

Update Kit ThoriX

Polini hat das Kühlsystem für den ThoriX verbessert. Dieses Kit steht kostenlos bei Fresh Breeze zur Verfügung. Der Einbau kann bei uns, eventuell beim Händler oder selbst durchgeführt werden. Arbeitsanweisung siehe unten.

Polini has improved the cooling system of the ThoriX. This Kit is available free of charge from Fresh Breeze. The installation can be done through Fresh Breeze or by yourself.

-- UPDATED KIT THOR 100 --

Polini Motori's technicians have made some small improvements to the Thor 100 engine.

To thank all those who bought the engine before the mentioned modifications, we have decided to send you a kit which allows you to add these improvements to your engine.

We kindly ask you to give it to your customers. The most important update is about the cooling, for which a fan with little bigger dimensions has been manufactured.

Furthermore, a hole has been added to the air grill, to improve the heat dispersion.

We use the occasion also to let you have some suggestions to keep your engine in good conditions and to kindly ask you to make a little check on it.

We recommend using only gasoline with 98 octanes, unlike what indicated in the manual, since we realized that some kind of gasoline, with a lower number of octanes, can damage the engine.

INSTRUCTIONS

Dismantle the engine from the frame; remove the starter and both sides of the air grill.

Remove the fan and, with the help of an extractor, take off the 4 zinc-coated bushings from the fan. These ones will be inserted in the new fan.

WARNING

Owing to our mistake during the assembly, the ignition flywheel was assembled with a tightening torque inferior to what needed (as moreover mistakenly indicated in the use and maintenance manual). In some cases this fact could cause a wrong coupling on the cone between crankshaft and flywheel, starting a vibration which can compromise the crankshaft's stability.

If the engine has been used for some time, unfortunately it is not enough to lock the nut, but it is necessary to grind the crankshaft's cone to smooth over the eventual imperfections, originated from the vibrations.

Remove the flywheel, using the extractor part number 928.695.002 (picture 1). Screw the 3 screws, placing the 3 spacers between the extractor and the flywheel.

We suggest your using an air pistol to screw the central screw of the extractor.

Once the flywheel removed, take off the key, with the help of a screwdriver.

Get some smooth polishing paste for valves and put a small quantity of it on the crankshaft's cone; then place the flywheel on the crankshaft and let it turn to smooth over the contact surfaces.

Execute this operation for some minutes, verifying that the polishing paste is well distributed on the whole contact surface.

Before assembling the flywheel, clean both the crankshaft' and flywheel's cones, then place the key and the flywheel. Lock the nut with a tightening torque of 70 N.m (7 kgf.m).

Assemble the new fan, re-placing the studs and the ignition engage ring, taking care of the teeth direction (picture 2)

Remove all the ant vibration rubbers from the cylinder (if present) or the rubber glued on the air grill, since the will be of no use, after the modification.

For the new fixing of the air grill, it is necessary to replace the 2 head nuts (the ones on the side turned towards the propeller), following the right sequence: unscrew one head nut and then immediately screw the new one, using the dynamometric key at 14 N.m (1.4 kgf.m). Replace the following nut, locking it with the same tightening torque. We suggest to verify the right lock of the other two nuts. At this moment, re-assemble the air grills, replacing the smaller one (propeller side) by the new one, which grants a better heat dispersion.

To fit the last one, further to the 4 screws, screw the 2 new screws in the related holes, using Loctite, type medium.

Re-assemble the engine. The last update is about the carburetor (picture 3): disassemble the carburetor upper cover and fit the spare parts, following the drawing.

