

DL-430DA
DL-438DA

零件手册

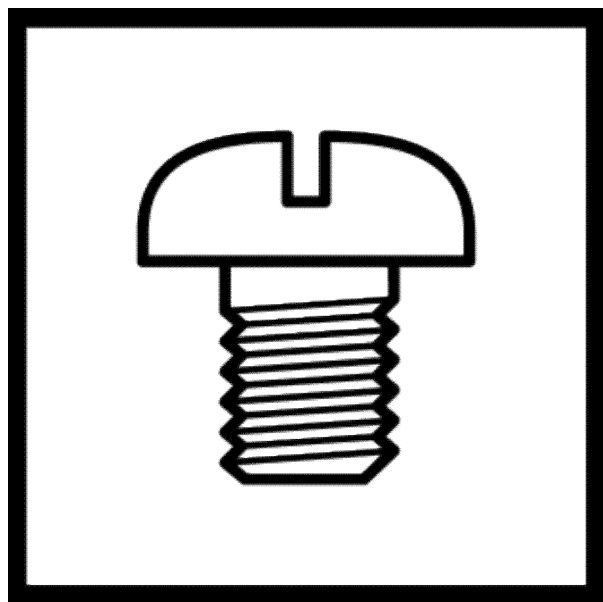
PARTS BOOK

直接驱动式电脑平缝打结机 [DL-430DA]

ELECTRONIC DIRECT DRIVE LOCKSTITCH BAR TACKER [DL-430DA]

直接驱动式电脑平缝钉扣机 [DL-438DA]

ELECTRONIC DIRECT DRIVE LOCKSTITCH BUTTON SEWER [DL-438DA]



DOLLOR

Notes for using this parts book

1. This book was prepared based on information available in December 2025
2. Parts are subject to changes in design without prior notice
3. Parts supplied as complete assemblies are circled by a dotted 

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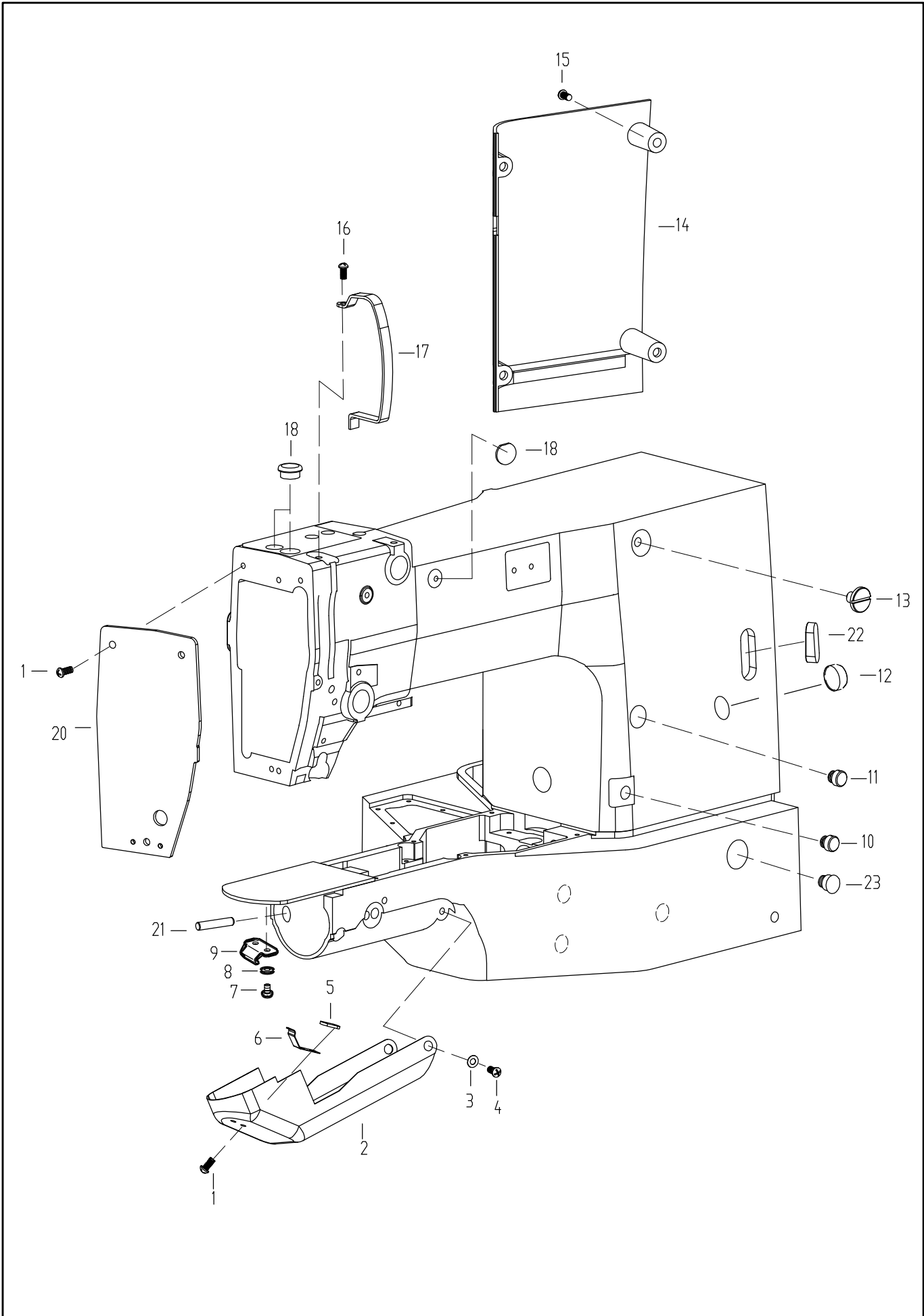
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零件手册的使用说明

1. 本手册是根据截止至2025年12月的资料为基准而编制的。
2. 零部件设计若有变动，恕不另行通知。
3. 以组件为单位供应的部件用 [] 框出。

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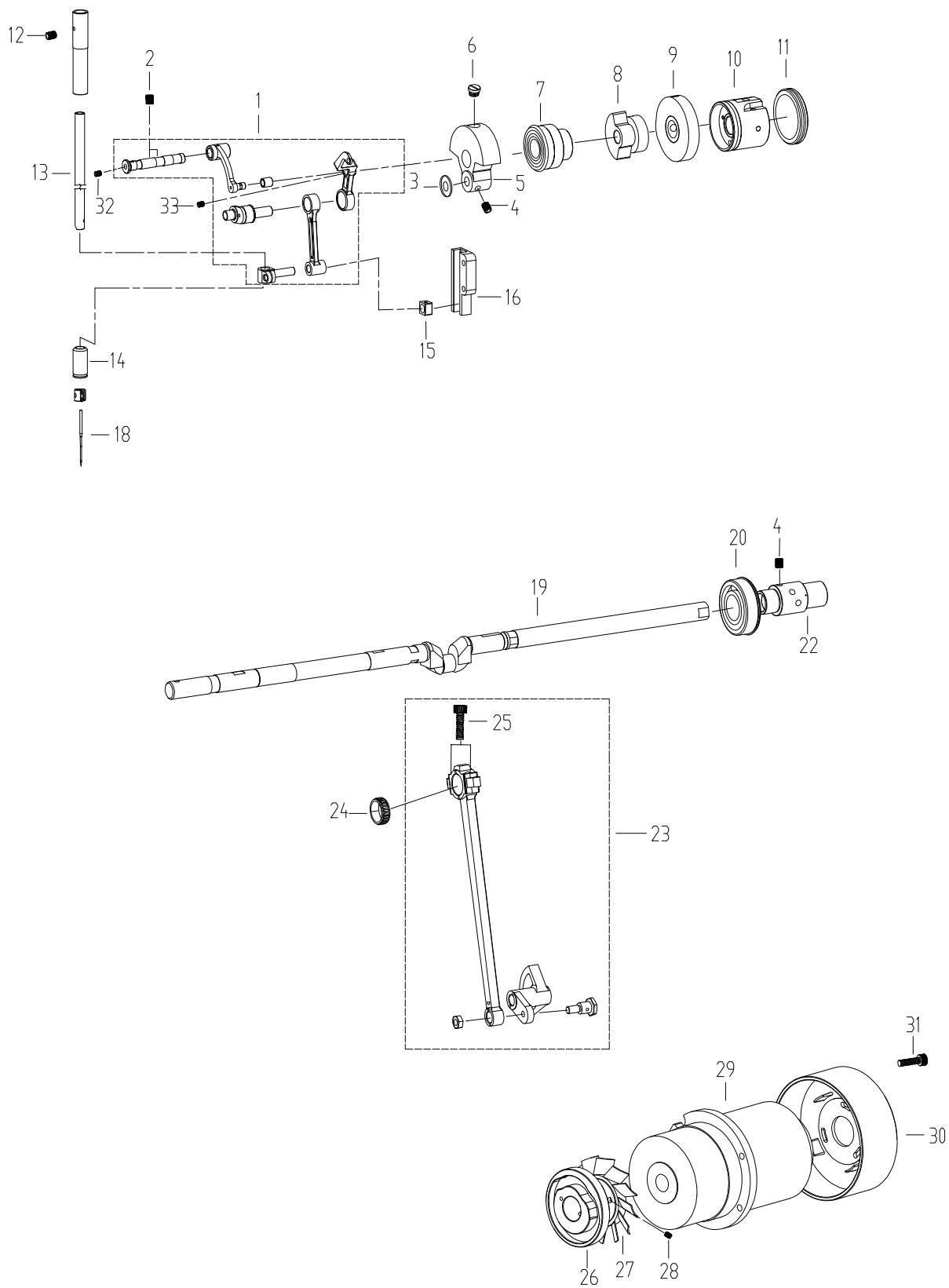
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A. 机体部分\Machine body

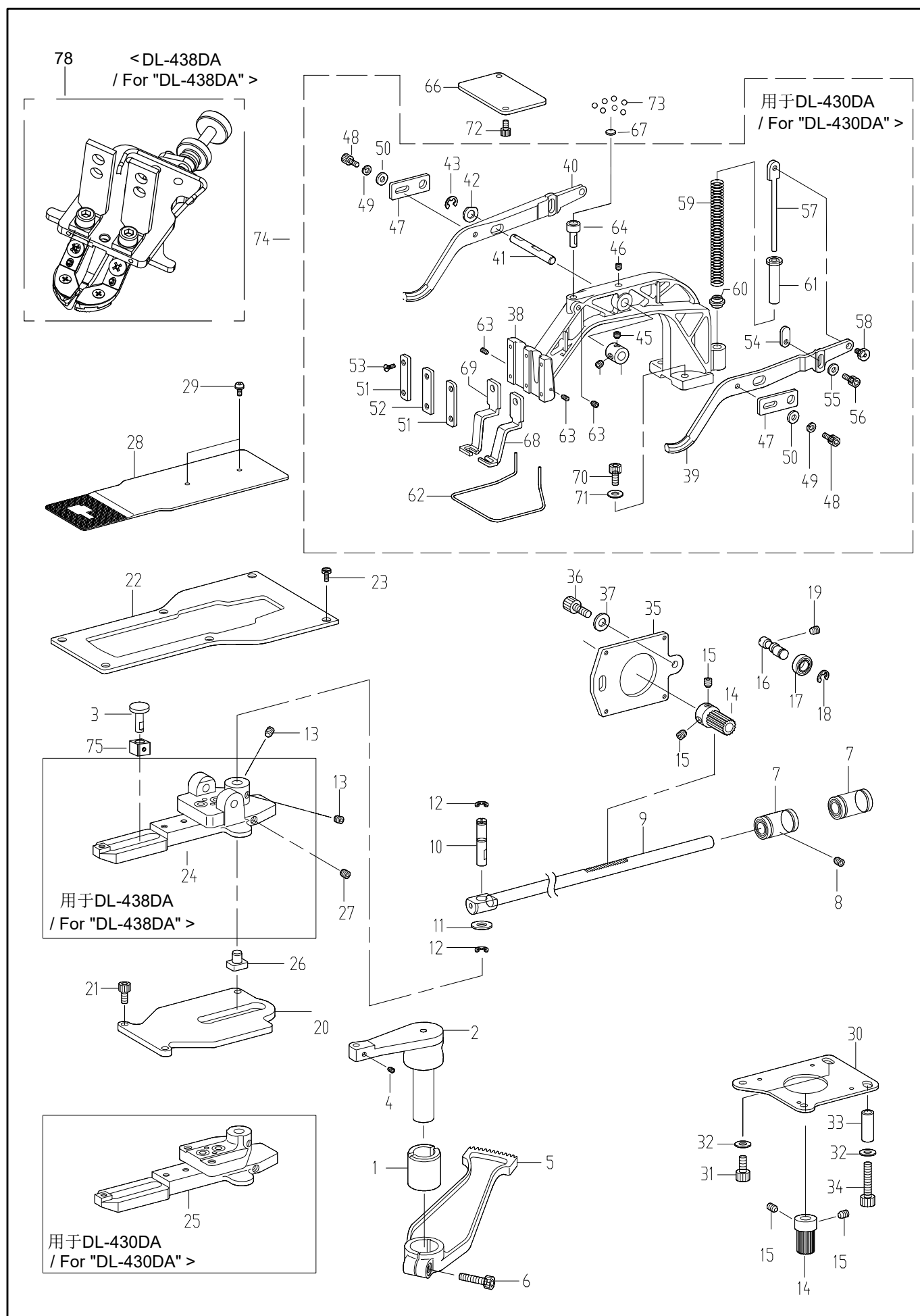
序号	物料代码	名称	英文名称	数量	备注
1	100005318	十字复合槽盘头螺钉M5×10	Cross recessed composite slot pan head screw M5×10	4	
2	100005182	大旋梭盖	Large bottom cover	1	
3	100005186	波形弹簧垫圈	Wave spring washer	2	
4	100005185	段螺钉8-2	Coupling nut-8-2	2	
5	100005184	板螺母	Plate nut	1	
6	100005183	大旋梭盖钩D	Large bottom cover lock pin	1	
7	100005319	十字复合槽盘头螺钉M3×4	Cross recessed composite slot pan head M3×4	2	
8	11060549	平垫圈M3 (025030236)	Flat washerM3 (025030236)	2	
9	100005187	大旋梭盖钩U	Large bottom cover rotating shaft u	1	
10	11060007	橡皮塞10.5	Rubber plug 10.5	5	
11	10002483	透气阀	Vent valve	1	
12	100005404	橡皮塞20.8	Rubber plug 20.8	1	
13	10051608	螺钉	Wall nail	1	
14	100007194	G11侧面盖板(RAL9002)	C11 side cover plate (RL90002)	1	
15	100005315	十字复合槽盘头螺钉M6×10	Cross recessed composite slot pan head screw M6×10	6	
16	100005320	十字复合槽盘头螺钉M4×10	Cross recessed composite slot pan head screw M4×10	1	
17	100005188	挑线杆防护罩	Thread take-up lever guard	1	
18	100000480	橡皮塞13.5	Rubber plug 13.5	2	
20	200007508	430DA面板A喷漆件	430DA panel A spray-painted part	1	
		用于<DL-430DA-0906>	For<DL-430DA-0906>		
	200007585	430DA面板B喷漆件	430DA panel B spray-painted part	1	
21	100005190	圆柱销	Cylindrical pin	1	
22	100011288	橡胶塞	Rubber cap	1	
23	100005404	橡皮塞20.8	Rubber cap20.8	1	

B 上轴. 针杆部分/ Upper shaft and needle bar mechanism



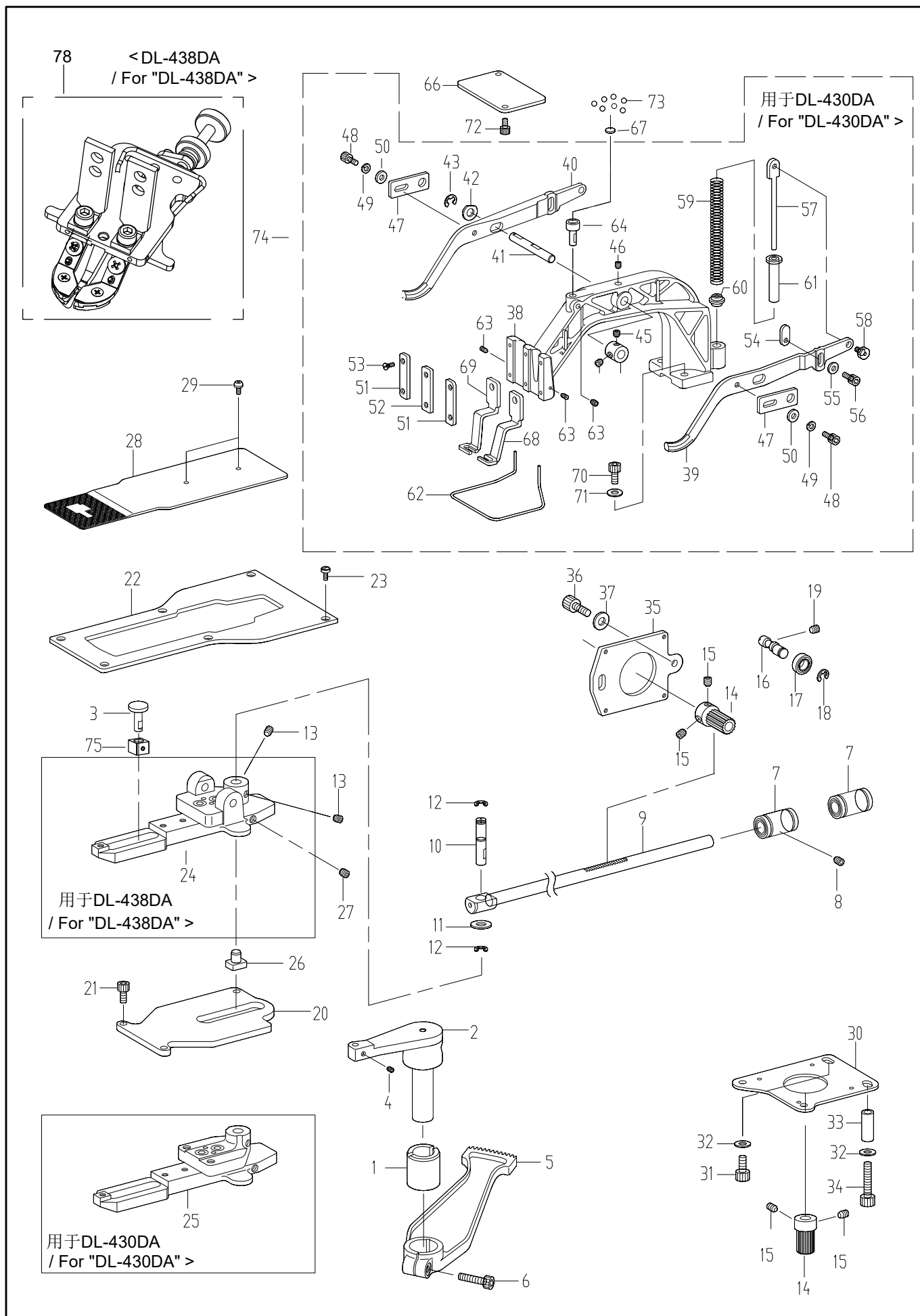
B. 上轴. 针杆部分// Upper shaft and needle bar mechanism

序号	物料代码	名称	英文名称	数量	备注
1	100005225	用于<DL-430DA> 430D挑线杆组件 C	For< DL-430DA> 430Dtake-up lever C	1	
	100006619	用于<DL-438DA> G11-3针杆连杆组件B (钉扣	For< DL-438DA> G11-3take-up lever B (button attaching)	1	
2	100000058	内六角凹端紧定螺钉M6×6	Hexagon Socket Set Screw with Cup Point M6×6	2	
3	11060746	垫圈8	Washer 8	1	
4	100005322	内六角凹端紧定螺钉 M6×0.75-6	Hexagon SocketSet Screw with Cup PointM6×0.75-6	5	
5	100005224	曲柄C	Crank C	1	
6	100005223	开槽圆柱头定位螺钉M8	Slotted Cylinder Head Set ScrewM8	1	
7	200004755	上轴前轴承组件	Upper Shaft Front Bearing Assembly	1	
8	100005144	卷线驱动轮	Bobbin Winder Frame	1	
9	10009172	绕线主动轮	Bobbin Winding Drive Wheel	1	
10	200006469	油泵体柱塞组件	Oil Pump Body Bushing Assembly	1	
11	10039126	油封衬套	Oil Cup Cover	1	
12	100005240	针杆轴套U	Needle Bar Bushing	1	
13	100005239	针杆A	Needle Bar A	1	
14	100005241	针杆轴套D	Needle Bar Bushing D	1	
15	100005237	针杆滑块	Slide Guide Block	1	
16	100005238	滑块导向B	Slide Guide Block B	1	
18	10004897	DP×17 19#风琴机针	DP×17 190A Sewing Machine Needle	1	
19	100011148	430DA上轴	430D Upper Shaft	1	
20	100000121	轴承6204NR-2RS	Bearing 6204NR-2RS	1	
22	100005222	管接头A	Pipe Joint A	1	
	100006617	用于<DL-438DA> 管接头B(钉扣用)	For<DL-438DA> Pipe Joint B(button attaching)	1	
23	100007530	曲柄轴总成 (DL用)	Crankshaft Assembly (for DL)	1	
24	100005217	滚针轴承	Needle Roller Bearing	1	
	100006028	滚针轴承	Needle Roller Bearing	1	
	100006029	滚针轴承	Needle Roller Bearing	1	
	100006030	滚针轴承	Needle Roller Bearing	1	
25	100005321	内六角圆柱头螺钉M5×16	Hexagon Socket Cylinder Head Screw M5×16	1	
26	100005149	切线凸轮	Thread Trimming Cam	2	
27	100005243	叶轮	Impeller	1	
28	100005327	十字复合槽盘头螺钉M4×8	Cross Recess Combined Slot Head Screw M4×8	1	
29	100005680	主轴伺服电机 (RoHS)	Spindle Servo Motor (RoHs)	3	
30	200007517	430DA上轮喷漆件(潘通425C)	430D Upper Wheel Painted Part (Standard 425C)	1	
31	11060035	螺栓(带垫圈)M4×10DB	Bolt (with Washer) M4×10DB	3	
32	100006692	内六角沉头螺钉M5×6	Hexagon Socket Countersunk Head Screw M5×6	1	
33	10010196	M3×3螺钉	M3C×3 Screw	1	



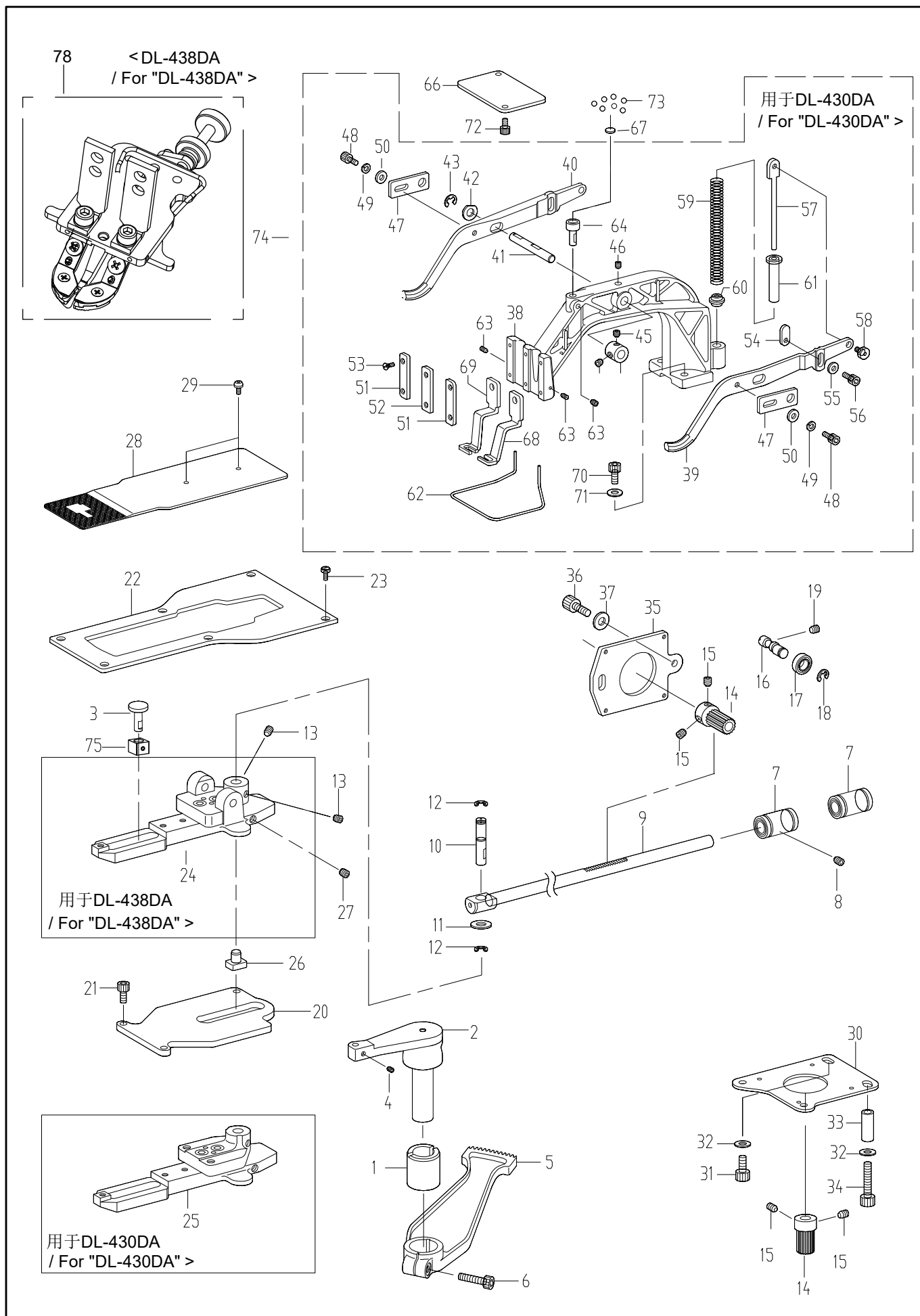
C. 送料部分\Feed mechanism

序号	物料代码	名称	英文名称	数量	备注
1	100005244	送料杆轴套 (X)	Feeding Rod Bushing (X)	1	
2	100005245	送料杆 (X)	Feeding Rod	1	
3	100005247	送料杆滑块轴 (X)	Feeding Rod Slider Bushing (X)	1	
4	100005326	内六角凹端紧定螺钉M5×5	Hexagon Socket Set Screw with Flat Point M5×5	1	
5	100005248	送料齿轮 (X)	Feeding Gear (X)	1	
6	100005328	内六角圆柱头螺钉M6×30	Hexagon Socket Cap Screw M6×30	1	
7	100005249	直线轴承	Linear Bearing	2	
8	100005323	内六角凹端紧定螺钉M6×6	Hexagon Socket Set Screw with Flat Point M6×6	9	
9	100005250	齿条轴	Rack Shaft	1	
10	100005251	轴销 (Y)	Axle Pin (Y)	1	
11	10011622	8×15×0.7垫圈	8×15×0.7 Retaining Ring	1	
12	100000105	挡圈E6	Retaining Ring E6	2	
14	100005252	送料齿轮	Feeding Gear	1	
16	100005253	偏心轴	Eccentric Shaft	1	
17	100005443	轴承608ZZ	Bearing 608ZZ	1	
18	100005939	轴用挡圈C8	Shaft Retaining Ring C8	1	
				2	
20	100005254	送料台支板	Feeding Table Support Plate	1	
21	100005329	内六角圆柱头螺钉M4×10	Hexagon Socket Cap Screw M4×10	2	
22	100005255	送料台盖板	Feeding Table Support Plate	1	
23	100005330	开槽圆柱头螺钉M4×9.5	Slotted Cylinder Head Screw M4×9.5	6	
		用于<DL-438D>	For<DL-438D>		
24	100006620	送料台B (钉扣用)	Feeding Table B (for Buckling)	1	
25	100005256	送料台A	Feeding Table A	1	
26	100005257	送料滑块 (Y)	Feeding Slider (Y)	1	
	100005258	送料滑块轴 (Y)	Feeding Slider Shaft	1	
				3	
28	100005259	送料板 (中厚料)	Feeding Plate (Medium-Thick Material	1	
		用于<DL-430D-H>	For<DL-430D-H>		
	100005260	送料板 (厚料)	Feeding Plate (Thick Material)	1	
		用于<DL-438D>	For<DL-438D>		
	100006638	送料板 (钉扣用)	Feeding Plate (for Buckling)	1	
29	100005331	内六角盘头螺钉SM11/64×40-8.5	Hexagon Socket Pan Head ScrewSM11/64×40-8.5	2	
30	100005261	马达安装板 (X)	Mandala Installation Plate (X)	1	
31	100005332	内六角圆柱头螺钉M6×12	Hexagon Socket Cylinder Head Screw	2	
32	100005090	平垫圈6	Flat Washer 6	3	



C. 送料部分\Feed mechanism

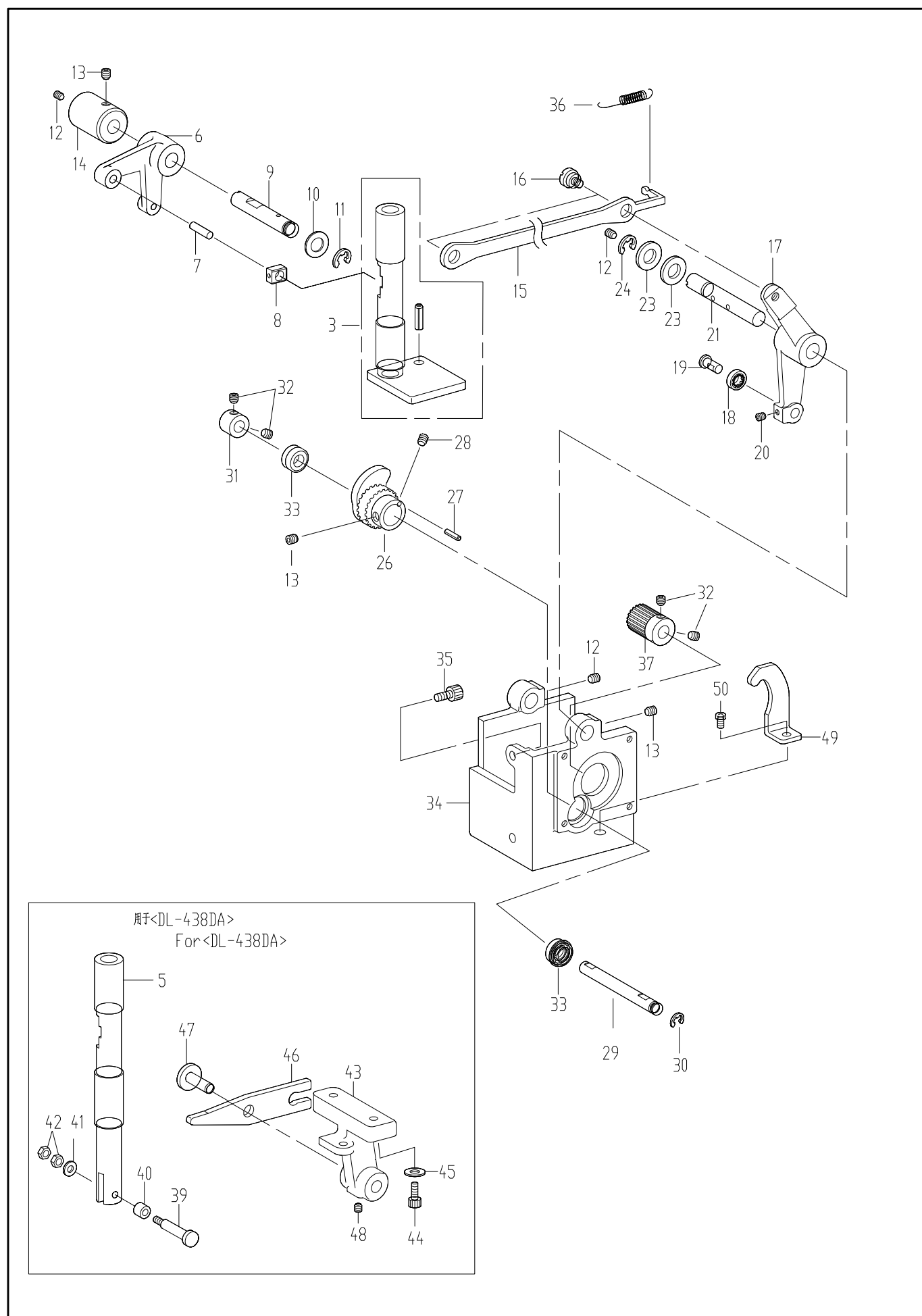
序号	物料代码	名称	英文名称	数量	备注
33	100005262	套筒	Bushing	1	
34	100005333	内六角圆柱头螺钉M6×35	Hexagon Socket Cylinder Head Screw M6×35	1	
35	100005263	马达安装板 (Y)	Mandala Installation Plate (Y)	1	
36	100005332	内六角圆柱头螺钉M6×12	Hexagon Socket Cylinder Head Screw M6×12	2	
37	100005090	平垫圈6	Flat Washer 6	2	
38	100005264	压脚臂	Presser Foot Arm	1	
39	100005265	QC压脚臂杆R	QC Presser Foot Arm R	1	
40	100005266	QC压脚臂杆L	QC Presser Foot Arm L	1	
41	100005267	QC压脚臂杆轴	QC Presser Foot Arm Shaft	1	
42	100001733	垫圈8	Bushing 8	1	
43	100000105	挡圈E6	Baffle Ring 6	1	
44	100005028	紧圈B	Set Screw	1	
45	100005334	内六角凹端紧定螺钉M6×5	Hexagon Socket Countersunk Head Set Screw M6×5	2	
46	100005326	内六角凹端紧定螺钉M5×5	Hexagon Socket Countersunk Head Set Screw M6×5	1	
47	100005208	QC杆轴支架	QC Support Mount	1	
48	100005335	内六角圆柱头螺钉M5×8	Hexagon Socket Cylinder Head Screw M5×8	4	
49	100000510	标准型弹簧垫圈5	Standard Type Spring Washer 5	2	
50	100000997	平垫圈5	Flat Washer 5	2	
51	100005268	压脚板A	Presser Foot Plate A	2	
52	100005269	压脚板B	Presser Foot Plate B	1	
53	100005336	开槽沉头螺钉M3.5×8	Slotted Countersunk Head Screw M3.5×8	2	
54	100005270	压脚高度调节板	Presser Foot Height Adjustment Plate	2	
55	100000222	垫圈5	Washer 5	2	
56	10005335	内六角圆柱头螺钉M5×8	Hexagon Socket Cylinder Head Screw M5×8	2	
57	100005271	弹簧导向杆	Spring Guide Rod	2	
58	100005272	段螺钉M5	Segment Spring M5	2	
59	100005273	弹簧A	Spring A	2	
60	100005274	弹簧座圈	Spring Retaining Ring	2	
61	100005275	弹簧导柱	Spring Guide Sleeve	2	
62	100005276	护指器	Protective Tube Column	1	
63	100005337	开槽平端紧定螺钉M3.5×6	Slotted Flat End Set ScrewM3.5×6	2	
64	100005277	压脚臂短轴	Presser Foot Set Pin	1	
65	100005326	内六角凹端紧定螺钉M5×5	Hexagon Socket Cylinder HeadScrewM5×5	1	
66	100005278	压脚臂支板	Presser Foot Arm Support Plate	1	
67	100005279	钢球垫片	Steel Ball Gasket	1	
68	1000005422	压脚R (中厚料)	Presser Foot R(Medium-heavy material)	1	
69	100005421	压脚L (中厚料)	Presser Foot L(Medium-heavy material)	1	
		用于<DL-430DA-H>	For<DL-430DA-H>		
68	100005280	压脚R (厚料)	Presser Foot R (Heavy material)	1	
69	100005281	压脚L (厚料)	Presser Foot L (Heavy material)	1	
70	100005338	内六角圆柱头螺钉M6×16	Hexagon Socket Head Cap Screw M6×16	2	
71	100005090	平垫圈6	Flat Washer 6	2	
72	100005339	内六角圆柱头螺钉M4×8	Hexagon Socket Head Cap Screw M4×8	2	



C. 送料部分\ / Feed mechanism

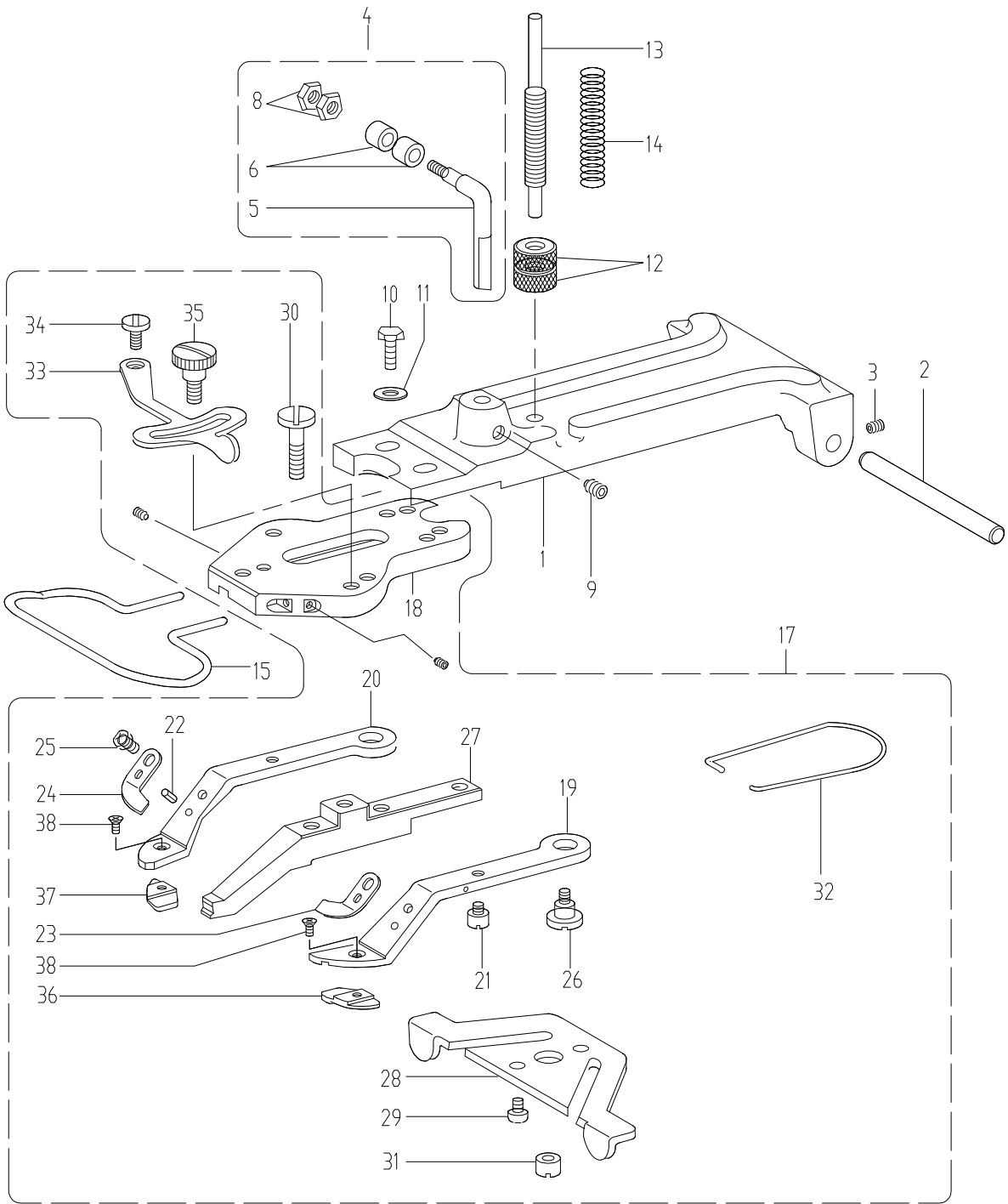
序号	物料代码	名称	英文名称	数量	备注
73	100006169	钢球1/8	Steel Ball 1/8	8	
74	100005305	用于<DL-430DA-H> 送料架总成430D-2（厚料）	For<DL-430DA-H> Feed Frame Assembly 430D-2 (Heavy	1	
	100005533	送料架总成430D（中厚料）	Feed Frame Assembly 430D (Medium-heavy material)	1	
75	100005246	送料杆滑块（X）	Feed Rod Slider (X)	1	
78	100007252	用于<DL-438DA>（简易订扣使用） 438D扣夹组件	For<DL-430DA>(simple button fastening use) 438D Clamp Assembly	1	

D 抬压部分\Work clamp lifter mechanism



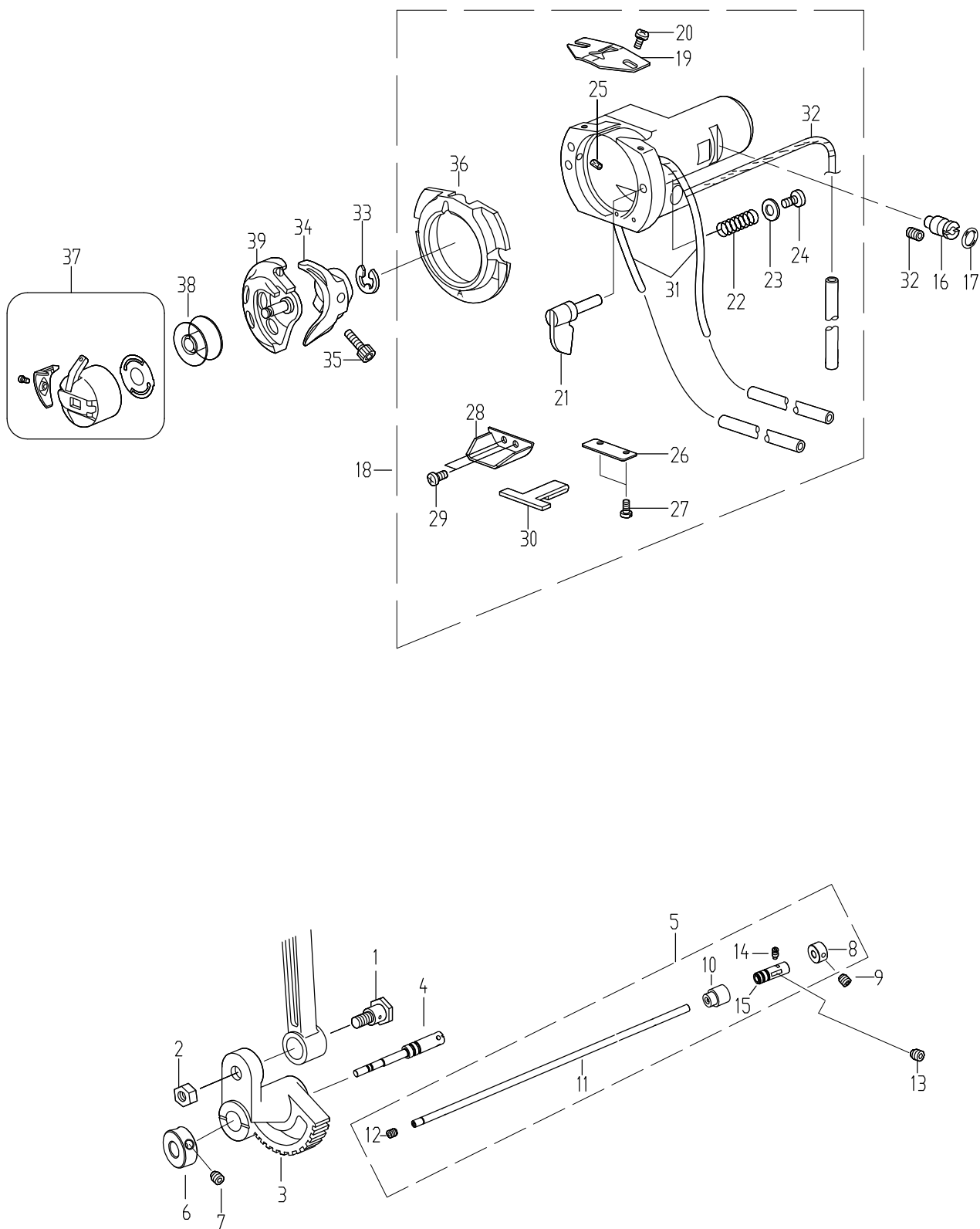
D. 抬压部分\Work clamp lifter mechanism

序号	物料代码	名称	英文名称	数量	备注
3	100005191	抬压压脚板总成	Work Clamp Lifter Presser Foot Assembly	1	
		用于<DL-438DA>	For<DL-438DA>		
5	100006621	夹扣杆	Clamp Lever	1	
6	100005194	抬压曲柄	Lifter Crank	1	
7	100005195	销	Pin	1	
8	100005196	抬压杆滑块	Lifter Lever Slider	1	
9	100005197	抬压杆轴	Lifter Lever Shaft	1	
10	100005919	平垫圈10×20×1	Flat Washer 10×20×1	2	
11	11060408	轴用卡簧E8 0.7厚	Retaining Ring(Snap Ring) E8 0.7mm Thick	1	
12	100005326	内六角凹端紧定螺钉M5×5	Hex Socket Set Screw(Cup Point)M5×5	2	
13	100005323	内六角凹端紧定螺钉M6×6	Hex Socket SeScrew(CupPoint)M6×6	2	
14	100005198	抬压杆轴套	Lifter Lever Bush	1	
15	100005199	抬压杆	Lifter Lever	1	
16	100005200	段螺钉M6	Shoulder Screw	1	
17	100005201	抬压驱动杆	Lifter Drive Lever	1	
18	11060256	轴承R-696ZZ	Bearing R-696ZZ	1	
19	100005014	抬压滚轮销	Lifter Roller Pin	1	
21	100005204	抬压凸轮杆轴	Lifter Cam Lever Shaft	1	
23	100005919	平垫圈10×20×1	Flat Washer 10×20×1	2	
24	11060408	轴用卡簧E8 0.7厚	Retaining Ring (Snap Ring) E8 0.7mm Thick	1	
26	100005205	抬压凸轮齿轮	Lifter Cam Gear	1	
27	100005206	弹簧销	Spring Pin	1	
29	100005207	抬压凸轮轴	Lifter Cam Shaft	1	
30	10008989	开口挡圈	Circlip (Snap Ring)	1	
31	100005028	紧圈B	Collar B	1	
32	100005334	内六角凹端紧定螺钉M6×5	Hex Socket SetScrew(Cup Point)M6×5	2	
33	100005415	轴承688NRZZ	Bearing 688NRZZ	1	
34	100005209	马达底座	Motor Base	1	
35	100005332	内六角圆柱头螺钉M6×12	Hex Socket SetScrew(Cup Point)M6×12	2	
36	100005016	弹簧销	Spring Pin	1	
37	100005211	驱动齿轮16	Drive Gear 16	1	
		用于<DL-438DA>	For<DL-438DA>		
39	100006622	夹扣滚轮轴	Clamp Roller Shaft	1	
40	100006623	滚轮	Roller	1	
41	11060248	平垫圈M4	Flat Washer M4	1	
42	13000602	M4螺母 (GB/T 6170-2000)	M4 Nut (GB/T 6170-2000)	2	
43	100006624	夹扣手柄支架	Clamp Handle Bracket	1	
44	100005338	内六角圆柱头螺钉M6×16	Hex Socket Head Cap ScrewM6×16	1	
45	100005090	平垫圈6	Flat Washer 6	2	
46	100006625	夹扣手柄	Clamp Handle	2	
47	100006626	夹扣杆轴	Clamp Lever Shaft	2	
48	100005323	内六角凹端紧定螺钉M6×6	Hex Socket Head Cap ScrewM6×6	1	



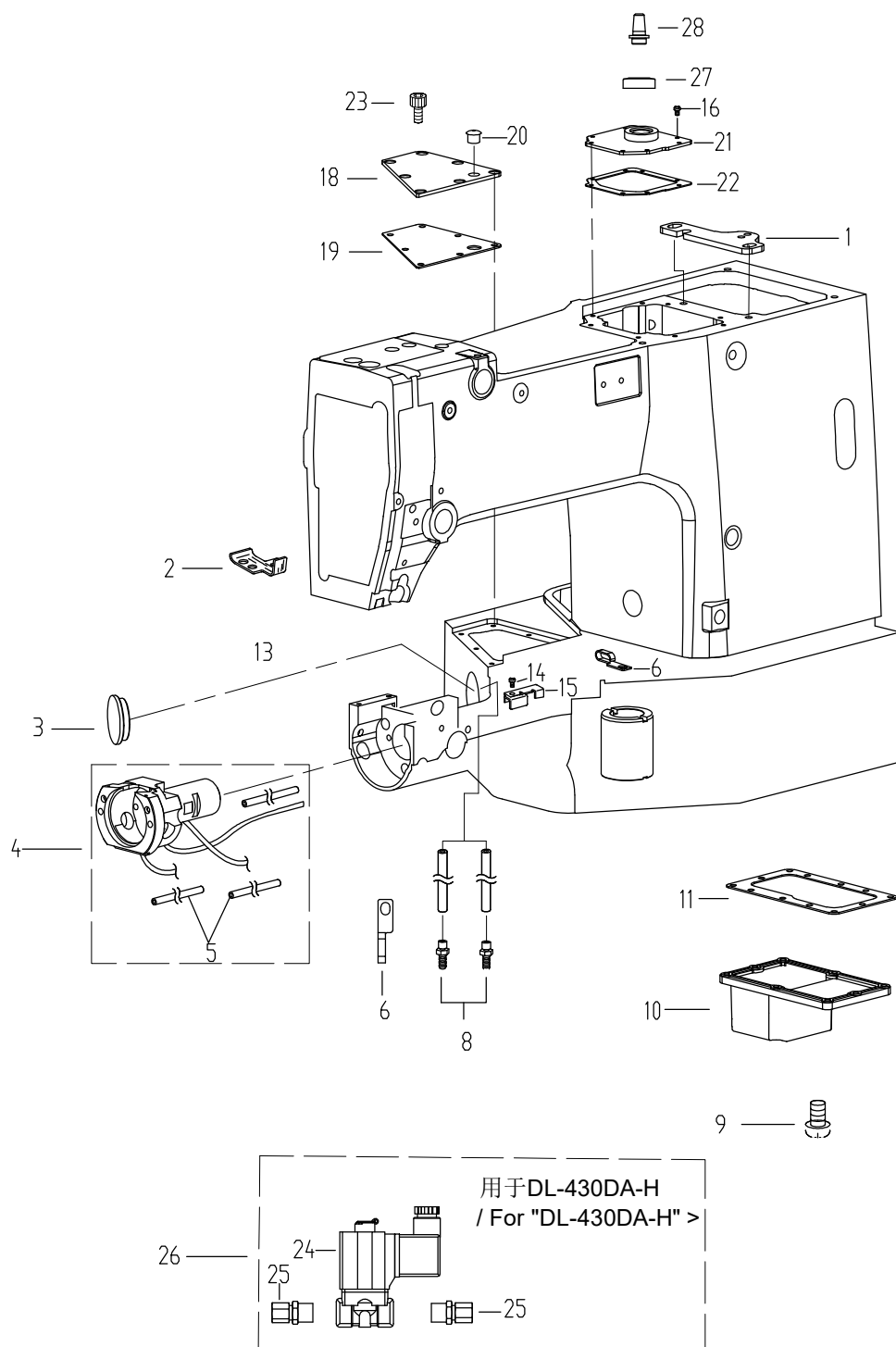
E. 钮夹部分\Button clamp mechanism

序号	物料代码	名称	英文名称	数量	备注
		用于<DL-438DA>	For<DL-438DA>		
1	100006628	钮夹支架	Button Clamp Bracket	1	
2	100006629	钮夹支架轴	Button Clamp Bracket Shaft	1	
3	11050066	SM11/64*40螺钉	Screw SIM11/64×40	2	
4	100006630	支架钩组件	Bracket Hook Assembly	1	
5	100006631	支架钩	Bracket Hook	1	
6	100006623	滚轮	Roller	2	
8	10010370	六角螺母SM11/64×40-2.8	Hex Nut SIM11/64×40-2,8	2	
9	10010678	SM15/64"×28螺钉	Screw SIM15/64"×28	1	
10	10056719	螺钉SM3/16"×32	Screw SIM3/16"×32	1	
11	100000997	防震垫	Shock Absorbing Pad	2	
12	100006632	调整螺母SM1/4×40	Adjusting Nut SIM1/4×40	2	
13	11050066	SM11/64*40螺钉	Screw SIM11/64×40	1	
14	10059169	压脚座复位簧	Presser Foot Holder Reset	2	
15	10059170	手指保护器	Finger Guard	1	
17	11120017	扣夹分组件	Clip Subassembly	1	
18	10059165	压脚连接座	Presser Foot Connector	1	
19	10059159	左压脚座	Left Presser Foot Holder	1	
20	10059163	右压脚座	Right Presser Foot Holder	1	
21	10010970	螺钉	Screw	1	
22	10059177	弹性销	Spring Pin	1	
23	10059172	纽扣左定位板	Button Left Positioning Plate	1	
24	10059173	纽扣右定位板	Button Right Positioning Plate	1	
25	10059171	螺钉	Screw	1	
26	10059178	螺钉	Screw	1	
27	10059161	压脚导向座2	Presser Foot Guide Holder 2	1	
28	10059164	压脚导向座	Presser Foot Guide Holder 2	1	
29	10059199	螺钉	Screw	1	
30	100007272	438D连接座锁紧螺钉M4×10	438D Mounting Bracket Lock Screw M4×10	1	
31	10059193	螺母	Nut	1	
32	10059169	压脚座复位簧	Presser Foot Holder Reset	1	
33	10059166	压脚调节扳手	Presser Foot Adjusting Wrench	1	
34	10059175	压脚连接螺钉	Presser Foot Connecting Screw	1	
35	10059167	扳手定位螺钉	Wrench Positioning Screw	1	
36	10059160	左压脚	Left Presser Foot Holder	1	
37	10059162	右压脚	Right Presser Foot	1	
38	100007262	十字槽沉头螺钉M3×5	Phillips Countersunk Head Screw M3×5	1	



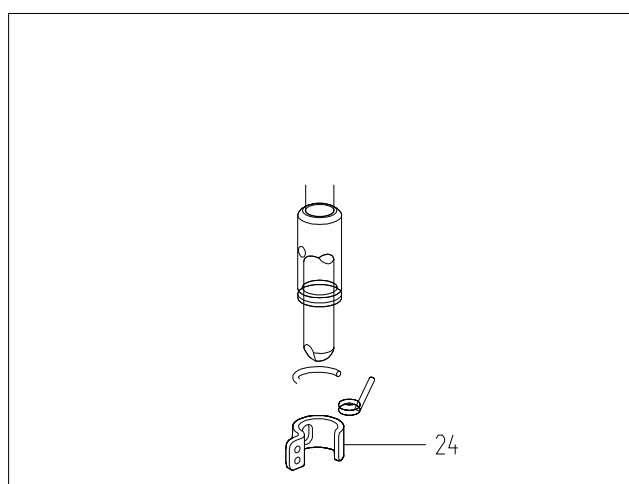
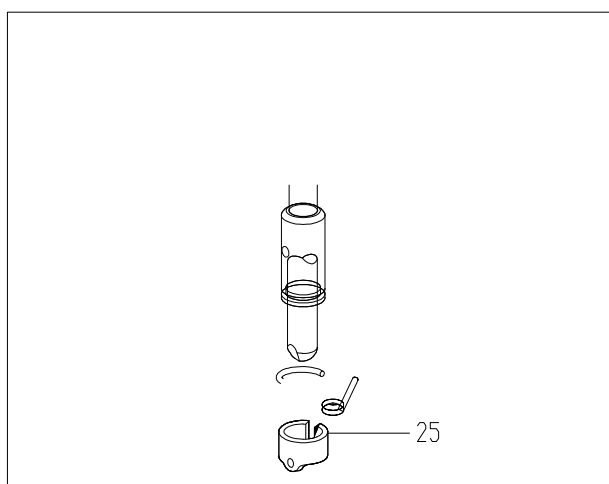
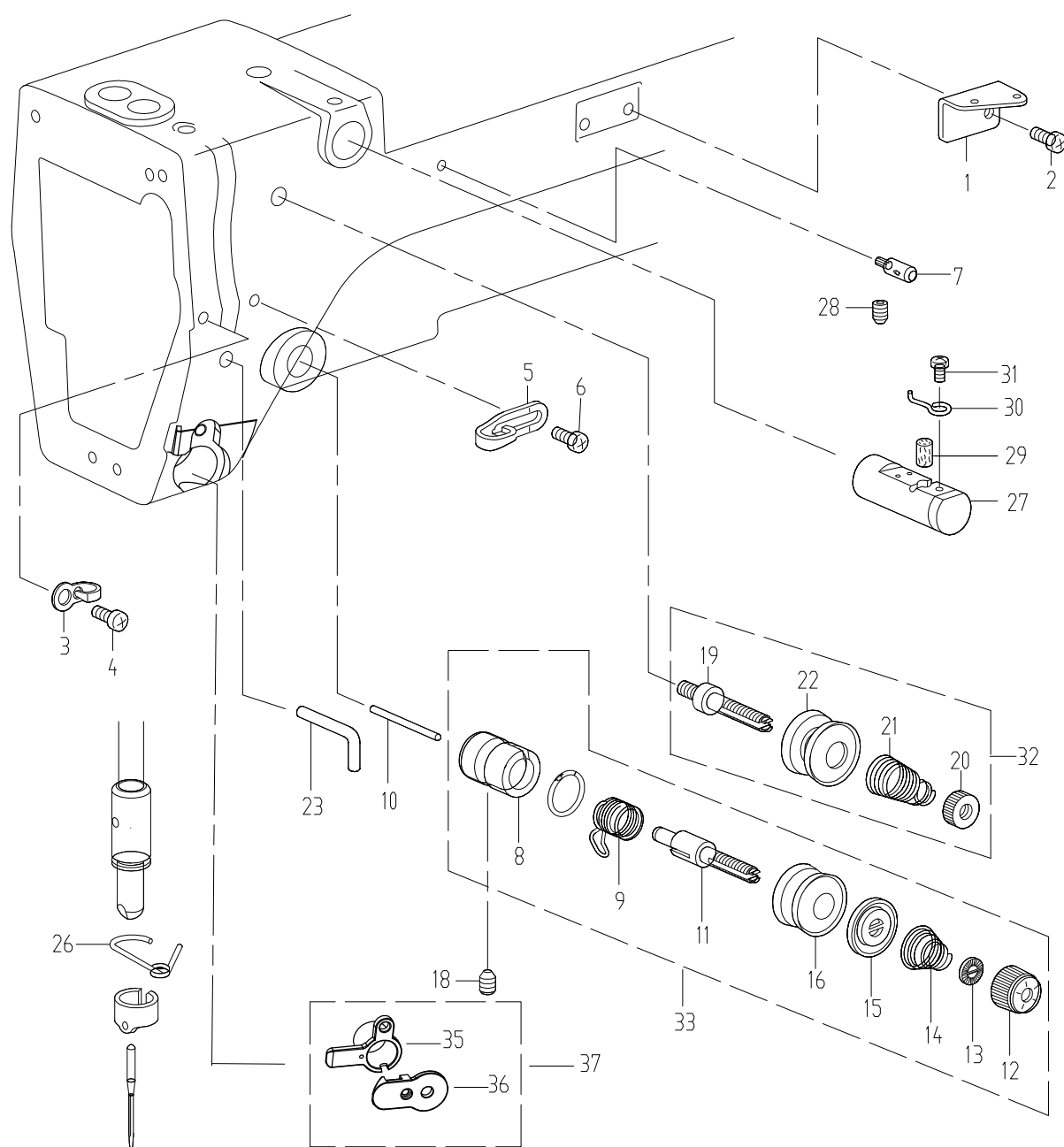
F. 下轴部分\ / Lower shaft mechanism

序号	物料代码	名称	英文名称	数量	备注
1	100005025	摆齿段螺钉	Swing Gear Segment Screw	1	
2	11060651	螺母M6×0.75 (发黑)	Screw M6×0.75 (Blackened)	1	
3	100008256	摆动齿轮 (金亿)	wing Gear (Jinyi)	1	
4	100007695	摆动齿轮轴	Swing Gear Shaft	1	
5	200005995	G12下轴大组件	Bottom Shaft Assembly	1	
6	10037298	挡圈	Retaining Ring	1	
7	11050066	SM11/64*40螺钉	Screw SM11/64*40	1	
8	10005473	挡圈	Retaining Ring	1	
9	100005326	内六角凹端紧定螺钉M5×5	Hex Socket Cup Point Set ScrewM5×5	1	
10	100008290	430D下轴齿轮 (金亿)	430D Lower Shaft Gear (Jinyi)	1	
11	100007699	G12下轴	G12 Lower Shaft Assembly(Jinyi)	2	
12	100005340	内六角凹端紧定螺钉M4×4	Hex Socket Cup Point Set ScrewM4×4	2	
13	100005323	内六角凹端紧定螺钉M6×6	Hex Socket Cup Point Set ScrewM6×6	2	
14	100005041	旋梭调节轴	Knob Adjustment Shaft	1	
15	100007698	G12下轴轴套	G12 Lower Shaft Bush	1	
16	100005041	旋梭调节轴	Knob Adjustment Shaft	1	
17	100005042	o型圈PW3	C-Ring PW3	1	
18	200007622	430DA梭床组件-中厚料	430F Feed Dog Assembly (Medium-Heavy Material)	1	
		用于<DL-438DA-H>	For<DL-438DA-H>		
	100011645	430F梭床组件 (厚料)	430F Feed Dog Assembly (HeavyMaterial)	1	
19	100005044	旋梭线导向	Knob Thread Guide	1	
20	100005341	开槽圆柱头螺钉M3×4	Slotted Pan Head ScrewM3×4	2	
21	100005045	大旋梭固定柄	Large Knob Fixing Lever	2	
22	100005046	弹簧	Spring	2	
23	11060496	平垫圈S3 (026030136)	Flat Washer S3	2	
24	100005342	十字复合槽盘头螺钉	Cross Recessed Combo Pan Head Screw	2	
25	100005047	油毡	Felt Wick	1	
26	100005048	油毡支架	Felt Wick Bracket	1	
27	100005343	开槽圆柱头螺钉	Slotted Pan Head Screw	2	
28	100005049	油毡支架	Felt Wick Bracket	1	
29	11060507	螺钉M3×4 (S47307001)	Screw M3×4 (S47307001)	2	
30	100005050	油毡T	Felt Wick T	1	
31	100005051	油线	Felt Wick	3	
32	100005340	内六角凹端紧定螺钉	Hex Socket Cup Point Set Screw	2	
33	10005473	挡圈	Retaining Ring	1	
34	100005057	梭托D	Press Buckle / Latch	1	
35	100005344	内六角圆柱头螺钉	Hex Socket Head Cap Screw	1	
36	100005058	大梭床盖	arge Bobbin Case Cover	1	
37	100005060	梭芯套总成	Bobbin Case Assembly	1	
38	10004592	梭心	Bobbin	1	
39	100005066	中旋梭盒A(中厚料SH430)	Rotary Hook (Medium-Heavy Material)	1	
		用于<DL-438DA-H>	For<DL-438DA-H>		
	100005064	中旋梭盒B(厚料SH430-H)	Rotary Hook (forheavy Material)	1	



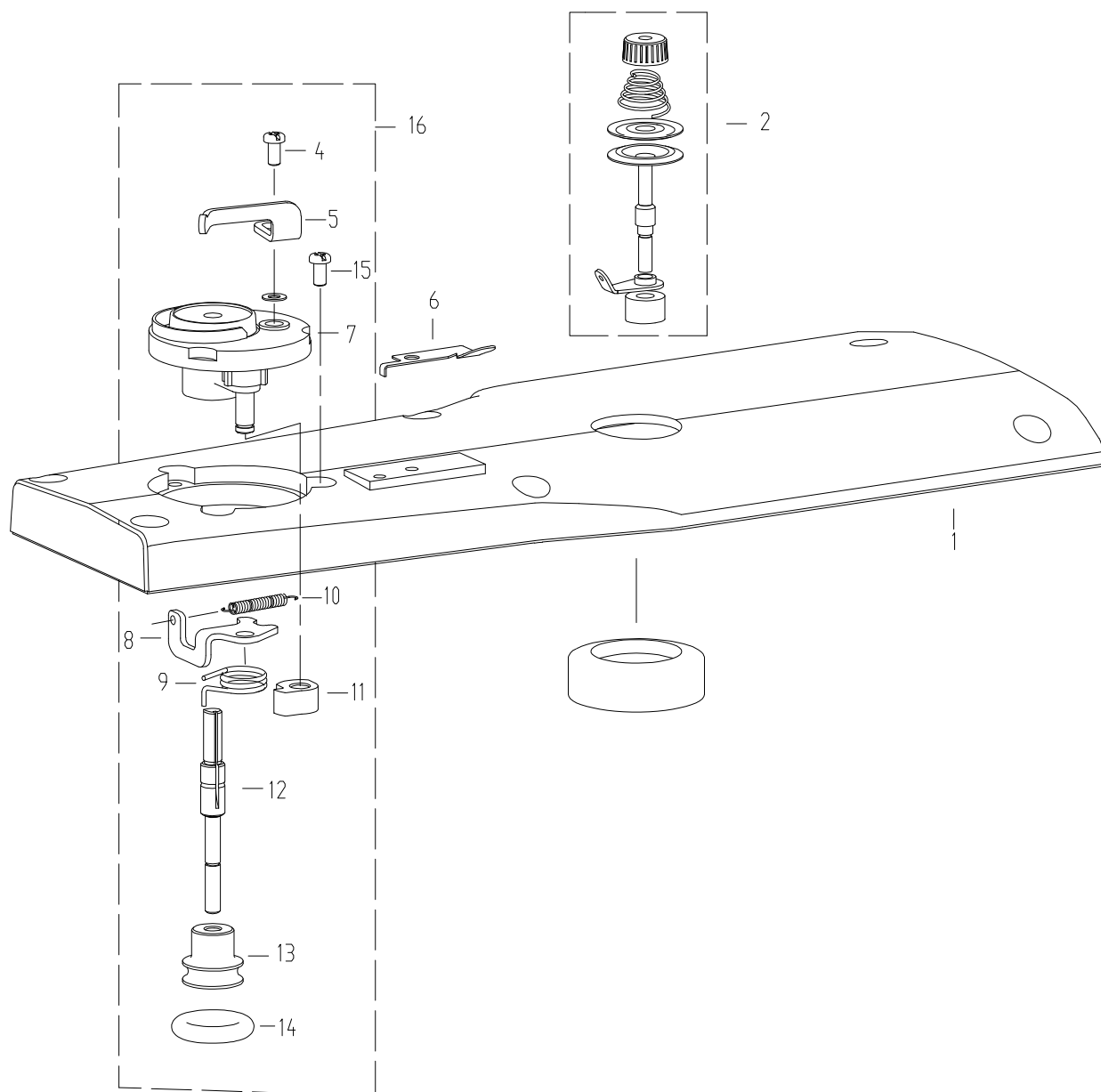
G. 供油润滑部分\Lubrication

序号	物料代码	名称	英文名称	数量	备注
1	100007694	切线驱动杆调节板	Thread Cutting Drive Lever Adjusting Plate	1	
2	100005072	抬压脚杆油毡	Presser Foot Lifter Lever Felt Wick	1	
3	100011208	430DA油视窗	430DA Oil SightGlass	1	
		用于<DL-430DA-H>	For<DL-430DA-H>	1	
4	200007624	430DA梭床组件-厚料	430DA BaseConnection Assembly - Heavy Material	1	
	200007622	430DA梭床组件-中厚料	430DA Base Connection Assembly - Medium-Heavy	1	
5	10007800	Φ3×Φ5油管	Φ3×Φ5 Oil Tube	1	
6	100004256	前支脚油线夹	Front Support Foot Oil Wick Clip	2	
8	100011199	油管接头3.2	Oil Tube Connector 3.2	2	
9	10008783	SM5/16"×24螺钉	Screw SMS/16"×24	1	
10	100009775	G12A加大齿轮箱底盖	G12A Enlarged Gearbox Bottom Cover	1	
11	100007701	G12油腔下盖密封垫	G12 Oil Chamber Lower Cover Gasket	1	
12	100005244	送料杆轴套(X)	Feed Rod Bush (X)	1	
13	200004929	齿条轴(Y)油毡组件	Rack Shaft (Y) Felt Wick Assembly	1	
14	100005345	十字复合槽盘头螺钉M4×6	Cross Recessed Combo Pan Head ScrewM4×6	1	
15	100005079	油管夹	Oil Tube Clamp	2	
16	100005329	内六角圆柱头螺钉 M4×10	Hex Socket Head Cap Screw M4×10	2	
17	100005250	齿条轴	Rack Shaft	1	
18	200007527	430DA油箱盖板喷漆件	430DA Oil Tank Cover Plate - Painted Part	1	
19	100011198	430DA油箱盖板垫	430DA Oil Tank Cover Gasket	1	
20	10010587	橡胶塞	Rubber Plug	1	
21	100011440	430DA油腔上盖板	430DA Oil Chamber Upper Cover Plate	1	
22	100011441	430DA油腔上盖板垫	430DA Oil Chamber Upper Cover Gasket	1	
23	100005355	开槽沉头螺钉 M4×8.5	Slotted Head Screw M4×8.5	7	
24	100011969	常闭流量电磁阀组件 (型号: 2W030-08B)	Normally Closed Flow Solenoid Valve Assembly (Model: 2W030-08B)	1	
25	13000568	锁母直通终端	Locknut Straight-Through Terminal	1	
26	200008000	流量电磁阀组件	Flow Solenoid Valve Assembly	1	
27	100008952	G12A油窗橡胶盖	G12A Oil Window Rubber Cover	1	
28	19010024	油窗	Oil Window	1	



H. 穿线部分\Threading mechanism

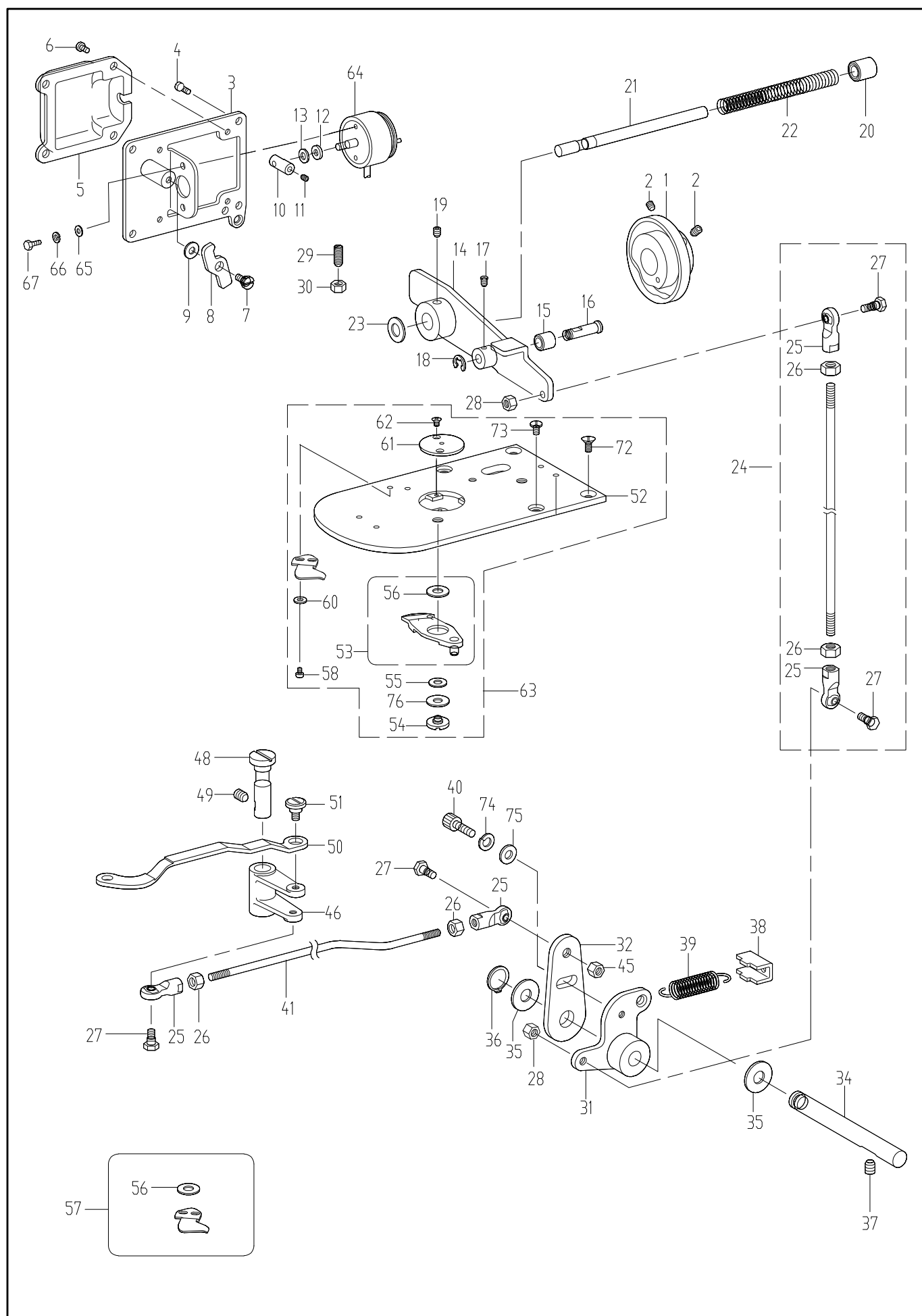
序号	物料代码	名称	英文名称	数量	备注
1	100005100	过线导向A	Thread Guide A	1	
2	100005347	十字复合槽盘头螺钉 M5×6	Cross Recessed Combo Pan Head Screw M5×6	1	
3	11060299	过线导向B	Thread Guide B	1	
4	100005347	十字复合槽盘头螺钉 M5×6	Cross Recessed Combo Pan Head Screw M5×6	1	
5	100005450	过线导向C	Thread Guide C	1	
6	100005347	十字复合槽盘头螺钉 M5×6	Cross Recessed Combo Pan Head Screw M5×6	1	
7	100005101	面线导向杆	Upper Thread Guide Rod	1	
8	100005102	夹线座	Tension Base	1	
9	100006522	挑线弹簧（厚料Φ0.8）	Take-up Spring (Heavy Material Φ0.8)	1	
10	100005104	送线销	Thread Feed Pin	1	
11	100005105	夹线杆轴	Tension Lever Shaft	1	
12	100005106	压线螺母	Thread Pressure Nut	1	
13	100005143	止动垫圈	Stopper Washer	1	
14	100006523	弹簧（厚料Φ1.2）	Spring(Heavy Material Φ1.2)	1	
15	100005108	夹线压盘	Tension Pressure Disk	1	
16	100005109	夹线盘	Tension Disk	1	
18	100005348	内六角锥端紧定螺钉M6×8	Hex Socket Cone Point Set Screw M6×8	1	
19	100005110	夹线杆轴A	Tension Lever Shaft A	1	
20	100005111	夹线螺母	Tension Nut	1	
21	100005112	蝶形弹簧	Belleville Spring	1	
22	100005109	夹线盘	Tension Disk	1	
23	100005113	线勾	Thread Hook	1	
24	100005115	用于<DL-430DA-H> 针杆导向A（厚料）	For<DL-430DA-H> Needle Bar Guide A (Heavy Material)	1	
25	100005114	用于<DL-430DA> 针杆导向B（中厚料）	For<DL-430DA> Needle Bar Guide D(Medium-Heavy Material)	1	
26	100005116	针杆轴套现导向D	Needle Bar Bush Guide D	1	
27	100005402	线冷却器组件	Thread Cooler Assembly	1	
28	100005323	内六角凹端紧定螺钉M6×6	Hex Socket Cup Point Set ScrewM6×6	2	
29	100005119	油毡	Felt Wick	1	
30	100005120	过线钩	Thread Guide Hook	1	
31	100005349	十字复合槽盘头螺钉 SM9/64×40-4.5	Cross RecessedComboPanHeadScrewSM9/64×40-4.5	1	
32	100005123	夹线器总成	Tension Assembly	1	
33	100005122	用于<DL-430DA> 松线器总成（中厚料）	For<DL-430DA> Thread Release Mechanism Assembly (Medium-Heavy Material)	1	
34	100005121	用于<DL-430DA-H> 松线器总成（厚料）	For<DL-430DA-H> Thread Release Mechanism Assembly (Heavy	1	
35	10039830	夹线体	Tension Body	1	
36	10039829	芯轴铁芯	Mandrel Iron Core	1	
37	200006283	小电子夹线器组件	Small Electronic Thread Tensioner Assembly	1	



J. 上盖部分\upper cover

序号	物料代码	名称	英文名称	数量	备注
1	200007506	430DA上盖喷漆件	4300A Upper Cover - Painted Part	1	
2	100005145	卷线器夹线总成	Bobbin Winder Tension Assembly	1	
4	10009455	螺钉M4×8	Screw M4×8	1	
5	10027397	手柄	Handle	1	
6	10027390	绕线轴垫	Bobbin Winder Shaft Washer	1	
7	10035045	绕线座	Bobbin Winder Base	1	
8	10027391	控制板	Control Plate	1	
9	10027398	扭簧	Tension Spring	1	
10	10027394	拉簧	Tension Spring	1	
11	10027395	绕线定位块	Bobbin Winding Positioning Block	1	
12	10031163	绕线轴垫	Bobbin Winder Shaft Washer	1	
13	10004684	绕线轮	Bobbin Winding Wheel	1	
14	10011097	橡胶轮	Rubber Wheel	1	
15	12010033	SM11/64"×40螺钉	Screw SM11/64" ×40	3	
16	10031087	绕线座组件	Bobbin Winder Base Assembly	1	
16	10031087	绕线座组件	Bobbin Winder Base Assembly	1	

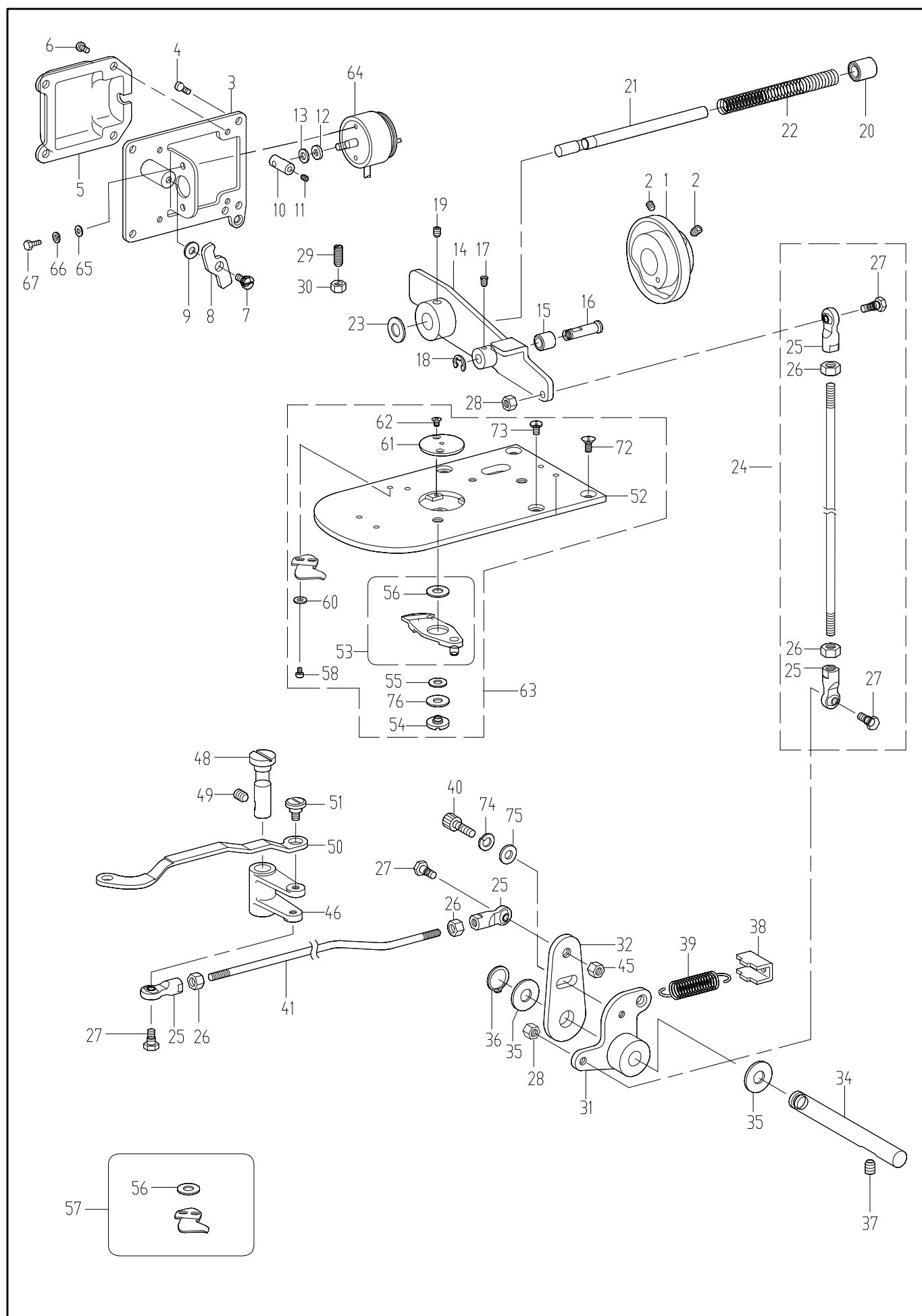
K.切线装置\Thread trimmer mechanism



K. 切线部分\Thread trimmer mechanism

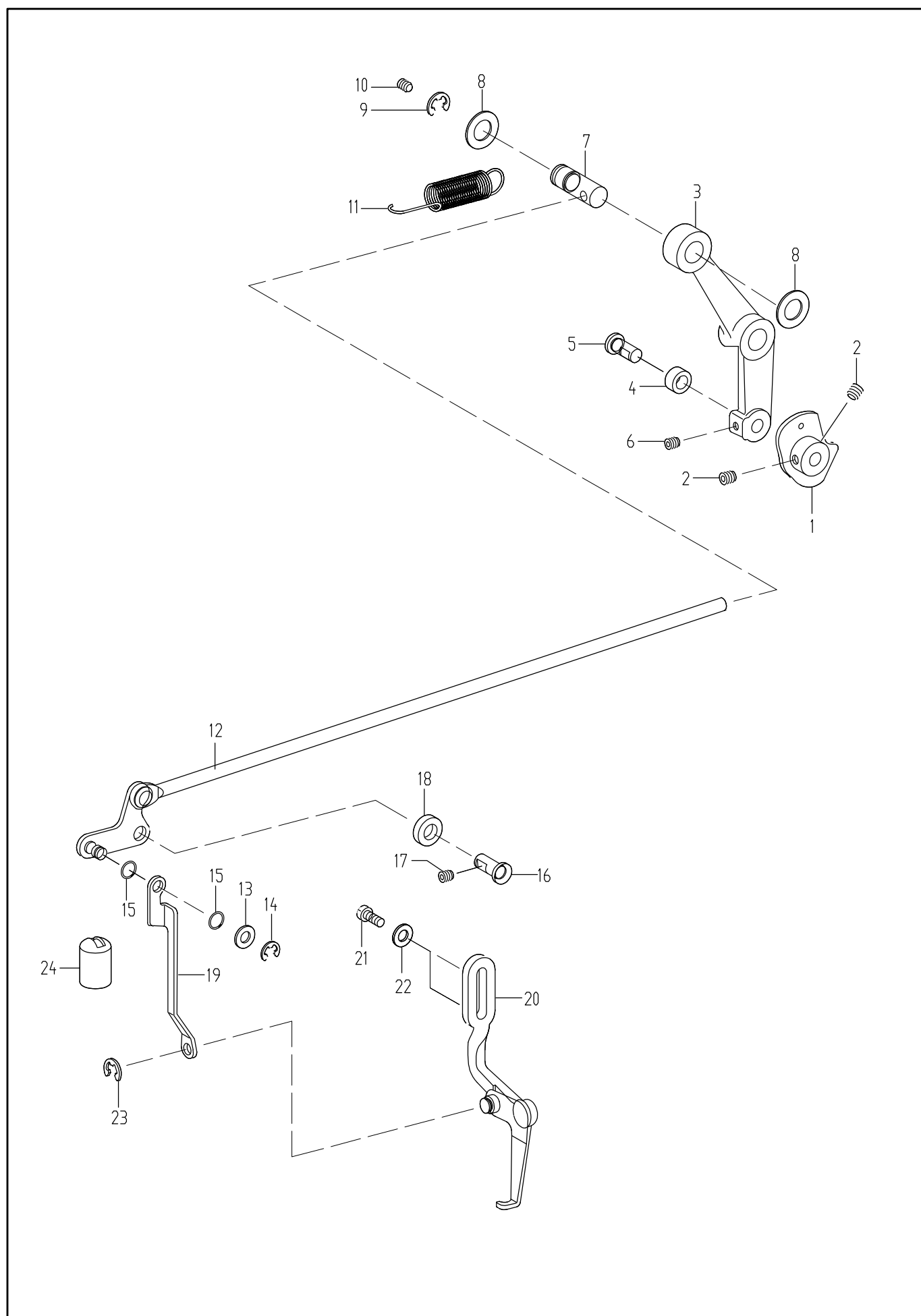
序号	物料代码	名称	英文名称	数量	备注
1	100005149	切线凸轮	Thread Trimming Cam	1	
2	100005322	内六角凹端紧定螺钉M6×0.75-	Hex Socket Cup Point Set Screw M6×0.75-6	4	
3	100005150	电磁铁安装板总成	Solenoid Mounting PlaAssembly	1	
4	100005327	十字复合槽盘头螺钉M4×8	Cross Recessed Combo Pan Head Screw	1	
5	100005151	切线电磁铁盖	Thread Trimming SolenoidCover	1	
6	100005353	十字复合槽盘头螺钉M4×5	Cross Recessed Combo Pan Head Screw M4×5	4	
7	100005153	段螺钉7-3	Step Screw 7-3	1	
8	100011146	430DA驱动杆压杆	430DA Drive LeverPressure Rod	1	
9	10000260	5.2垫圈	Washer 5.2	1	
10	100005154	电磁铁杆	Solenoid Rod	1	
11	100005340	内六角凹端紧定螺钉M4×4	Hex Socket Cup Point Set ScrewM4×4	1	
12	100005155	电磁铁缓冲橡胶o型圈	Solenoid Buffer Rubber D-Ring	1	
13	11060540	垫圈	Washer	1	
14	100005156	切线驱动杆	Thread Trimming Drive Lever	1	
15	100005157	切线滚轮	Thread Trimming Roller	1	
16	100005158	切线滚轮轴	Thread Trimming Roller Shaft	1	
17	100005340	内六角凹端紧定螺钉M4×4	Hex Socket Cup Point Set ScrewM4×4	1	
18	100000223	挡圈E4	Retaining Ring B4	1	
19	100005322	内六角凹端紧定螺钉M6×0.75-	Hex Socket CupPoint Set ScrewM6×0.75-6	1	
20	100005159	轴套8×15	Bush 8×15	1	
21	100011144	切线驱动杆导向轴	Thread Trimming Drive Lever Guide Shaft	1	
22	100005161	曲柄杆导向弹簧	Crank LeverGuide Spring	1	
23	100005162	减震橡胶垫圈	Shock Absorption RubberWasher	1	
24	200004868	切线杆V组件	Thread TrimmingLever V Assembly	1	
25	100005164	接头总成	Joint Assembly	2	
26	100005354	六角螺母M6×1-5	Hex NutM6×1-5	3	
27	100005165	段螺钉B	Step Screw B	1	
28	100005354	六角螺母 M6×1-5	Hex Nut M6×1-5	1	
29	100005166	开槽圆端紧定螺钉 M6×19	Slotted RoundPointSet ScrewM6×19	1	
30	100005354	六角螺母M6×1-5	Hex NutM6×1-5	1	
31	100005167	切线杠杆V	Thread Trimming Lever V	2	
32	100005168	切线杠杆H	Thread Trimming Lever H	2	
34	100005169	切线杠杆轴	Thread Trimming Lever Shaft	1	
35	100000507	垫片	Shim	1	
36	100005939	轴用挡圈C8	Shaft Retaining Ring C8	1	
37	100005323	内六角凹端紧定螺钉M6×6	Hex Socket Cup Point Set ScrewM6×6	1	
38	100011206	430DA切线复位簧挂钩	430DA Thread TrimmingReset Spring Hook	1	
39	100011207	430DA切线复位簧	30DA Thread Trimming Reset Spring	1	
40	100005344	内六角圆柱头螺钉M5×12	Hex Socket CupPoint Set ScrewM5×12	1	
41	100011169	430DA切线杠杆H	430D Thread Trimming Lever H	1	
46	100005173	动刀曲柄	Power Crank	1	
48	100005175	动刀曲柄轴	Power Crank Shaft	1	
46	100005173	动刀曲柄	Power Crank	1	

K.切线装置\Thread trimmer mechanism



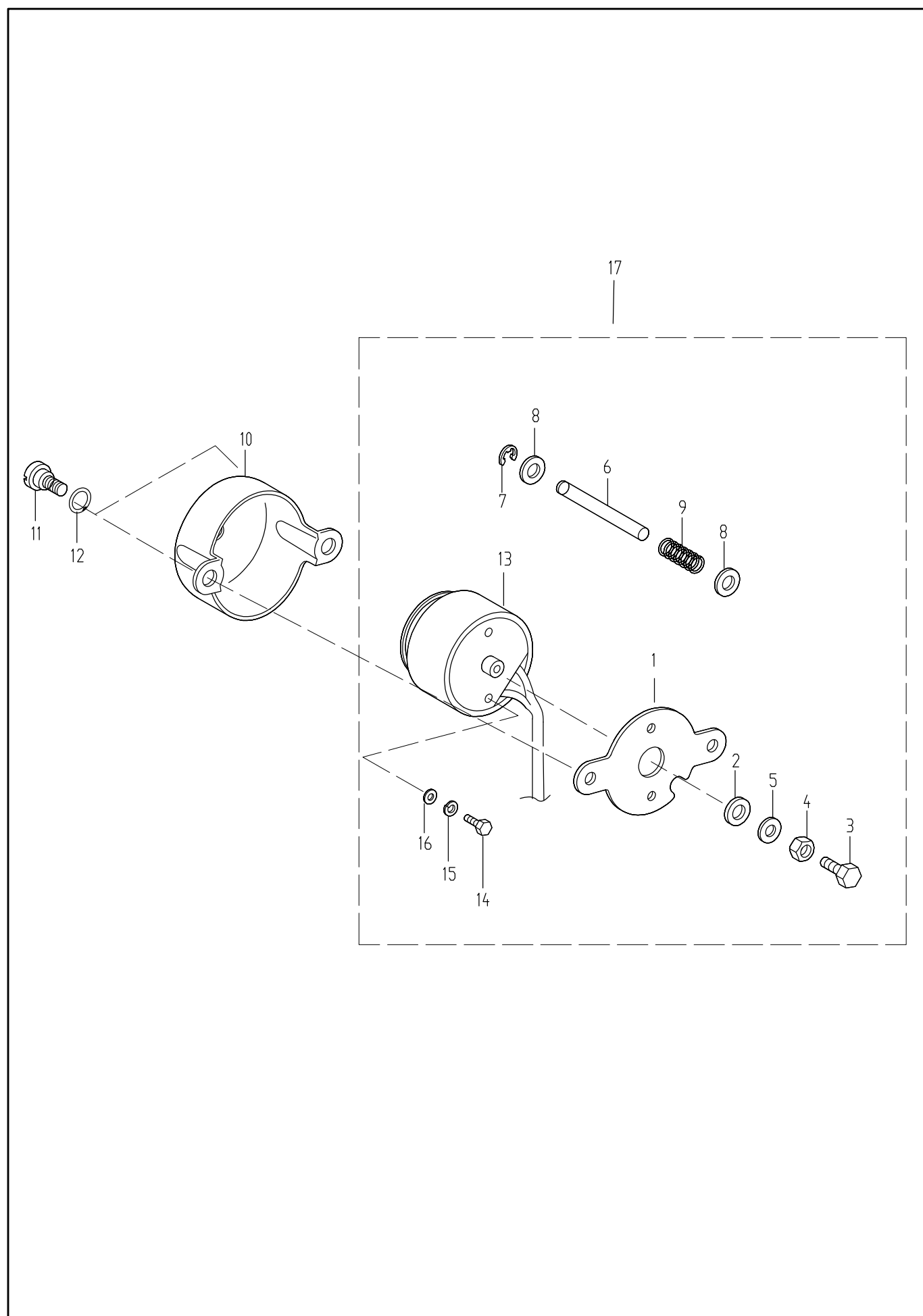
K. 切线部分\Thread trimmer mechanism

序号	物料代码	名称	英文名称	数量	备注
49	100005323	内六角凹端紧定螺钉M6×6	Hex Socket Cup Point Set Screw R6×6	1	
50	100005176	动刀连杆	Power Connecting Rod	1	
51	100005177	段螺钉6-1.8	Set Screw 6-1.8	1	
52	100005466	针板SC	Needle Plate SC	1	
53	100006524	动刀复合件F-SC (中厚料) 用于<DL-430DA-H>	Moving Cutter Assembly F-SC (Medium Material) For<DL-430DA-H>	1	
	11060542	动刀复合件F (厚料) 用于<DL-438DA>	Moving Cutter Assembly F (Heavy Material) For<DL-438DA>	1	
	100006671	动刀复合件F-SCS (钉扣)	Moving Cutter Assembly F-SCS (for Buttons)	1	
54	100000517	段螺钉	Set Screw	1	
55	11060544	动刀圈套 (S00705001)	Moving Cutter Collar (S00705001)	1	
56	11060545	垫片0.2 (SA6397001)	Shim 0.2 (SA6397001)	1	
	11060546	垫片0.3 (SA3334001)	Shim 0.3 (SA3334001)	1	
	100000522	垫片0.4 (SA6398001)	Shim 0.4 (SA6398001)	1	
57	100006525	定刀复合件F-SC (中厚料) 用于<DL-430DA-H>	Fixed Cutter Assembly F-SC (Medium Material) For<DL-430DA-H>	1	
	100005467	定刀复合件F	Fixed Cutter Assembly F	1	
58	100005319	十字复合槽盘头螺钉	Cross Recessed Pan Head MachineScrew	2	
59	100007537	标准型弹簧垫圈3	Standard Spring Washer 3	2	
60	11060549	平垫圈M3 (025030236)	Flat Washer M3 (025030236)	1	
61	100006526	小针板 (厚料)	Small Needle Plate(Heavy Material)	2	
	100005468	小针板 (中厚料)	Small Needle Plate(Medium Material)	1	
	100006659	438D小针板	438D Small Needle Plate	1	
62	100000526	螺钉SM2.38	Screw SM2.38	1	
64	100007509	松线电磁铁HV (DL用)	Thread Release Solenoid HV (for DL)	1	
65	100000312	平垫圈M4	Flat Washer M4	1	
66	100000423	弹簧垫圈2.4 (028040246)	Spring Washer 2.4 (028040246)	2	
67	100011986	螺栓M4×20	Bolt M4x20	2	
74	100000510	弹簧垫圈2-5	Spring Washer 2-5	1	
75	10012318	平垫圈5	Flat Washer 5	1	
76	11060543	轴向垫圈 (SA4519001)	Axial Washer (SA4519001)	1	



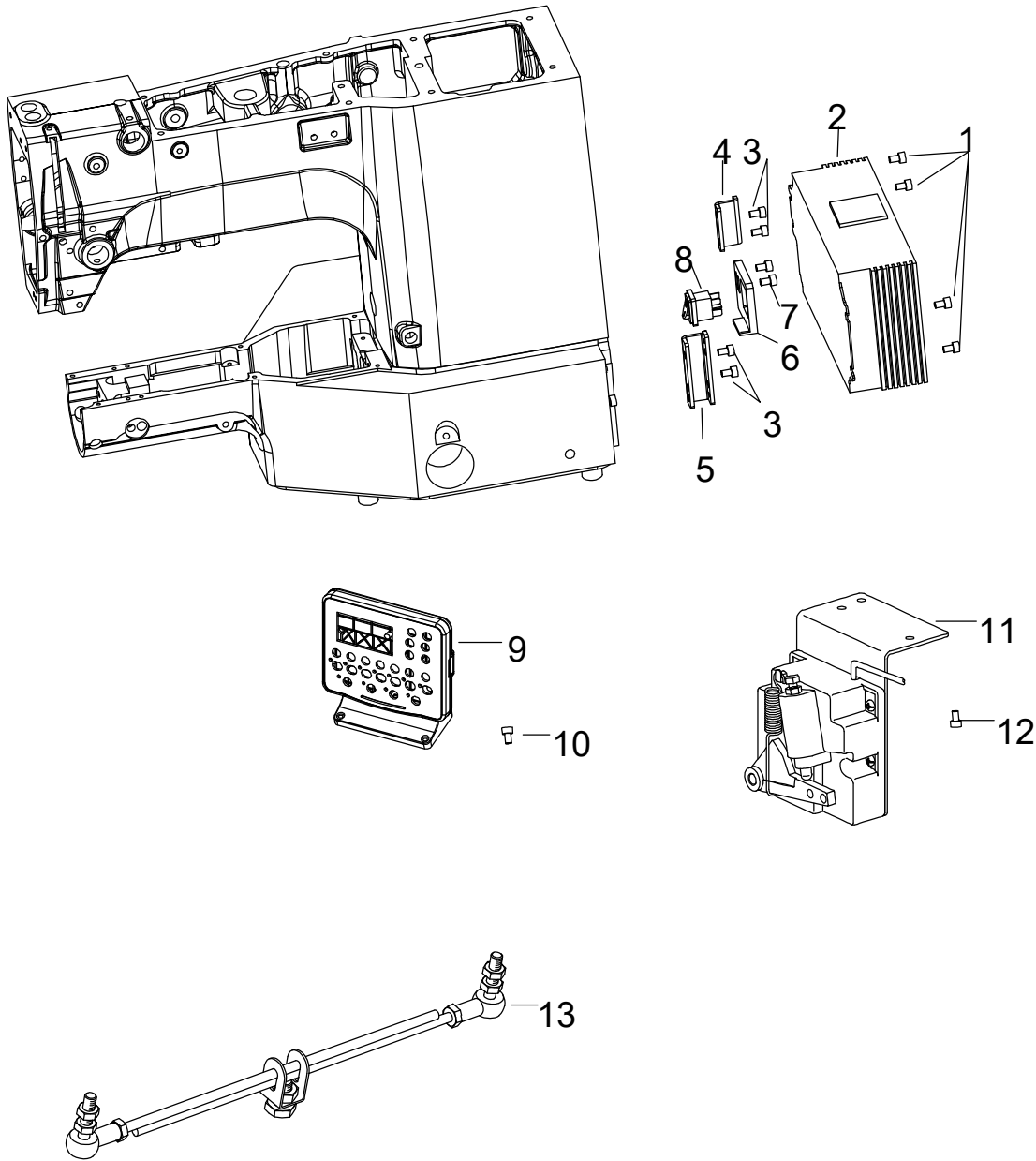
L. 扫线部分\Thread wiper mechanism

序号	物料代码	名称	英文名称	数量	备注
1	100005011	扫线凸轮	Thread Wiping Cam	1	
2	100005323	内六角凹端紧定螺钉M6×6	Hexagon Socket Concave End SetScrewM6×6	2	
3	100005012	扫线驱动曲柄	Thread Wiping Drive Crank	1	
4	100005013	扫线滚轮	Thread Wiping Roller	1	
5	100005014	抬压滚轮销	Lifting Roller Pin	1	
6	100005326	内六角凹端紧定螺钉M5×5	Hexagon Socket Concave End Set	1	
7	100005015	扫线杆销	Thread Wiping Fixed Seat	1	
8	100005919	平垫圈10×20×1	Flat Washer 10×20×1	2	
9	11060408	轴用卡簧E8 0.7厚	Shaft Circlip 0.7	1	
10	100005326	内六角凹端紧定螺钉	Hexagon Socket Concave End SetScrewM5×5	1	
11	100005016	弹簧	Spring	1	
12	100005017	扫线杆组件	Thread Wiping Rod Assembly	1	
13	100005087	平垫圈5.2×9×0.6	Plain Washer 5.2×9×0.6	1	
14	100000223	挡圈E4	Thread Wiping Frame E4	1	
15	100005022	O型圈P5	Retaining Ring P5	2	
16	100005014	抬压滚轮销	Thread Wiping Frame	1	
17	100005326	内六角凹端紧定螺钉	Hexagon Socket Concave End SetScrewM5×5	1	
18	100005023	定位圈 13	Locating Ring 13	1	
19	100005024	扫线连接板	Purging Manifold	1	
20	100005030	扫线臂总成	Cleaning Boom Assembly	1	
21	100005320	十字复合槽盘头螺钉	Combined Cross Recessed Pan	2	
22	11060248	平垫圈M4	Plain Washer M4	1	
23	11060173	挡圈E4	Thread Wiping Frame E4	2	
24	100005040	油塞	Pipe Plug	1	
				1	



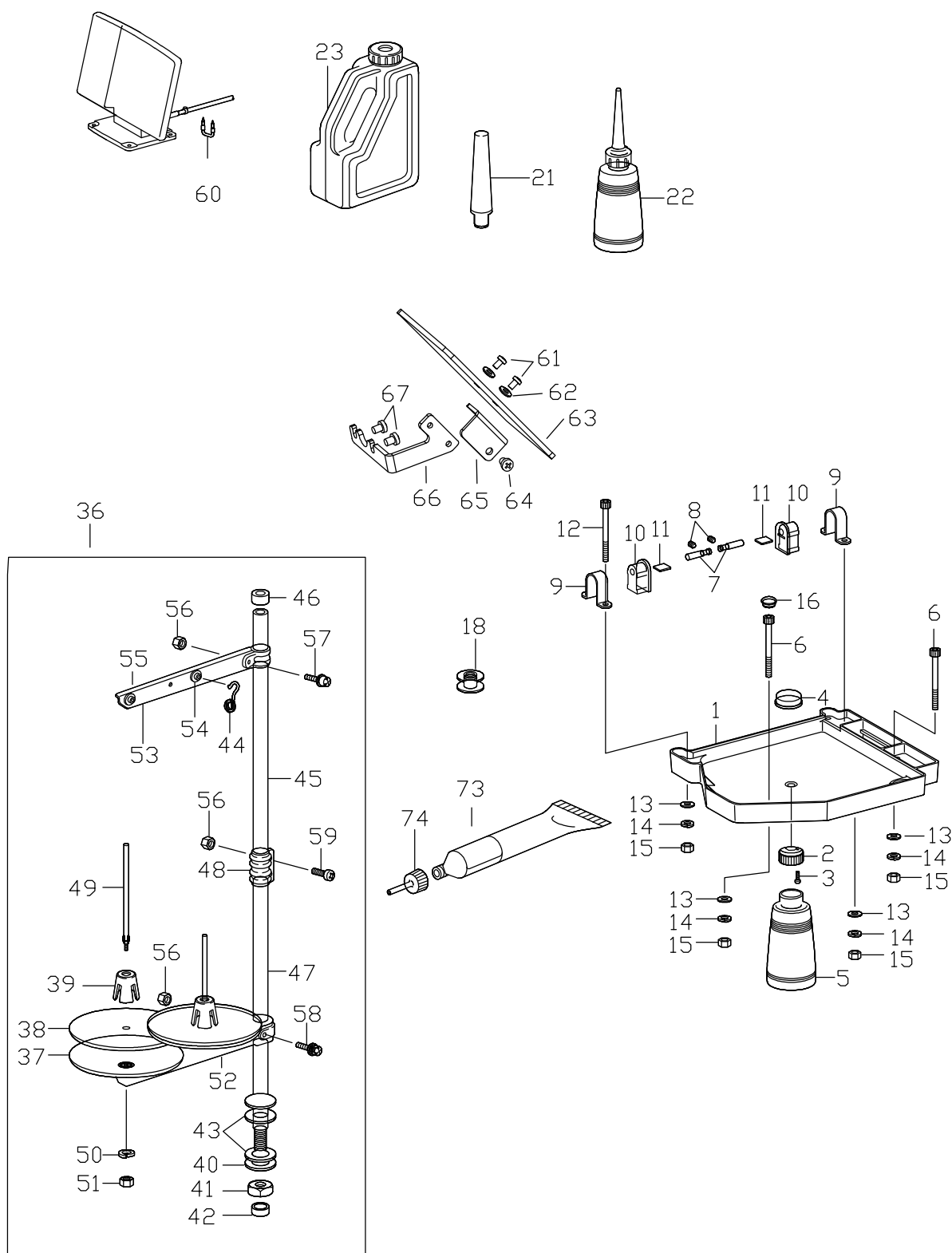
M. 系线部分|\Tension release mechanism

序号	物料代码	名称	英文名称	数量	备注
1	100004998	松线电磁铁安装板	Thread Loosening Solenoid Mounting Plate	1	
2	11060538	弹簧垫圈2.4 (028040246)	Spring Washer 2.4 (028040246)	2	
3	100011986	六角头螺钉 M4×20	Hexagon Head Screw M4×20	1	
4	100005357	六角螺母M4-3	Hex Nut M4-3	1	
5	100000312	平垫圈M4	Flat Washer M4	1	
6	100005000	松线杆	Thread Loosening Lever	1	
7	100000223	挡圈E4	Retaining Ring M4	1	
8	11060580	垫圈 (102707002)	Washer (102707002)	1	
9	100005001	松线杆弹簧	Thread Loosening Lever Spring	1	
10	100005002	松线电磁铁盖	Thread Loosening Solenoid Cover	1	
11	100005153	段螺钉7-3	Set Screw 7-3	1	
12	100005004	O形圈P7	O-ring P7	1	
13	100007509	松线电磁铁HV (DL用)	Thread Loosening Solenoid UV (for DL)	1	
14	100011986	六角头螺钉M4×20	Hexagon Head ScrewM4×20	2	
15	11060248	平垫圈M4	Flat Washer M4	2	
16	11060538	弹簧垫圈2.4 (028040246)	Spring Washer 2.4 (028040246)	2	
17	200007861	松线电磁铁组件 (DL用)	Thread Loosening Solenoid Assembly (for DL)	1	



R. 电控部分 / Power supply equipment mechanism

序号	物料代码	名称	英文名称	数量	备注
1	100005335	螺钉M5X8	SCREWM5X8	4	
2	100006008	430DP控制箱	430DP control box	1	
3	100005344	螺钉M5X12	SCREW M5X12	4	
4	100005931	430DP电控支架2	430DP electric control bracket 2	1	
5	100005930	430DP电控支架1	430DP electric control bracket 1	1	
6	100006062	430DP开关安装板	430DP switch mounting plate	1	
7	100005329	螺钉M4X10	SCREW M4X10	2	
8	10057914	电源开关	POWER SWITCH	1	
9	100006009	430DP操作头	430DP OPERATION PANEL	1	
10	100006465	螺钉 ST4.8X20	Screw ST4.8 X 20	4	
11	100005684	430DP脚踏板	430DP pedals	1	
12	100002309	螺钉 ST5.5X25	Screw ST5.5X 25	3	
13	100002311	球形拉杆	Spherical tie rod	1	

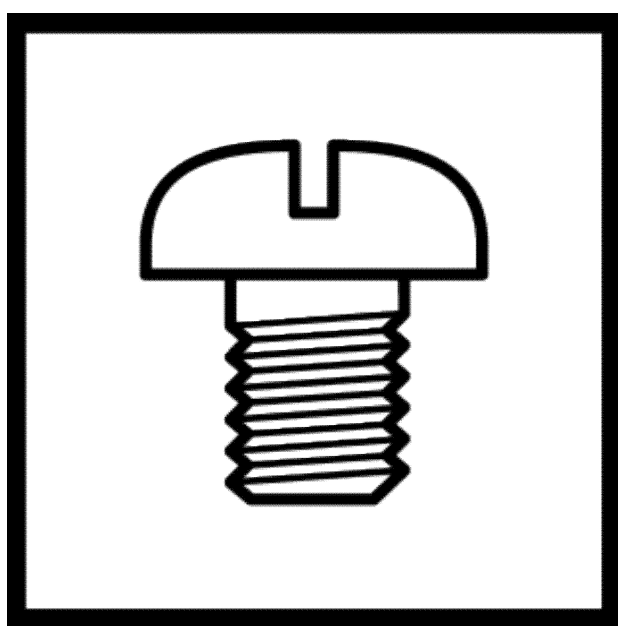


Z 附件 / Accessories

序号	物料代码	名称	英文名称	数量	备注
1	100005400	油盘	OIL PAN	1	
2	100005055	废油回收壶盖	DUST OLER	1	
3	10003157	螺销M3X12	TAPPING SCREW, PAN V M3X12	2	
4	100005056	缓冲橡皮垫	RUBBER CUSHION	2	
5	100005908	油壶.	OILER	1	
6	100006688	螺钉M6X65	BOLT, SOCKET M6X65		
7	100005061	机头支承销	PIN	2	
8	100005323	螺钉M6X6	SET SCREW, SOCKET (FT) M6X6	2	
9	100005063	头部铰链座	HINGE HOL DER	2	
10	100005065	橡皮铰链	RUBBER CUSHION	2	
11	100005067	垫片	SPACER	2	
12	100000096	螺栓M6X75	BOLT, SOCKET M6X75	7	
13	100005069	平垫圈 Le	WASHER, PLAIN L 6	7	
14	100000097	弹簧垫圈2-6	WASHER, SPRING 2-6	7	
15	100005354	螺母M6	NUT, 1M6.	7	
16	100005071	橡皮塞11.5	RUBBERCAP, 11.5	2	
18	10004592	梭芯	BOBBIN	1	
21	100005073	机头撑杆	HEAD REST	1	
22	100000754	油壶组件	OILER ASSY	1	
23	100000755	油罐组件	OIL TANK ASSY	1	
36	100003519	二线线架部件	Two-wire rack components	1	
37	10004299	线盘	Reel	2	
38	10004281	线盘软垫	SPOOL MAT	2	
39	10004287	线盘塑料压块	Coil plastic press block	2	
40	10004290	平垫圈1	WASHER, PLAIN 16	1	
41	10002985	螺母	NUT	1	
42	10004282	线架支撑管套	COL UMN CAP	1	
43	10004295	橡皮垫圈	RUBBER WASHER	2	
45	10004293	线架支撑管	COLUMN PIPE	1	
46	10004282	线架支撑管套	COLUMN CAP	1	
47	10004291	线架下撑管	Wire rack under the support pipe	1	
48	10004286	撑管夹.	COLUMN JOINT	1	
49	10004288	线轴B	SPOOL SHAFT, B	2	
50	10005537	弹簧垫圈2-5	WASHER, SPRING 2-5	2	
51	10002953	六角螺母M5	NUT, 1 M5	2	
52	10004284	下过线架	Off the wire rack	1	
53	10004298	上过线架	Over the wire rack	1	
54	10004285	过线管套	THREAD HANGER BASE	2	
55	10004289	过线架.上过线管	THREAD BUSH	2	
56	10002953	六角螺母M5	NUT, 1 M5	4	
57	10003301	螺钉M5X14	SCREW, PAN/P WASHERM5X14	1	
58	10003312	螺钉M5X30	SCREW, PANS/P WASHER M5 X 30	1	
59	10003301	螺钉M5X14	SCREW, PAN M5X14	2	
60	10039915	∅7塑料钢钉电线卡	∅7 plastic steel nail wire card	4	
61	10003034	螺钉M3X5	SCREW M3X5	2	
62	10041012	垫圈3	WASHERS 3	2	
63	100005084	护眼板	Eye pads	1	
64	10003875	螺钉M4X6	SCREW M4X6	1	
65	100006149	430D护眼板支架B	430D eye plate bracket B	1	
66	100006148	430D护眼板支架A	430D eye plate bracket A	1	
67	100005345	螺钉M4X6	SCREW M4X6	1	
73	200005240	润滑油[P]	Grease[p]	1	
74	100006376	加油嘴组件	Nozzle assembly	1	

DL-430DA

DL-438DA



零件手册

PARTS BOOK

