

# BALL BEARING EXTRACTOR

## NOVA - REX - TOP

The bearing extractor is a tool that could be used to remove the bearing on all the NOVA, REX and TOP engines (check the different extractors on our website).

With the following instructions you will be able to remove, without any issue, both front and rear bearing of your engine.

### PRELIMINARY INSTRUCTIONS:

Before removing the bearings you have to:

- 1) Remove the backplate
- 2) Unscrew the cooling head and remove it
- 3) Remove gently the under head
- 4) Remove the piston / sleeve set
- 5) Remove the crankshaft

**ATTENTION :**  
Even if you only need to change the rear ball bearing you need to remove the front ball bearing.

### HOW TO REMOVE THE FRONT BEARING

Place the tool (A) inside the crankcase through the bearings until you can see the screw coming out from the front bearing. Screw the tool (B) on (A). Remove the front bearing screwing completely (B) onto (A). Once you feel a torque reduction in screwing then the front bearing is removed.



FIG.1

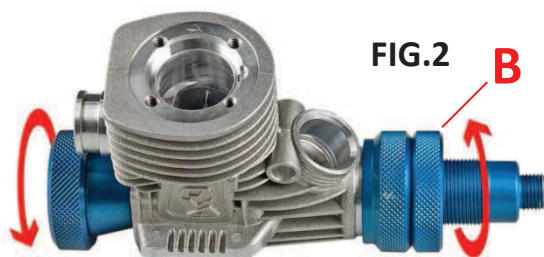


FIG.2



FIG.3

### HOW TO REMOVE THE REAR BEARING

After removing the front bearing you can remove the rear bearing. Place the correct pulling tool (C) on the tool (B). Insert the tool (B) inside the crankcase through the rear bearing. Insert the tool (A) with the cone placed on it through the crankcase's front bearing hole. Screw the two tools together. Screw the metal ring (D) until it reaches the crankcase. Screw the (A) holding the metal ring until you feel a torque reduction in screwing, then also the rear bearing is removed.

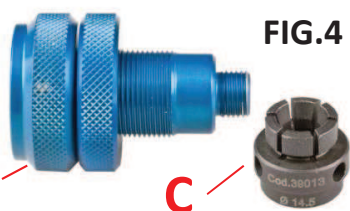


FIG.4

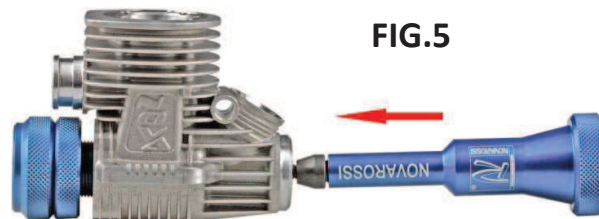


FIG.5

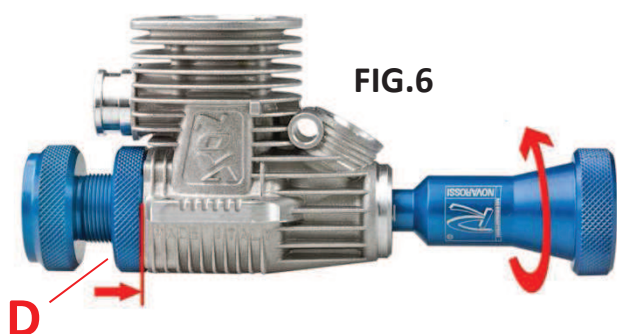


FIG.6



FIG.7