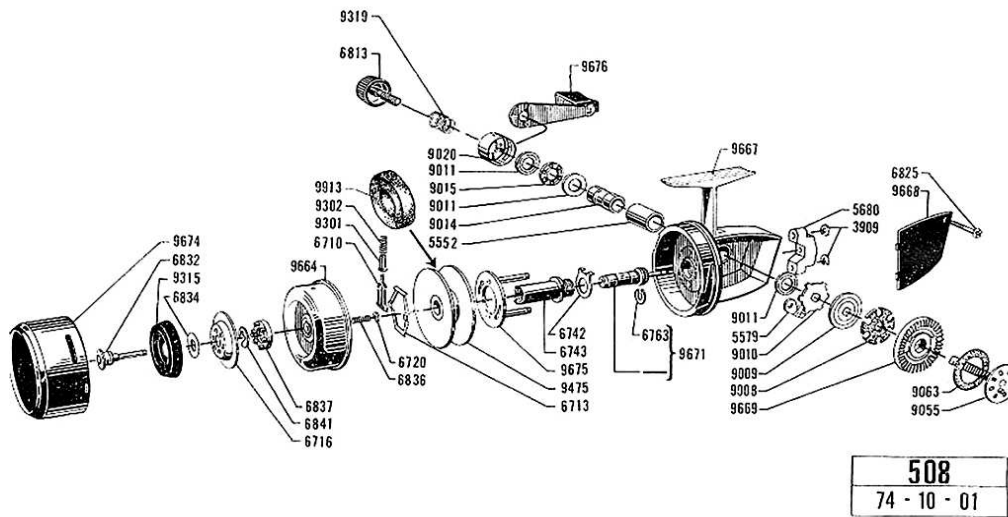


ABU 508 service



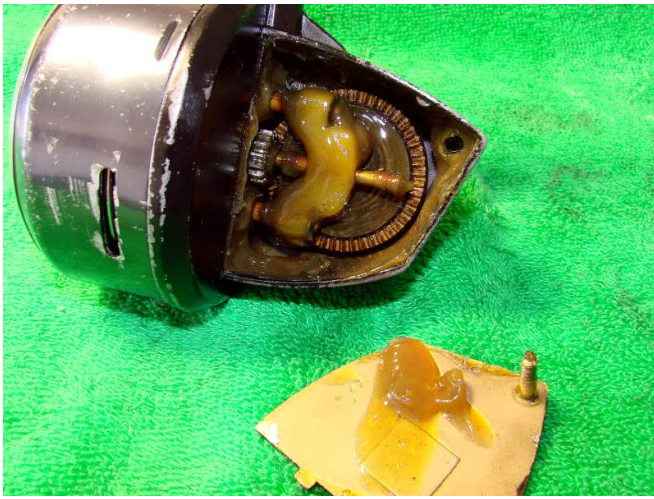
Please refer to the schematic for part #s as I'm not too sure of the part names.



This reel seemed to be working fine with not too much wrong with it. Most notably the anti reverse wasn't working. Apparently it's not uncommon for these types of reels to have the anti reverse removed-when used with very fine lines the lack of a silky smooth drag and the issue of line bedding in could cause fine lines to snap. Some experienced anglers preferred to backwind instead of relying on the drag and as such removed the anti reverse mechanism. Either that or the anti-reverse pawl in this reel needs fixing!

Oil and grease was leaking out of the side plate and it looked like the reel body has been repainted. Other than that a service should turn it into a very usable fishing reel.

When reassembling any reel after cleaning, note where moving parts contact each other. These friction surfaces will need either oil or grease. After doing several reels you will know which lubricant to use and where to use it.



Remove the side plate-just one screw to loosen and no shortage of grease here! Remove the spool cover #9674 (it simply twists off) and unscrew the bell housing #9664. You may need to tighten the drag fully to accomplish this. There is only one pickup pin #9301 although the housing has space for two.



Remove the spool-it has a bayonet mount and you can see the two pins on base of the spool. It's hard to see due to all of the grease but there are two e-clips (#3909) holding on part #9675. Remove these.



Part #9675 can be removed from the front of the reel body. Unscrew the housing for the pinion gear #9743. Note the locking washer underneath #9742-in this instance it is incorrectly fitted.



The pinion gear #9671 and the plastic part #5680 can then be removed from the reel body. Note the metal pin in the photo is housed in the plastic part #5680. It should actually be attached to the pinion gear-this is no problem as it can be fixed. Unscrew the drag knob and then remove the handle assembly.



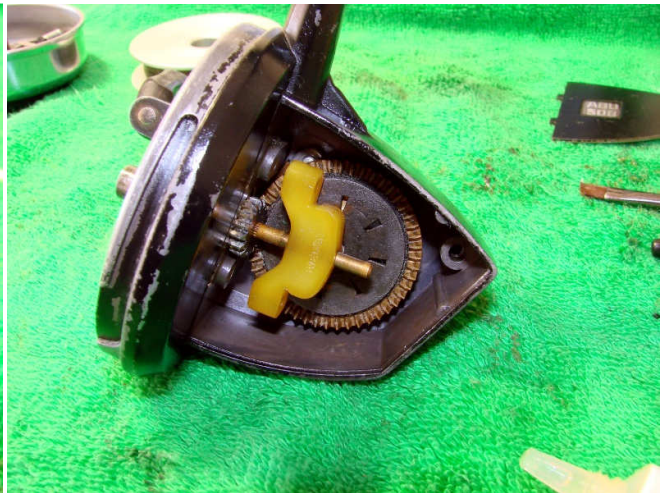
Note there is an open thrust bearing under the handle (# 9011 and #9015).



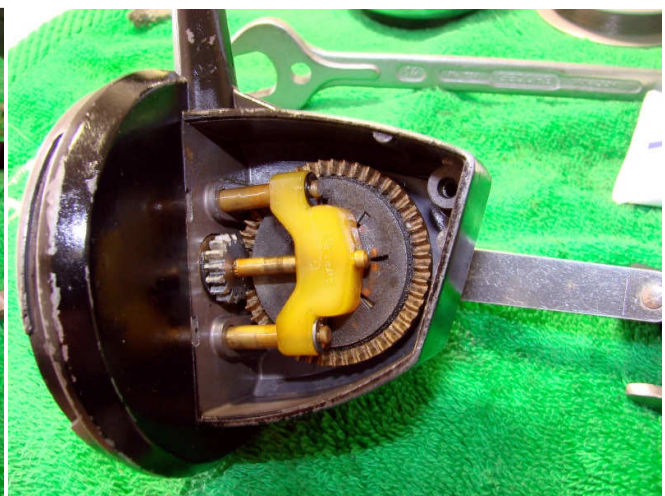
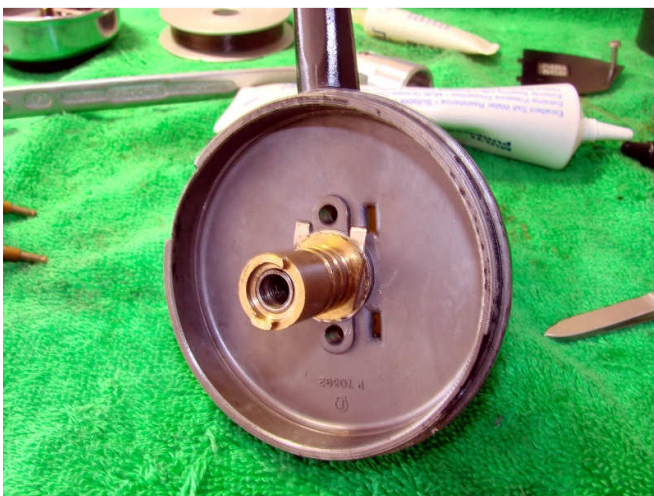
Remove the main gear assembly from the reel body. The anti reverse pawl (#5579) is still present but the copper 'ears' have been bent out of shape-simply bend them back into shape so they grip either side of part #9010-the third part from the left in the second photo.



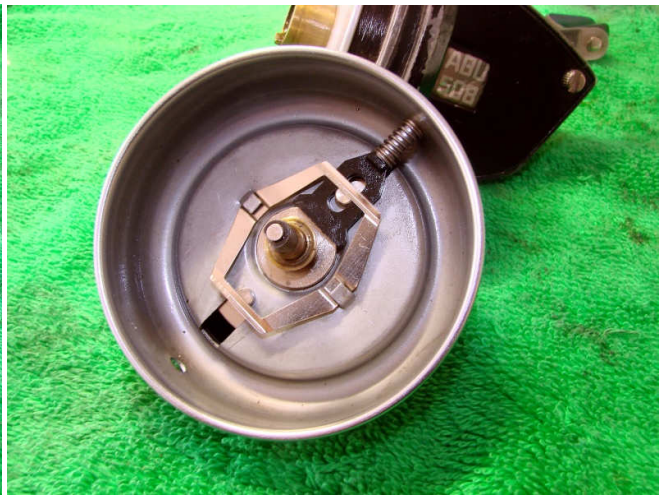
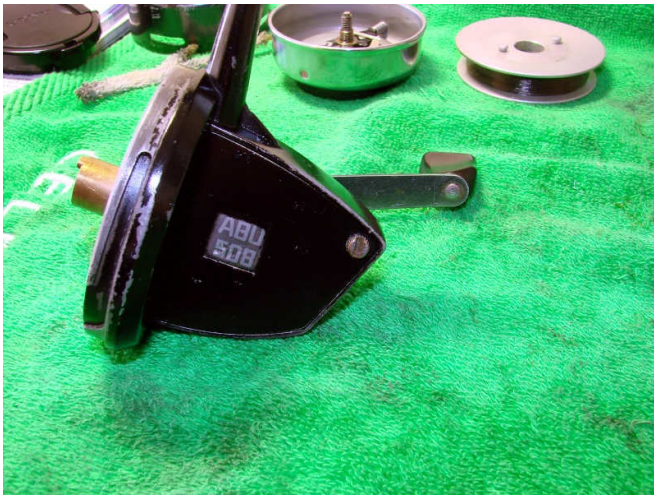
Give everything a thorough clean before reassembly. When reassembling remember not to go mad with grease and oil-excess lubricant just ends up where it shouldn't and attracts dirt and other muck. All friction surfaces/gears need just a light coating. Reassemble the main gear/drag assembly using a light coating of drag grease on the drag washers and where the main gear contacts the main shaft. Attach the anti reverse pawl before placing the assembly in the reel body. Don't forget to oil the outside of the steel bushing in the reel body (#9014).



Make sure the anti reverse pawl is correctly seated on its' pin. Replace the pinion gear and plastic oscillating slider.



Replace the locking washer and pinion gear housing, not forgetting to oil the shaft of the pinion gear where it contacts the housing. Replace part #9675 and lubricate the pins and fix in place with the two e-clips.



Replace the side plate and the handle assembly not forgetting to grease the thrust bearing. Replace the spool. You will probably need to tighten the drag when you replace the bell housing #9664.



Replace the spool cover and you're finished.

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