

Assembly instructions Meteor pistons and Caber piston rings

Installation direction:

The installation direction of the pistons is basically as follows:

The arrow (↑) points towards the exhaust, the smaller valve pockets are on the exhaust side (Figure 1).

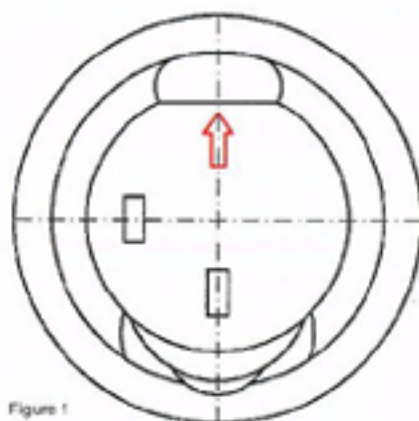
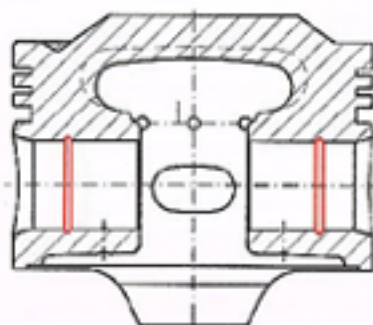


Figure 1

Image 2



Piston pin clips:

The Meteor pistons are equipped with two locking clips. Before installation, check the locking groove for chips or burrs, as these could prevent the locking clip from sitting firmly in the groove.

The piston pin clips with inner bracket can be inserted into the ring groove most easily using needle-nose pliers. The clips without inner bracket are inserted by hand with the open side

inserted into the groove and then pressed further into the groove. Please ensure that it is correctly seated!

Pistons should always be cleaned thoroughly before installation. Before assembly, a thin layer of oil must always be applied to the piston, the piston rings and also the piston pin. This makes assembly easier and protects the material.

When installing piston rings you should note the following:

The piston rings are marked "Caber" or engraved (Top C = top). The piston rings must then be mounted so that the marking can be read from above. The middle piston ring is a

so-called L-ring (piston ring is provided with a circumferential L-shaped nose). The following also applies to assembly: the label must be legible from above.



The assembly always begins with the oil control ring (picture 1), then the middle L-ring (picture 2) and finally the upper compression ring (picture 3).

Figure 1

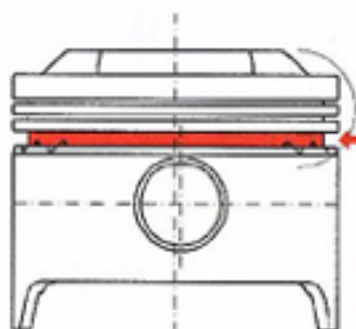


Image 2

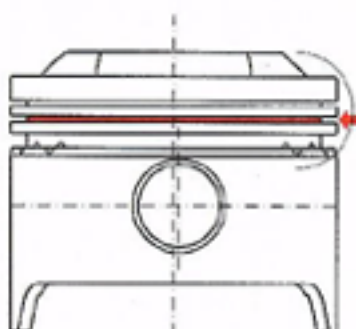
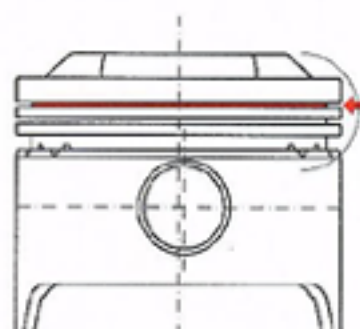


Figure 3



It is advantageous to use piston ring assembly pliers (item no.: 200002020). These prevent breakage of piston rings and the one-piece oil control rings. We recommend a

piston ring clamp (item no.: 500308004) for assembling the complete piston with piston rings in the cylinder.



200002020



500308004



During final assembly, please ensure that the best possible labyrinth effect is maintained by offsetting the piston ring joints; 90° or 180° offset is ideal.

Sensitive hands are an advantage during the entire assembly process.