Pavia, 19/09/2016

ROK JUNIOR ENGINE MODIFICATIONS

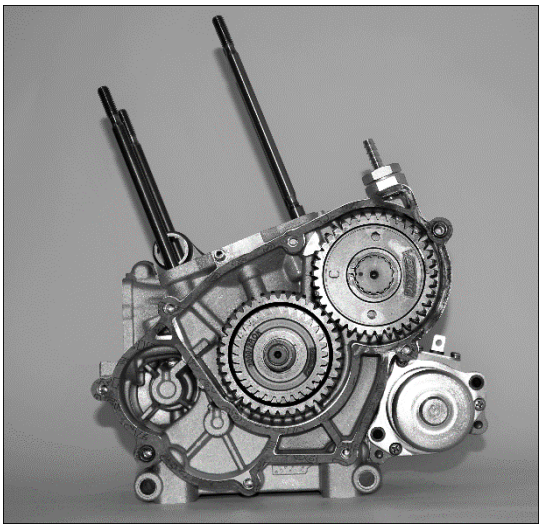
Dear Dealers
Here follow the technical modifications made to the Vortex ROK JUNIOR engine.
From now on, the ROK JUNIOR engines will be supplied as standard in the following configuration:
- External water pump
- Modified crankcase and without driving gears of the water pump

This new configuration has been added to the engine homologation fiche, however it does not replace the previous versions. Therefore, those who already own a ROK JUNIOR engine (with external water pump or with internal water pump) will be allowed to use it with the previous configuration or may decide to convert it with a little modification.

Here all the details.

- **CRANKCASE**

ROK JUNIOR ENGINE PROVIDED IN ITS STANDARD CONFIGURATION WITH EXTERNAL PUMP, WITHOUT DRIVING GEARS AND MODIFIED CRANKCASE (PICTURE NO. 1) - STANDARD SUPPLY
On this version the mounting of the internal pump will no longer be possible.
The amount of oil in the gear casing is 30 cc.
New configuration applied to the ACI-CSAI homologation technical fiche.



Picture no. 1

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ENGINE ROK JUNIOR OWNERS PRIOR TO THE ABOVE MENTIONED MODIFICATION CAN CHOOSE AMONGST THE FOLLOWING CONFIGURATIONS:

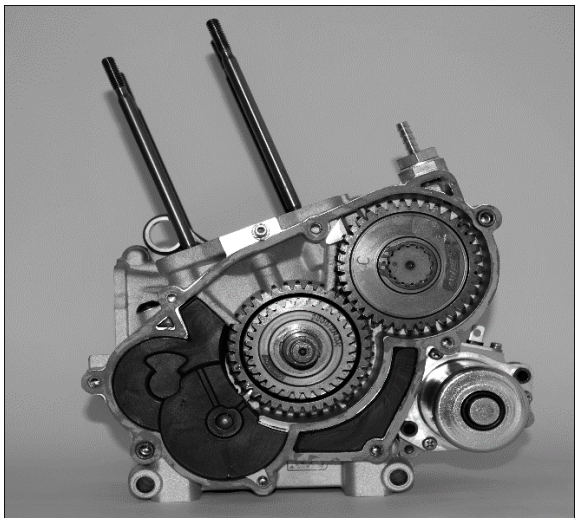
TYPE 1) EQUIPPED WITH EXTERNAL WATER PUMP WITHOUT DRIVING GEARS WITH RUBBER INSERT (PICTURES NO. 2 - 3)

You can remove the driving gears and insert a rubber insert specially designed to ensure perfect lubrication once the gears have been removed.

What you need:

- Rubber insert for closing the external pump casing, ref.no. W2033/ROK
- External pump conversion kit (if your engine is not already equipped with external cooling), ref.no. W2007 / ROKKIT.

With this change the amount of oil in the gear casing is 30 cc.



Picture no. 2



Picture no. 3

TYPE 2) EQUIPPED WITH EXTERNAL WATER PUMP AND WITH DRIVING GEARS (PICTURE NO. 4 – PICTURE NO. 5)

The ROK JUNIOR engine version with external water pump and driving gears is still admitted and reported in the ACI-CSAI homologation technical fiche.

Therefore, those who already own a ROK JUNIOR engine and wish to continue to use it with this setup can do so, while maintaining the sequence of gears as shown in the pictures and homologation technical fiche.



Picture no. 4



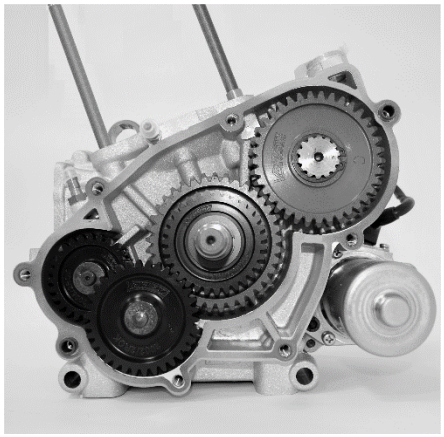
Picture no. 5 (as picture no. 3)

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TYPE 3) EQUIPPED WITH INTERNAL WATER PUMP AND CASCADE OF GEARS (Photo n ° 6)

The ROK JUNIOR engine version with internal water pump and with cascade of gears is allowed and reported in the ACI-CSAI homologation technical fiche.

Therefore, those who already own a ROK JUNIOR engine and wish to continue to use it with this setup can do so.



Picture no. 6

In summary

All of the ROK JUNIOR engine versions described above are allowed and reported in the engine homologation technical fiche.

From the end of September 2016, Vortex will supply as standard version the engine configuration with external water pump without driving gears and modified crankcase.

OTK M&C