

How to assemble + start the mini-atv for the first time

- 1) Hook up battery, and assemble the rest of the unit.
- 2) FOR WHEEL ASSEMBLY, the wheel spacer goes on first, then the wheel, then flange washer, then the castle nut (finger tight), then tighten the nut down further until you can insert the cotter pin through the hole in the castle nut and the hole in the axle, Insert cotter pin.
- 3) use dipstick to make sure that there is enough engine oil. Mini atv use regular oil 10W30. (110cc atv=has sight glass, no dip stick). Once it is broke in use 10w30 synthetic.
- 4) Loosen the bottom screw on the bottom of the carburetor to relieve the extra gas pressure. It allows the air to escape so that the gas can flow in and take its place . Then tighten this screw back up. This can often be the problem on 20% of the mini atvs that will not start.
- 5) do not use remote control for starting the first time. In fact we recommend that you never use the remote to start it because it drains the battery (also it takes off, idle speed makes it move when no one is on it).
- 6) Put gas in the gas tank. Use high 93 octane gasoline. Jets in the carb jets are very small and lower grade gasoline will clog them..
- 7) Make sure the throttle cable is pushed all the way into the top of the black rubber holder at the very top of the carburetor. Nut on top of the carburetor needs to be screwed down all the way down.
- 8) on models with the handle bar choke (slider) – turn on gas petcock (located on right side of carburetor, turn clockwise to on-it allows gas to fill the gas lines and the bottom of the carburetor). On models with carb choke- this is not necessary because there is no gas shutoff valve=petcock.
- 9) put the key in the off position, then on the remote push lock and then unlock, then push lock and then unlock a second time.
- 10) turn key to ON. To start the unit for the first time, you must use the key to start it. In order to use the remote start, the engine MUST be hot and the fuel lines must be full (will not cold start because you need to choke it anyway, defeating the purpose of the remote start)
- 11) Raise the back end of the unit up and put a block under the back end. This is a good position to have it in as you make adjustments while starting.
- 12) Fully choke the unit. We have two different models of chokes. One has the choke on the left handle bar (horizontal movement). The other has a vertical movement choke on the left side of the carburetor which is for models. This carburetor of course is up under the plastic body of the atv. To start the unit, it has to be choked (left handle bar choke- slider should be all the way to the left (fully choked), other type=Carburetor choke- slider should be all the way up (fully choked)
- 13) For models applicable -Set the left hand brake (pull back on the left handle brake lever) and then push red button (kill switch) on left handle grip=THIS IS OUR #1 Problem, because if you cannot start it and you continue to give it more and more gas = Flooding the engine and running too rich which then deposits BLACK carbon deposits on your spark plug making it very hard to start in the future. For the models -Set the left hand brake (pull back on the left handle brake lever) and push red switch forward on left handle grip (rocker switch). ON black models-turn the gas shutoff (on right side of carburetor) on (lever needs to be down).
- 15) When choke is on and you push the start button it will start up an almost immediately it will die. Then turn the choke off , then push start button and it will restart immediately and NOW work the throttle to keep it going while it warms up. (if you leave the choke up while running or idling you will FOUL your spark plug because you are too rich and the spark plug turns black).
- 16) after starting, Let it idle for 5-10 minutes.
- 17) Now you are ready to ride the mini atv.
- 18) Adjust maximum riding speed - When riding the atv, adjust the maximum speed control with the black long screw that sticks out of the right handle grip (see picture). When you loosen the screw, it increases the maximum speed, when you screw it in, it reduces the maximum speed. After adjusting the maximum speed to the desired setting, tighten the nut around the bolt tightly so that the bolt does not fall out. Also if the bolt is free to vibrate, it will change your maximum speed setting.