



Start procedure

Some Swissauto owners do complain about the difficult starting of their engine. Mostly this can be avoided by following a simple strategy.

Before you begin, check the following:

1. **Is your battery fully charged?** If this isn't the case, the engine will not run quick enough to fire a spark. (Be aware that the spark of a 4-stroke engine is very difficult to see!)
2. **Does the carburettor get sufficient fuel?** If not, blow some air (low pressure) in the breather of the fuel tank so the fuel can flow true the pump into the floater chamber of the carburettor.
3. **What is the spark-plug gap?** Used in a Swissauto engine, the gap between the centre electrode and the ground electrode should be 0,5mm. (Sometimes it happens that the ground electrode is gone. The reason for this can be the use of a too warm spark-plug or driving a too lean carburettor setup.)

Once this done the engine should be started as follow:

1. Put on the choke
2. Pump 2 times with the throttle pedal (Now the acceleration pump will inject fuel into the intake)
3. Start the engine by pushing the starter button for max 2 seconds without accelerating. (If you start too long, the ignition curve alternates from negative to positive and the engine will generate a miss fire. If this happens the result is mostly a broken starter gear!) So

If the engine does not start immediately:

- Repeat step 1 until 3 without choke!

If the engine does not start after 5 attempts:

- Repeat step 1 until 3 with following variation on 3:
Start the engine by pushing the starter button for max 2 seconds with a minimal accelerating. (fix; do not pump with the pedal!)

Because every engine has its own carburettor setup, it is possible you need to try some more variations on the above, but for 98% of the engines this strategy will lead to success.

We wish you a lot of fun!