

MODEL DERBI DATE APRIL 2009 CIRCULAR Nº 255.362 PAGE 1 OF 2

866380 KIT TOOLS WATER PUMP EXTRACTION ENGINE 125 4T 4V

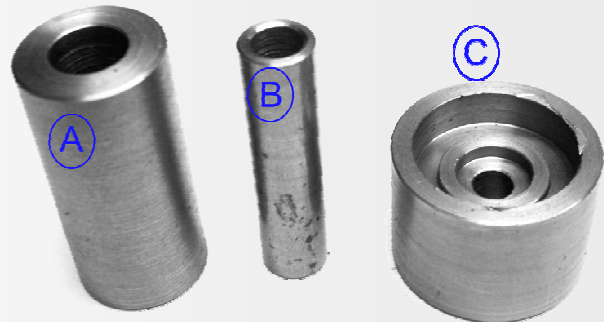
Dear dealer,

We are pleased to announce you that we extended our range of special tools. We now propose through our spare parts department, a set of punching tools ref. 866380 intended to change the seal or any component of the water pump on the 125 4T 4V gearbox engine.

Please find below the necessary steps in order to mount and dismantle this element. Please note that these tools need to be used with a press.

Kind regards,

After-Sales Service
Nacional Motor S.A.U-DERBI

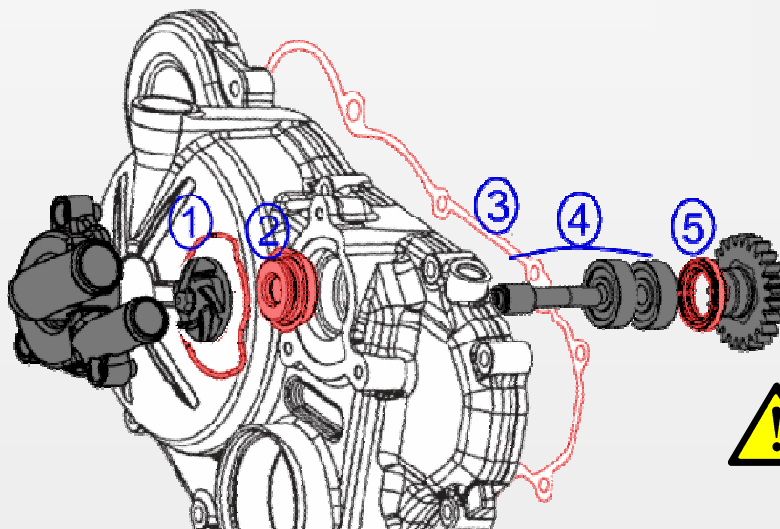


Spare parts references:

1. O-ring 871418
2. Seal 842595
3. Gasket 871557
4. Kit shaft/bearing 871372
5. Seal 82871R

The elements in red are to be changed in any case.

Inspect the ball bearings and the axle (871372), in case change them.



The assembly and disassembly need a press to conduct the work. Put grease on the elements to assemble them properly.

Steps to dismantle the water pump:

1. Take off the right hand lateral cover
2. Take out the water pump cover and the turbine (normal right turn wing)
3. Take out the axle and ball bearing with B
4. Take out the water seal with A
5. Separate all the elements of the axle



Steps to mount the water pump and the new seals:

1. Press the axle into the ball bearings with B, till the axle touches the surface, like the position showed on the 1st picture.
2. Mount the pre-mounted assembly (ball bearing and axle) till the inferior bearing touches.
3. Mount the oil simmering, insert it with a plate till the same level as the housing border.
4. Pose the pinion into the simmering. Push the pinion on the axle with B till arrested.
5. Mount the water seal, with C. Note that the pre-charge of its spring need to be adjusted by the distance between 2 surfaces of the tool.
6. Mount the turbine and the remaining elements.



Don't use any grease for the o-ring

