



## **THOR250** MANUAL USUARIO PARAMOTOR

*Thank you for purchasing a PAP machine and trusting in our experience. This will let you achieve and experience flight in a very simplistic form and let those childhood dreams of flight become a reality. If you do not want this dream to become a nightmare then please read and understand fully the following recommendations about its operation and use. Enjoy your machine and always respect the flight rules.*



## INSTRUCTIONS WHEN RECEIVING THE THOR250 ENGINE

When receiving your paramotor with the Thor250 engine you will have to reinstall the radiator on his support tight in the 6mm bolt (**fig 1**).

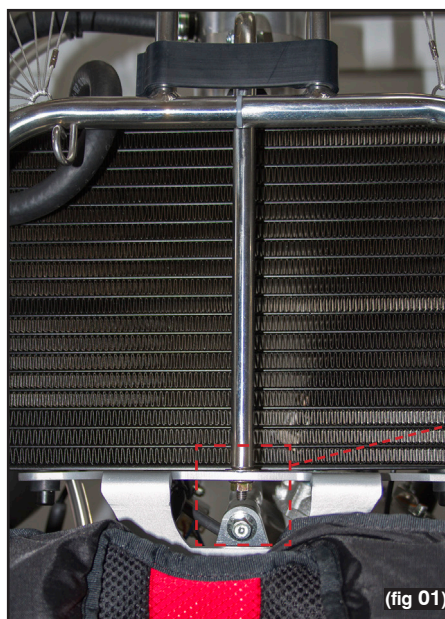
Then you will have to connect the long tube to the pump (**fig 2**) and the other one on the Top of the head cylinder (**fig 3**): take care not to loose or damaged the O ring gasket (**fig 4**).

Everything is connected so now you have to fill the circuit with aluminum radiator liquid which can be found in gas station and motorbike shops.

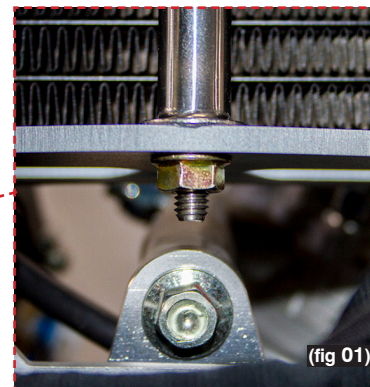
The amount is approximately 1,2 L.

You will have to fill until 1/3 of the small bottle (**fig 5**) which is on the top of the radiator.

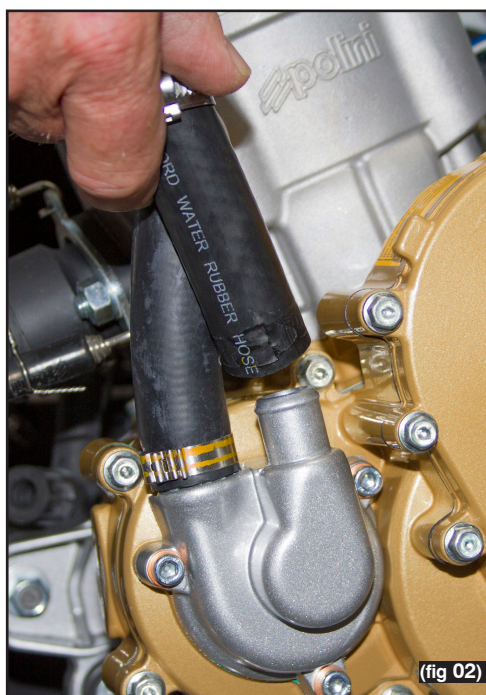
After starting the engine, open the bottle to control the cooling liquid level.



(fig 01)



(fig 01)



(fig 02)



(fig 04)

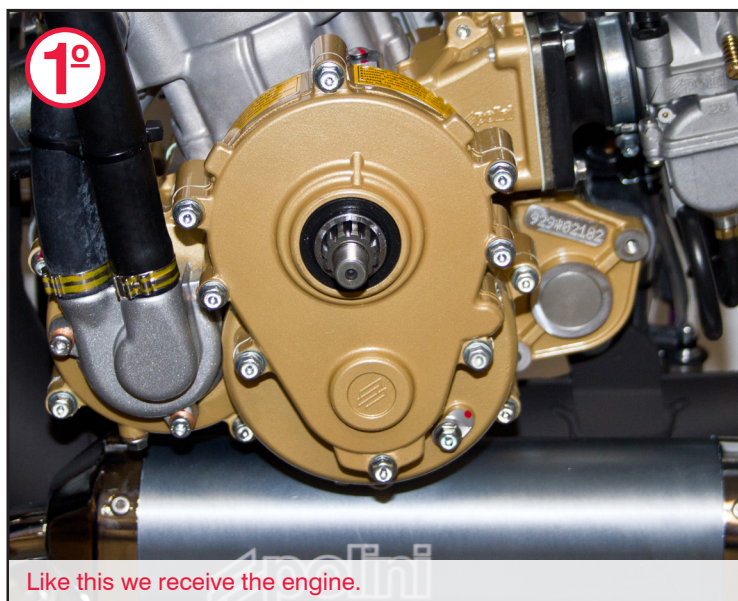


(fig 03)

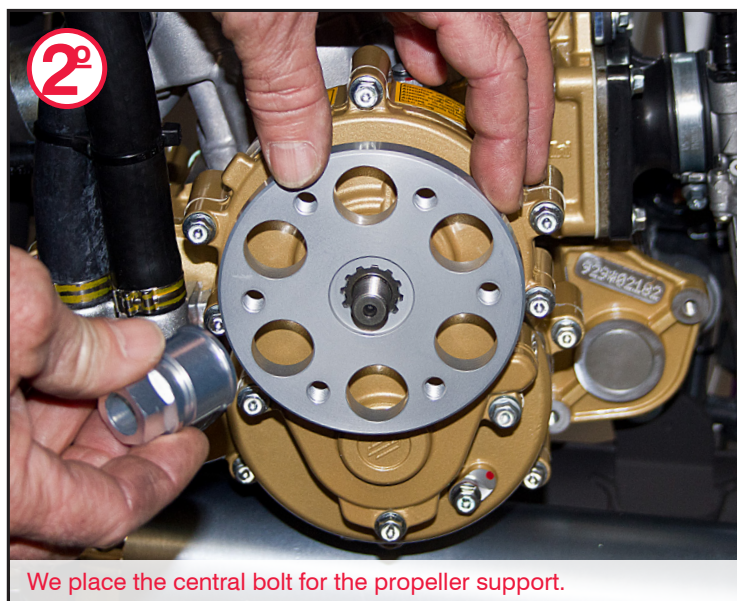


(fig 05)

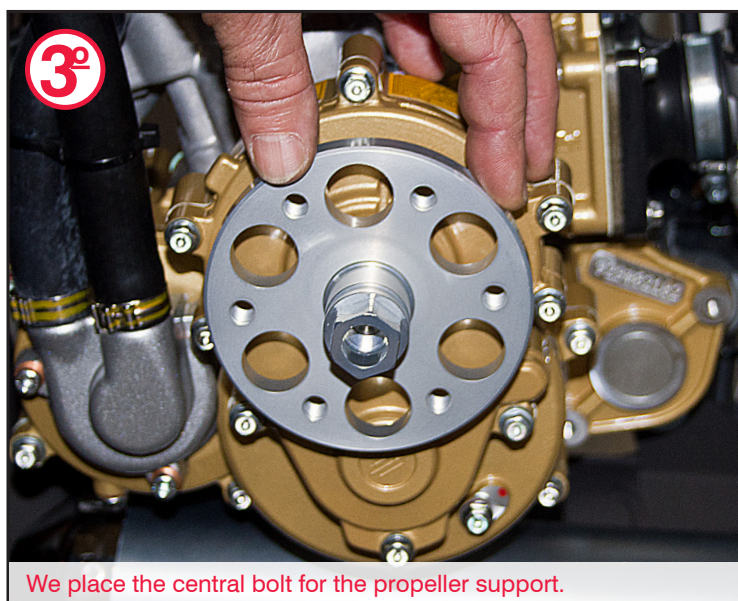




Like this we receive the engine.



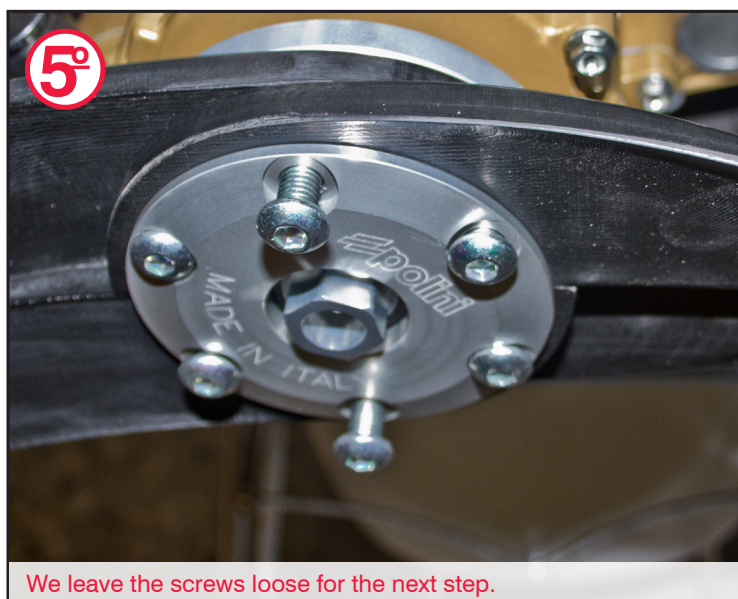
We place the central bolt for the propeller support.



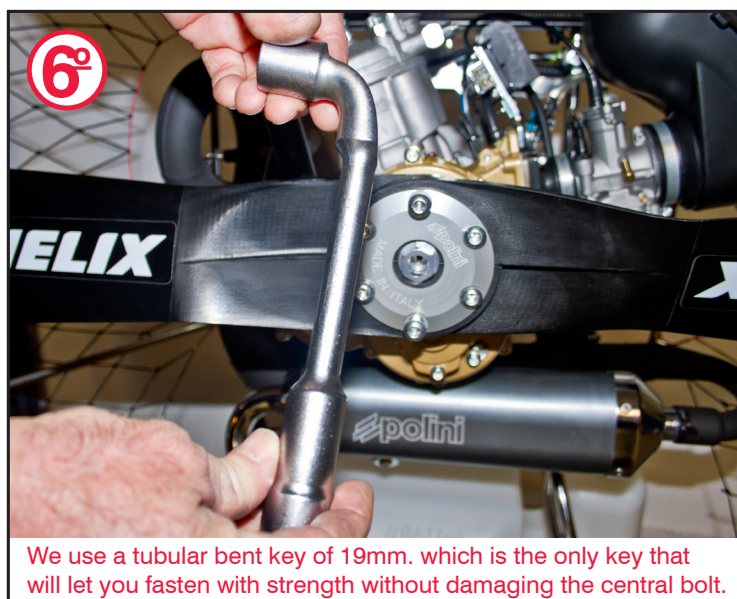
We place the central bolt for the propeller support.



We place the 6 propeller screws without tightening them.



We leave the screws loose for the next step.



We use a tubular bent key of 19mm. which is the only key that will let you fasten with strength without damaging the central bolt.





Fasten **\*anti clockwise** while we hold the propeller with our other hand.



Fasten the 6 screws of the carbon propeller at 0.8 Kgm (8Nm).





Ready for flight. Its normal that there is small space no bigger than a millimeter.





Serial number of the Polini engines

### THOR200

-  The tightening will be **clockwise** for the engines with serial numbers from 783 to 1591.
-  The tightening will be **anti clockwise** for the engines with serial n° 1592 onwards.

### THOR250

-  The tightening will be **clockwise** for the engines with serial n° until no1689.
-  The tightening will be **anti clockwise** for the engines serial n° 1690 and onwards .



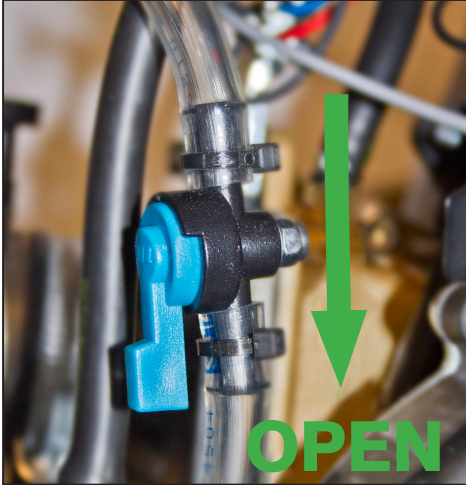
DO NOT USE ANY OTHER KEY TO FASTEN FOR NOT DAMAGING THE CENTRAL BOLT AND BE ABLE TO TIGHTEN WITH STRENGTH.



3

## GASOLINE TAP

ONLY IN ENGINES WITH FLOAT CARBURETOR ( THOR80 / 200 / 250)



CLOSE WHEN TRANSPORTING THE PARAMOTOR IS LYING DOWN.

4

## WATER RADIATOR TEMPERATURE SENSOR



If you have the option of the TTO for liquid temperature, you will have to connect the plug after installing the radiator.

5

## STARTING TECHNIQUE WITH FLASH STARTER.

These starters are a little more fragile than the conventional starters if not used correctly.

The strong dry pull is absolutely prohibited the movement should be a stretch of the arm in two times.

Pull the pulley slowly until bringing the piston to its point of compression, let the pulley go back and immediately pull the pulley to unroll completely. It's possible to have to repeat this various times for the engine to start.



**See manual of the Polini Thor 250**

For information about the running of the engine, fuel recommended, reductor oil, maintenance, warranty, etc.