K&N DECAL

• 1455 CITRUS ST., P.O. BOX 1329, RIVERSIDE, CA., U.S.A. 92502 • TECH SERVICE 800-858-3333 • FAX 951-826-4001
• e-mail: tech@knfilters.com • WWW: <http://www.knfilters.com>