NEW SYSTEM SPECIFICATIONS AND DIAGRAMS

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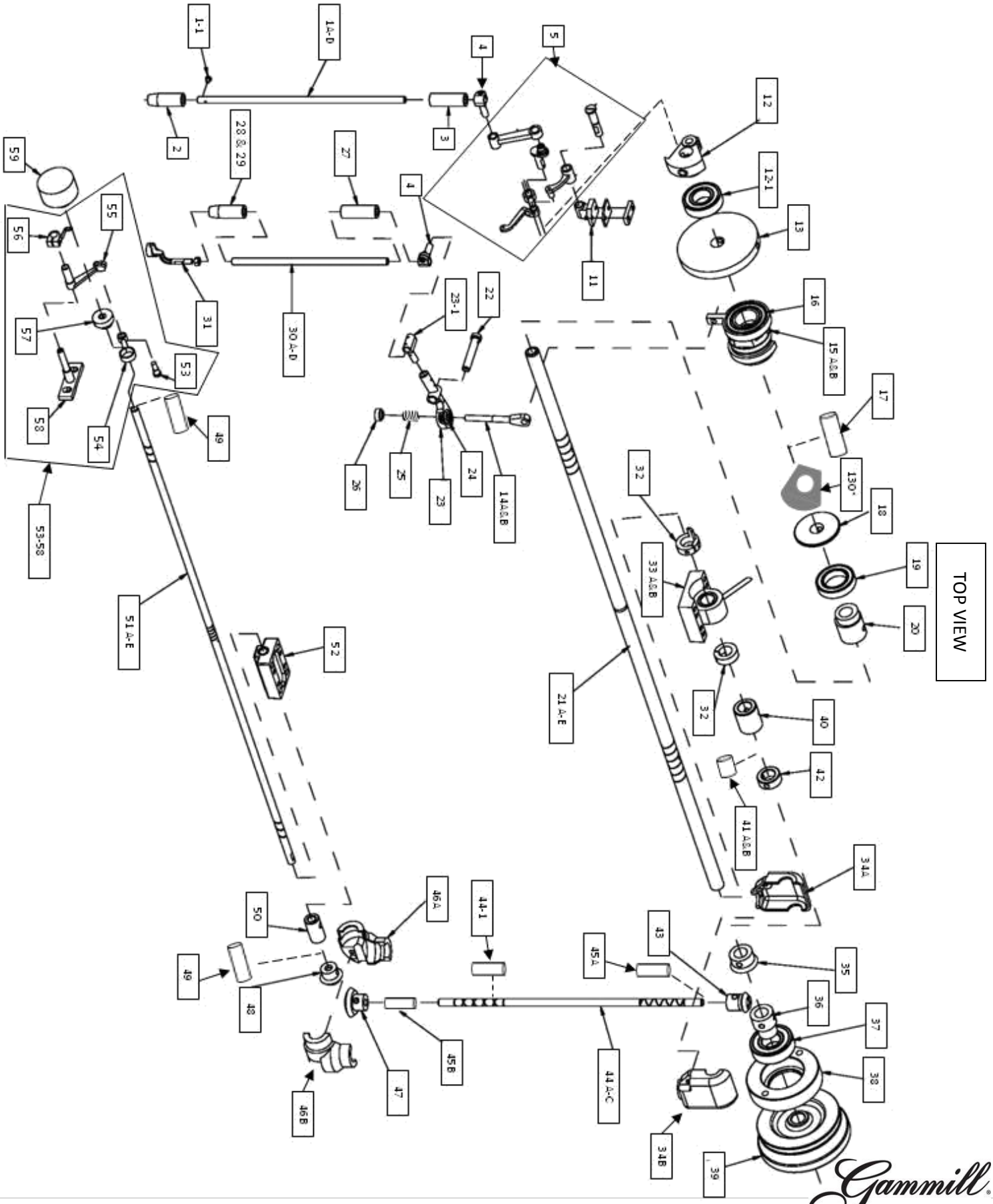
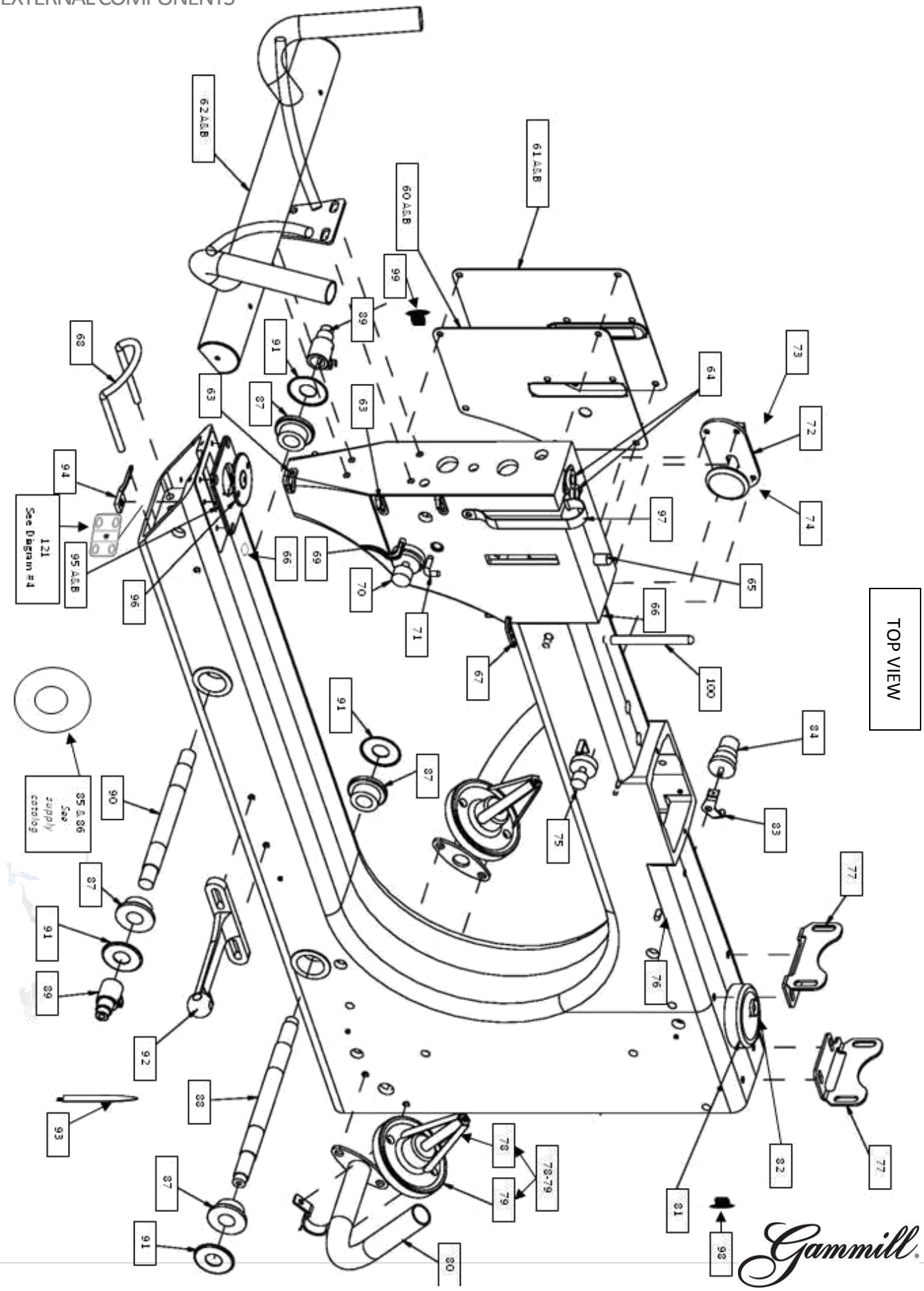
DIAGRAM #1 INTERNAL COMPONENTS



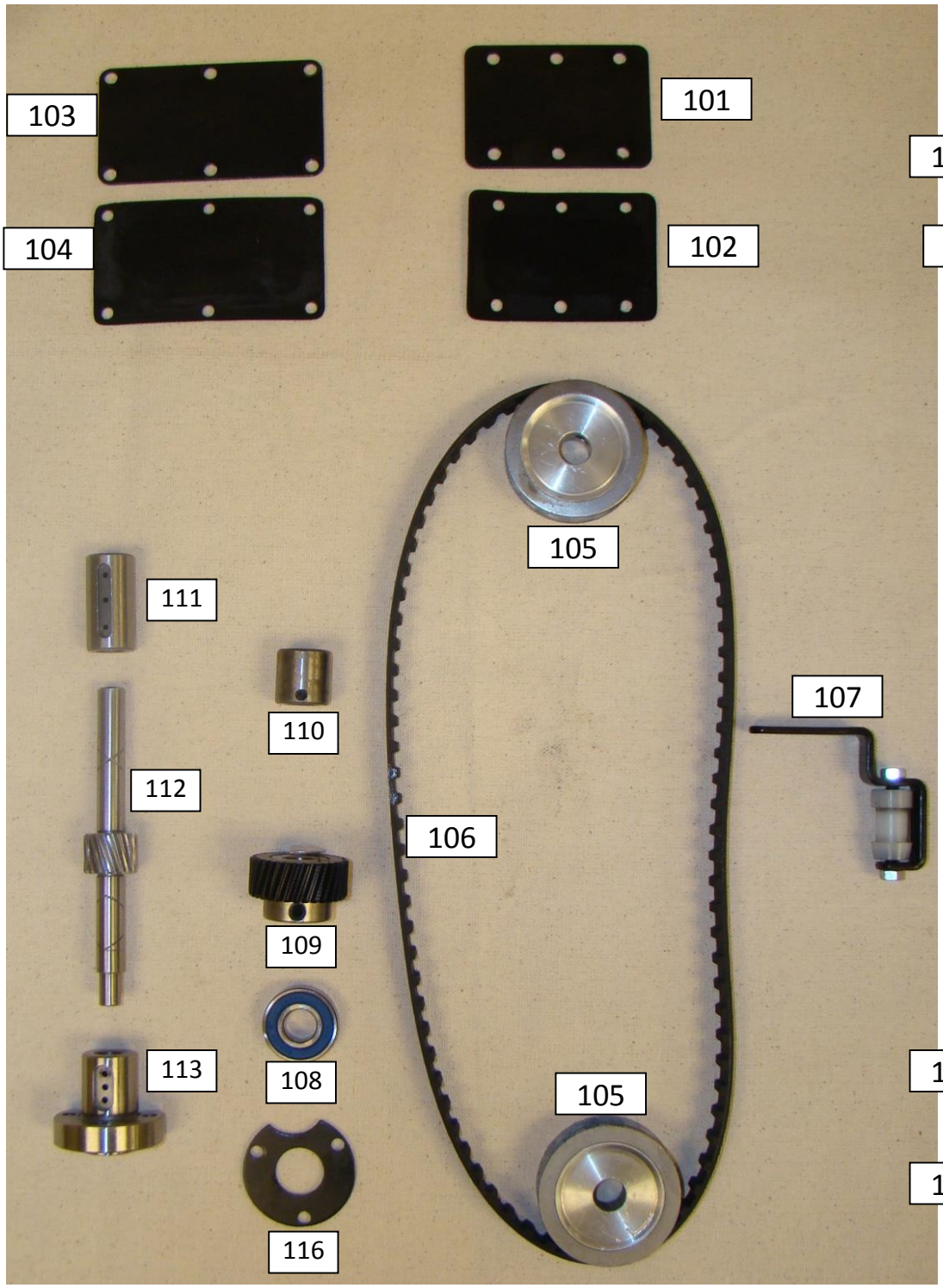
TOP VIEW

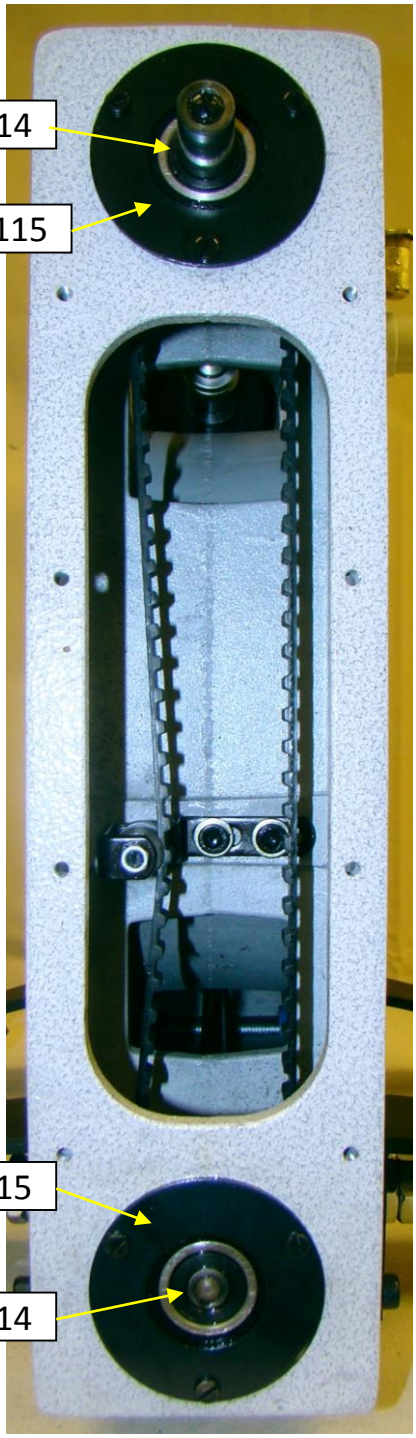
NOTE (part 130): Please see Diagram 4 Misc Parts.

DIAGRAM #2 EXTERNAL COMPONENTS



Please Note: Item #s - 88, 89, 90 and 91 are for 36" machines only. All other models carry the Breeze Track System, featured on Diagram #4 - Misc Parts





Part numbers are found in the Parts Index, page 10

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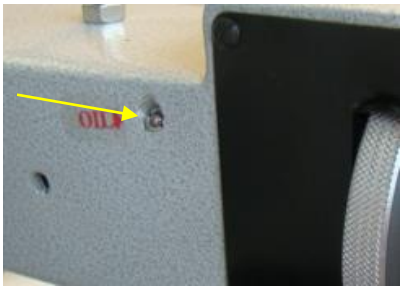

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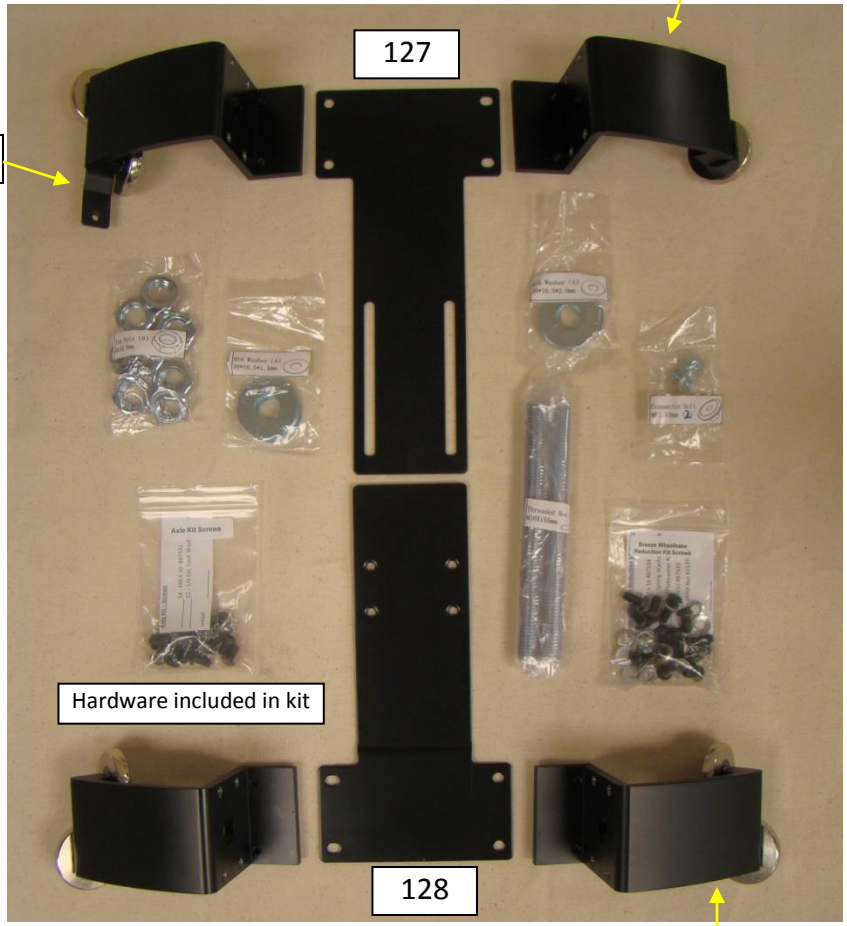

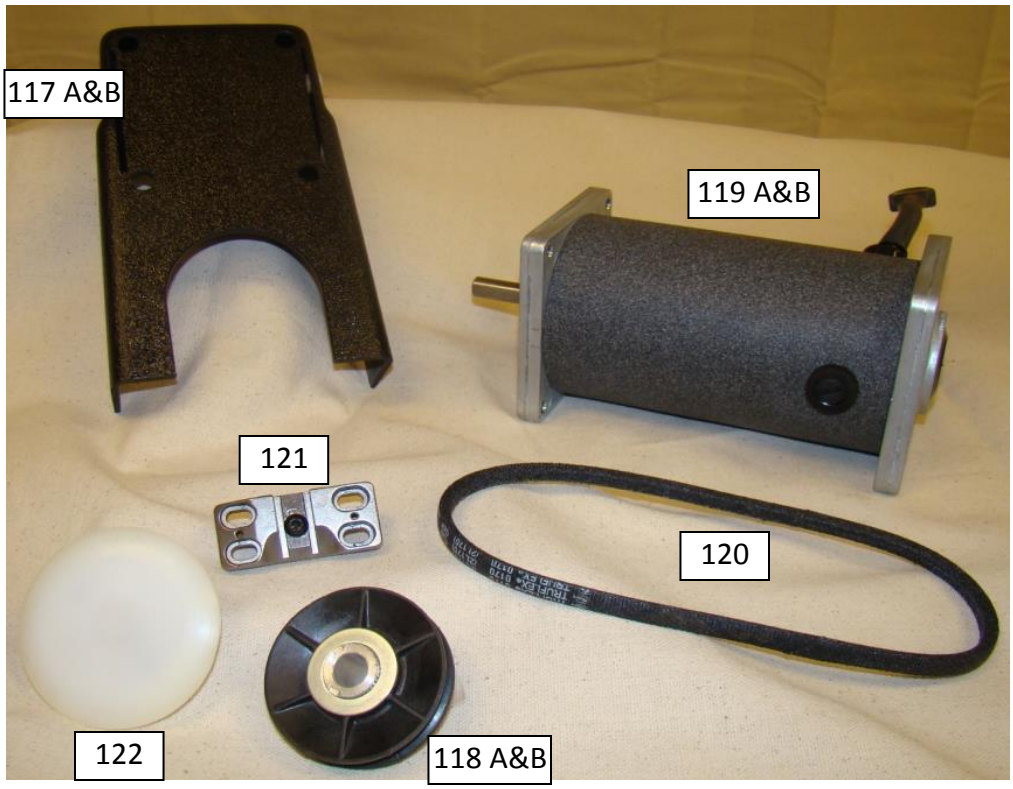

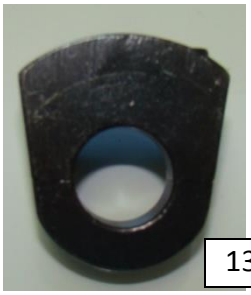

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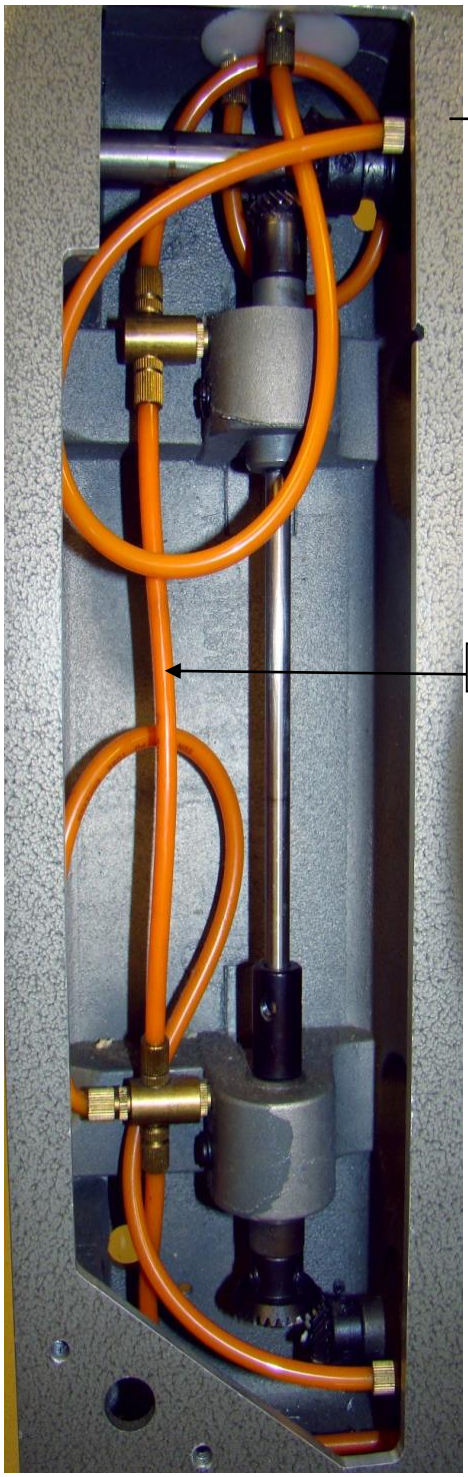
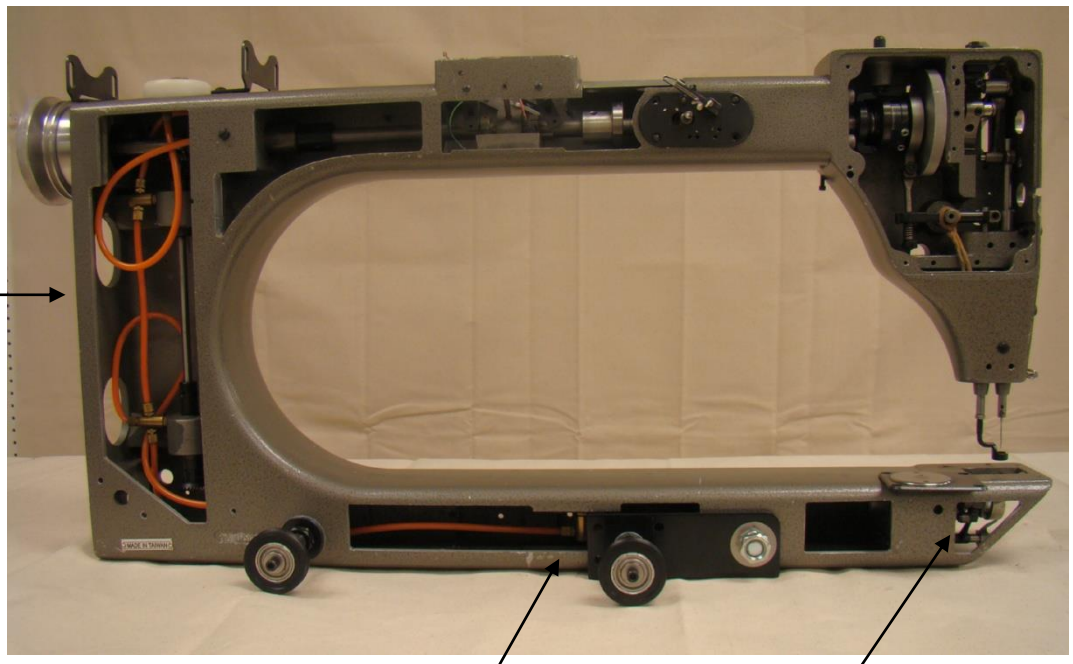
Part numbers are found in the Parts Index, page 10





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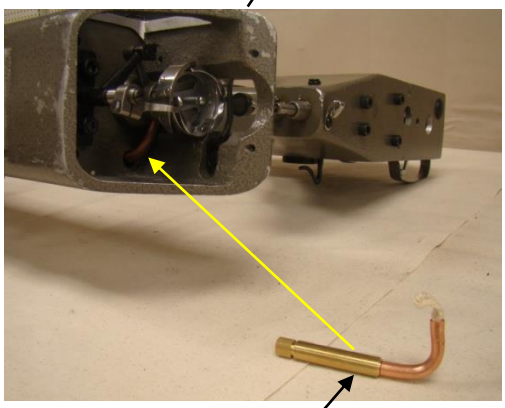

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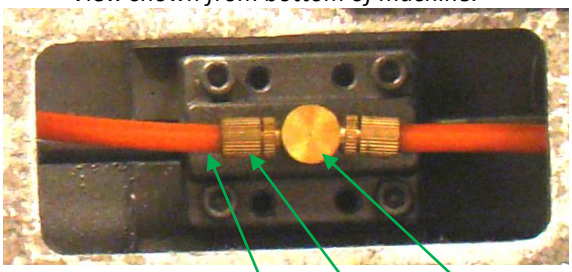
View shown from bottom of machine.



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Part numbers are found in the Parts Index, page 10

Gammill

DIAGRAM #1 - INTERNAL COMPONENTS						
#	PART #	DESCRIPTION		#	PART #	DESCRIPTION
1A	00-1419	Needle Bar - 18" (aluminum)		27	00-1602	Presser Bar Bushing, Upper (18", 26", 30" & 36")
1B	00-1417	Needle Bar - 22" & 26" (aluminum)		28	00-1602	Presser Bar Bushing, Lower (18", 26", 30" & 36")
1C	00-1418	Needle Bar - 30" (aluminum)		29	00-1602	Presser & Needle Bar Bushing (22")
1D	00-1420	Needle Bar - 36" (aluminum)		30A	00-1618	Presser Bar (18")
1-1	00-1401	Needle Set Screw		30B	00-1608	Presser Bar (22" & 26")
2	00-1402	Lower Needle Bar Bushing		30C	00-1609	Presser Bar (30")
3	00-1402	Upper Needle Bar Bushing		30D	00-1610	Presser Bar (36")
4	00-1601	Bar Clamp, Needle & Presser		31	GAM-GUIDE FT2	Hopping Foot
5	10-2001	Take Up Lever Complete		32	00-1403	Needle Positioner Collar
11	00-2001	Take Up Lever Mechanism-Pin Bracket		33A	00-2003	Top Shaft Center Bearing & Housing (22")
12	00-0301	Counterbalance		33B	00-2003	Top Shaft Center Bearing & Housing (26", 30" & 36")
12-1	00-2006B	Top Shaft Bearing, Head Box		34A	00-2004L	Top Shaft Grease Cover, Left (22", 26", 30" & 36")
13	00-0801	Handwheel, Needle End		34B	00-2004R	Top Shaft Grease Cover, Right (22", 26", 30" & 36")
14A	00-0101	Adjustable Stroke Cam Rod (18" & 22")		35	00-2005	Top Shaft Gear (22", 26", 30" & 36")
14B	00-0101	Adjustable Stroke Cam Rod (26", 30" & 36")		36	00-2005A	Top Shaft Bearing Coupler, Motor End (22", 26", 30" & 36")
15A	00-0102A	Adjustable Stroke Cam (18” & 22”)		37	00-2006	Top Shaft Bearing, Motor End (22", 26", 30" & 36")
15B	00-0102	Adjustable Stroke Cam (26”, 30” & 36”)		38	00-2006A	Top Shaft Housing, Motor End External (22", 26", 30" & 36")
16	00-2002	Top Shaft Bearing, Lollipop		39	00-0803	Handwheel & Top Shaft Drive Pulley
17	00-2002A	Top Shaft Bushing, Needle End		40	00-2007	Top Shaft Collar, Long
18	00-0201	Bobbin Winder Disk Drive		41A	00-2007A	Top Shaft Bushing, Motor End (18")
19	00-0901	Intermittent Bearing (22", 26", 30" & 36")		41B	00-2008	Top Shaft Bushing, Motor End (22", 26", 30" & 36")
20	00-0901A	Intermittent Cam (22", 26", 30" & 36")		42	00-0303	Top Shaft Collar, Short, Motor End
21A	00-2033	Top Shaft (18")		43	00-2201	Vertical Shaft Gear, Upper (22", 26", 30" & 36")
21B	00-2000	Top Shaft (22")		44A	00-2204	Vertical Shaft (22" & 26")
21C	00-2022	Top Shaft (26")		44B	00-2205	Vertical Shaft (30")
21D	00-2023	Top Shaft (30")		44C	00-2206	Vertical Shaft (36")
21E	00-2024	Top Shaft (36")		44-1	V.COLLAR	Vertical Shaft Collar
22	00-1801	Rocker Arm Pivot Pin		45A	00-2202U	Vertical Shaft Bushing, Upper (22", 26", 30" & 36")
23	00-1802	Rocker Arm, no bearing		45B	00-2202L	Vertical Shaft Bushing, Lower (22", 26", 30" & 36")
23-1	00-1803	Rocker Arm, Slide Pin		46A	00-0804L	Hook Shaft Grease Cover, Left (22", 26", 30" & 36")
24	00-1804	Rocker Arm Ball Joint Bearing		46B	00-0804R	Hook Shaft Grease Cover, Right (22", 26", 30" & 36")
25	00-1903	Spring		47	00-2203	Vertical Shaft Gear, Lower (22", 26", 30" & 36")
26	00-0302	Collar		48	00-0805	Hook Shaft Gear (22", 26", 30" & 36")

DIAGRAM #1 - INTERNAL COMPONENTS(Continued)						
#	PART #	DESCRIPTION		#	PART #	DESCRIPTION
49	00-0806	Hook Shaft Bushing, Motor & Needle End (22", 26", 30" & 36")		53-58	10-1801	Rocking Mechanism Linkage, Complete Unit (22", 26", 30" & 36")
50	00-0807	Hook Shaft Collar, Motor End (22", 26", 30" & 36")		53	00-0305	Rocking Mechanism Connecting Pin (22", 26", 30" & 36")
51A	00-0824	Hook Shaft (18")		54	00-0306	Rocking Mechanism Cam Linkage (22", 26", 30" & 36")
51B	00-0822	Hook Shaft (22")		55	00-1301	Rocking Mechanism Mounting Bracket Pivot Arm (22", 26", 30" & 36")
51C	00-0813	Hook Shaft (26")		56	00-0809	Rocking Mechanism Hook Rocking Finger (22”, 26”, 30” & 36”)
51D	00-0814	Hook Shaft (30")		57	00-1805	Rocking Mechanism Timing Cam (22”, 26”, 30” & 36”)
51E	00-0815	Hook Shaft (36")		58	00-1806	Rocking Mechanism Mounting Bracket (22”, 26”, 30” & 36”)
52	00-0304	Center Hook Shaft Bushing (22", 26", 30" & 36")		59	00-0810	Hook #18033

DIAGRAM #2 - EXTERNAL COMPONENTS						
#	PART #	DESCRIPTION		#	PART #	DESCRIPTION
60A	MISC1	Gasket (18" & 22")		79	00-2021	Thread Stand Helicopter Blade
60B	00-1902G	Gasket (26", 30" & 36")		80	HANDLES (REAR)	Universal Rear Handles
61A	00-1901	Inspection Plate (18" & 22")		81	00-1505	Oil Reservoir
61B	00-1902	Inspection Plate (26", 30" & 36")		82	00-1504	Oil Reservoir Lid
62A	HANDLES (FRONT)	Universal Front Handles (18", 22", 26" & 30")		83	84-0206	Bobbin Winder Tension Thread Guide
62B	00-1503	Front Handles (36")		84	84-0207	Bobbin Winder Tension Complete
63	00-2017	Thread Guide		85	8-3025	Easy Glider Wheel (V-Shaped) (36”)
64	00-1406	Bar Oiler, Needle & Presser		86	8-3111	Beveled Wheel (36”)
65	00-0205	Stroke Adjustment Button		87	00-0103	Axle Rubber Cushion
66	00-2013	Bearing Oiler		88	00-1905	Straight Axle (36")
67	00-2014	Thread Guide, 3-hole		89	00-0105	Axle Adjusting Collar (36”)
68	00-0812	Hook Guard		90	00-0307	Cushioned Axle (36")
69	00-0703	Gooseneck, Long		91	00-0109	Black Washer, Axle Hole, Non-Breeze
70	10-2002S	Rotary Checkspring Assembly Complete		92	00-1910	T-Bracket
71	00-0704	Gooseneck, Short		93	00-1917	T-Bracket Pin, Short & Long (specify machine model)
72	00-0217	Bobbin Winder Complete		94	00-0811	Hook Retainer Bracket
73	00-0215	Bobbin Winder Spindle Spring		95A	00-2010	Throat Plate (18")
74	00-0216	Bobbin Winder O-Ring (Large)		95B	00-2009	Throat Plate (22", 26", 30" & 36")
75	10-0901	Intermittent Tension Complete		96	00-1404	Needle Plate
76	00-2030	Post Thread Guide		97	00-2012	Take-Up Lever Guard
77	00-1302	Motor Bracket Set		98	00-0902	Inspection Plug, Small
78-79	00-2019	Thread Stand Complete		99	00-0902A	Inspection Plug, Large
78	BASE	Thread Stand Base		100	SL-POST	Stencil Post

DIAGRAM #3 - 18" INTERNAL COMPONENTS						
#	PART #	DESCRIPTION		#	PART #	DESCRIPTION
101	18-1000	Gear Box Cover		109	00-0828	Lower Drive Shaft Gear
102	18-1001	Gear Box Cover Gasket		110	00-0825	Lower Drive Shaft Bushing
103	18-1002	Bottom 18-8 Cover		111	00-0808	Hook Shaft Bushing, Rear
104	18-1003	Bottom 18-8 Cover Gasket		112	00-0824	Hook Shaft & Gear
105	18-1004	Timing Belt Pulley		113	18-1009	Hook Shaft Bushing, Front
106	00-0709	Timing Drive Belt		114	18-1006	Rear Bearing, Upper & Lower
107	70-7072	Timing Belt Tension Bracket		115	18-1007	Upper & Lower Rear Bearing Cover
108	18-1005	Lower Drive Shaft Bearing, Front		116	18-1008	Lower Drive Shaft Bearing Front Cover

DIAGRAM #4 - MISCELLANEOUS PARTS						
#	PART #	DESCRIPTION		#	PART #	DESCRIPTION
117A	70-0703GV	Belt Guard (18")		123	00-1507	Oiler Cup, Small (18")
117B	70-0702GV	Belt Guard (22", 26", 30" & 36")		124	18-1010	Ball Oiler, Screw-in
118A	00-1300	Motor Pulley *[2" 5/16]* (18")		125	B1001	Wheel Extrusion
118B	00-1303	Motor Pulley *[2" 3/8]* (22", 26", 30" & 36")		126	B1002	Top Encoder Bracket
119A	81-1300	Motor (18")		127	B1003	Universal Wheel Plate A
119B	81-1310	Motor (22", 26", 30" & 36")		128	B1004	Universal Wheel Plate B
120	00-1325	17" Motor Belt		129	BREEZE-WHEELS	Breeze Wheels
121	22-1000	Adjustment Bracket for Retainer Bracket (22")		130	00-0301	Counterweight
122	00-0108	Large White Inspection Plug (22", 26", 30" & 36")				

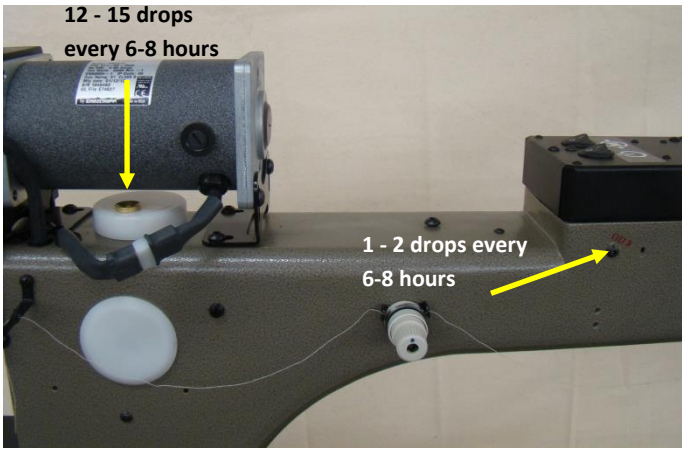
DIAGRAM #5 - OIL LINE ASSEMBLY						
#	PART #	DESCRIPTION		#	PART #	DESCRIPTION
6	00-1807	Rocking Mechanism Cam Oiler (22", 26", 30" & 36")		9	00-1001	Junction Connector (22", 26", 30" & 36")
7	00-0601	Flare Fitting (22", 26", 30" & 36")		10	OIL LINE	Orange Oil Line (22", 26", 30" & 36")
8	00-0602	Flare Nut (22", 26", 30" & 36")				

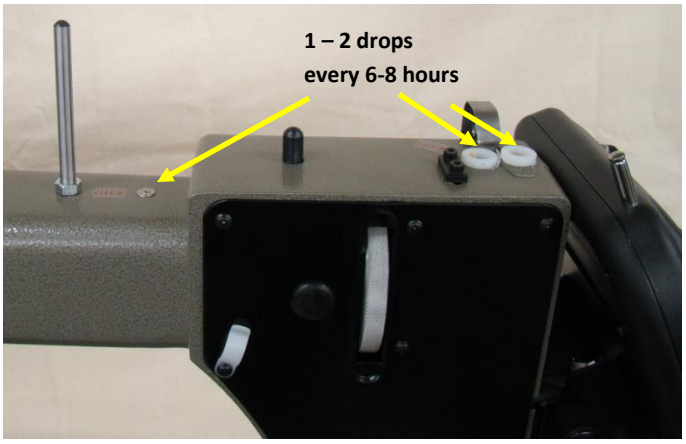
PLEASE NOTE: All Gammill machines come equipped with the following standard supplies:

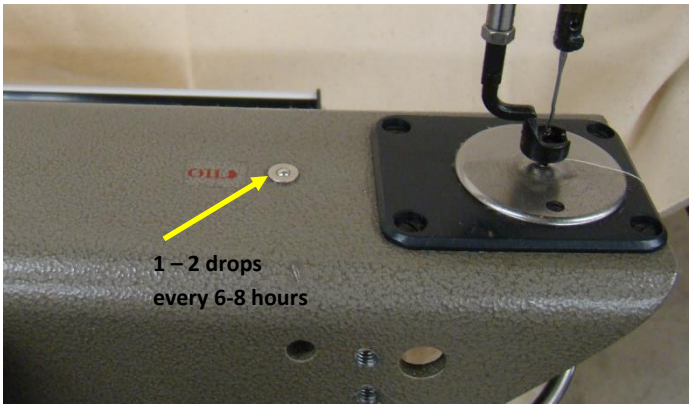
- Size 4.0 Sharp (GB 18) Needles. Other needle sizes are available.
- 00-0214 "M" Style Bobbin Case (with anti-backlash spring)
- BOB-02 "M" Style Bobbins

The pictures below outline the oiling locations for all Gammill longarm models:

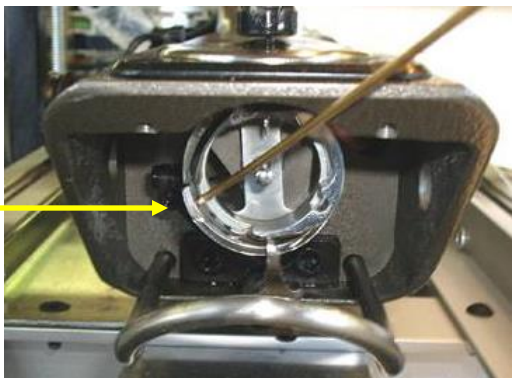
22", 26", 30" & 36" Models



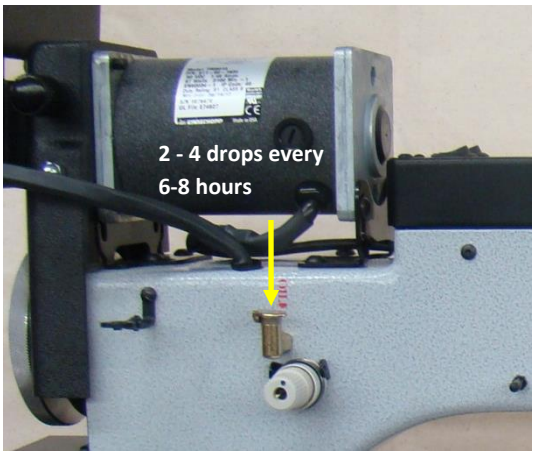




1 drop after every bobbin change.



18" Models



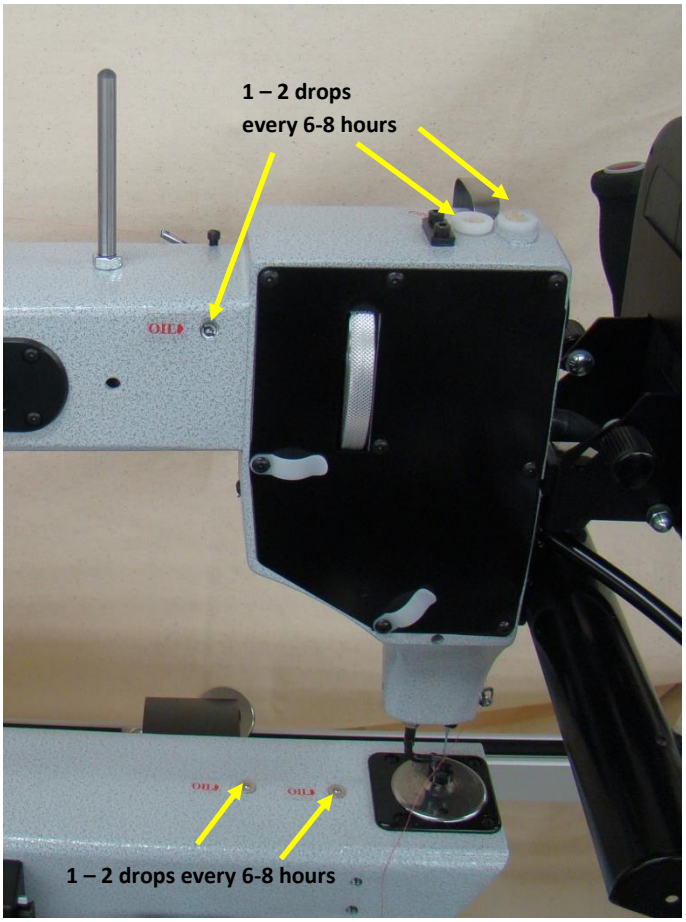


DIAGRAM #7 18" THREADING INSTRUCTIONS

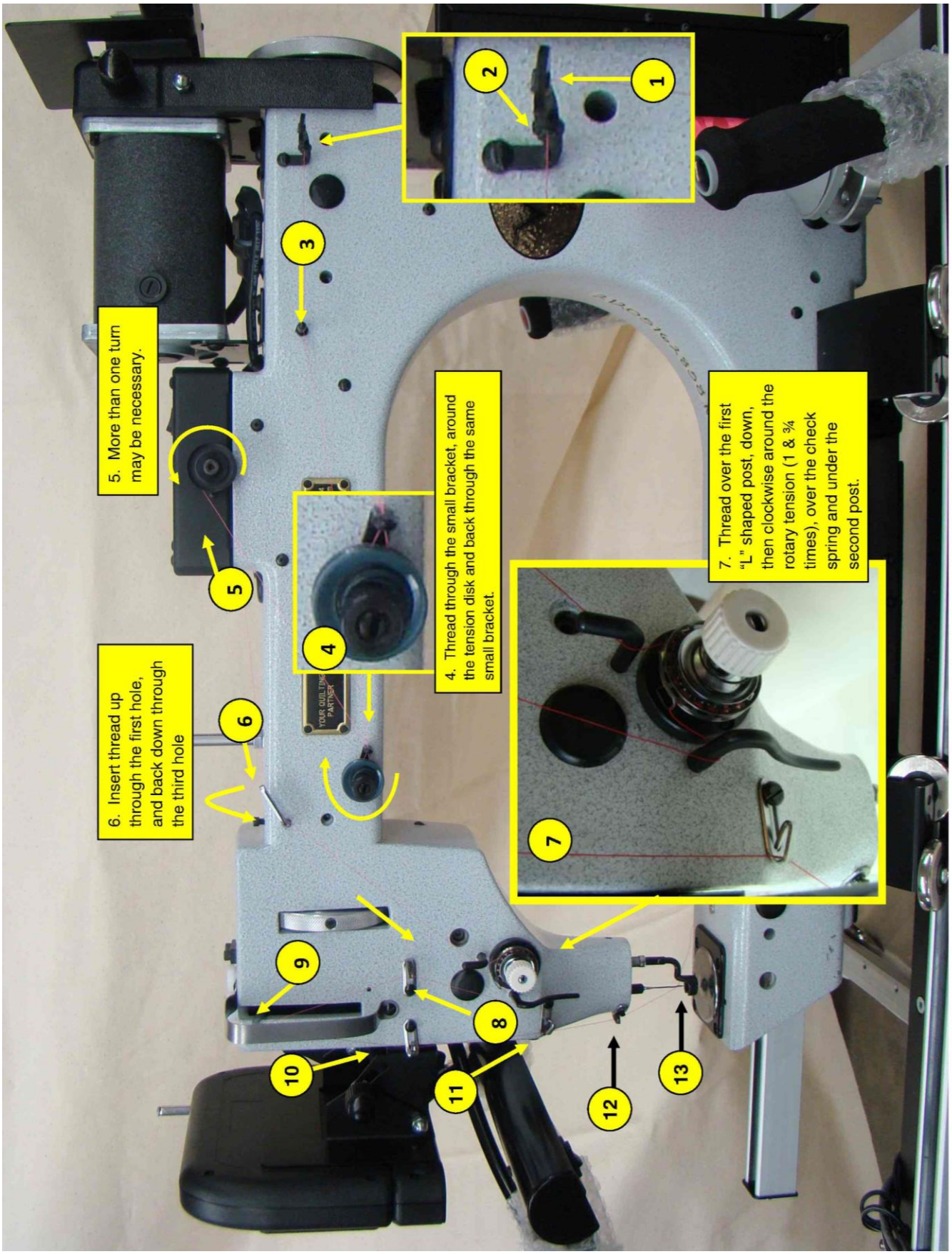


DIAGRAM #8 22" - 36" THREADING INSTRUCTIONS

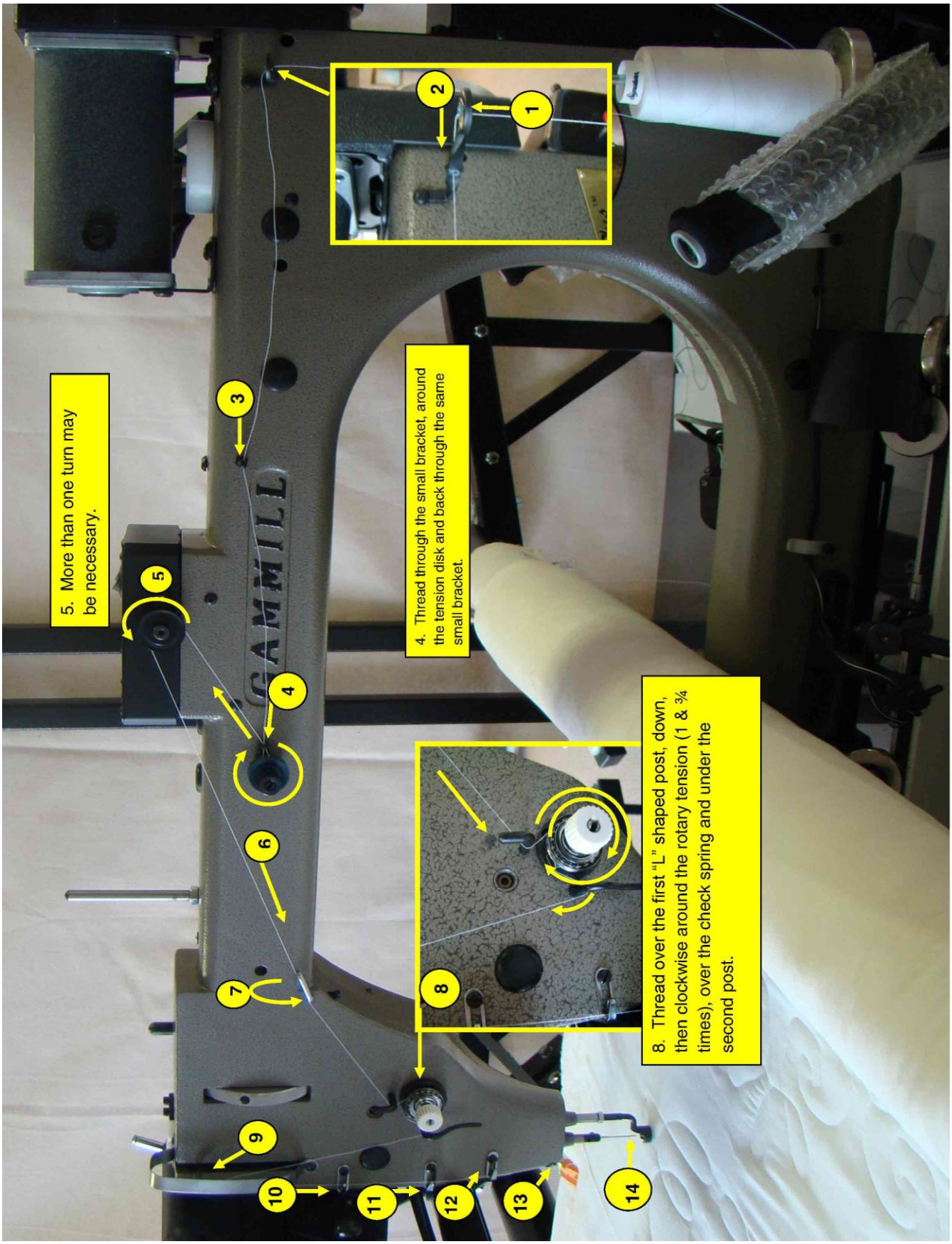
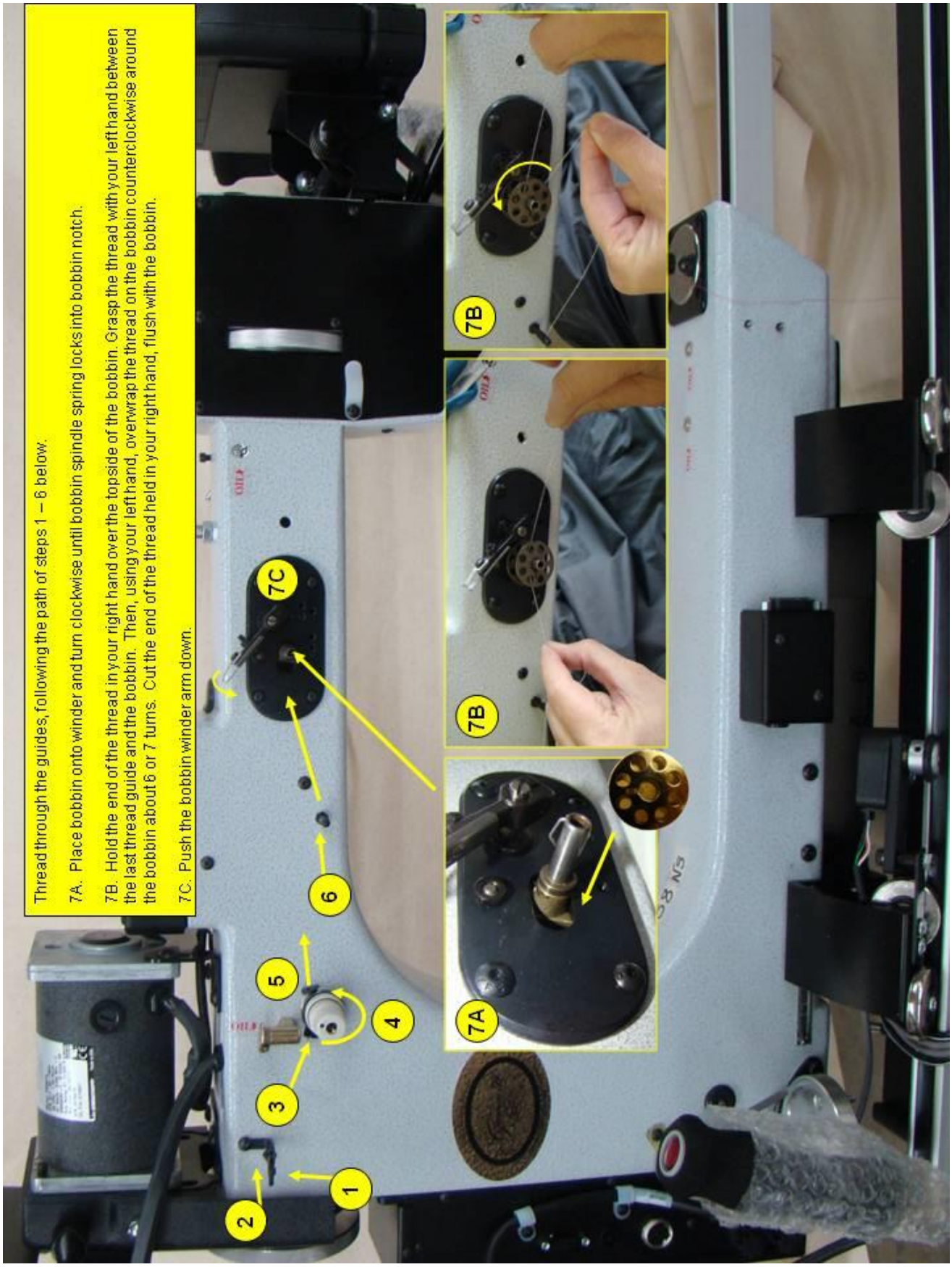


DIAGRAM #9 ON-BOARD BOBBIN WINDER THREADING INSTRUCTIONS



All New Gammill machines come with a warranty. Please see the warranty card that came with your machine for details.

The following items are considered normal wear parts and therefore are excluded from warranty coverage:

- Anti-backlash Spring
- Bobbin Case
- Bobbin Case Spring
- Bobbin Winder O-Ring
- Bobbin Winder Spindle Spring
- Bobbins
- Channel Lock Cords
- Decals
- Encoder Cords
- Encoder O-rings
- Encoder Springs
- Fabric Leaders and/or Zippers
- Fluorescent Light Bulb
- Foam Handle Grips
- Fuses
- Hook Assembly
- Motor Belt
- Motor Brushes
- Mylar on the Tabletops
- Needle Bar
- Needles
- Oiling Felts and Inserts
- Paint (Cosmetic Surfaces)
- Protective Black Plastic Enclosures
- SD Cards
- Switches (All)
- Tension Check Spring
- Tension Cone Springs and Felts
- Wheels