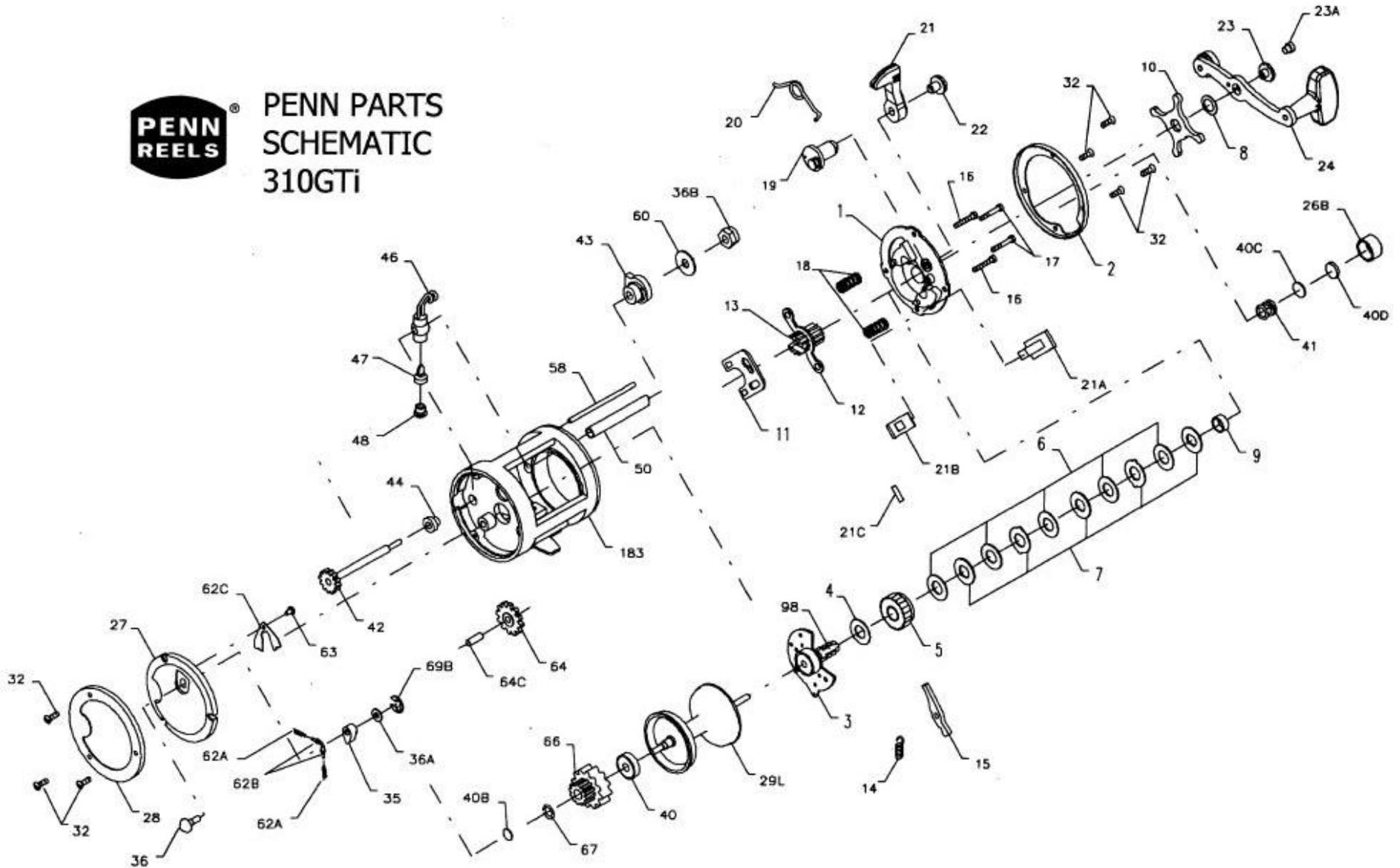


330 gti By ALANTANI « on: December 07, 2008, 08:22:09 AM »



PENN PARTS SCHEMATIC 310GTi



Penn Reel Parts list for:

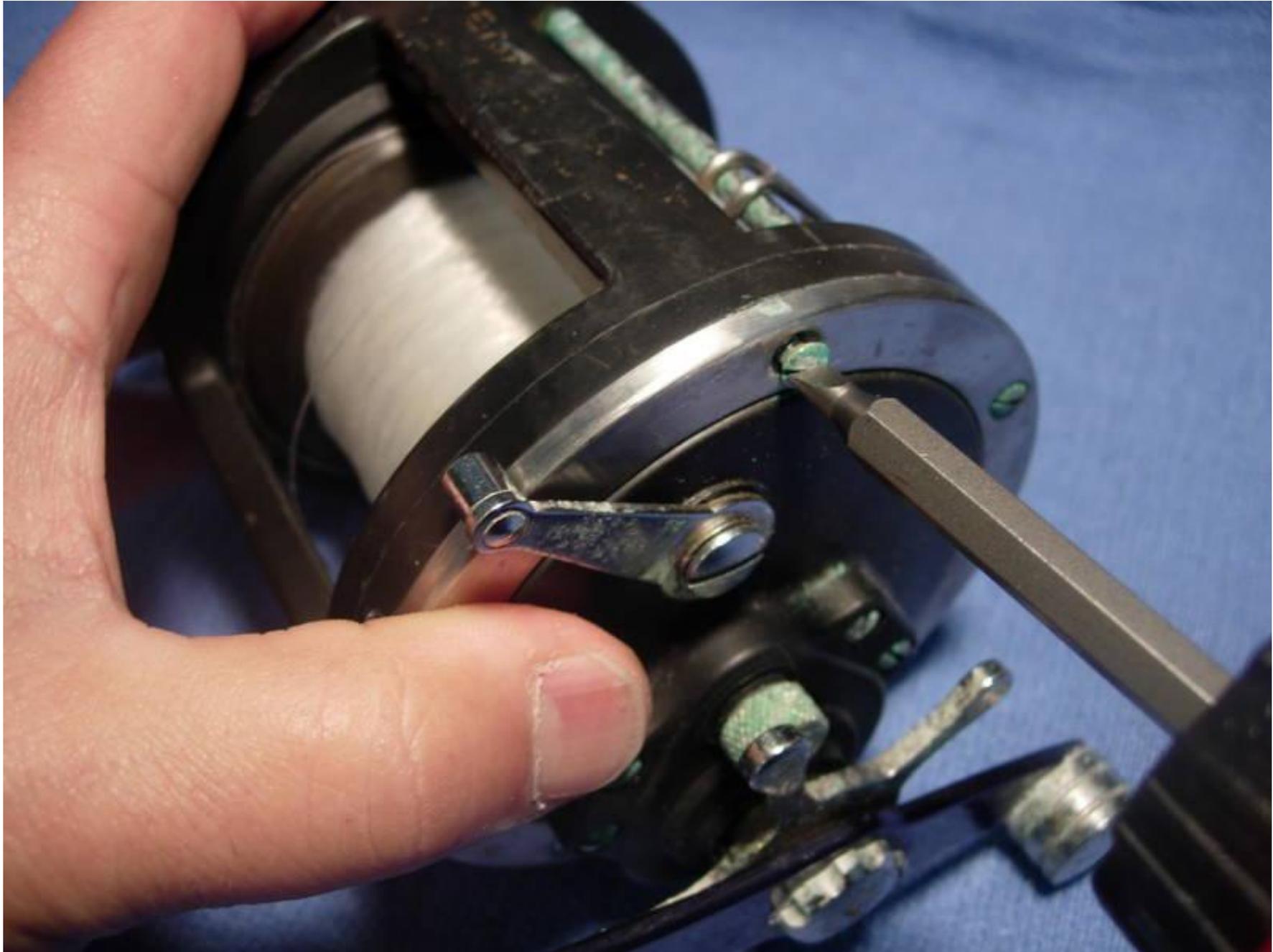
Model: 310GTi

KEY NO	PART NO.	DESCRIPTION	KEY NO	PART NO.	DESCRIPTION
1	1-310	RIGHT SIDE PLATE	29L	29L-310	SPOOL
2	2-310	RIGHT SIDE RING	32	32-310	SIDE PLATE SCREW (7 REQ.)
3	3B-310	BRIDGE ASSEMBLY	35	35-310N	CLICK TONGUE
4	4-155	FIBER WASHER	36	36-310	CLICK BUTTON
5	5-310	MAIN GEAR	36A	36A-40	CLICK BUTTON WASHER
6	6-60	FRICTION DRAG WASHER (5 REQ.)	36B	36-700	WORM SHAFT NUT
7	7c-310	METAL DRAG WASHER (SET OF 5)	40	40-310	LEFT SIDE BEARING
8	8-60	TENSION SPRING	40B	40C-310	L.S. METAL THRUST WASHER
9	9-310	SPACING SLEEVE	40C	40C-320	R.S. METAL THRUST WASHER
10	10-310	STAR DRAG	40D	40D-320	RUBBER THRUST WASHER
11	11-310	ECCENTRIC JACK	41	41-330	RIGHT SIDE THRUST SPRING
12	12-9	PINION YOKE	42	42-310	WORM ASSEMBLY
13	13-310	PINION GEAR	43	43-330	RIGHT SIDE WORM BEARING
14	14-10	DOG SPRING	44	44-330	LEFT SIDE WORM BUSHING
15	15-310	DOG	46	46-310	LINE GUIDE CARRIAGE
16	16-310	LOWER BRIDGE SCREW (2 REQ.)	47	47-320	PAWL
17	17-310	UPPER BRIDGE SCREW (2 REQ.)	48	48-330N	PAWL COVER SCREW
18	18-9	CLUTCH SPRING (2 REQ.)	50	50N-310	WORM SHEILD
19	19-310	ECCENTRIC CAM	58	58-310	LINE GUIDE POST
20	20-109	ECCENTRIC SPRING	60	60-320	IDLE GEAR WASHER
21	21-310	ECCENTRIC LEVER	62A	62A-310	CLICK SPRING (2 REQ.)
21A	21A-310	DIRECT DRIVE BUTTON	62B	62B-310	CLICK PIN (2 REQ.)
21B	21B-310	DIRECT DRIVE BUTTON SPRING	62C	62C-310	CLICK SPRING COVER
21C	21C-310	DIRECT DRIVE BUTTON PIN	63	63-500S	CLICK SPRING SCREW
22	22-310	ECCENTRIC SCREW	64	64-310	IDLE GEAR
23	23-60	HANDLE ASSEMBLY SCREW	64C	64C-310	WORM GEAR IDLER SHAFT
23A	110-60	HANDLE LOCK SCREW	66	66-310	SPOOL GEAR
24	24-310	HANDLE ASSEMBLY	67	67-9	LOCK SPRING
26B	26B-310	SPOOL TENSION CONTROL CAP	69B	69B-600	RETAINING RING
27	27-310	LEFT SIDE PLATE	98	98-310	GEAR SLEEVE
28	28-310	LEFT SIDE RING	183	183-310	FRAME ASSEMBLY

The Penn 330 gti is simply the bigger brother of the 320 gti with the same spool as the 3/0 sized penn 112h. it has all the same advantages, and disadvantages, of the penn 320 gti. the only real difference is the larger frame and spool.



to remove the right side plate assembly (key #1), remove the right side plate screws (key #32).



the reel breaks down into three pieces, the frame assembly (key #183), the spool (key #29L) and the right side plate assembly (key #1).



lube the left side plate bearing (key #40).



lube the worm (key #42) in the levelwind assembly.



here's a look at the spool (key #29L). it is a 112h spool on a different spool shaft.



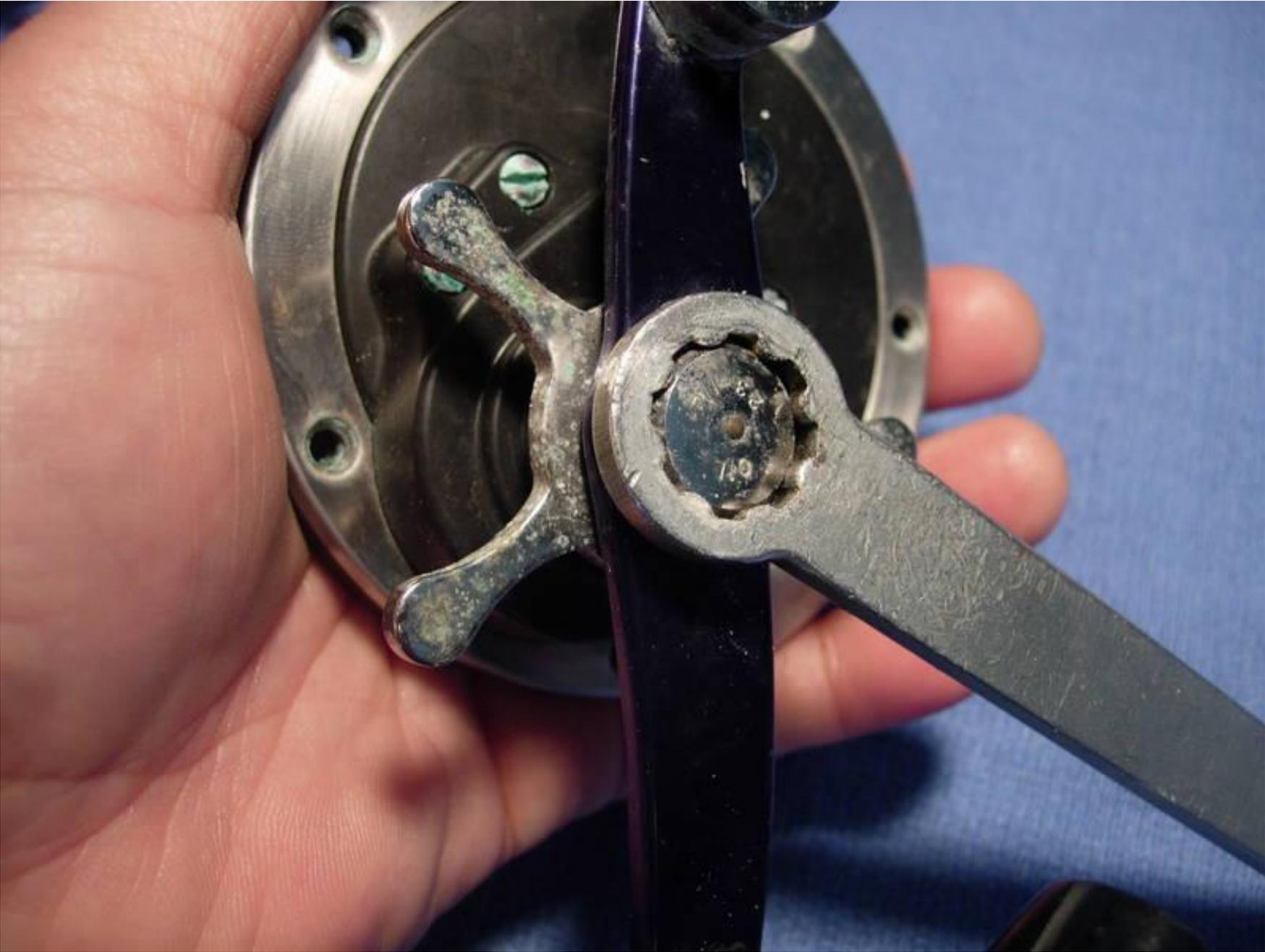
put the spool (key #29L) back in the frame assembly (key #183) and set it aside.



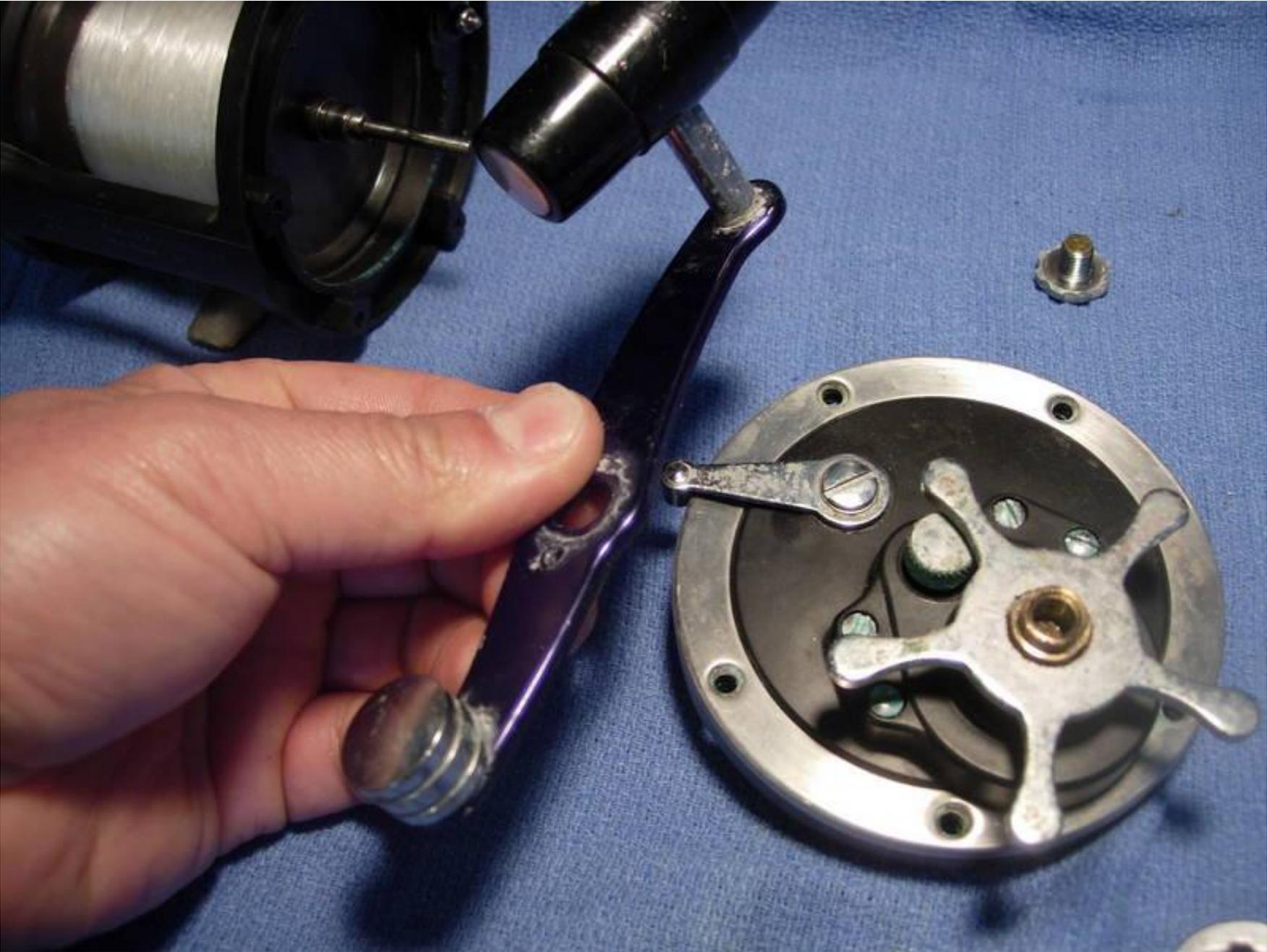
now for the right side plate assembly (key #1). remove the handle lock screw (key #23A).



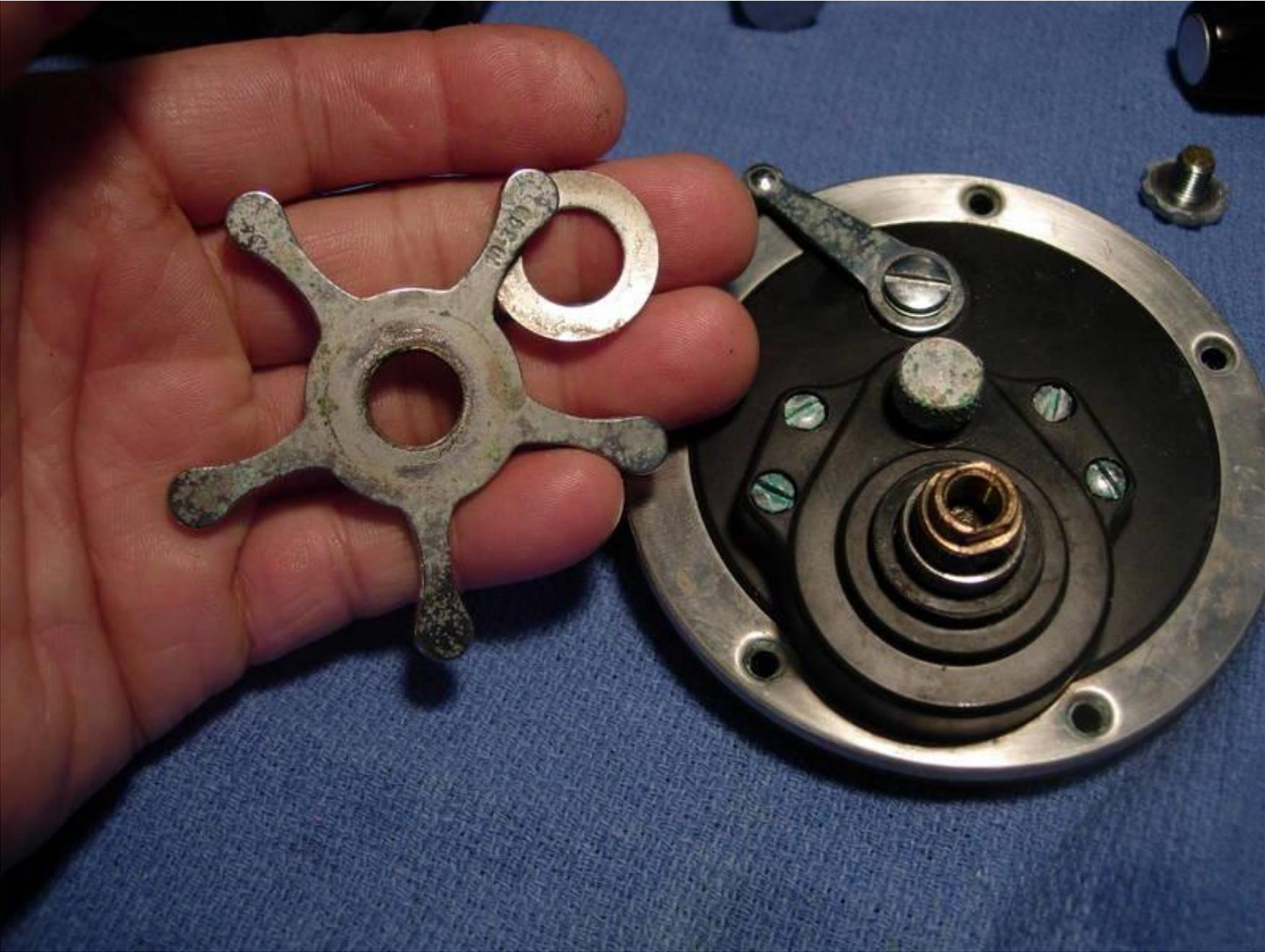
remove the handle assembly screw (key #23).



remove the handle assembly (key #24).



remove the star drag (key #10) and tension spring (key #8). i typically discard the tension spring at this point.



push the eccentric lever assembly (key #21) forward and into gear, then back out all four bridge screws (key #'s 16 and 17) and leave them all in place.



the bridge assembly (key #3) will fall out easily, so catch it without turning the right side plate (key #1) upside down.



here is an exploded view of the bridge assembly (key #3) and main gear cluster (key #5).



we're going to switch out the fiber washer (key #4) for a drag washer (penn part #6-875).



grease the drag washer (part #6-875).



rebuild the drag stack, starting with the #6-875 washer underneath the main gear.



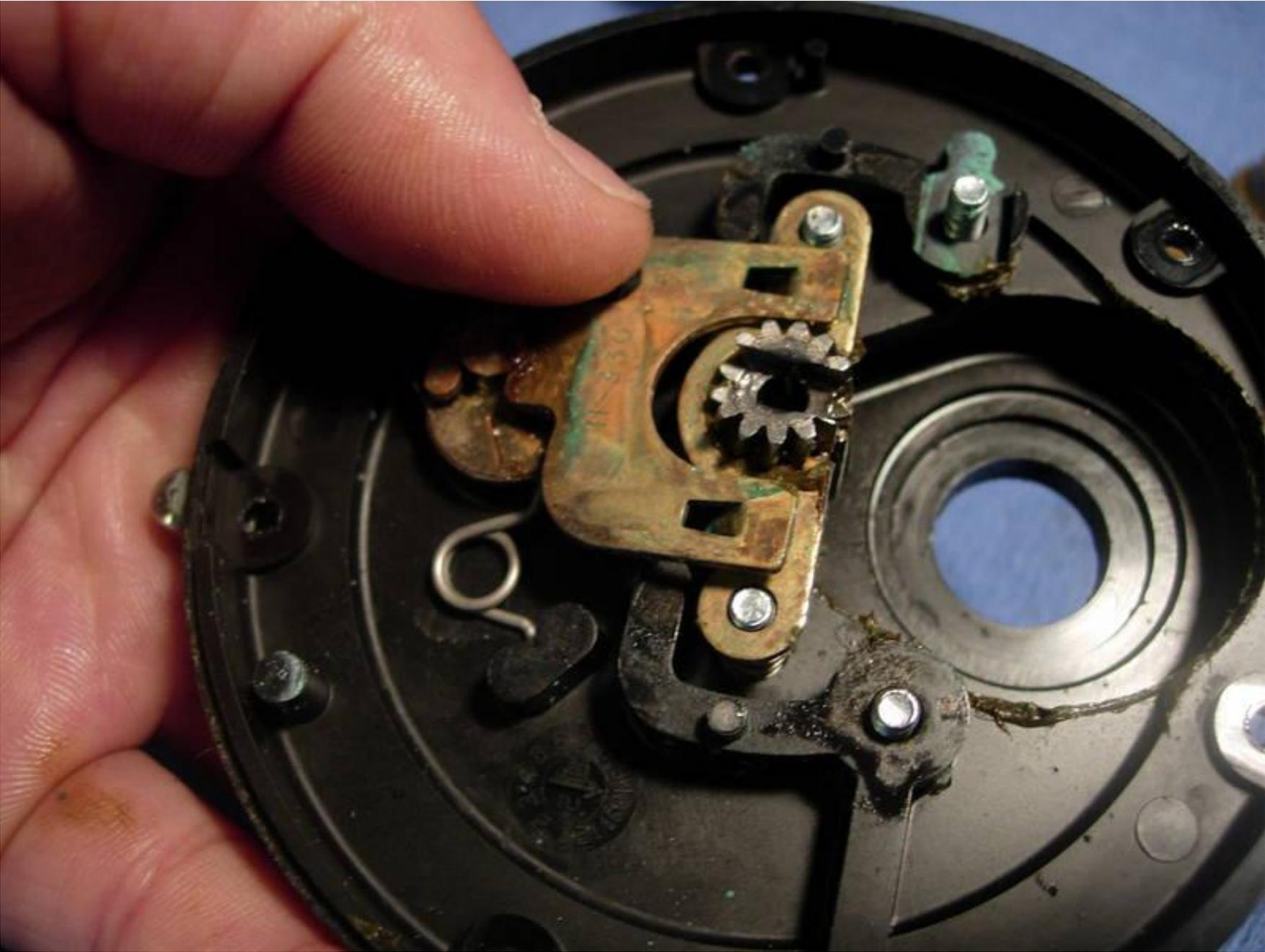
slap a thick coat of drag grease on all the other carbon fiber drag washers and rebuild the drag stack.



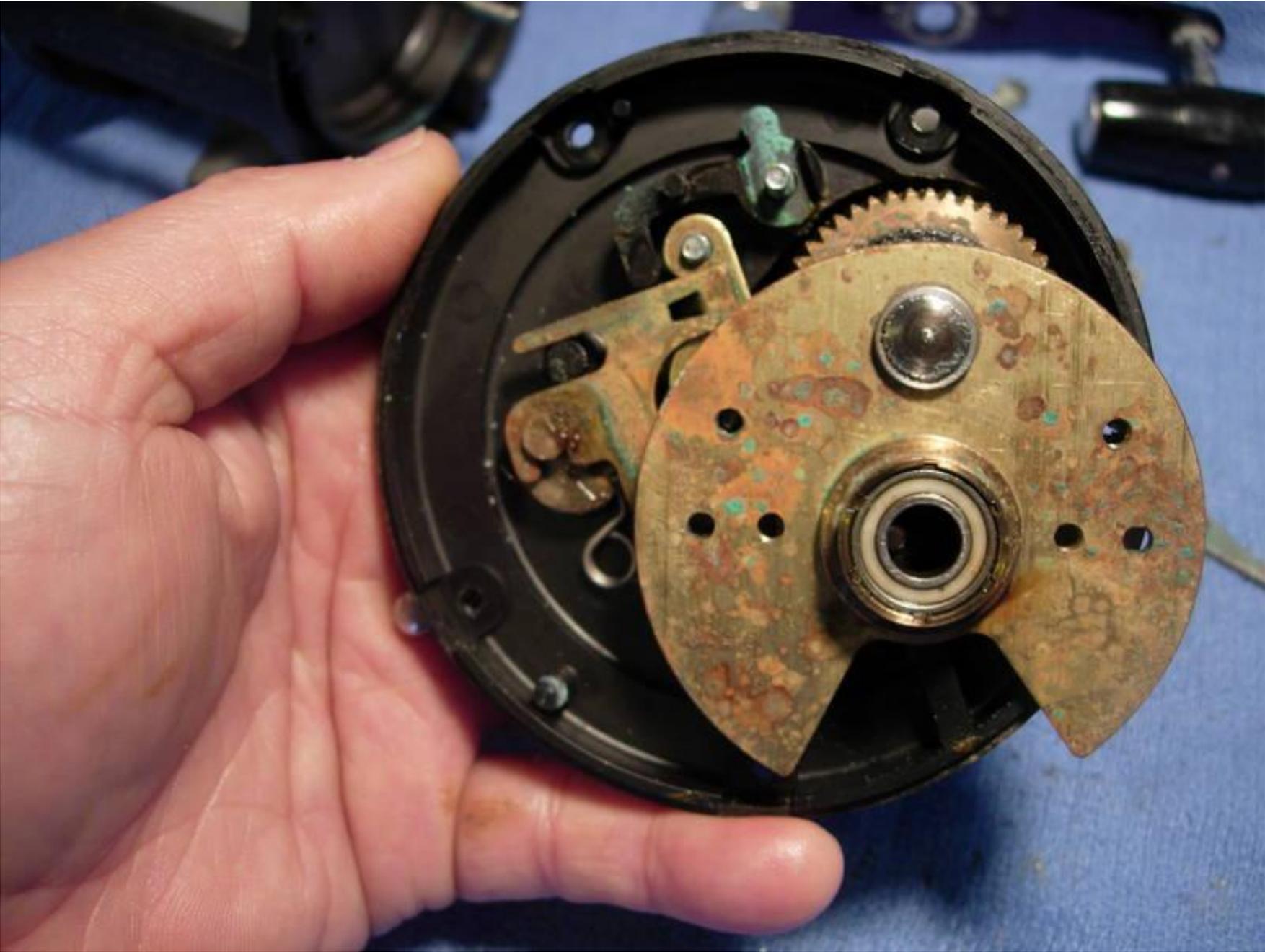
place your left and middle fingers over the bridge screws and lift up the right side plate.



now flip it over and everything should stay in place.



install the bridge assembly (key #3) and rotate the bridge plate 90 degrees counterclockwise from its final position.



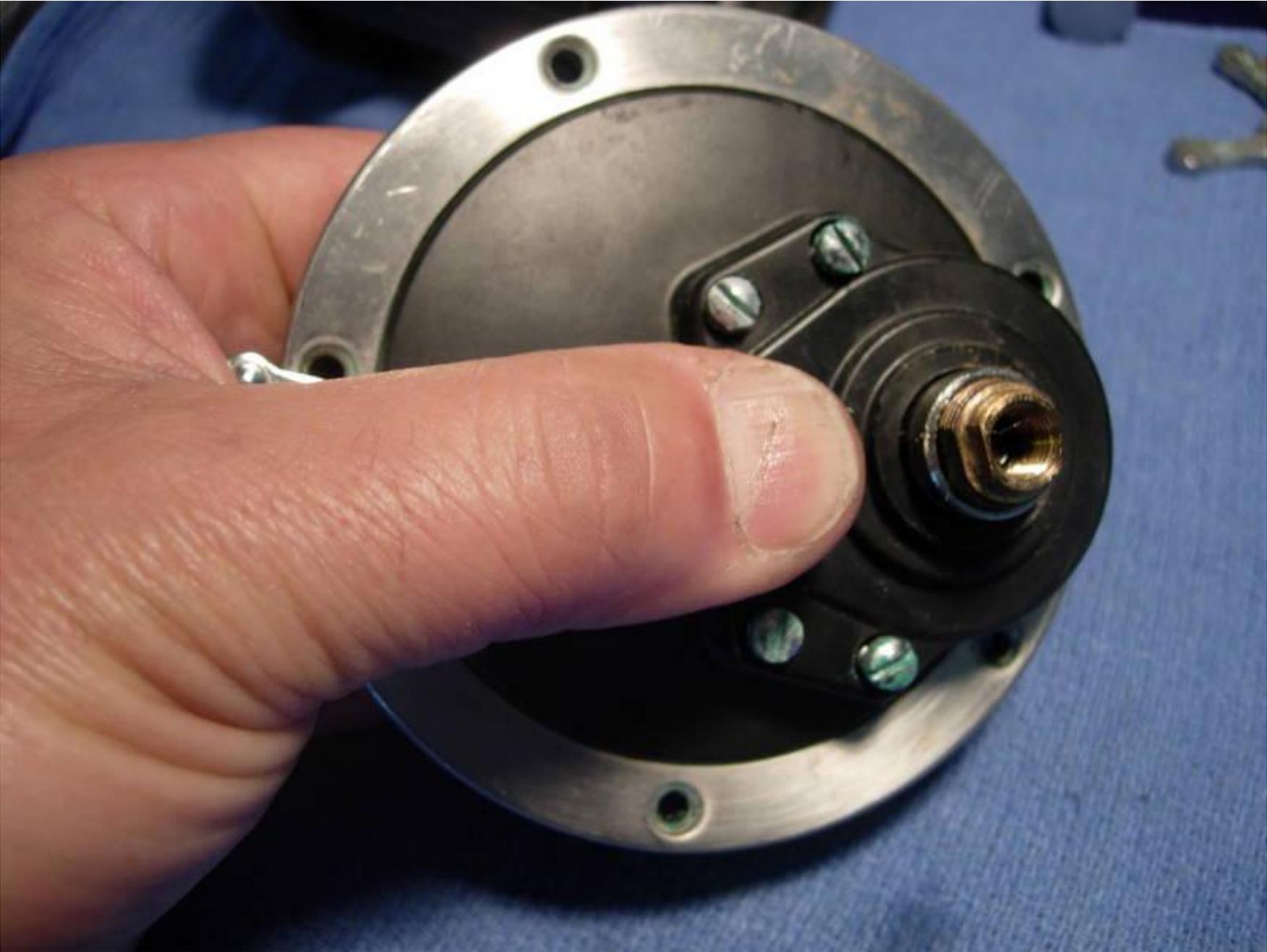
install the dog spring (key #14) and dog (key #15).



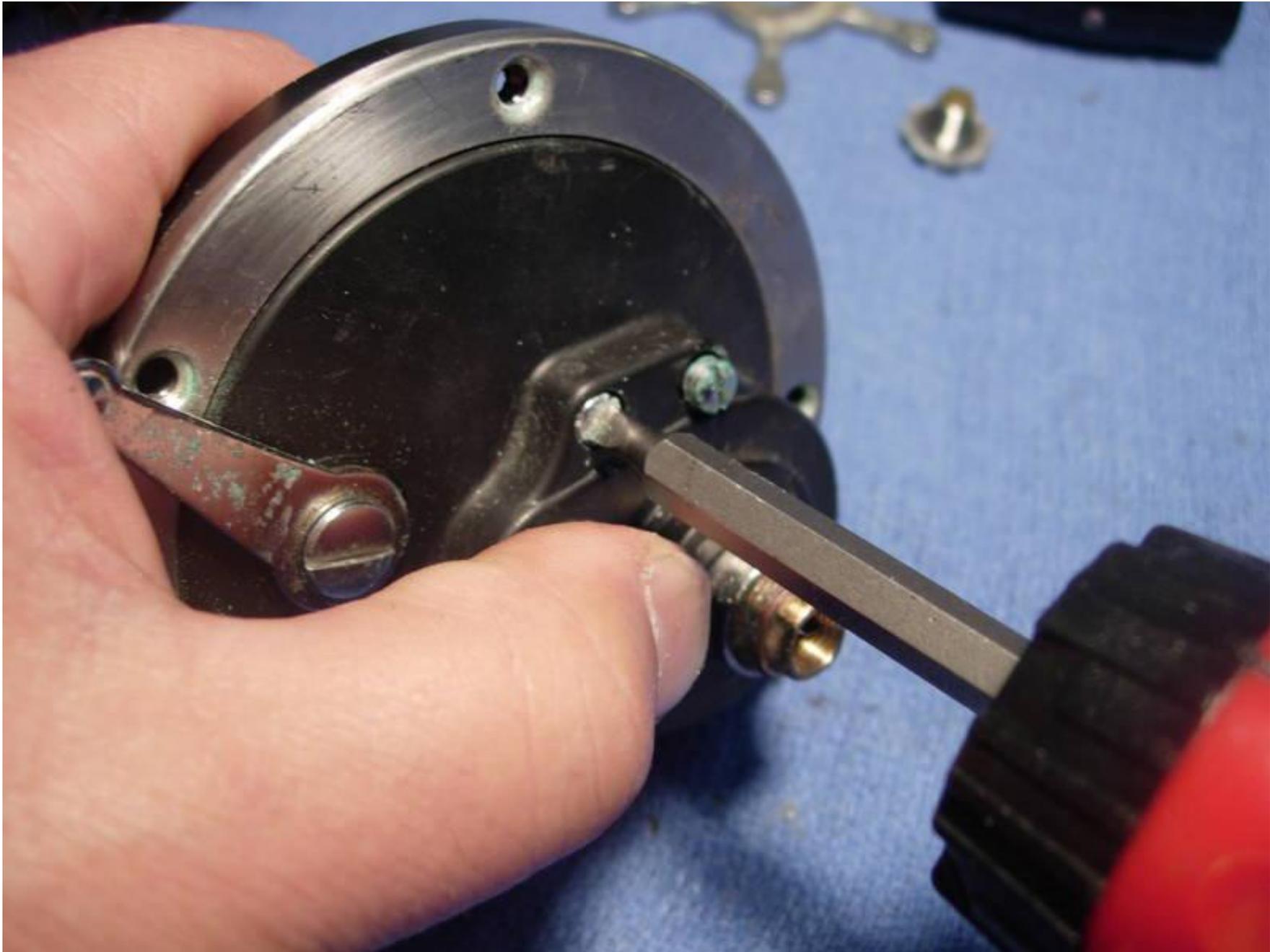
rotate the bridge (key #3) 90 degrees clockwise until the bridge plate seats properly.



with a right hand assist, flip the right side plate (key #1) over.



set each bridge screw (key #'s 16 and 17) halfway, then snug them down until they seat properly.



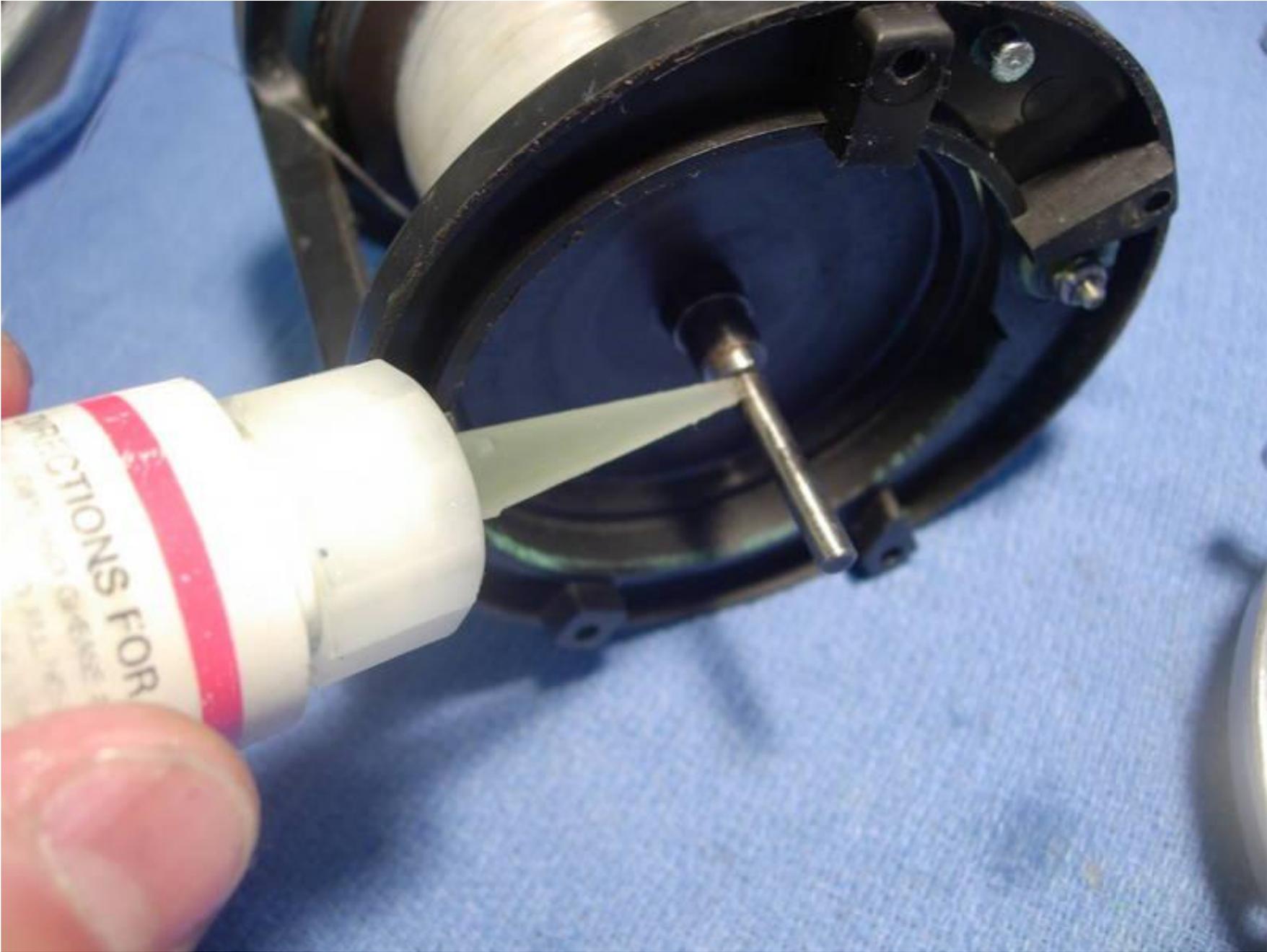
check the function of the anti-reverse mechanism.



check the function of the eccentric lever assembly (key #21).



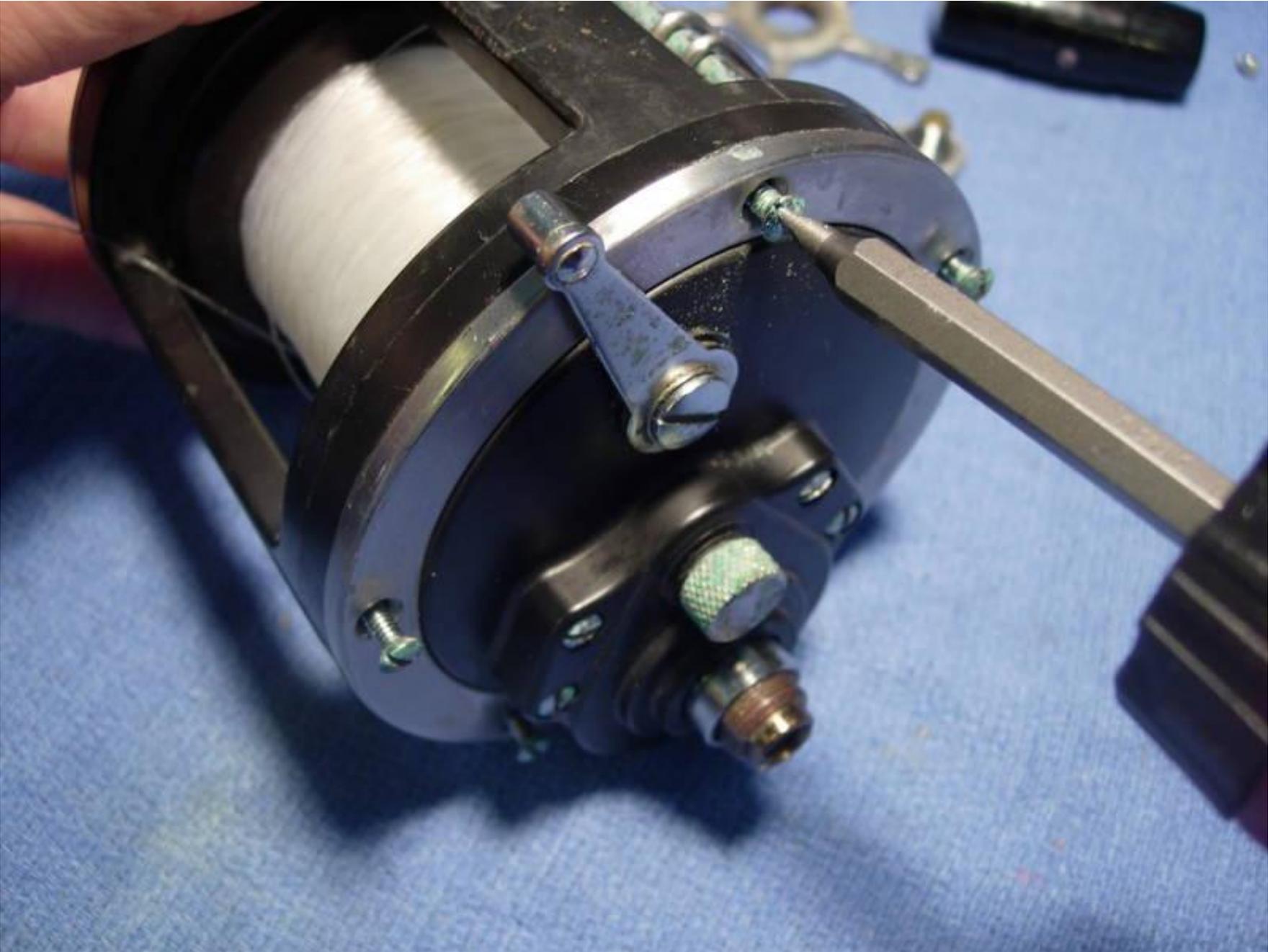
lube the spool shaft (key #29L).



lube the bearing (no key #) in the bridge (key #3).



install the right side plate assembly (key #1) and right side plate screws (key #32).



install the star drag (key #10) and turn it down until it clears the shoulders of the gear sleeve (key #98).



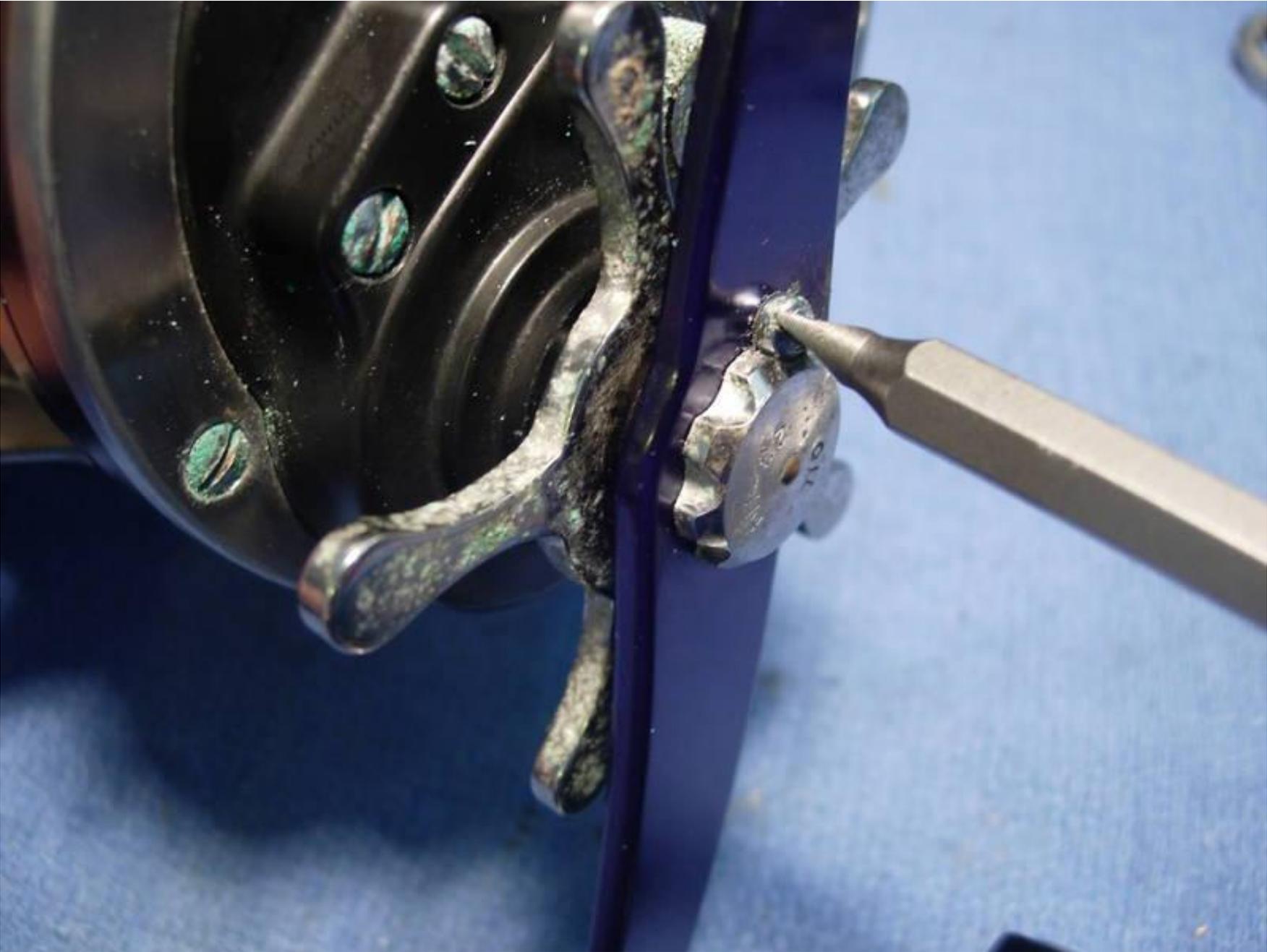
install the handle (key #24). note that a penn senator power handle (part #24-349H) may be substituted here as well.



install the handle assembly screw (key #23).



install the handle lock screw (key #23A).



done!



