

Penn Reel Parts list for:

Model: 310GTi

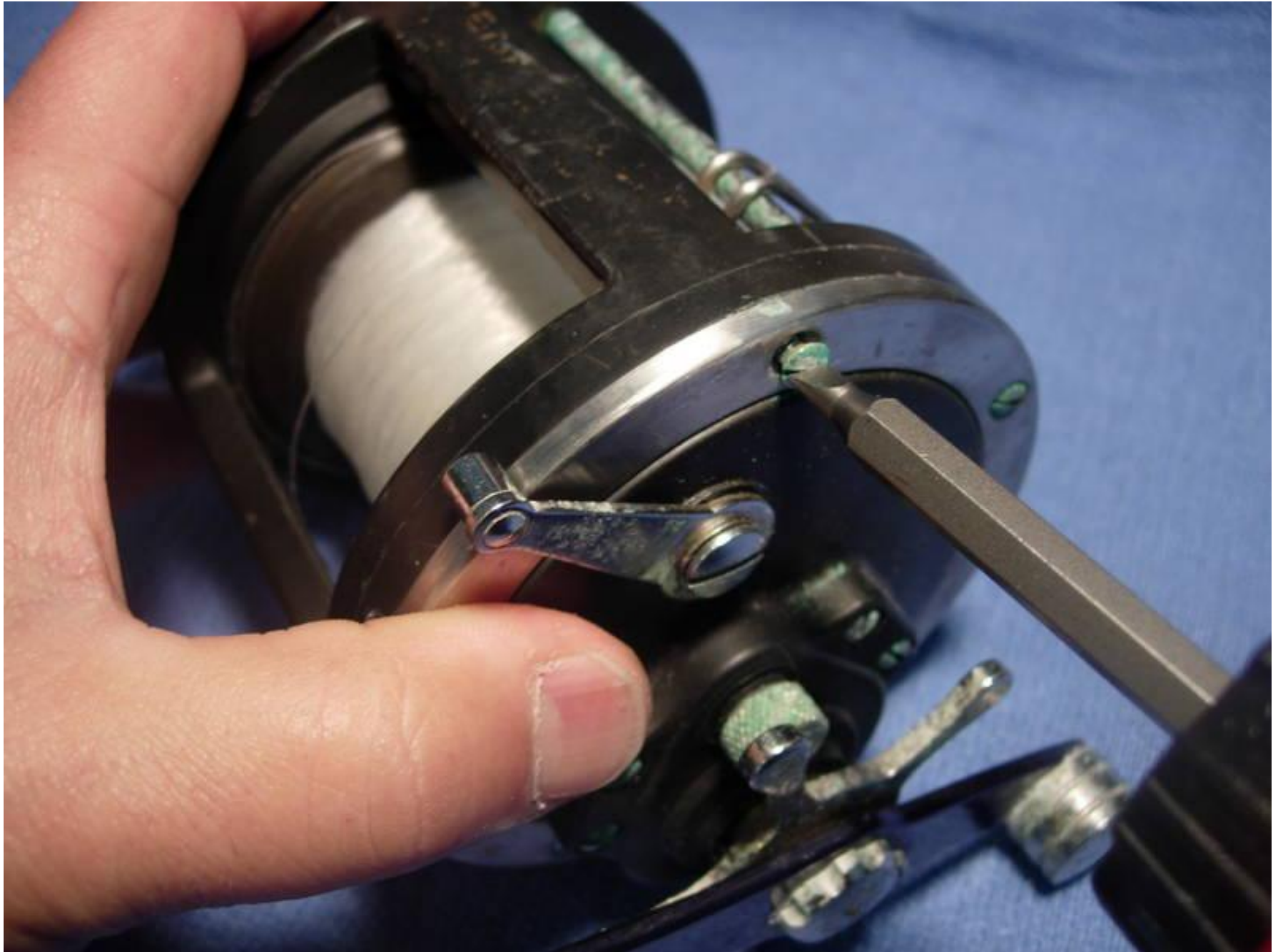
KEY NO	PART NO.	DESCRIPTION
1	1-310	RIGHT SIDE PLATE
2	2-310	RIGHT SIDE RING
3	3B-310	BRIDGE ASSEMBLY
4	4-155	FIBER WASHER
5	5-310	MAIN GEAR
6	6-60	FRICTION DRAG WASHER (5 REQ.)
7	7c-310	METAL DRAG WASHER (SET OF 5)
8	8-60	TENSION SPRING
9	9-310	SPACING SLEEVE
10	10-310	STAR DRAG
11	11-310	ECCENTRIC JACK
12	12-9	PINION YOKE
13	13-310	PINION GEAR
14	14-10	DOG SPRING
15	15-310	DOG
16	16-310	LOWER BRIDGE SCREW (2 REQ.)
17	17-310	UPPER BRIDGE SCREW (2 REQ.)
18	18-9	CLUTCH SPRING (2 REQ.)
19	19-310	ECCENTRIC CAM
20	20-109	ECCENTRIC SPRING
21	21-310	ECCENTRIC LEVER
21A	21A-310	DIRECT DRIVE BUTTON
21B	21B-310	DIRECT DRIVE BUTTON SPRING
21C	21C-310	DIRECT DRIVE BUTTON PIN
22	22-310	ECCENTRIC SCREW
23	23-60	HANDLE ASSEMBLY SCREW
23A	110-60	HANDLE LOCK SCREW
24	24-310	HANDLE ASSEMBLY
26B	26B-310	SPOOL TENSION CONTROL CAP
27	27-310	LEFT SIDE PLATE
28	28-310	LEFT SIDE RING

KEY NO	PART NO.	DESCRIPTION
29L	29L-310	SPOOL
32	32-310	SIDE PLATE SCREW (7 REQ.)
35	35-310N	CLICK TONGUE
36	36-310	CLICK BUTTON
36A	36A-40	CLICK BUTTON WASHER
36B	36-700	WORM SHAFT NUT
40	40-310	LEFT SIDE BEARING
40B	40C-310	L.S. METAL THRUST WASHER
40C	40C-320	R.S. METAL THRUST WASHER
40D	40D-320	RUBBER THRUST WASHER
41	41-330	RIGHT SIDE THRUST SPRING
42	42-310	WORM ASSEMBLY
43	43-330	RIGHT SIDE WORM BEARING
44	44-330	LEFT SIDE WORM BUSHING
46	46-310	LINE GUIDE CARRIAGE
47	47-320	PAWL
48	48-330N	PAWL COVER SCREW
50	50N-310	WORM SHEILD
58	58-310	LINE GUIDE POST
60	60-320	IDLE GEAR WASHER
62A	62A-310	CLICK SPRING (2 REQ.)
62B	62B-310	CLICK PIN (2 REQ.)
62C	62C-310	CLICK SPRING COVER
63	63-500S	CLICK SPRING SCREW
64	64-310	IDLE GEAR
64C	64C-310	WORM GEAR IDLER SHAFT
66	66-310	SPOOL GEAR
67	67-9	LOCK SPRING
69B	69B-600	RETAINING RING
98	98-310	GEAR SLEEVE
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.



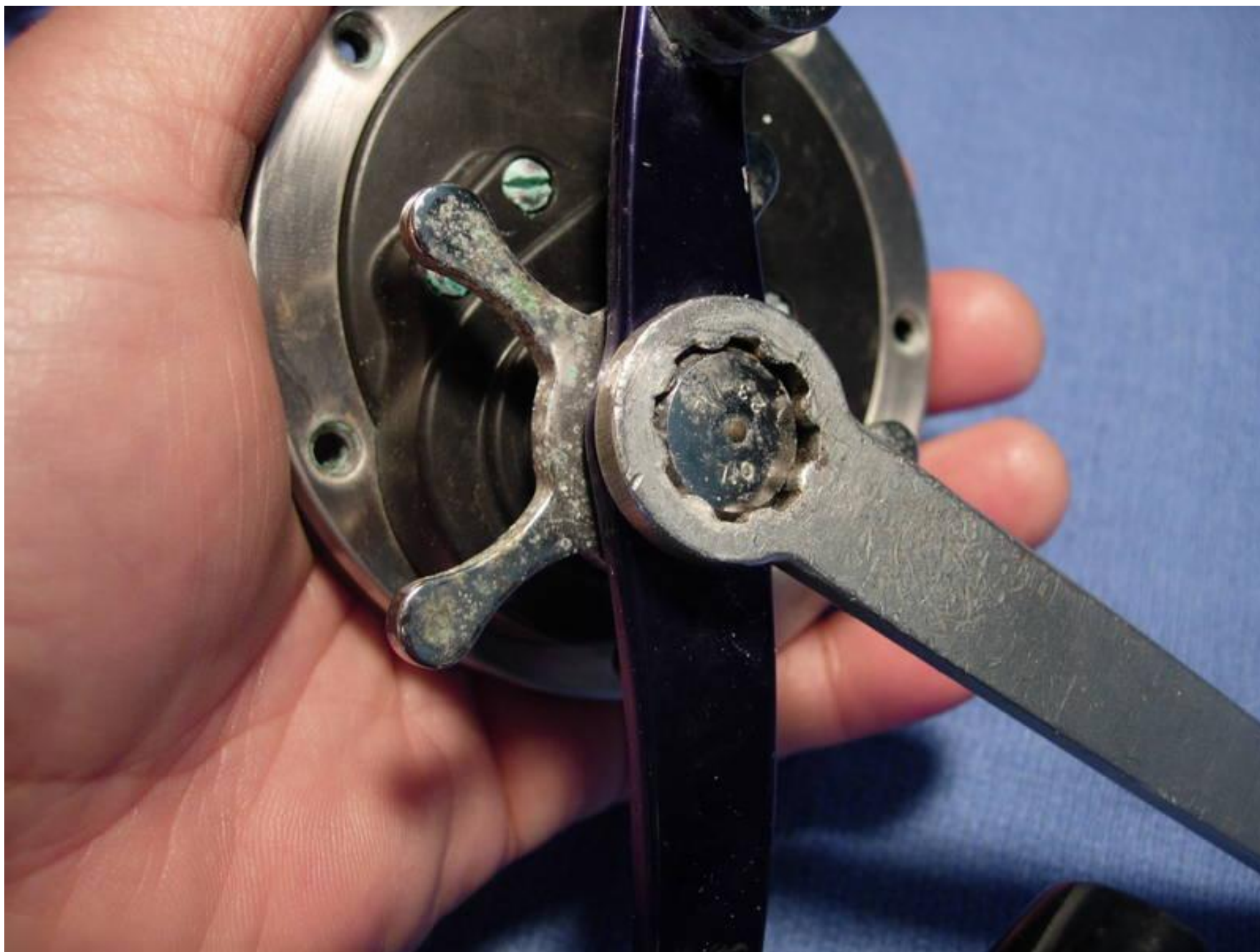
put the spool (key #29L) back in the frame assembly (key #183) and set it aside.



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



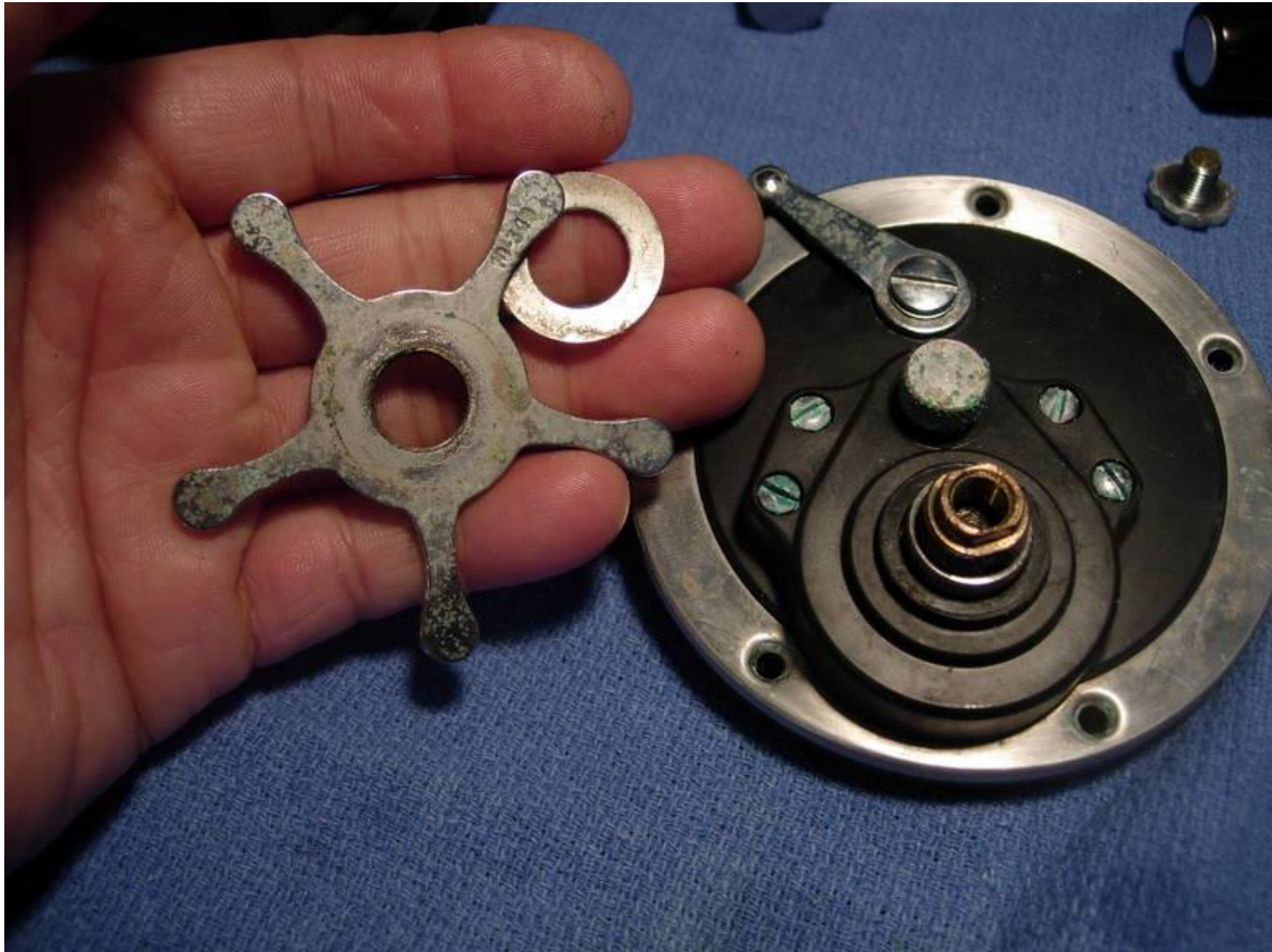
remove the handle assembly screw (key #23).



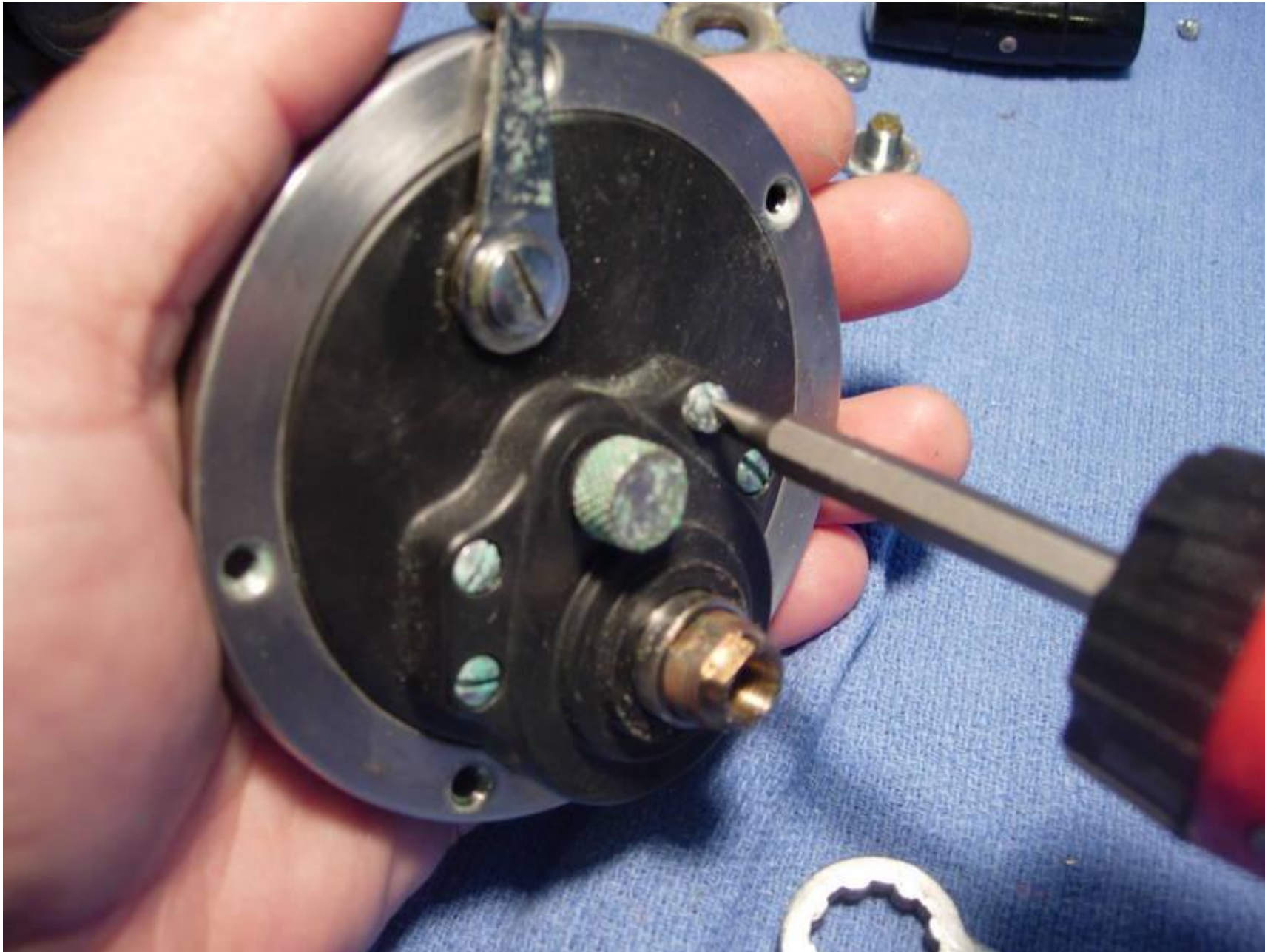
remove the handle assembly (key #24).



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.



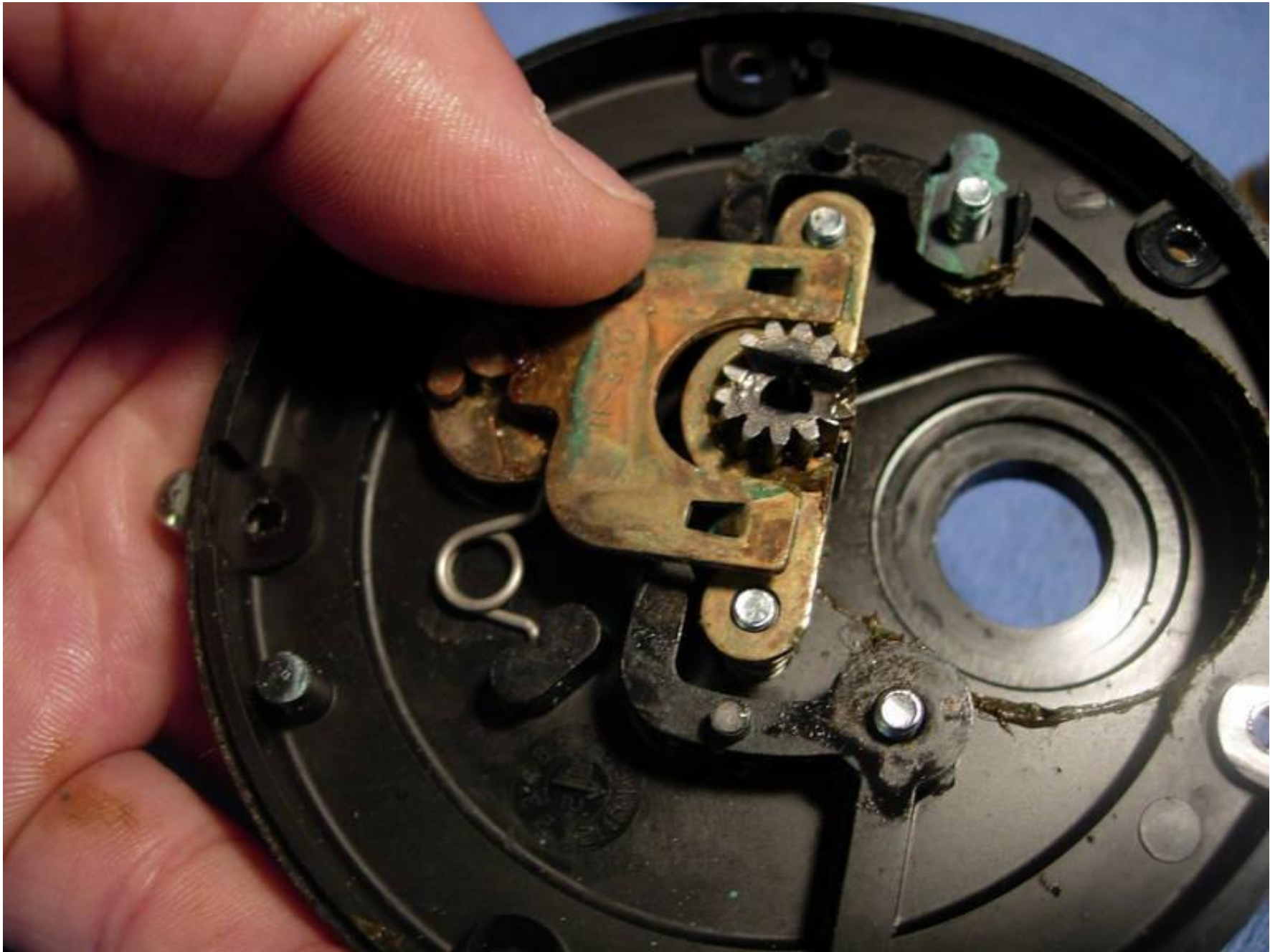
slap a thick coat of drag grease on all the other carbon fiber drag washers and rebuild the drag stack.



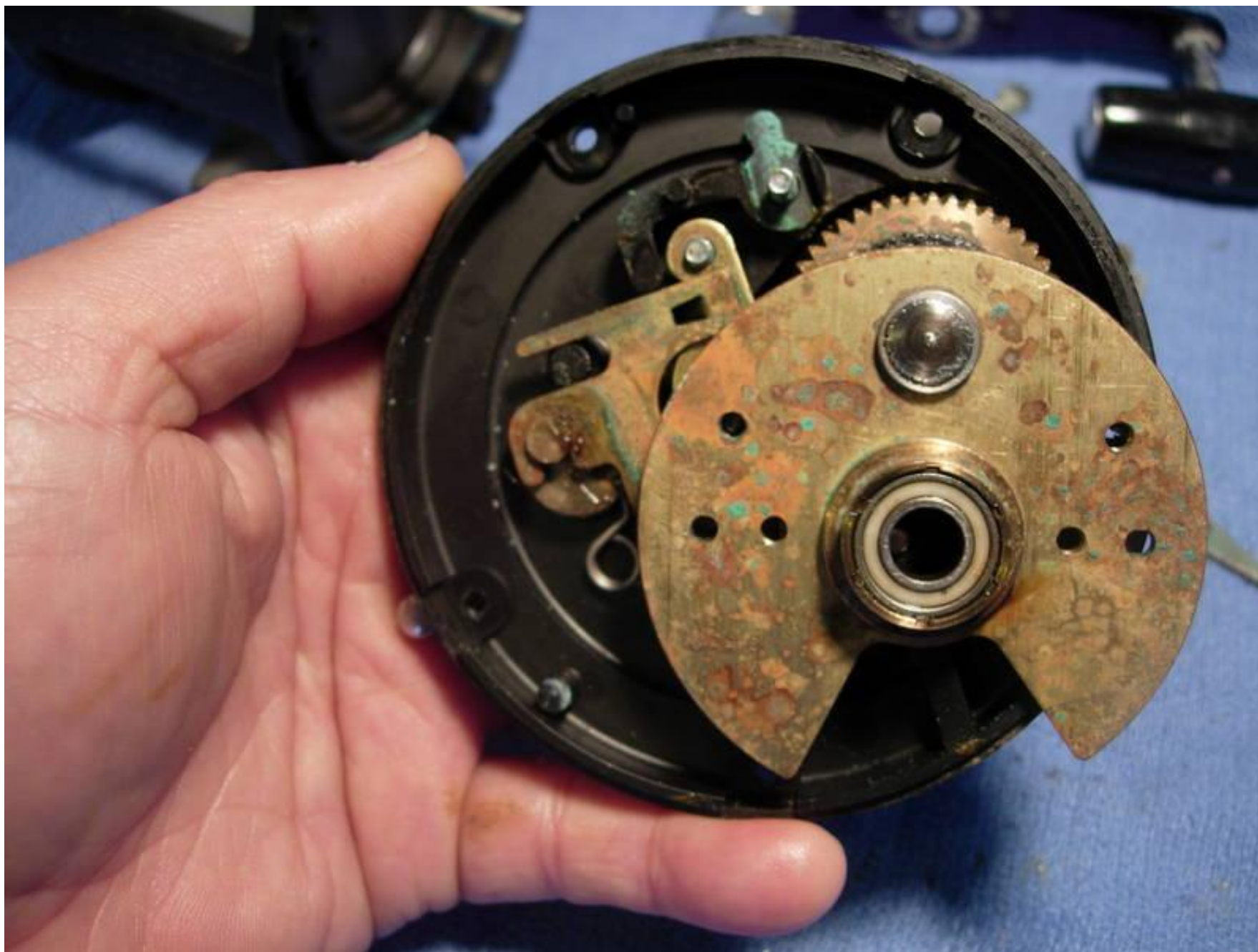
place your left and middle fingers over the bridge screws and lift up the right side plate.



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.



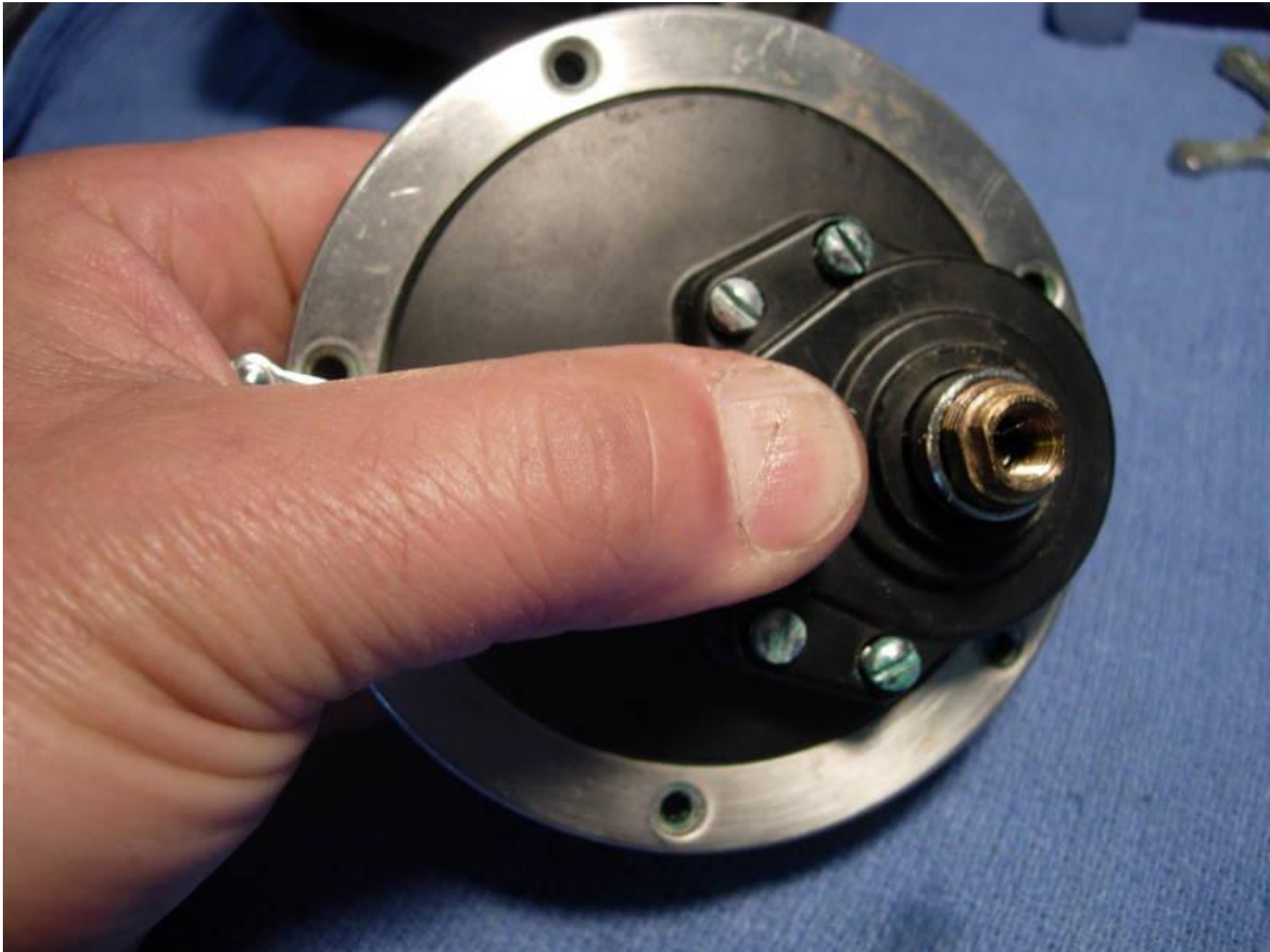
install the dog spring (key #14) and dog (key #15).



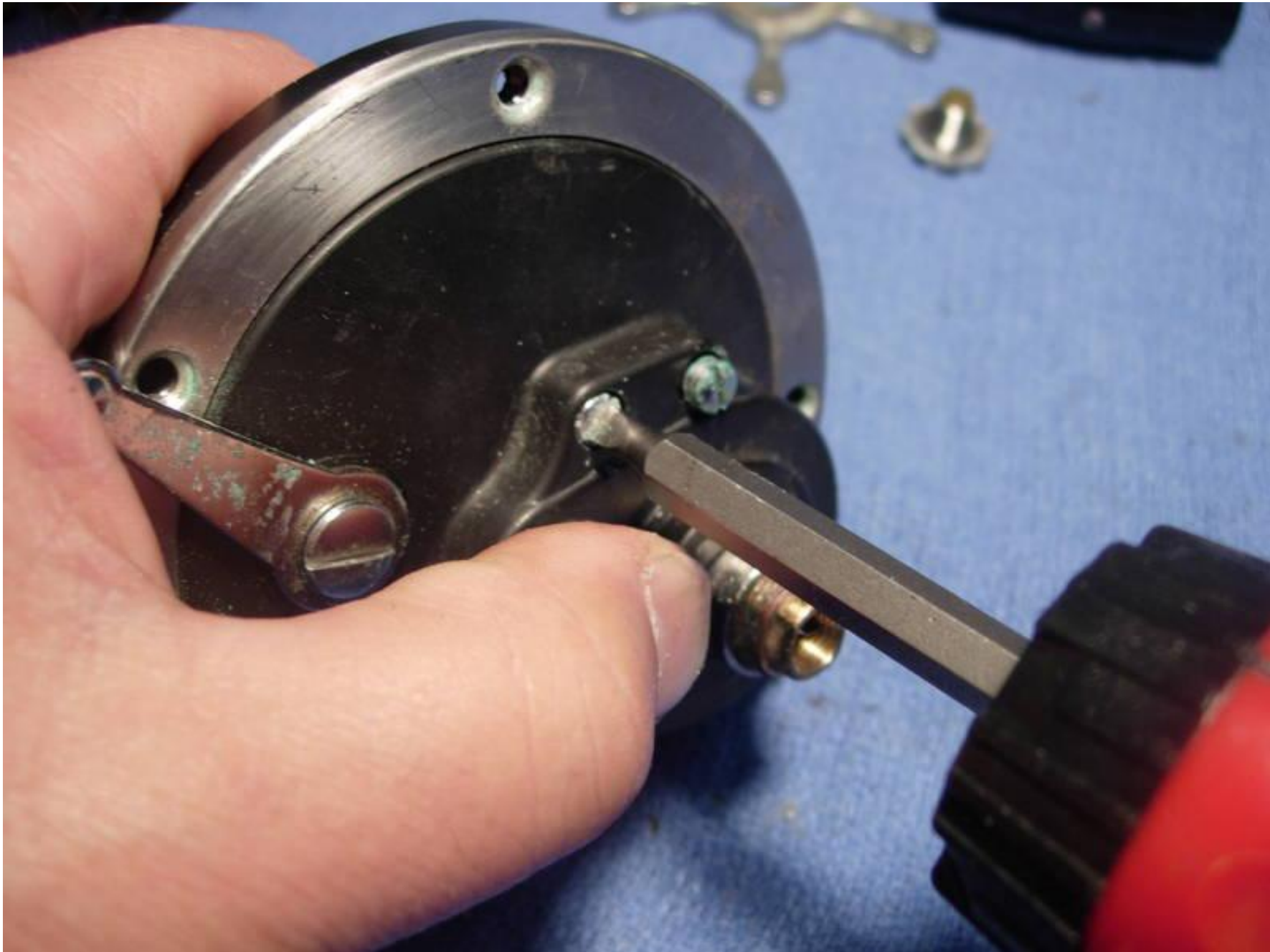
rotate the bridge (key #3) 90 degrees clockwise until the bridge plate seats properly.



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).



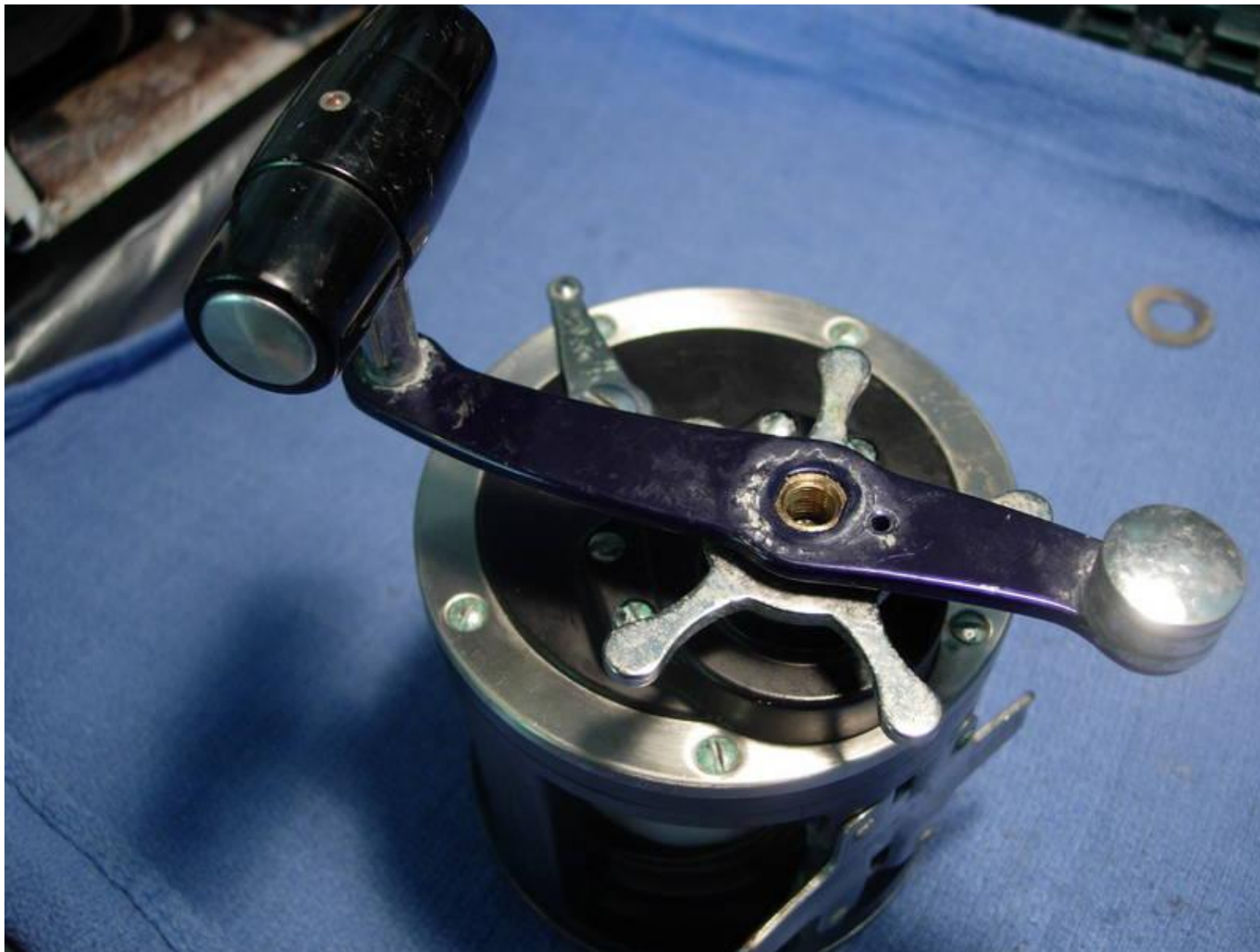
install the right side plate assembly (key #1) and right side plate screws (key #32).



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



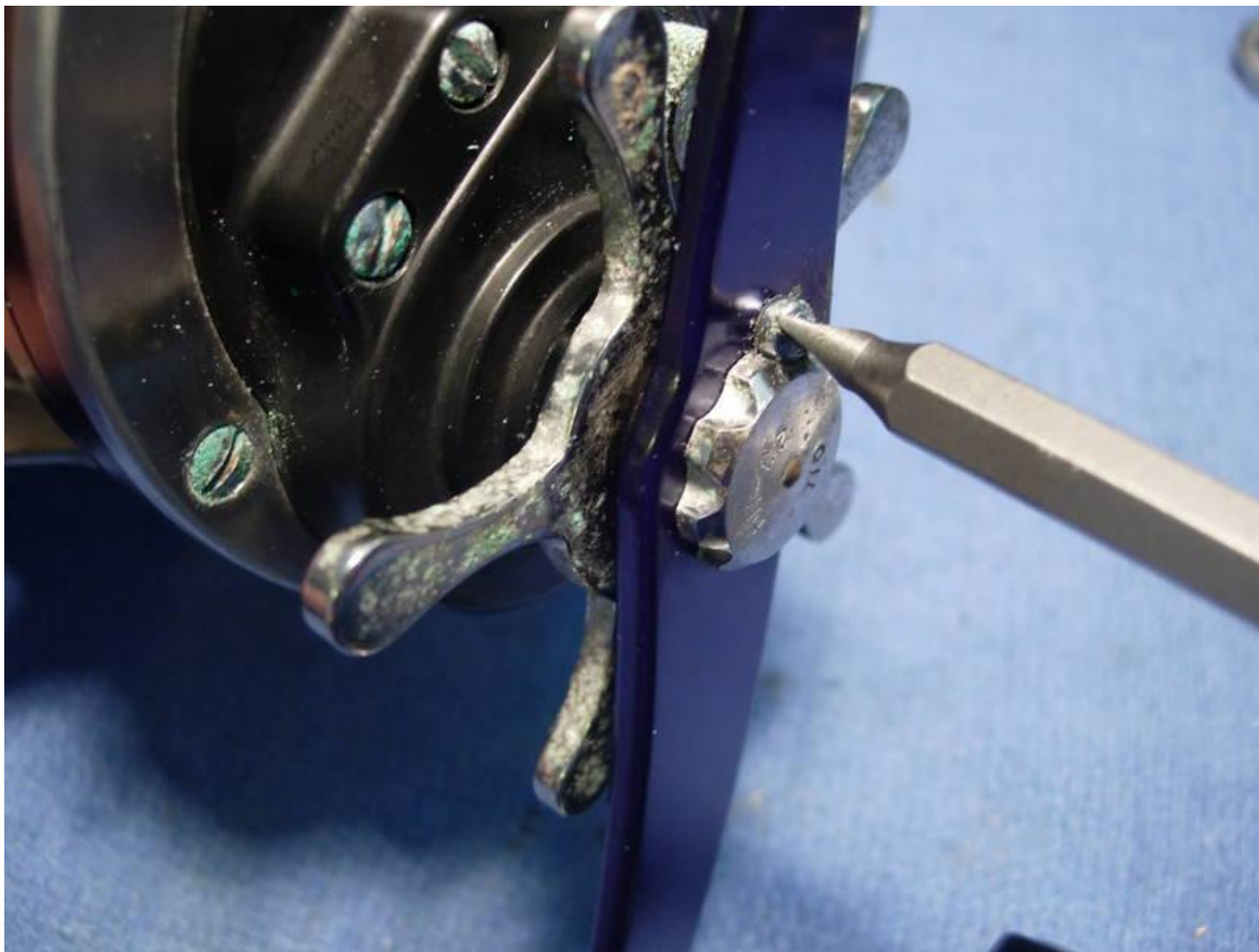
install the handle (key #24). note that a penn senator power handle (part #24-349H) may be substituted here as well.



install the handle assembly screw (key #23).



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



done!



