

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 , 11MM 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.



Remove left side plate screws with a Phillips or flathead screwdriver. Take extra precautions to select properly sized screwdrivers to prevent stripping screw heads.



**Drive Shaft Bearing**

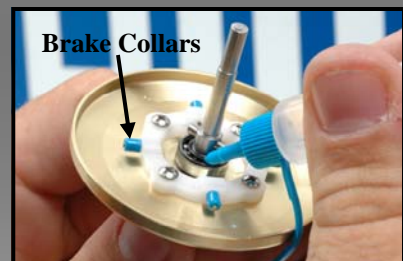
Remove spool assembly. Use Shimano® Bantam™ Oil to lubricate drive shaft bearing or bushing.



Clean exterior of reel with isopropyl rubbing alcohol and cotton swabs or toothbrush. Shimano® Bantam™ Oil may be used on the reel foot to prevent corrosion.

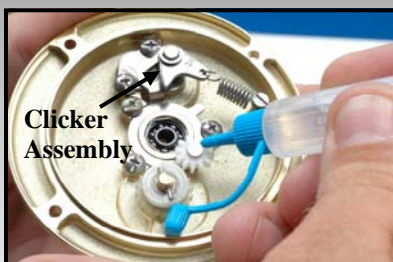


Inspect and clean spool assembly. It is highly recommended that fishing line (especially braided line) be removed from the spool at least once a year to prevent spool corrosion.



**Brake Collars**

Oil spool bearing and brake collars. **Note:** Do not grease spool shaft, as it will affect freespool adversely.



**Clicker Assembly**

Check left side plate spool bearing for rust or wear. Oil bearing and idle gear. Apply a light coat of grease to clicker assembly to pre-



Reinstall spool and side plate. General maintenance is now complete. For further maintenance on reels that have had extensive usage, or excessive exposure to saltwater, please refer to the next page.



**Drag Upgrade Kit**

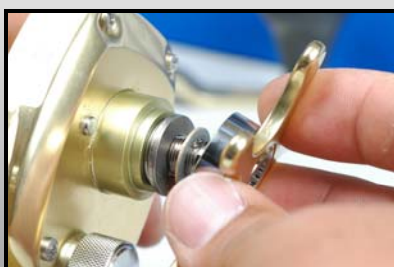
**Note:** Shimano® is also offering a free drag system upgrade on **Trinidad® 16N, 16, 20, 30** and **Torium® 16, 20 and 30** to anglers who need more drag range. Please contact customer service @ **1-877-577-0600**.

**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.



Use a small Phillips or flathead screwdriver to remove handle as-



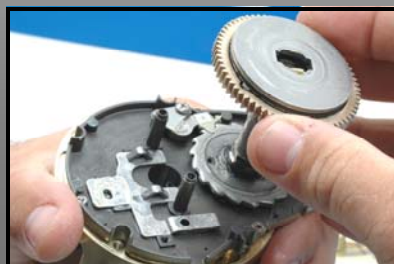
Use an 11MM nutdriver or wrench to remove handle nut. Thereafter,



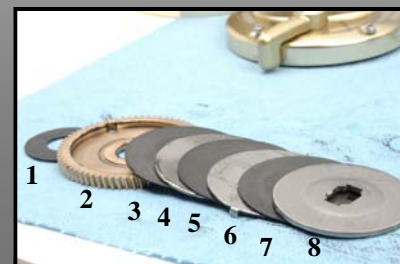
After removing star drag, exercise caution, as the drag clicker pin may pop-out.



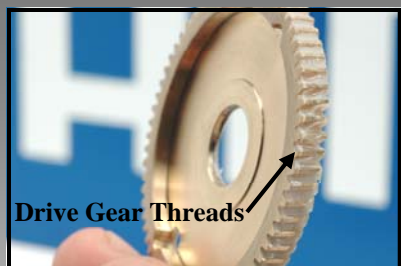
Remove right side plate. Be careful not to lose yoke springs as they may fall out.



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



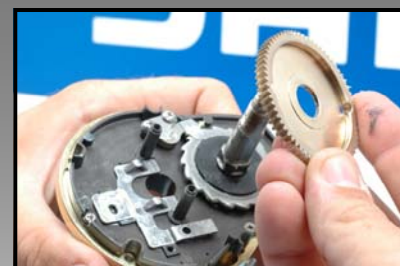
It is good practice to lay drag washers out in sequence in order to facilitate easy reassembly.



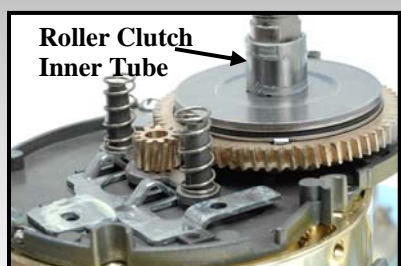
Clean drive gear and apply Shimano® Drag Grease onto drive gear threads.



Lightly apply Shimano® Drag Grease on drag washers. Excessive grease will adversely affect maximum drag pressure.



Reinstall drag washers and drive gear.



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



To reinstall click pin, push click pin down and use the star drag washer to hold the click pin in place.



With the click pin held in place by the star drag washer, spin the star drag onto drive shaft. Use pliers to hold the shaft from spinning.