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Warning:

Please read below information before you use your new dirt or quad bike.

A lot of people have a hard time starting and running the Chinese ATV's when new and also when cold. Most of these come with a gel Pac in the Carburetor float bowl for shipping so it does not ruin the float during shipping. It is supposed to dissolve when fuel mixes with it. Many make the mistake of driving the ATV once started. This is a mistake. You must let it idle for at least **30 mins** for the gel to dissolve. If you do not do this you will risk the chance of clogging the jets and the initial adjustments will not work and it will not run right until all the gel is gone. Most of the time these will start with the movement of the choke then you can lightly feather the throttle to keep it running. If you can reach the idle screw you can turn it up till you don't have to feather the throttle. After about 30 min you can make the final adjustments. **CHANGE THE OIL BEFORE YOU RIDE!!!** These come with cheap shipping oil and **MUST** be changed or engine damage **WILL** occur.

The idle screw on the right side of the Carburetor is usually a Phillips head screw on the Carburetor with a spring around it. The air/fuel screw is the flathead screw usually on the left side of the idle screw. Here are some basic adjustments to get it started and to tune it once broken in.

The mixture screw had been set-up at the factory before shipment and should not have to be reset. If necessary, refer to the adjustment as below:

1. Make sure the air cleaner is clean.
2. make sure the choke lever is OFF while running once warm.
3. Warm the engine up for 3-5 minutes.
4. Turn the mixture screw clockwise until fully closed, and then turn the mixture screw 2 full turns out.
5. Adjust the idling screw until the engine idles **EASILY**.
6. Turn the mixture screw slightly clockwise and counter clockwise until the highest engine Revs' obtained.
7. Adjust the idling screw again until the engine idles **EASILY**.
8. Repeat the step of 6 & 7 till getting the best performance...

*ENGINE IDLES EASILY means:

The engine idling screw must be set correctly to get a



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slowest engine idle (1500 rpm - 1600 rpm), but does not cut out if you press the accelerator quickly.

Cold weather starting will need an additional adjustment to help aid the starting process.

Most of the manual choke Carburetor has an adjustable needle inside the Carburetor. Lowering the clip (raising the needle) you will be able to open the throttle and get more fuel into the intake quicker. This helps in the cold weather because the colder the weather the leaner the mixture is. You want richer in the colder weather.

- 1- Unscrew and pull the top of the Carburetor off with the cable and there will be a slide with the needle in the centre.
- 2- Disconnect the cable through a small slot in the side of the slide.
- 3- Now you can take the needle out from the slide.
- 4- The needle will have a very small e clip in a slot on the needle. The needle will have 5 slots. Lowering the clip is richer the and raising the clip will lean it out.
- 5- Put the clip on the lowest setting for cold weather. **DO NOT DROP THE CLIP!** They are very small and hard to find.
- 6- Reverse the process with installing the needle back into the slide, installing the cable, slide the slide back into the Carburetor and screw the cap tight.
- 7- Now make any adjustments as stated above in the Carburetor tuning.

8- Once the weather warms up you may need to lower the needle for the hotter temps or it will run too rich.

These steps will work on 99% of these ATV's. They are very hard to get running and people get upset when they turn the key and it does not run. Don't forget these are not set up at a dealer like the name brands so the most basic adjustments are done from the factory. These are built in china and the temps are hot so that's how the adjustments are done. As we all know in America the temps vary and these are not set at all for cold temps.

Hopefully this helps everyone with these concerns. These really do run good once tuned properly and with proper maintenance they will last a long time. And if you have any questions PM me and I will try to help as best as I can.

Good Luck!

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