

# SHIMANO® Maintenance Tips– Round Baitcasting Reels

Shimano® reels, when properly maintained, provide years of dependable high performance. Below are a few simple steps to help keep your Shimano® reels in top condition, as well as, preventative measures to avoid costly repairs.

**List of tools that may be needed for service:**

**Tools:** Small Flat Head Screwdriver, Small Phillips Head Screwdriver , 10MM Nut Driver or Shimano® Wrench

**Lubricants:** Shimano® Bantam™ Oil (BNT1445), Shimano Drag Grease (A-DRA1/4)

**Cleaners:** Cotton Swabs, Isopropyl Rubbing Alcohol, Tooth Brush, Paper Towels or Rags

**Schematics:** All Shimano® reels come with schematics, however, they can also be found here:

[http://fish.shimano.com/publish/content/fish/sac/us/en/customer\\_service/reel\\_schematics.html](http://fish.shimano.com/publish/content/fish/sac/us/en/customer_service/reel_schematics.html)



Tools and cleaning materials recommended to service reel. Some Shimano® reels come with Bantam™ Oil. These simple tools are readily available at hardware stores.



Access the spool assembly on Shimano® Calcutta® and Calcutta B® via thumbscrews located on right side plate. Remove spool assembly



Using cotton swabs and/or a toothbrush with isopropyl rubbing alcohol, clean the exterior of the reel.



Clean levelwind system of dirt, debris and old grease. Apply 3 drops of Shimano® Bantam® Oil to levelwind. On heavily used reels, Shimano® Drag Grease may be used also be used.



Inspect and clean spool assembly. Check spool shaft bearing or bushing for rust, corrosion or damage. Apply only 1 drop of Shimano® Bantam® Oil to spool shaft bearing or bushing.



Clean and oil VBS® Brake Collars to maintain optimal casting performance. Inspect collars for wear and tear; replace accordingly.



Remove Cast Control Cap. Inspect bearing, spring and O-ring for wear and tear. Clean Cast Control Cap and apply 1 drop of oil.



We recommend using only 1 drop of oil on the spool bearing. Excess oil will find its way into the drag system, adversely affecting its performance.



**Important note:** When reinstalling Right Side Plate onto reel, please make sure that the Thumb Bar is held in the “up” position. Otherwise, the clutch will not work.

**Heavy Duty Maintenance: Recommended for reels that have had extensive saltwater exposure and/or those that have been submerged in saltwater.**

Lightly rinse reels with freshwater using a spray bottle. Avoid excessive water from a high pressure source as this may push salt and/or debris inside the reel. Wipe down reel with a rag or towel after rinsing. This is also good practice after every fishing trip.



Begin by removing handle assembly using small screwdriver. Thereafter, remove handle nut with 10mm nut driver.



Remove star drag and drag spring washers. Note the order in which the washers are assembled to ensure proper reassembly.



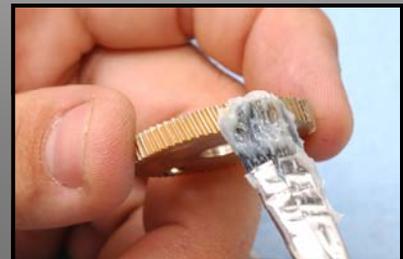
After removal of right side plate screws, remove right side plate.



Remove yoke springs, pinion gear, yoke and drive gear with drag washers.



Clean parts with isopropyl rubbing alcohol using a toothbrush and/or cotton swabs.



Use Shimano® Drag Grease to lubricate drive gear. Fill the threads half way around with grease.



Order of drag washers: Carbon (big hole), metal (keyed), carbon, metal (eared), carbon and thick metal key



**Lightly** grease drag washers. Too much grease will reduce the maximum amount of grease that the reel will produce.



Reinstall drag washer one by one to make sure that they all go in place properly. Handle drag washers with care!



Reinstall yoke, pinion gear, yoke springs and roller clutch inner tube.



Reinstall right side plate and right side plate screws. Make sure that the drag spring washers and spacer are in the correct order:



Reinstall star drag, friction washer, handle assembly, handle nut and handle lock plate.