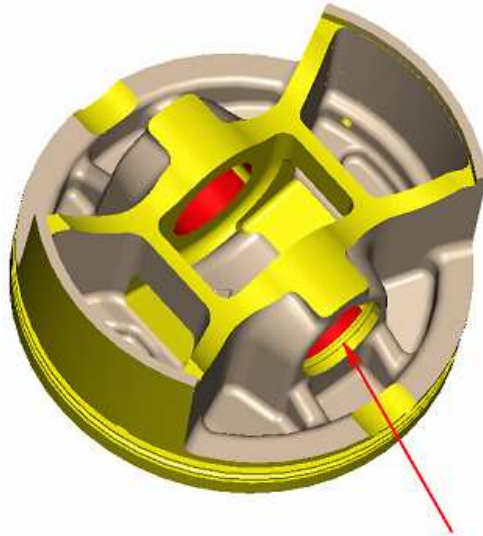


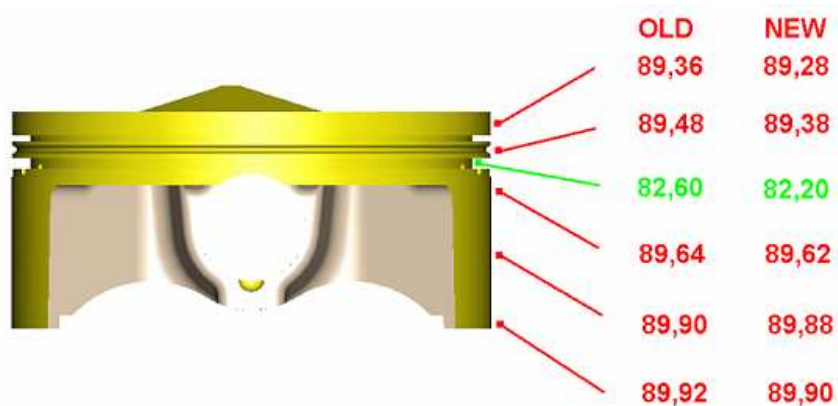


engine changes for 2009

larger clearance between piston pin and piston



defferent clearance on slide surface and grove depth



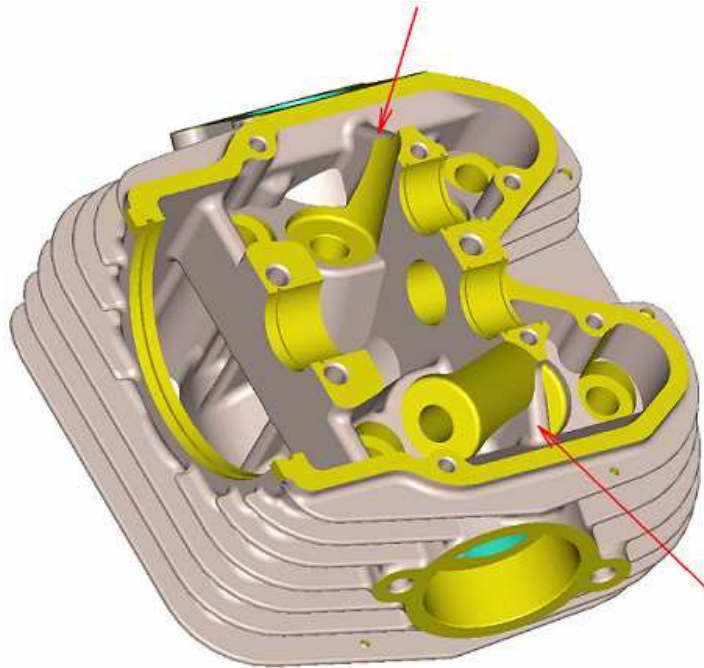
* Dimensions are on piston without coating. It means around 0,02 mm smaller.

These piston changes help pass overload and overheat situations without damaged and make piston not so sensitive for wrong carburator seting and spark plug number.



engine changes for 2009

Modified main rib between valves has lower stress than old one



- These changes are prevent against cast damaged and make new head more safety.
- Modified rib is placed on all new heads of our four valves engines.

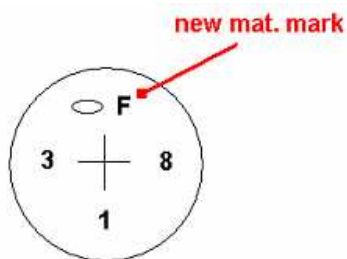


* Overloaded old head



engine changes for 2009

New more strength material for cranck pin



- On new cranck pins is used material with same quality of herdened surface but with 40 % higher core strength.
- New cranck pin is resistant against more sharp flywheel hole edge and pressing with big oversize.
- New material is used on all cranck pins for all our engines
- New mat. pins are marked on side by letter F



* damaged old cranck pin defected by sharp hole edge



engine changes for 2009

Custom cover



- This cover is around 250 g lighter than standard one
- You can put in 50 ml more oil and make lubrication better
- You need not any more new parts for replace



engine changes for 2009

We returned back to flat flywheels with pressed pins



- **dimensions are same like flywheels 889 - 12 - 501 (502)**
- **On flywheel is used stronger material be resistant against cracks between press holes**
- **Distance between holes give full volume 500 ccm**
- **standardly we support D 186 - 27,5 mm**