

Suverän S4000M



When this Suverän came to me it appeared to have a major problem-the spool did not move in and out when reeling the handle. As line lay is controlled by a worm gear and pawl I suspected that these were damaged. Overall the rest of the reel was in very nice working condition though.

As the reel was being opened up anyway it was given a full service. Start by removing the handle and spool.



Remove the nut at the end of the main shaft and remove the entire drag system. Put this to one side to be worked on later.



Note there is a rubber o-ring missing. Remove the rotor nut lock plate screw and the rotor nut lock plate.



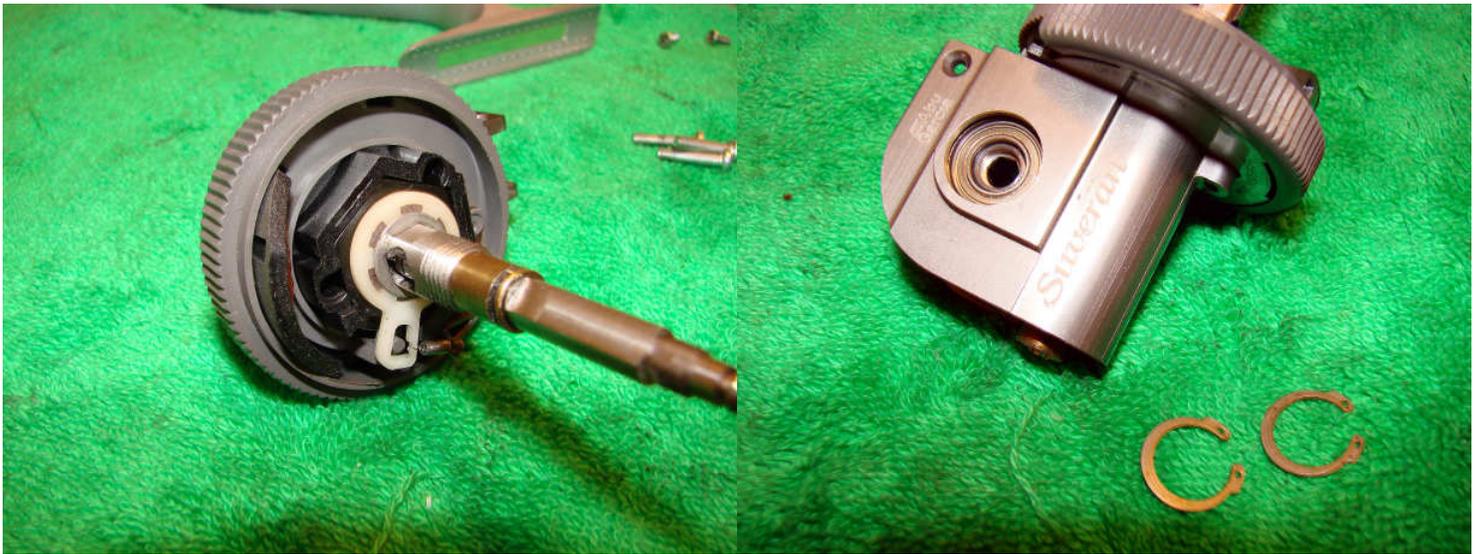
Undo the rotor nut and lift off the rotor.



This seems to be the problem with the lack of line lay-the pawl is missing completely. Remove the pawl holder and then remove the three screws holding the anti reverse selector to the body.



Undo the two screws holding the gearbox to the body (one either side) and then remove the screw securing the main shaft to the body.



The reel body and the complete anti-reverse assembly can then be removed. Remove the bearing circlips.



And then remove the bearings and main gear. The main shaft and pinion gear can then be removed.



Remove the main shaft from the pinion gear-note the damage to the worm gear on the main shaft (teeth on far right). It looks as though the pawl and worm gear were jammed at some stage-the pawl is the only part holding the main shaft in the body and it is likely that a combination of a heavy drag and low stretch braid caused this problem.

The worm gear can be touched up with a needle file and replacing the pawl assembly should have everything working again.



Clean and then lubricate all the bearings with a light grease (I use liquid grease). Grease the pinion gear and the main gear and then replace in the gearbox.



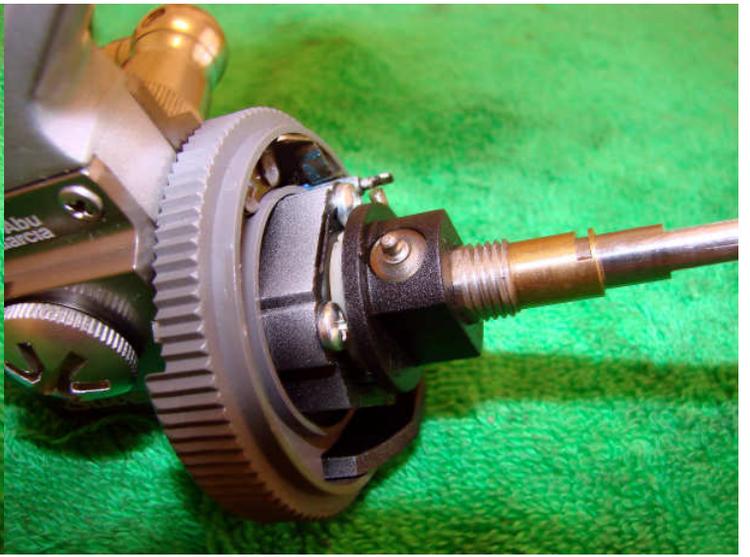
After cleaning and lubricating the bearings replace them in the gearbox and fix in place with the circlips. Replace the gearbox in the reel body and replace the two screws holding it in place.



Grease the threads on the shaft nut and then replace. Replace the anti reverse assembly on the gearbox



and replace the three screws to fix it in place.



These are the replacement parts-pawl, pawl sleeve and pawl spring. These fit in the pawl holder that sits on the pinion gear. Before replacing the pawl assembly, lightly grease the main shaft (liquid grease or heavy oil) and slide it into the pinion gear. Then slide on the pawl holder and finally insert the pawl, pawl spring and pawl sleeve into the holder.



Replace the rotor (note that you have to line up the pawl assembly with a slot underneath the rotor). Replace the rotor nut, rotor nut lock plate, and rotor nut lock plate screw.



Remove the upper spool bushing (this contains the bearing and drag shield). Thoroughly clean the bearing and lubricate with light grease.



Separate out drag washers (left to right = bottom to top). Thoroughly clean the washers with a clean cloth soaked in lighter fluid. I don't have much faith in the drag shield and so I have greased the clean fiber washers with drag grease (Cal's drag grease). Replace the drag washers in the correct sequence and replace the upper spool bushing.

Replace the whole drag assembly back on the main shaft/rotor ensuring that it is seated properly.



Replace the nut and finally replace the spool ensuring that it clicks into place properly.

Double check that everything is working fine-I removed all of the line and then re-spoiled it to check the line lay. It is working very smoothly and line lay is perfect.

I was actually so impressed with this Suverän that when I found a new one for sale I jumped at the chance. It really is a pity that no spinning reels are made in Sweden anymore. The Suverän is a work of art and with some routine maintenance I can see my one being used well into the future.

Just be wary when using braided lines- low diameters, very little stretch and incredible strength can make it tempting to use small reels way outside the line strength class for which they were intended. This can be a recipe for disaster! Luckily for this reel the only part to fail was the pawl.

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