

# SHIMANO® Maintenance Tips– Two Speed and Single Speed Lever Drag Trolling 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 , Crescent Wrench or Shimano® Wrench (s)

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

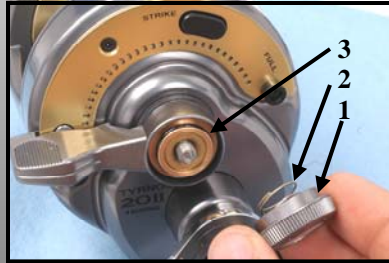
**Cleaners:** Cotton Swabs, Isopropyl Rubbing Alcohol, Tooth Brush, Paper Towels or Rags

**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 associated with maintenance.



Remove Pre-Program Dial (1), Dial Spring (2) and Lever Thrust Body (3)



Remove Drag Control Lever.



Remove Lever Quadrant Screws and Lever Quadrant.



For **Two Speed Reels**, remove Push Button Shield and Slide Plate.



For **Single Speed Reels**, Remove Handle Bolt Screw and Handle Screw with supplied wrench.



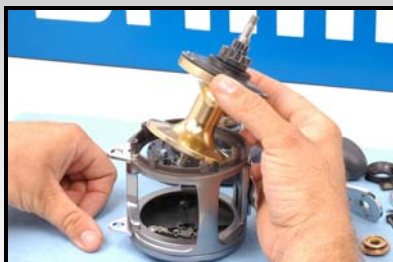
Remove Handle Bolt from **Two Speed Reel** with a crescent wrench.



Remove remaining Side Plate Screws and remove Right Side Plate Cover.



Remove Side Plate Screws and remove Right Side Plate.



Extract spool Assembly from Frame.



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



Remove Cooling Shield Screws, Pinion Gear (s) and subsequently 1 remove the Cooling Shield along with the Drag Plate.





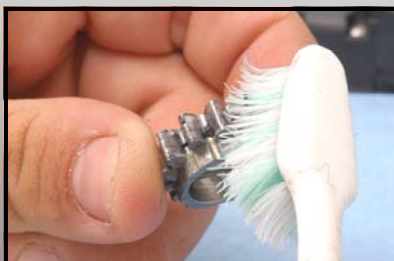
With the Cooling Shield removed, clean and lightly apply Shimano® Drag Grease to the Drag Washer.



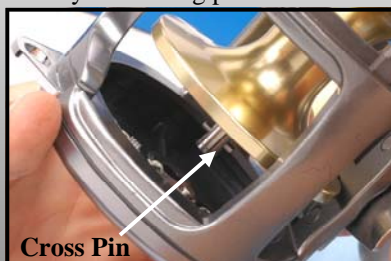
Check Spool Bearings for rust or wear. Apply only 1 drop on each bearing, as excessive oil will adversely affect drag performance.



Reinstall Cooling Shield, Drag Plate, Cooling Shield Screws and Pinion Gear (s).



Clean Pinion Gear (s) and apply a light coat of grease.



Reinstall Spool Assembly into Frame. Note Cross Pin.



Grease Bearing and oil Anti-Reverse dogs - (**Two Speed Reel**)



Remove Right Side Seal and Screws to access Drive Gear (s).



Drive Gear (s) can now be removed for cleaning and lubrication.



Clean Drive Gear (s) and Drive Shaft and lightly re-grease.



On **Single Speed Reels**, lightly grease Anti-Reverse Dogs.



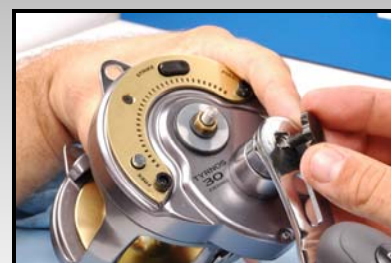
Reinstall Drive gear.



Grease Drag Control Lever with Shimano® Drag Grease.



With the Drag Control Lever in the freespool position, install the Lever Thrust Body. **Important:** Make sure that it is properly seated all the way down, or else Drag Control Lever will not move properly.



Reinstall Handle Assembly with supplied Shimano® wrench for **Single Speed Reels**, or crescent wrench for **Two Speed Reels**.



For **Two Speed Reels**, reinstall the Handle Bolt, Handle Bolt Plate, Slide Plate and Slide Plate Spring, followed by the Screw and Push Button Shield and Screws. Lastly, <sup>2</sup> check if the reel is shifting properly.