

How to make your own fly wheel puller.

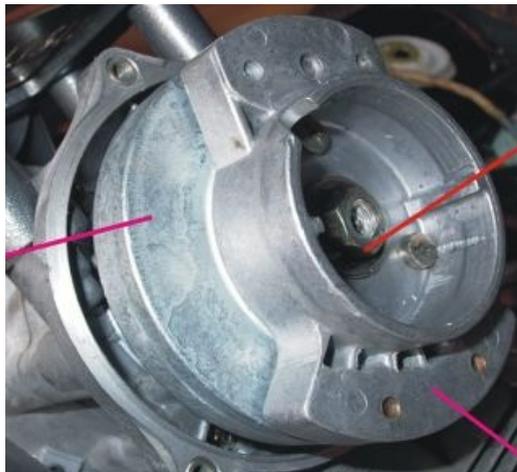
A flywheel is usually present on the Solo or Hirth engines (and most others) to ensure easier starting as it provides weight behind the magneto. We usually remove this heavy chunk of material with the aid of a fly wheel puller.

A few points to bear in mind.

1/ When undoing the nut on the end of the crank, the crank must be immobilised. Hold the flywheel still or insert a crank stop into the sparkplug hole. This jams up against the piston and immobilises it and hence the crank. Take care not to damage the spark plug thread by inserting anything sharp.

2/ A keyway usually exits on the side of the crank. Don't lose it and make sure the magneto slots into it when replacing it.

Flywheel



When removing this nut, the prop is held still or the piston 'jammed' in place in order for it to be undone. Take care when jamming through the spark plug hole that you do not damage the thread.

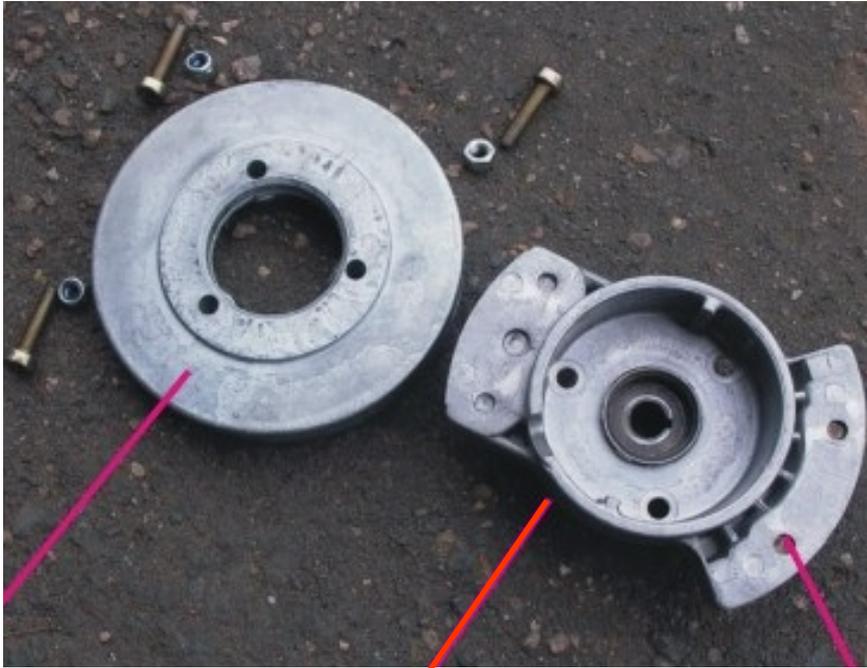
Magneto with Pick-up points



Other side of crank shaft from small pulley. Magneto, coil and flywheel have been removed. A keyway is usually present on this side of the crank. Ensure that the magneto is placed over it in place.

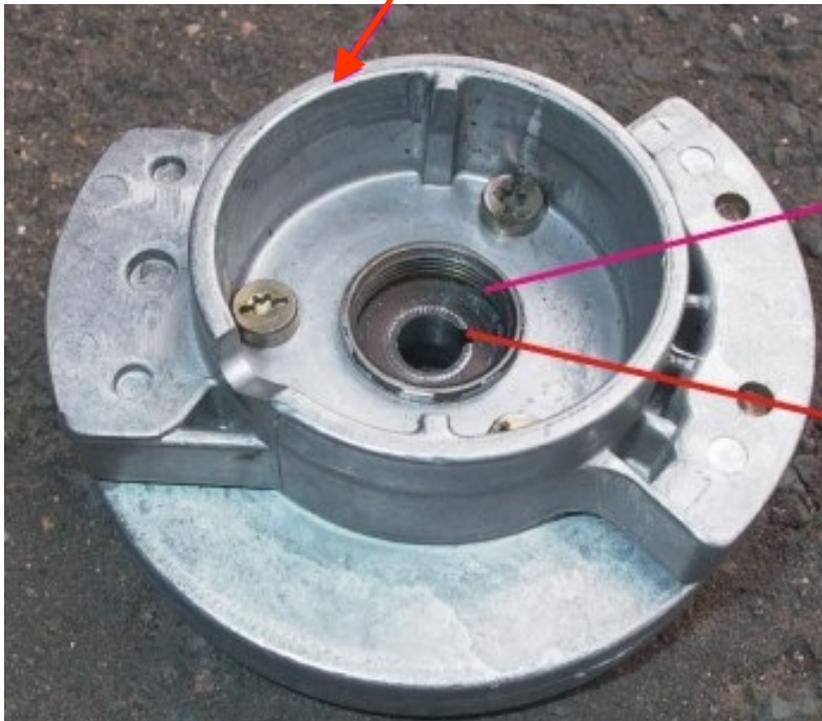


Replacing the magneto once flywheel has been removed to weight.



Flywheel

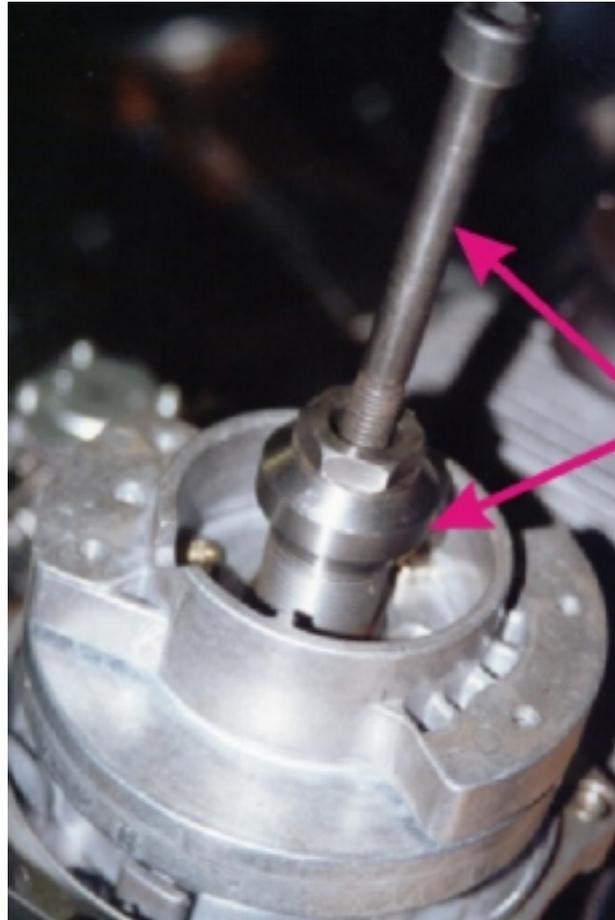
Magneto



Thread corresponds to thread on the end of the pulley puller

Keyway groove

Flywheel and Magneto Puller



Flywheel
Puller

This puller is screwed into the thread on the centre of the magneto (once the plastic electric housing and coil have been removed). The cap screw is then screwed downwards onto the crank. This then pulls the flywheel and magneto outwards.

Flywheel & magneto puller



10 by 120mm long cap screw

Cut hex to suite spanner

+ -24



120

Cut thread to fit the thread on the flywheel into which this will screw.

Flywheel & magneto puller

