



**BOCA  
BEARING**

Miniature Bearings For Industry, Hobby & Recreation

# FISHING REEL INSTALLATION GUIDE

[www.bocabearings.com](http://www.bocabearings.com)

## CLEANING AND LUBRICATING YOUR BEARINGS

Fishing Reel bearings are generally supplied dry, without any grease or oil. But many Reel Repair shops still like to flush out the bearings to be sure they are completely dry. This is not a necessary step for bearings already supplied dry by Boca Bearings, but it is a good guideline for older bearings or bearings that already have a thick, viscous lubricant in them.

If your bearings have a metal shield on them, you do not have to remove the shield to clean them. If your bearings have a rubber seal then you should remove the seals according to the instructions on the back of this document. Doing this achieves maximum performance. Using our **Clean Touch** bearing cleaner, or any standard degreaser, fill a small glass cup or vial sufficiently to submerge your bearings completely. Place the shielded bearings, or the sealed bearings with the seals removed, into the solution. You can also use a small ultrasonic cleaner if you have one.

Soaking time may vary depending on whether you have grease or oil in your bearings or if you are using an ultrasonic, but a few hours of soaking should be more than enough. You can now either blow your bearings dry with compressed air or allow them to air dry for up to 24 hours. For maximum performance the bearings should be thoroughly dry. At this point you can spin test the bearing on an awl or any sharp pointed tool like our **Utility Tool**. If the bearings do not spin to your satisfaction you may need to repeat the cleaning and drying process.

To replace the **Orange Seals** on your bearing simply lay the seal on top of the bearing and press it down with the tip of your finger.



Install one seal at a time checking that neither seal diminishes the spin speed of the bearing. If either seal slows the bearing's speed, simply remove it, reinstall it, and check it again.

Because Boca Bearings Orange Seals are non-contact seals the bearing's speed should not, and will not, be any different when the shields or seals are properly installed.

Next step is lubrication. Fishing Reel bearings generally do not require a lot of lubrication if they are being used for casting. Trolling Reel bearings may require a thicker lubrication depending on the environment they are being used in. Be sure to not over-lube. Over lubricating will kill the bearings performance in a casting reel. Use a light drop of a low viscosity lubrication such as our **High Speed Oil**. For a thicker lubrication you can also use our **Reel Power** or **Grease Power** lubrication. If you are using a shielded bearing or an orange seal bearing you can apply the oil to the bearing with the seals/shields intact. If you are using a contact sealed bearing or grease you will need to remove the seals/shields to apply the lubrication.

### OTHER PRODUCTS MENTIONED HERE:

- Clean Touch,
- Utility Tool,
- High Speed Oil,
- Reel Power,
- Reel Grease Power.



Clean Touch



Utility Tool



High Speed Oil



Reel Power



Reel Grease Power

Tips & Advice >



## TIPS & ADVICE FOR REMOVING SHIELDS / SEALS

### REMOVING SHIELDS (C CLIP)



1 Move an awl or dental tool around the inside of the outer race to locate the end of the c-clip.



2 Pry up one end of the c-clip.



3 Completely remove c-clip.



4 Wedge your tool against the edge of the remaining shield.



5 Completely remove shield.

### REMOVING SHIELDS (FIXED)



1 Using an awl or dental tool gently pierce a small hole into the shield as far toward the outer diameter as possible.



2 Place bearing on flat surface.



3 Insert tool into puncture hole.



4 Slowly pry shield from bearing.



5 Completely remove shield.

\*Fixed shields cannot be put back on once removed.

### REMOVING SEALS



1 Using an awl or dental tool locate the inside edge of the outer race.



2 Gently wedge the tool under the edge of the seal.



3 Completely remove seals.

### PROPER SPIN TEST

View the spin test online by going to <http://tiny.cc/471yr>

To spin test your bearings after cleaning you must spin them under load. The bearing does not have sufficient mass to free spin for an extended period of time without a load attached to the bearing.

BOCA BEARINGS

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