

EOS 150

upgrade to version EOS 150 ICI mod. 2019

parts and procedures



Parts;

- cylinder with piston and rings
- piston pin
- pin safety rings
- exhaust gasket, washers and nuts (alternatively bolts with washers and lock rings)
- cylinder head gasket
- cylinder bottom gasket
- cylinder head
- ignition coil ICI new type
- small shock-mounts with plastic washers and screws

Herewith we do not describe how to exchange cylinder and piston as in case of doubt please consult with a technician being familiar in maintenance and repair of Paramotors. For torque figures cylinder head nuts (and counter nuts!); 15NM

Step 1;

Dismount engine from frame.

Step 2;

Dismount Starter. Open the 3x Torx screws (use proper fitting and quality tooling not to damage the head!), they open hard(!) as they are glued with threadlocker (Loctite 243 blue - you may see specifications on the Internet). If necessary heat up screw and stud underneath with hot air blower as then they get opened very easy.

Step 3;

Dismount front Carbon cooling cover (all small Inbus screws), remove main back part Carbon cooling cover.

Step 4;

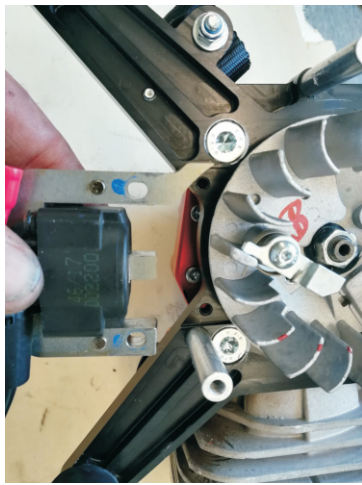
Remove spark plug. Dismount cylinder head, cylinder and piston.

Step 5;

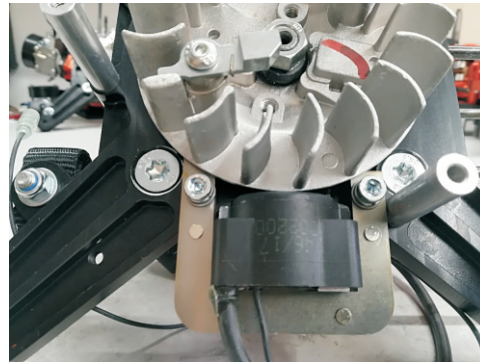
Mount new piston, new cylinder, new cylinder head. Insert spark plug again (it may be useful to insert a totally new spark plug).

Step 6;

Remove ignition coil. Reinstall new coil.



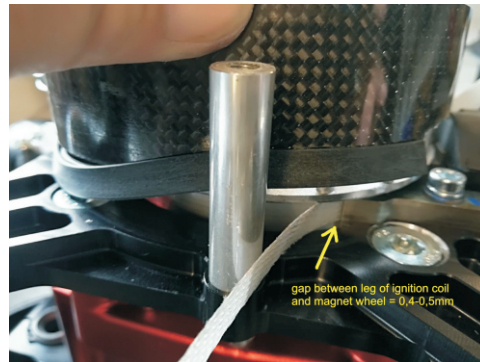
new ignition coil with
loading pole foot on
left hand side from top
view onto magnet wheel



mounted new coil
remark; glue screws
with Loctite 243 !



reference band to
adjust gap with width
of 0,45mm



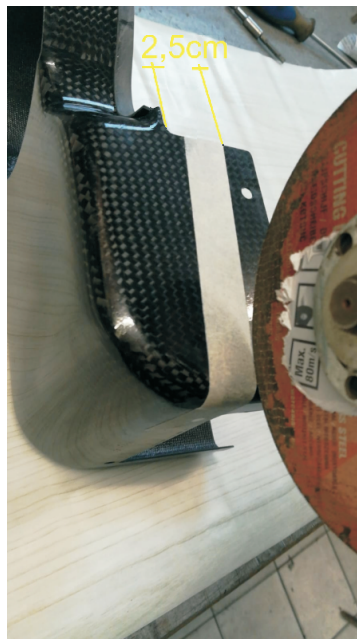
gap between leg of
ignition coil and
magnet wheel should
be in the range of
0,4 - 0,5mm

Step 7;
Modify main/back part of the Carbon cooling cover as per pictures shown. The front part is no longer needed!



cutting line

place part on table
as shown



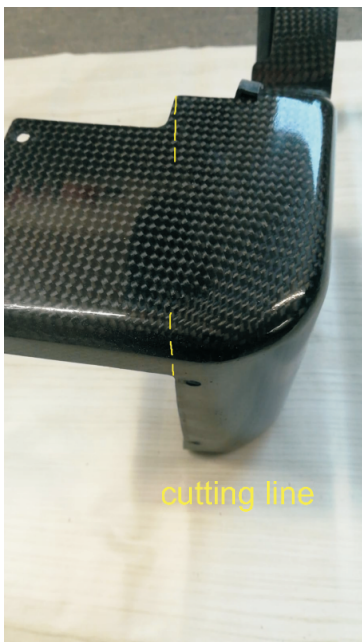
mark cutting line
with tape and cut Carbon
with angle grinder tool by
using a very thin(!) blade



part after cutting



part after cutting and removing tape



cutting line

turn part to prepare for cutting on the other side



mark cutting line with tape and cut Carbon with angle grinder tool by using a very thin(!) blade



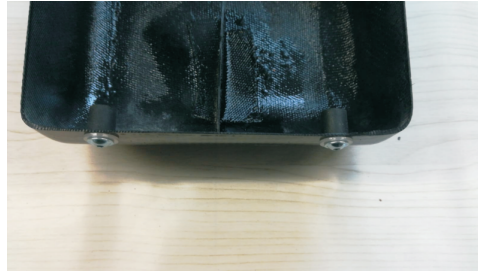
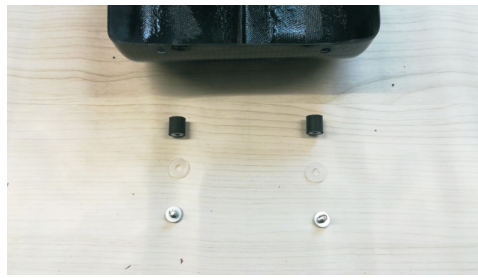
part after cutting



part after cutting and removing tape



clean edges with fine rasp (metal rasp) and thereafter paint edges with black marker pen



install small shock-mounts with plastic washers and screws as shown

Step 8;
Place modified cooling cover to engine on the back (as it originally was) and fix it in position by mounting the starter again. Well make sure that the 3 Torx screws are well tightened and secured again with Loctite 243 thread locker!

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