



QUICK TROUBLESHOOTING GUIDE

AN INTRODUCTION TO EASY-TO-DO TROUBLESHOOTING FOR THE MECHANICALLY INCLINED! REMEMBER TO ALWAYS CONSULT YOUR OWNERS MANUAL FIRST BEFORE ATTEMPTING ANY KIND OF OPERATION.

*DO NOT DISPENSE GASOLINE, OIL, OR ANY OTHER SUCH LIQUIDS IN ANY PLACE OTHER THAN PROPER CONTAINERS. CHECK TO SEE WHERE THESE CONTAINERS CAN BE DISPOSED OF IN A LOCATION NEAR YOU.

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1. PROBLEM: **MY SCOOTER WON'T START**

POSSIBLE SOLUTIONS:

- ✓ Was proper fuel added? (93 Octane Recommended)
- ✓ Is the key fully turned clockwise?
- ✓ If 2-stroke, have you added 2 cycle oil in the oil tank?
(Adding too much oil to the gas tank for break in can cause it not to start.
Do not add more than 40:1 ratio for first 500 miles if manual suggests.)
- ✓ **IS THE KILL SWITCH SET TO THE ON POSITION?**
(Must be in the circle position as shown in picture below.)
- ✓ Are you pressing the left brake handle while trying to turn on?

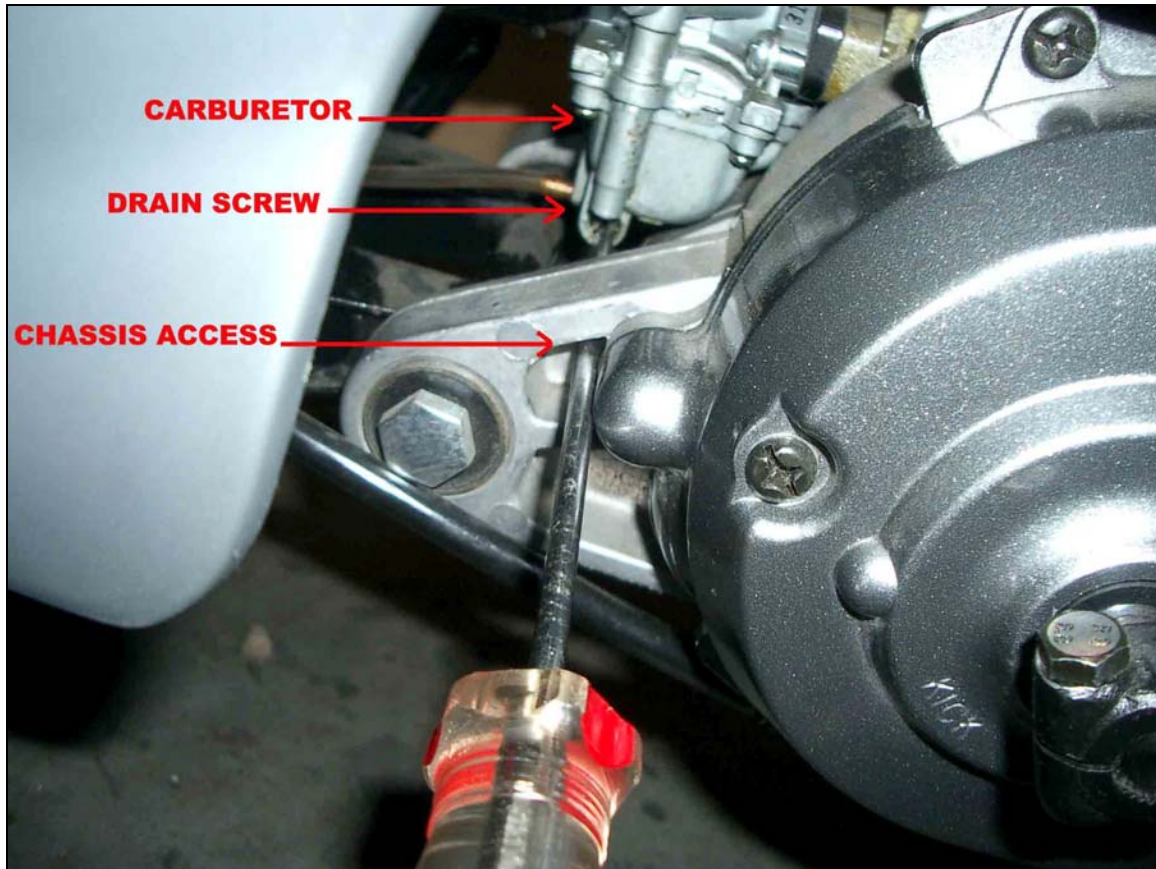


2. PROBLEM: **I AM GIVING IT MORE GAS BUT IT STILL WILL NOT START**

POSSIBLE SOLUTIONS:

- ✓ **DO NOT ACCELERATE WHEN STARTING UP.** If you have accelerated at startup, you have probably flooded the carburetor and must drain the carburetor by doing the following:
- ✓ Drain the carburetor by loosening the screw on the bottom bowl of the carburetor using a thin flat head screwdriver. You must access the screw through the chassis in most cases as shown in the following picture:

DETAILED PICTURE...



DIRECTIONS:

Loosen the screw so that it almost falls out and you will notice the gas* running out through a clear hose hanging from the carburetor. Drain onto a pan** and check to see if the gas has bubbles or is darker than usual. If it has bubbles, most probably there is moisture or water in the gas tank and you must drain the gas in the tank before going on. If the gas is dark, chances are you mixed 2-cycle oil in the gas tank at a ratio other than suggested. Drain the gas tank and just add high octane gasoline. Once you have drained the carburetor, tighten up the drain screw, check the check list for step 1, and kick start up to 15 times (hold the left brake handle while kick starting). This should get it going. If problem still remains, check below for other common problems that might be affecting startup.

3. PROBLEM: **I HAVE GONE THROUGH STEP 1 AND STEP 2 AND IT STILL WON'T START**

POSSIBLE SOLUTIONS:

At this point there are 2 options you have before taking it to a qualified mechanic.

1 - CHECK FOR SPARK

2 - CHECK TO SEE IF YOU ARE GETTING GAS FROM THE TANK TO THE CARBURETOR

- 1:** To check for spark, turn the key and make sure the kill switch is on the on position. Locate the spark plug and pull the spark plug cable off of the spark plug. Hold a screw driver to the inside cap of the spark plug cable and hold the metal part of the screw driver against another metal part of the scooter (like muffler) about 1 mm away from each other as shown in the following picture:



Have someone crank it either by electric or kick start. You should see and hear spark where the screw driver meets the metal on the scooter as shown here:

If you do not see spark, chances are you need a new coil assembly or stator. You can contact our parts department via email at parts@qingqiusa.com for more details.

- 2:** To check for gas, disconnect the fuel hose from the carburetor. There should be 2 hoses coming from the gas tank to the carburetor. Make sure you disconnect the gas hose and not the air/vacuum hose. Try cranking it via electric start or kick start. If gas does not come out, then your fuel pump is not working. Contact our parts department for correct parts for your model. If gas does come out, reconnect everything and take your scooter to your nearest service center for a more in depth analysis.

My lights do not work.	Check to see if your bulb is burned. If the bulb is OK, check under the front covers (top & bottom) and make sure all connections to wiring harness are fully pushed in and connected. Check fuse (usually located by the battery).
My horn does not work.	Check fuse. Horn might need adjustment. Access the horn usually by removing the front cover and either tap gently or use a screwdriver to turn adjustment screw located in the rear part of the horn.
My electric starter won't work.	Check fuse. Check connections to wiring harness. Check connections to starting motor usually located on top or underneath motor.
What kind of oil does the transmission use and how much?	If your scooters transmission is belt driven, leave it alone. If your scooter is chain driven, use 10-40 regular motor oil as suggested by your manual and fill up to correct level. Correct level is measured by unscrewing the screw located on the side crankcase where you kick start your scooter (in most application). You should see 2 screws one on top of each other. Unscrew the bottom of the 2 all the way and fill with oil. When oil starts to spill from the whole where you took the screw out, your level is full. DO NOT FILL PAST THIS LEVEL. Over filling will cause your scooter to run slower and you will ruin the transmission gasket. SEE THE PICTURE BELOW:



IMPORTANT: OIL PUMP WILL NOT WORK UNTIL THE REAR WHEEL TURNS. DO NOT IDLE FOR TOO LONG OTHERWISE IT WILL RESULT IN SEVERE ENGINE DAMAGE.

My scooter is running slower than usual.

Check previous step to make sure the oil in your transmission is not over filled.

Check to see if your air filter and air hoses are not clogged, bent, or obstructed.

Kick starter has no compression.

Tighten up the nuts located under the left side of the transmission near the back. You will see the brake cable that goes to the rear brake has a metal bar that engages the kick start when the left brake handle is pressed. You can see it move if someone presses it while you look. There are 2 nuts behind it that must be tight against the metal bar. Tighten all the way so that it presses against the bar and engages the kick start when brake handle is pressed. You should now feel compression when kick starting. The following picture shows exactly where to look for these nuts.



PROBLEM: THERE IS A RATTLING NOISE COMING FROM THE ENGINE

POSSIBLE SOLUTIONS:

STOP! Check your fan and fan cover (disassemble if necessary) and check to see if fan is broken. If it is broken, **DO NOT RIDE YOUR SCOOTER**. The fan is inexpensive to replace but if you drive it with a broken fan, you will burn the engine and it will cost you a lot more. If your fan needs replacement, contact our parts department for specific instructions.

PROBLEM: MY BATTERY DOESN'T SEEM TO HAVE CHARGE. CAN I CHARGE IT WITH A CAR CHARGER?

POSSIBLE SOLUTIONS:

ELECTRIC STARTING MAY CAUSE BATTERY TO DRAIN QUICKER THAN USUAL. IT IS SUGGESTED THAT YOU KICK START YOUR SCOOTER FOR EVERY INITIAL STARTUP OR IF YOU ARE HAVING TROUBLES TURNING IT ON. **BATTERIES ARE NOT COVERED UNDER WARRANTY**. To charge your battery you must remove it completely from the scooter and charge at low amps. Charging it while still connected to your scooter can cause your electrical system to burn and cost you much more. All scooters are equipped with a stator like charging mechanism that allows for maintaining charge while riding. If battery is too weak, it is possible that you need to replace your battery. For more details on battery replacement, contact our parts department.

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