

Caraduna LUMAK

GF31168-5

圆头钮孔缝纫机

EYELET BUTTONHOLE MACHINE

零件手册

PARTS MANUAL

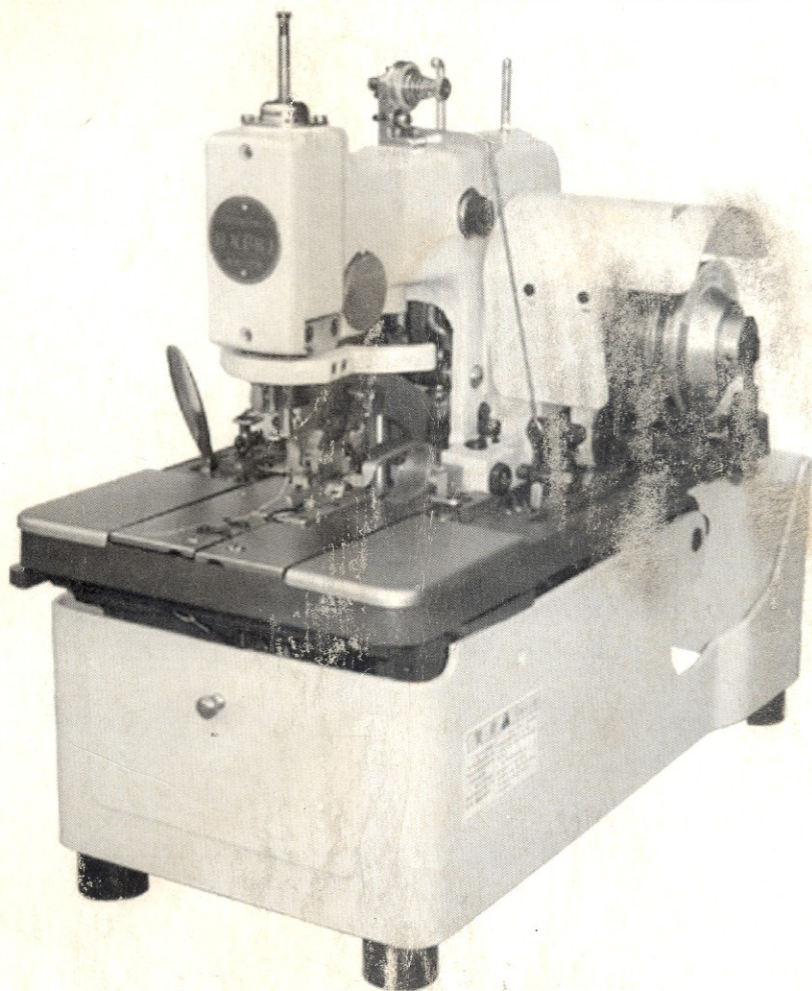


Figure 10

零件手册使用说明

INSTRUCTION OF THE PARTS MANUAL

圆头钮孔缝纫机机头的每一个零件都以图示形式显示在本零件手册上，用户购买零件时只需按图找到对应的零件，告知需要购买的“件号”和“数量”则可。

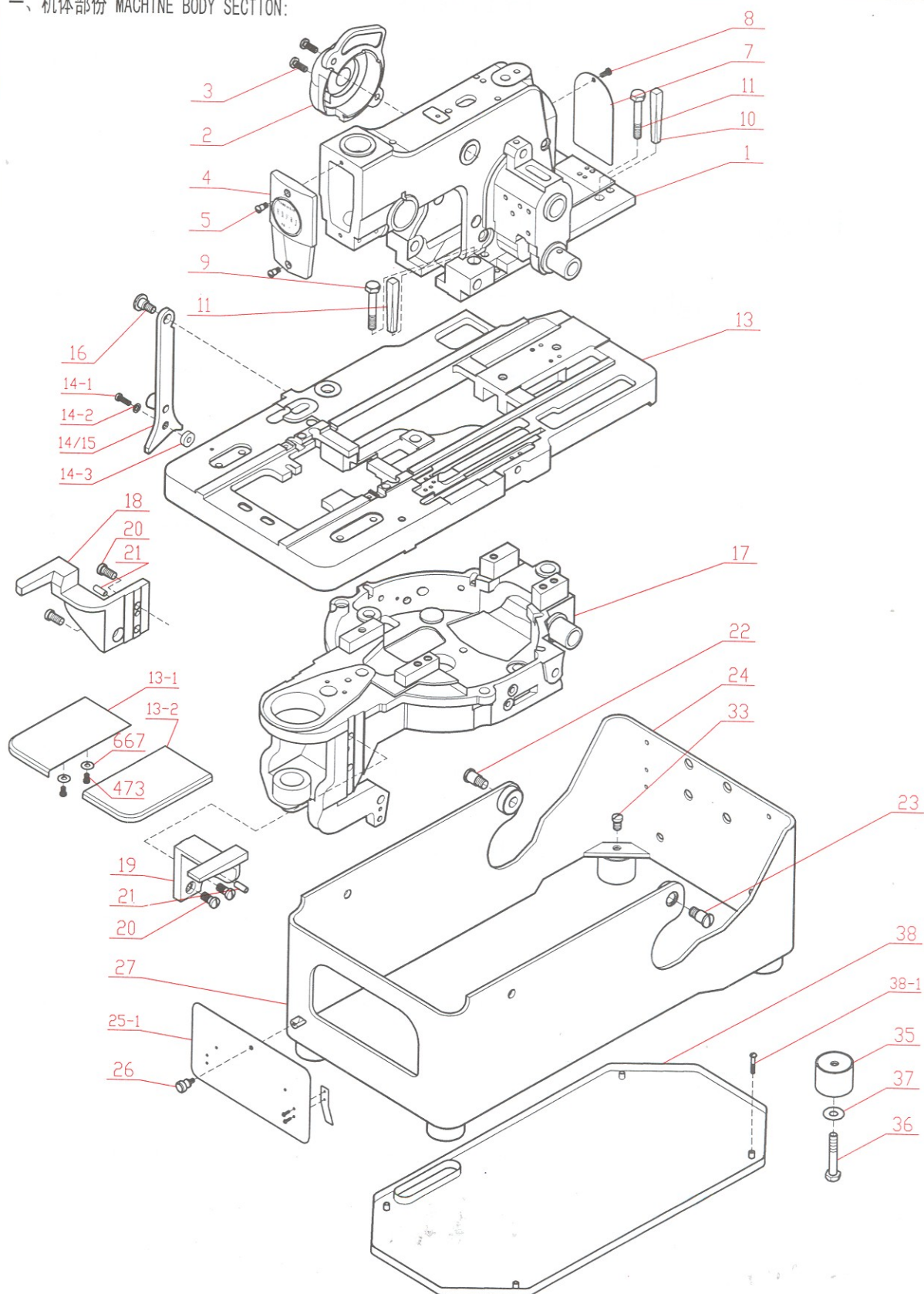
Every part of the eyelet buttonhole sewing machine head is shown on this parts manual, when user orders the parts, only need to Point the “part No” and the quantity.

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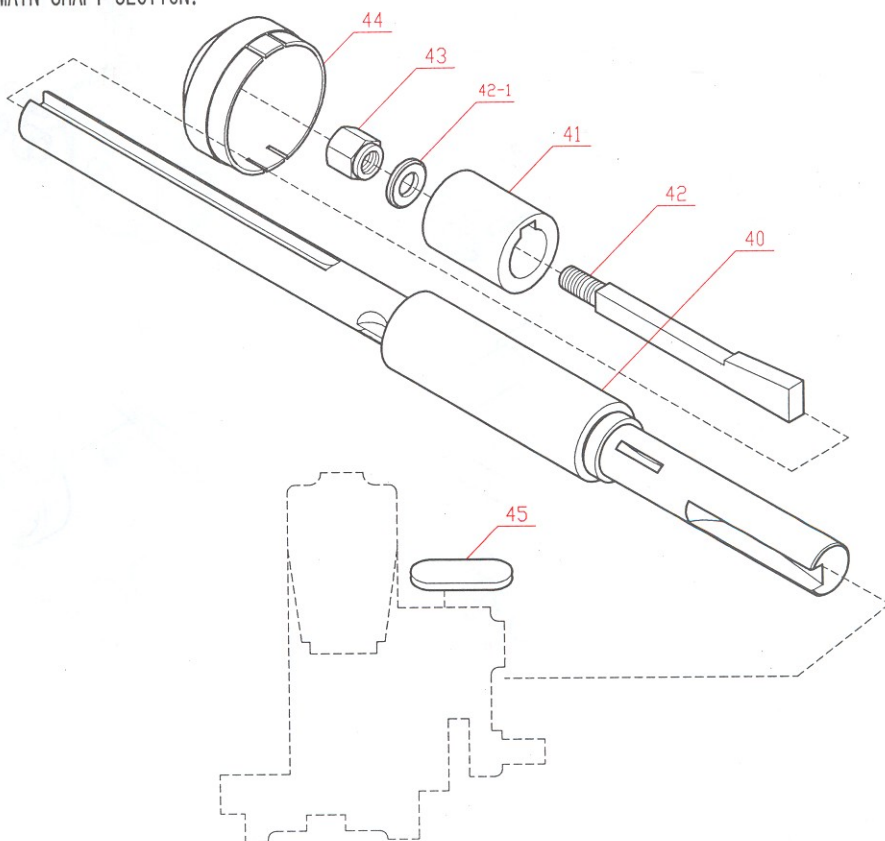
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一、机体部份 MACHINE BODY SECTION:



二、主轴部份 MAIN SHAFT SECTION:

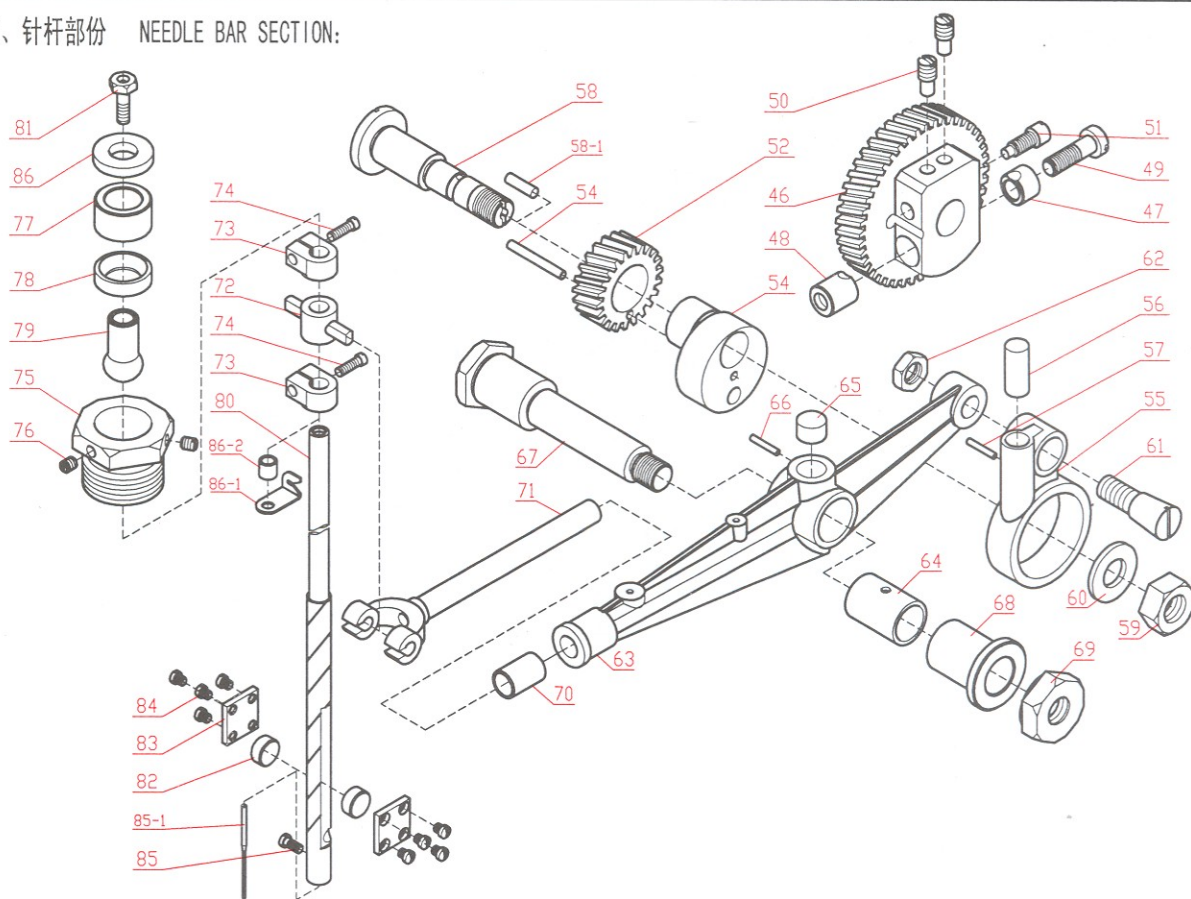


一、机体部份 MACHINE BODY SECTION:

注:括号内的零件GF31168-5型已停用

件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
(1)	1	车曲 machine frame	18	1	左托架 left rack
2	1	车曲轴盖 machine frame cover	19	1	右托架 right rack
3	2	车曲轴盖螺钉 shaft shell screw	20	4	托架螺钉 rack screw
(4)	1	前盖 front cover	21	2	托架销钉 crack pin
(5)	2	前盖螺钉 front cover screw	22	1	机座左螺钉 machine base left screw
7	1	后盖板 rear cover	23	1	机座右螺钉 machine base right screw
8	1	后盖板螺钉 rear cover screw	23-3	4	商标牌型号牌铆钉 rivet for brand mark
9	2	车曲长螺钉 long screw for machine frame	24	1	支承架 support seat
10	2	车曲短螺钉 short screw	25-1	1	支承架封板组件 cover piece assembly
11	2	长销钉 long pin	26	1	封板圆头销 round head rivet
(12)	2	短销钉 short pin	27	1	封板圆扣 circle catch
13	1	工作台 work plate	33	4	支承座螺钉 support seat screw
14/15	1	撑杆组件 support lever assembly	35	4	支承座垫胶 rubber cushion
14-1	1	撑杆固定螺钉 screw for 14	36	4	机体台板螺钉 table bolt
14-2	1	撑杆固定螺钉垫圈 washer for 14	37	4	机体台板螺栓垫圈 washer for 36
14-3	1	撑杆固定螺钉胶垫圈 washer for 14	38	1	油盘 oil tray
16	1	撑杆螺钉 support lever screw	38-1	6	油盘线夹圆头木螺钉 round head wood screw
17	1	机座 machine base			
二、主轴部份 MAIN SHAFT SECTION:			43	1	凸轮斜键螺母 nut for 42
(40)	1	主轴 main shaft	(44)	1	圆轴盖
41	1	管形轴 bush shaft	45	1	主轴油毡 felt for 40
42	1	凸轮斜键 tilted key for cam			
42-1	1	凸轮斜键螺钉垫圈 washer for 42			

三、针杆部份 NEEDLE BAR SECTION:

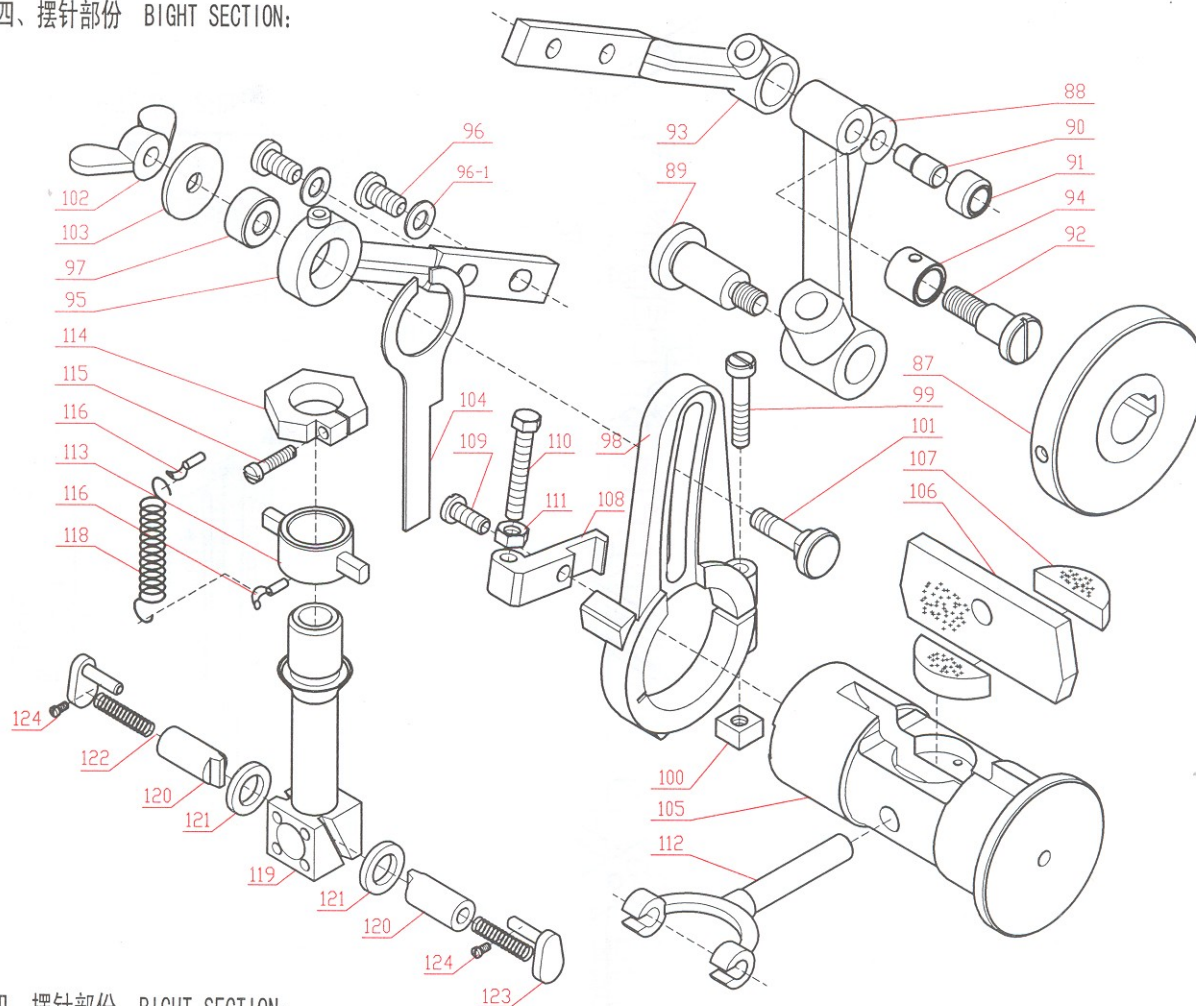


三、针杆部份 NEEDLE BAR SECTION:

注: 括号内的零件GF31168-5型已停用

件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
46	1	针杆主动齿轮 needle bar driving gear	67	1	针杆杠杆轴 axle for 63
47	1	锁紧套管 lock bush	68	1	针杆杠杆轴套管 bush for 67
48	1	锁紧螺母 nut for 49	69	1	针杆杠杆轴螺母 nut for 67
49	1	锁紧螺钉 lock screw	(70)	1	针杆杠杆轴套管 bush for 71
50	2	针杆齿轮定向螺钉 fix screw for 46	71	1	针杆叉轴 fork - shaft
51	2	针杆齿轮紧固螺钉 screw for 46	72	1	针杆接头 needle bar joint
52	1	针杆从动轮 driven gear for 80	73	2	针杆紧固圈 fix ring for 80
53	1	针杆凸轮 needle bar cam	74	2	针杆紧固圈螺钉 screw for 73
54	1	针杆凸轮销钉 pin for 53	(75)	1	万向接头 universal joint
55	1	针杆凸轮套 shell for 53	(76)	2	万向接头螺母 nut for 75
56	1	针杆凸轮套油毡 felt for 55	(77)	1	万向接头压套 press bush for 75
57	1	针杆凸轮套油毡销钉 pin for 56	(78)	1	万向球垫圈 washer for 75
58	1	针杆凸轮偏心螺钉 eccentric screw for 53	(79)	1	万向管 ball head bush
58-1	1	针杆凸轮偏心螺钉油塞 oil plug for 58	80	1	针杆 needle bar
59	1	针杆凸轮偏心螺母 nut for 58	(81)	1	针杆过线螺钉 screw for needle thread
60	1	针杆凸轮偏心垫圈 washer for 58	82	2	针杆圆压块 round press block
61	1	针杆杠杆圆锥螺钉 taper head screw for 63	83	2	针杆压片 press piece
62	1	针杆杠杆圆锥螺母 nut for 61	84	8	针杆压片螺钉 screw for 83
63	1	针杆杠杆 needle bar lever	85	1	机针紧固螺钉 needle fix screw
64	1	针杆杠杆轴套管 bush for 67	85-1	1	机针 needle
65	1	针杆杠杆油毡 felt for 63	(86)	1	针杆油毡 felt for 80
66	1	针杆杠杆油毡销钉 pin for 65	(86-1)	1	针杆护线板 thread guard

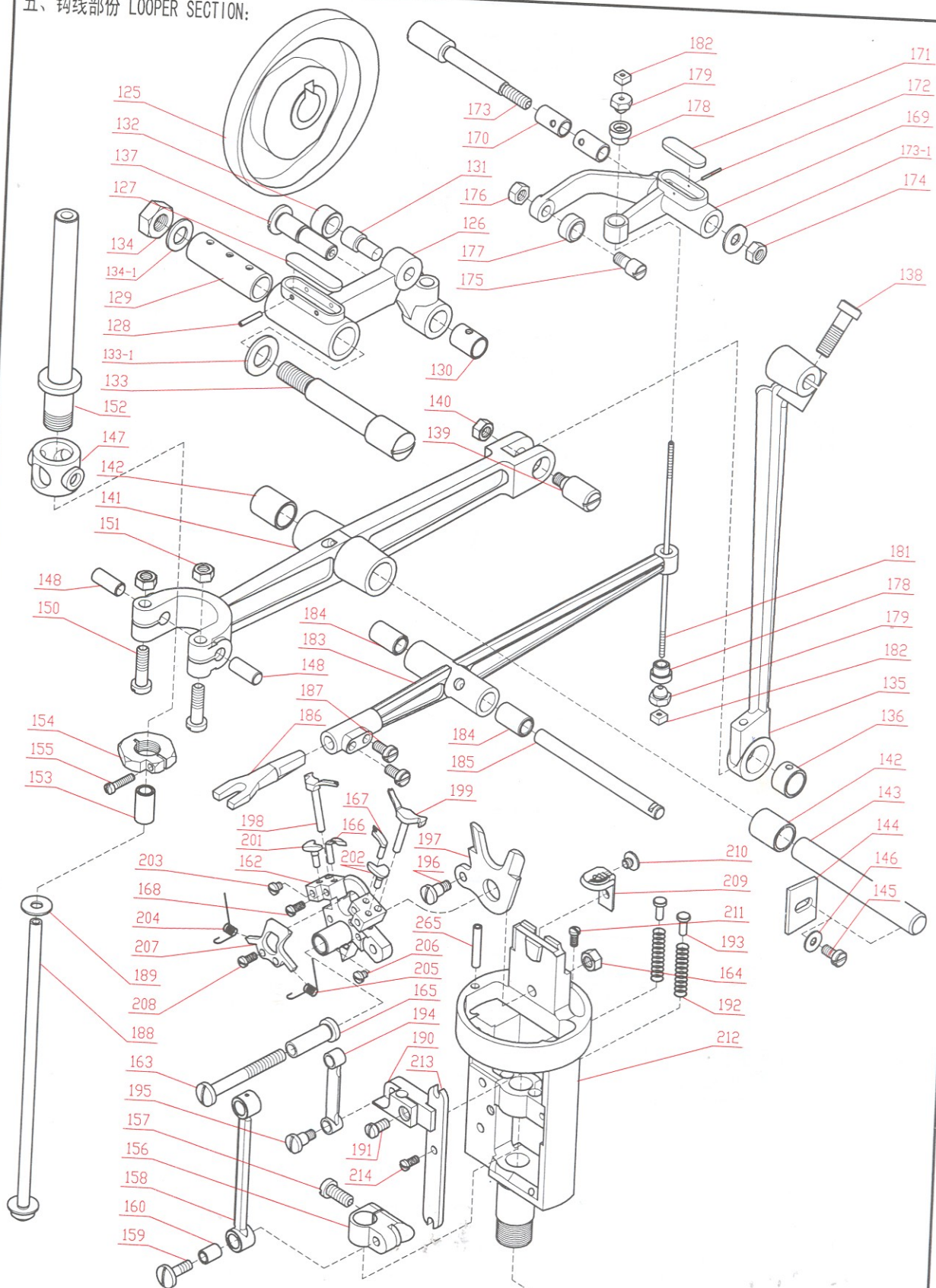
四、摆针部份 BIGHT SECTION:



四、摆针部份 BIGHT SECTION:

件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
87	1	摆针凸轮 throw cam	105	1	摆针横轴 throw cross axle
88	1	摆针凸轮滚柱座 roller seat	106	1	摆针横轴油毡 felt for 105
89	1	摆针凸轮滚柱座螺钉 screw for 88	107	2	摆针横轴半月形油毡 half circle felt
90	1	摆针滚柱 roller for needle throw	108	1	摆针横轴调节铰 hinge for 105
91	1	摆针滚柱 roller for needle throw	109	1	摆针横轴调节铰螺钉 screw for 108
92	1	摆针驱动杆连接螺钉 screw for 93	110	1	摆针横轴调节螺母 regulating screw
93	1	摆针驱动杆 driving lever	111	1	摆针横轴调节螺母 nut for 110
94	1	摆针驱动杆套管 bush for 93	112	1	摆针叉轴 fork-axle
95	1	摆针驱动连杆 driving link	113	1	摆针接头 joint
96	2	摆针驱动连杆螺钉 screw for 95	114	1	摆针接头索母 nut for 113
96-1	1	摆针驱动杆螺钉垫圈 washer for 96	115	1	摆针接头索母螺钉 screw for 114
97	1	摆针驱动杆滚柱 roller for 95	116	2	摆针接头索母弹簧钩 spring hook
98	1	摆针调节铰 slotted hinge	118	1	摆针接头弹簧 spring for 113
99	1	摆针调节铰螺钉 screw for 98	119	1	摆针导架 guide block
100	1	摆针调节铰螺母 nut for 99	120	2	摆针导向销 guide block pin
101	1	摆针调节螺钉 throw regulating screw	121	2	摆针导向销垫圈 washer for 120
102	1	摆针调节蝶形螺母 butterfly nut	122	2	摆针导向销弹簧 spring for 120
103	2	摆针调节螺钉垫圈 washer for 101	123	2	摆针导向销挡板 stop block for 120
104	1	摆针调节限位片 stop-piece	124	2	针杆导向销挡板螺钉 screw for 123

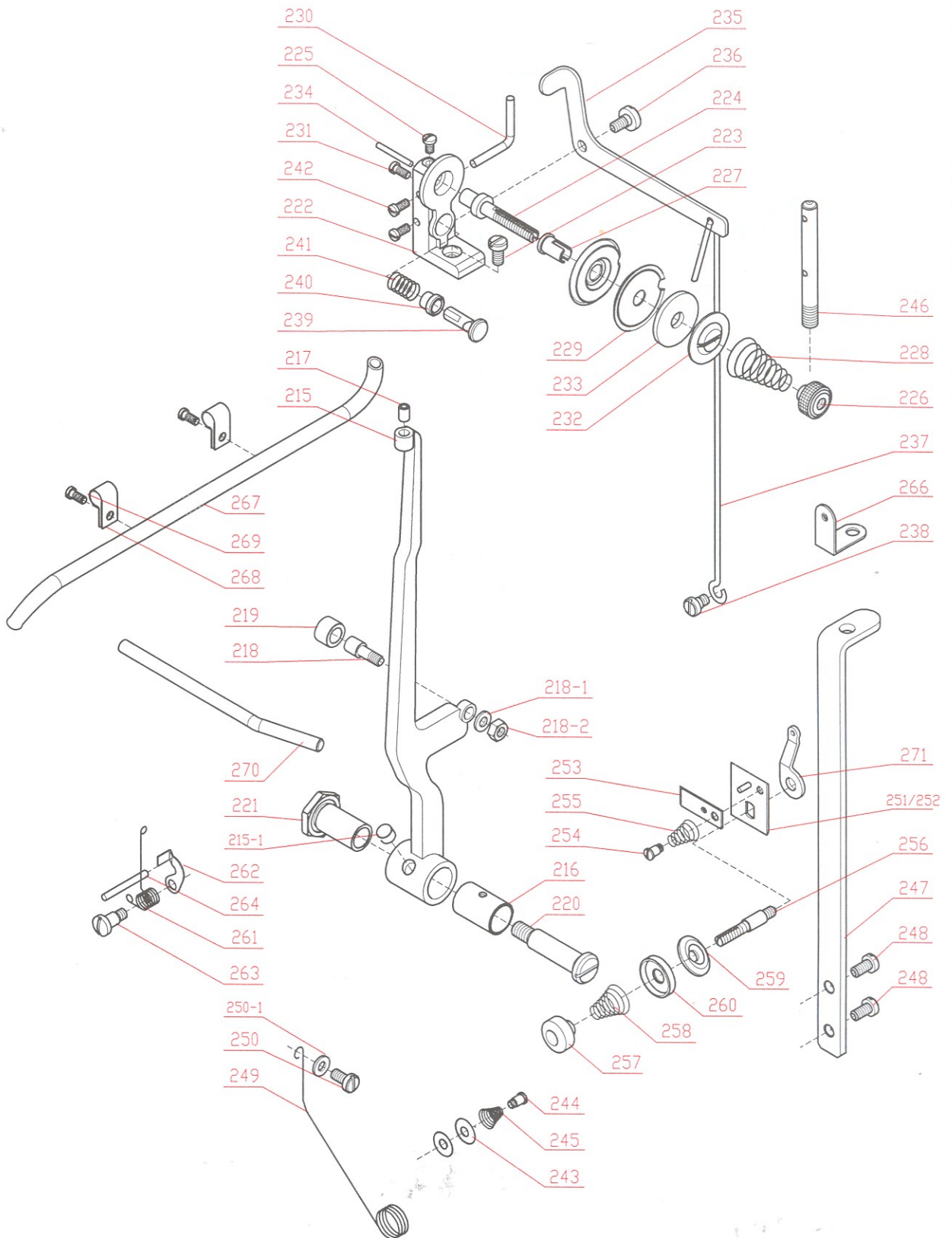
五、钩线部份 LOOPER SECTION:



五、钩线部份 LOOPER SECTION:

件号 Part No.	数量 Q'ty	名 称 Description	件号 Part No.	数量 Q'ty	名 称 Description
125	1	摆钩凸轮 looper cam	171	1	拔线钩滚柱架油毡 felt for 169
126	1	摆钩滚柱架 roller arm	172	1	拔线钩滚柱架油毡销钉 pin for 171
127	1	摆钩滚柱架油毡 felt for 126	173	1	拔线钩架轴 spreader axle
128	2	摆钩滚柱架油毡销 pin for 127	173-1	1	拔线钩架轴垫圈 washer for 173
129	1	摆钩滚柱架轴套管 bush for 133	174	1	拔线钩架轴螺母 nut for 173
130	1	摆钩滚柱架连接轴套管 bush for 137	175	1	拔线钩滚柱轴 roller axle
131	1	摆钩滚柱轴 roller axle	176	1	拔线钩滚柱轴螺母 nut for 175
132	1	摆钩滚柱 roller	177	1	拔线钩滚柱 spreader roller
133	1	摆钩滚柱架轴 roller arm axle	178	2	球面垫圈 circle face washer
134	1	摆钩滚柱架轴螺母 nut for 133	179	2	凸球面螺母 nut for 178
135	1	摆钩驱动杆 driving lever	181	1	拉棒 draw stick
136	1	摆钩驱动杆套管 sleeve for 135	182	2	拉棒方螺母 square nut for 181
137	1	摆钩驱动杆连接轴 joint axle	183	1	拔线钩杆 spreader lever
138	1	摆钩驱动杆螺钉 screw for 135	184	2	拔线钩杆套管 bush for 183
139	1	摆钩驱动杆连接螺钉 screw for 141	185	1	拔线钩杆轴 axle for 183
140	1	摆钩驱动杆连接螺母 nut for 139	186	1	拔线钩叉轴 spreader fork axle
141	1	摆钩杆 throw lever	187	1	拔线钩叉轴螺钉 screw for 186
142	2	摆钩杆套管 bush for 141	188	1	拔线钩轴 spreader axle
143	1	摆钩杆轴 axle for 141	189	1	拔线钩轴垫圈 washer for 188
144	1	杆轴管位片 stop piece for 143	190	1	拔线钩轴接头 join for 188
145	1	杆轴管位片螺钉 screw for 144	191	1	拔线钩轴接头螺钉 screw for 190
146	1	杆轴管位片螺钉垫圈 washer for 145	192	2	拔线钩轴接头弹簧 spring for 190
147	1	摆钩杆接头 lever joint	193	2	拔线钩轴接头弹簧顶销 pin for 192
148	2	摆钩杆接头圆销 round head pin	194	1	拔线钩连杆 spreader lever
150	2	摆钩杆接头圆销螺钉 screw for 148	195	1	拔线钩连杆螺钉 screw for 194
151	2	摆钩杆接头圆销螺母 nut for 150	196	1	拔线钩摆动片螺钉 screw for 197
152	2	摆钩轴 looper throw axle	197	1	拔线钩摆动片 swing piece
153	1	摆钩轴套管 bush for 152	198	1	左拔线钩组件 left spreader assembly
154	1	摆钩轴螺母 nut for 152	199	1	右拔线钩组件 right spreader assembly
155	1	摆钩轴螺母螺钉 screw for 154	201	1	左拔线钩定位块 left spreader locator
156	1	摆钩轴接头 joint for 152	202	1	右拔线钩定位块 right spreader locator
157	1	摆钩轴接头螺钉 screw for 156	203	2	拔线钩定位块螺钉 screw for locator
158	1	摆钩连杆 looper throw lever	204	1	左拔线钩弹簧 spring for left spreader
159	2	摆钩连杆螺钉 screw for 158	205	1	右拔线钩弹簧 spring for right spreader
160	2	摆钩连杆螺钉滚筒 screw sleeve	206	2	拔线钩弹簧螺钉 screw for 204, 205
162	1	摆钩架 looper rack	207	1	护针架 needle guard
163	1	摆钩架螺钉 screw for 162	208	2	护针架螺钉 screw for 207
164	1	摆钩架螺母 nut for 162	209	1	针板 needle plate
165	2	摆钩架螺钉滚筒 roller for 162	210	1	针板螺钉 screw for 209
166	1	左线钩 left looper	211	1	针板定位螺钉 position screw for 209
167	1	右线钩 right looper	212	1	钩架 looper holder
168	1	线钩螺钉 looper screw	213	1	钩架管位片 stop piece for 212
169	1	拔线钩滚柱架 spreader rack	214	3	钩架管位片螺钉 screw for 213
170	2	拔线钩滚柱架套管 bush for 169			

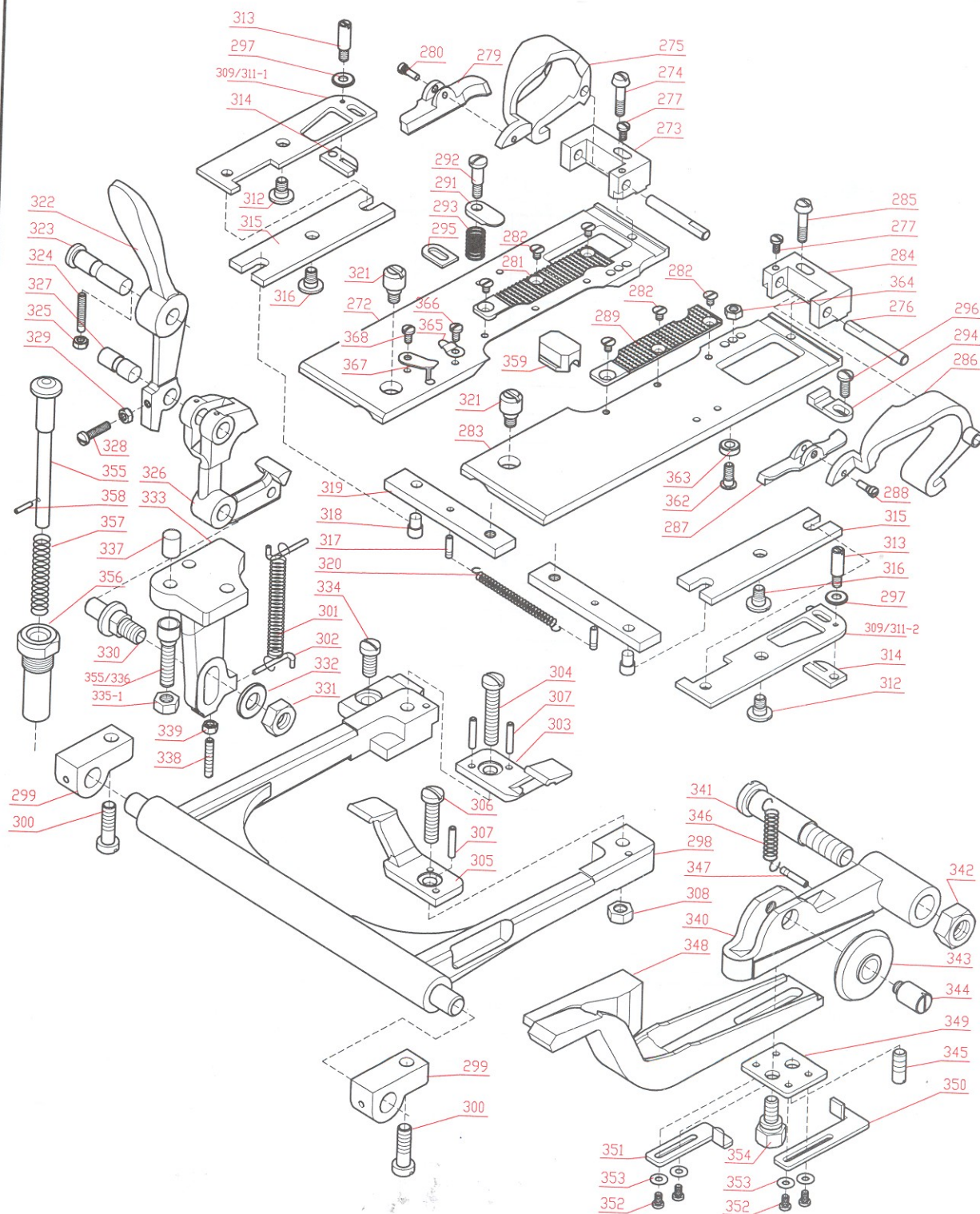
六、过线部分 THREAD GUIDE SECTION:



六、过线部分 THREAD GUIDE SECTION:

件号 Part No.	数量 Q'ty	名 称 Description	件号 Part No.	数量 Q'ty	名 称 Description
215	1	挑线杆 take-up lever	243	2	小夹线板 small discs
216	1	挑线杆套管 bush for 215	244	1	小夹线板弹簧螺钉 screw for 243
217	1	挑线杆穿线管 thread pipe for 215	245	1	小夹线板弹簧 spring for 243
218	1	挑线杆滚柱轴 roller axle for 215	246	1	过线柱 thread post
218-1	1	挑线杆滚柱轴螺母 nut for 218	247	1	过线杆 thread rod
218-2	1	挑线杆滚柱轴垫圈 washer for 218	248	2	过线杆螺钉 screw for 247
219	1	挑线杆滚柱 take-up roller	249	1	过线圈 thread guide ring
220	1	挑线杆螺钉 screw for 215	250	1	过线圈螺钉 screw for 249
221	1	挑线杆螺母 nut for 215	250-1	1	过线圈螺钉垫圈 washer for 250
222	1	夹线座 tension seat	251/252	1	下夹线垫片 supporting piece
223	1	夹线座螺钉 screw for 222	253	1	下夹线顶夹片 pushing piece
224	1	夹线螺钉 tension screw	254	1	下夹线顶夹片螺钉 screw for 253
225	1	夹线螺钉紧固螺钉 fix screw for 224	255	1	下夹线顶夹片弹簧 spring for 253
226	1	夹线螺母 tension nut	256	1	下夹线螺钉 screw for low-thread tension
227	1	夹线螺钉套管 space sleeve for 224	257	1	下夹线螺母 tension nut for 256
228	1	夹线弹簧 tension spring	258	1	下夹线弹簧 spring for 256
229	2	夹线板 discs	259	1	下夹线下夹板 low disc
230	1	夹线板栏杆 disc rod	260	1	下夹线上夹板 up disc
231	1	夹线板栏杆螺钉 screw for 230	261	1	挑线弹簧 take-up spring
232	1	松线板毛毡 felt for 232	262	1	挑线弹簧调节片 regulator for 261
233	1	开车滚柱连杆销 pin for 653	263	1	挑线弹簧调节片螺钉 screw for 262
234	1	松线钉 thread releasing stick	264	3	拦线圆销钉 keep - off pin
235	1	松线片 thread releasing piece	265	1	钩架过线管 thread pipe
236	1	松线片螺钉 screw for 235	266	1	嵌线过线架 gimp guider
237	1	松线拉杆 drawing rod	267	1	嵌线长导管 long gimp pipe
238	1	松线拉杆螺钉 screw for 237	268	2	导管夹 pipe clip
239	1	过线轴 thread pin	269	2	导管夹螺钉 screw for 268
240	1	过线轴套 sleeve for 239	270	1	嵌线短导管 short gimp pipe
241	1	过线轴弹簧 spring for 239	271	1	嵌线导片 gimp guider
242	1	过线轴螺钉 screw for 239			

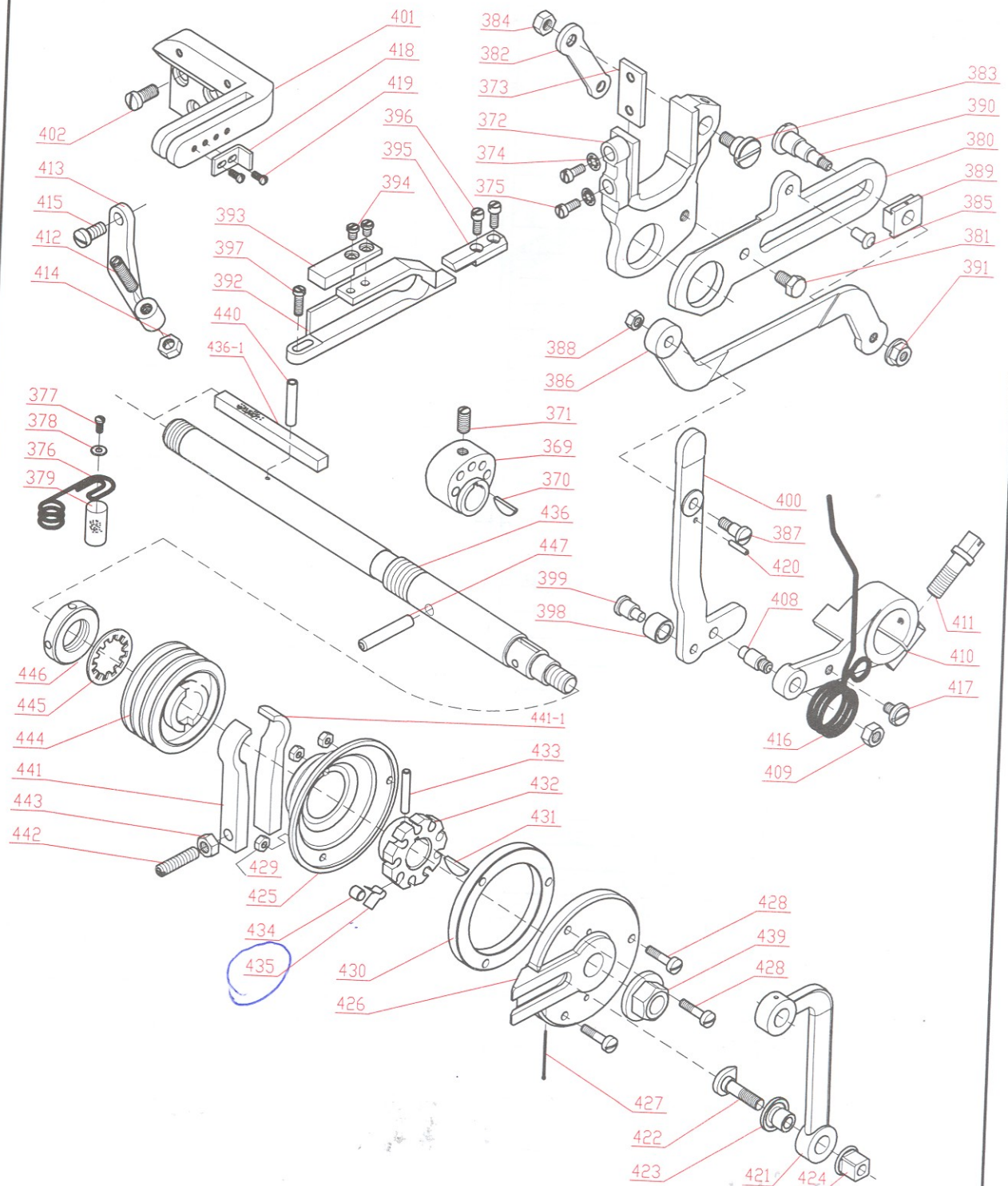
七、压布部份 SEWING MATERIAL PRESSURE SECTION:



七、压布部份 SEWING MATERIAL PRESSURE SECTION:

件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
272	1	左盖板 left cover	324	1	压牙板手紧固螺钉 fix screw for 322
273	1	左压臂座 left press arm seat	325	1	压牙板手紧固螺母 nut for 324
274	1	左压臂座螺钉 screw for 273	326	1	压牙连动铰 link hinge
275	1	左压臂 left press arm	327	1	压牙连动铰连接销 pin for 326
276	2	压臂圆销 circle pin for arm	328	1	压牙连动铰紧固螺钉 fix screw for 326
277	2	压臂圆销紧固螺钉 fix screw for 276	329	1	压牙连动铰紧固螺母 nut for 328
279	1	左压牙 left press teeth	330	1	压牙连动铰连接轴 axle for 326
280	1	左压牙螺钉 screw for 279	331	1	压牙连动铰连接轴螺母 nut for 330
281	1	左压牙垫板 shim for 279	332	1	压牙连动铰连接轴垫圈 washer for 330
282	6	压牙垫板螺钉 screw for 281	333	1	压牙连动铰座 seat for 326
283	1	右盖板 right cover	334	1	压牙连动铰座螺钉 screw for 333
284	1	右压臂座 right press arm seat	335/336	1	压牙定位螺钉组件 locating screw
285	1	右压臂座螺钉 screw for 284	335-1	1	压牙定位螺钉顶块 holder for 337
286	1	右压臂 right press arm	337	1	压牙定位顶块皮垫 leather shim
287	1	右压牙 right press teeth	338	1	压牙连动铰连接轴紧固螺钉 fix screw for 330
288	1	右压牙螺钉 screw for 279	339	1	压牙连动铰连接轴紧固螺母 nut for 338
289	1	右压牙垫板 shim for 287	340	1	滚轮架 roller rack
291	2	盖板压片 cover presser	341	1	滚轮架轴 roller rack axle
292	2	盖板压片螺钉 screw for 291	342	1	滚轮架轴螺母 nut for 341
293	2	盖板压片弹簧 spring for 291	343	1	滚轮 roller
294	2	盖板定位片 locationer for cover	344	1	滚轮轴螺钉 screw for roller axle
295	2	夹距定位片 position piece	345	1	滚轮架圆柱螺钉 stud for 340
296	2	盖板限位片螺钉 screw for 294	346	1	滚轮架拉簧 drag spring for 340
297	4	盖板限位片螺钉垫圈 washer for 296	347	1	滚轮架拉簧销 pin for 346
298	1	压臂托架 arm supporter	348	1	压牙起落臂 presser foot arm
299	2	压臂托架座 seat for 298	349	1	压牙起落臂调节垫板 regulating shim
300	2	压臂托架座螺钉 screw for 299	350	1	压牙起落臂先切定位片 cut - before locator
301	1	压臂托架拉簧 spring for 298	351	1	压牙起落臂后切定位片 cut - after locator
302	2	压臂托架拉簧销 spring pin	352	4	压牙起落臂定位片螺钉 screw for locator
303	1	左压臂托爪 left press arm rack	353	4	压牙起落臂定位片螺钉垫圈 washer for 352
304	1	左压臂托爪螺钉 screw for 303	354	1	压牙起落臂螺钉 screw for 348
305	1	右压臂托爪 right press arm rack	355	1	压牙保险按钮套管轴 safety knob bush axle
306	1	右压臂托爪螺钉 screw for 305	356	1	压牙保险按钮套管 sleeve for 355
307	4	压臂托爪销 pin for press arm	357	1	压牙保险按钮弹簧 spring for safety knob
308	2	压臂托爪螺母 nut for arm rack	358	1	压牙保险按钮轴销 pin for safety knob axle
309/311-1	1	盖板滑动左铰组件 left hinge assembly	359	1	夹距滑块 moving block
309/311-2	1	盖板滑动右铰组件 right hinge assembly	361-1	1	夹距滑块防脱螺钉 off - proof screw
312	2	盖板滑动铰螺钉 screw for moving hinge	362	2	夹距滚柱轴 rooller axle
313	2	盖板限位圆柱 stop post	363	2	夹距滚柱 rooller
314	2	盖板圆柱调节片 adjusting piece for 313	364	2	夹距滚柱螺母 nut for 362
315	2	盖板滑动铰板 moveing hinge board	365	1	夹线片 thread tension discs
317/319	2	左盖板滑块组件 left moving block assembly	366	1	夹线片螺钉 screw for 365
317-1/319	1	右盖板滑块组件 right moving block assembly	367	1	割线片 thread cutter
320	1	盖板滑块拉簧 spring for moving block	368	1	割线片螺钉 screw for 367
321	2	盖板限位圆柱螺钉 screw for 313			
322	1	压牙板手 presser foot handle			
323	1	压牙板手销 pin for 322			

八、进退部分 TO AND FRO SECTION (1) :

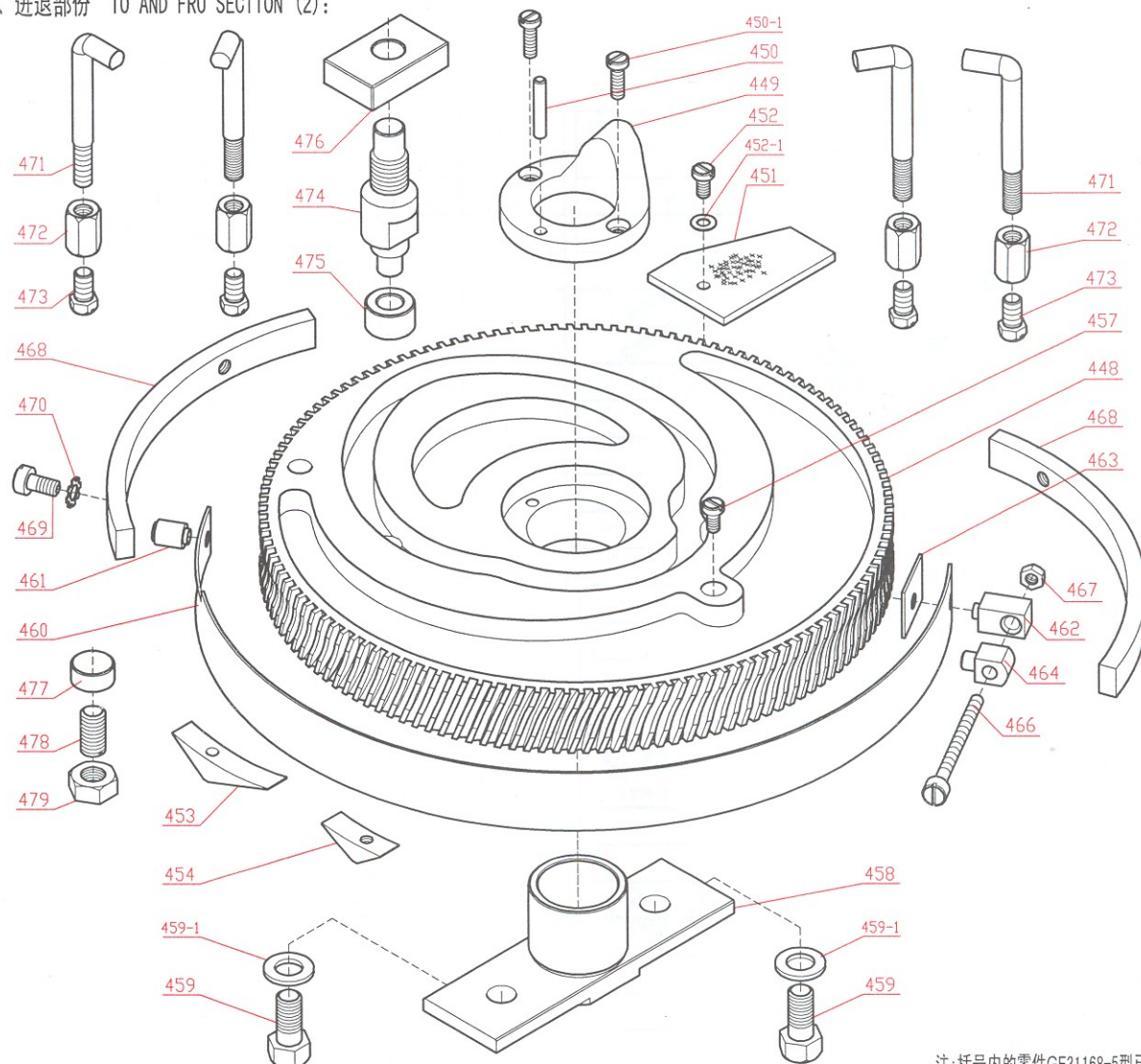


八、进退部分 TO AND FRO SECTION (1) :

注: 括号内的零件GF31168-5型已停用

件号 Part No.	数量 Q'ty	名 称 Description	件号 Part No.	数量 Q'ty	名 称 Description
369	1	三角凸轮 trianpla cam	(411)	1	针距滚柱曲柄螺钉 screw for 410
370	1	三角凸轮半圆键 half circle key	(412)	1	针距滚柱曲柄压码 press block for 410
371	1	三角凸轮紧固螺钉 fix screw for 369	(413)	1	曲柄压码调节螺钉 regutating screw
(372)	1	牙叉 fork	(414)	1	曲柄压码调节螺母 regulating nut
373	1	牙叉垫片 fork shim	(415)	2	曲柄压码螺钉 screw for 412
374	2	牙叉垫片内齿弹簧垫圈 spring washer for 373	(416)	1	复位弹簧 reset spring
375	2	牙叉垫片螺钉 screw for 373	(417)	1	复位弹簧螺钉 screw for 416
(376)	1	牙叉油毡弹簧 spring for 379	(418)	1	复位弹簧定位片 locating piece for 416
(377)	1	牙叉油毡弹簧螺钉 screw for 376	(419)	1	复位弹簧定位片螺钉 screw for 418
(378)	1	牙叉油毡弹簧螺钉垫圈 washer for 376	(420)	1	复位弹簧销钉 pin for 416
(379)	1	牙叉油毡 felt for fork	421	1	棘轮驱动杆 ratchet driving lever
(380)	1	针距滑块槽板 grooved block	422	1	棘轮调节螺钉 regulating screw
(381)	1	针距滑块槽板螺钉 screw for 380	423	1	棘轮调节螺钉轴套 space bush for 422
(382)	1	针距滑块槽板连接片 joint piece	424	1	棘轮调节螺钉螺母 nut for 422
(383)	1	针距滑块槽板连接片螺钉 screw for joint piece	(425)	1	棘轮外壳 shell for ratchet
(384)	1	针距滑块槽板连接片螺母 nut for joint piece	(426)	1	棘轮面盖 ratchet cover
(385)	1	针距滑块槽板连接片铆钉 rivet for joint piece	(427)	1	棘轮面盖开口销 cotter for 426
(386)	1	针距滑块连杆 link	(428)	1	棘轮盖螺钉 screw for 426
(387)	1	针距滑块连杆连接螺钉 screw for 386	(429)	2	棘轮盖螺母 nut for 426
(388)	1	针距滑块连杆连接螺母 washer for 387	430	1	棘轮环 ring for ratchet
(389)	1	针距滑块 stitch slide	431	1	棘轮牙轮半圆键 half circle key
(390)	1	针距滑块轴 axle for 389	432	1	棘轮牙轮 ratchet
(391)	1	针距滑块轴螺母 nut for 390	433	1	棘轮牙轮销 pin for 432
(392)	1	针距座 stitch seat	434	9	棘轮滚柱 roller for ratchet
(393)	1	针距座连接块 link block for 392	435	9	棘轮滚柱弹簧片 spring piece
(394)	2	针距座接块螺钉 screw for 393	436	1	蜗杆轴 worm shatf
(395)	1	针距座压紧块 press block for 392	436-1	1	蜗杆轴油毡 felt for 436
(396)	2	针距座压紧块螺钉 screw for 395	(439)	1	蜗杆轴螺母 nut for 436
(397)	1	针距座螺钉 screw for 392	440	1	蜗杆轴油管 oil pipe or 436
(398)	1	针距滚柱 stitch roller	441	1	蜗杆轴夹紧前块 front clamping block
(399)	1	针距滚柱轴 axle for 398	441-1	1	蜗杆轴夹紧后块 rear clamping block
(400)	1	针距滚柱杆 lever for roller	442	1	蜗杆轴夹紧块调节螺钉 regulating screw for 441
401	1	针距滚柱杆管位架 rack for 400	443	1	蜗杆轴夹紧块调节螺母 nut for 442
402	3	管位架螺钉 screw for 401	444	1	蜗轮盘蜗杆 worm
(408)	1	针距滚柱杆连接螺钉 screw for 400	445	1	蜗轮盘螺帽杆斜牙垫圈 washer for 444
(409)	1	针距滚柱杆连接螺母 nut for 408	446	1	蜗轮盘蜗杆螺母 fix nut for 444
(410)	1	针距滚柱曲柄 crank for 398	447	1	蜗轮蜗杆销 pin for 444

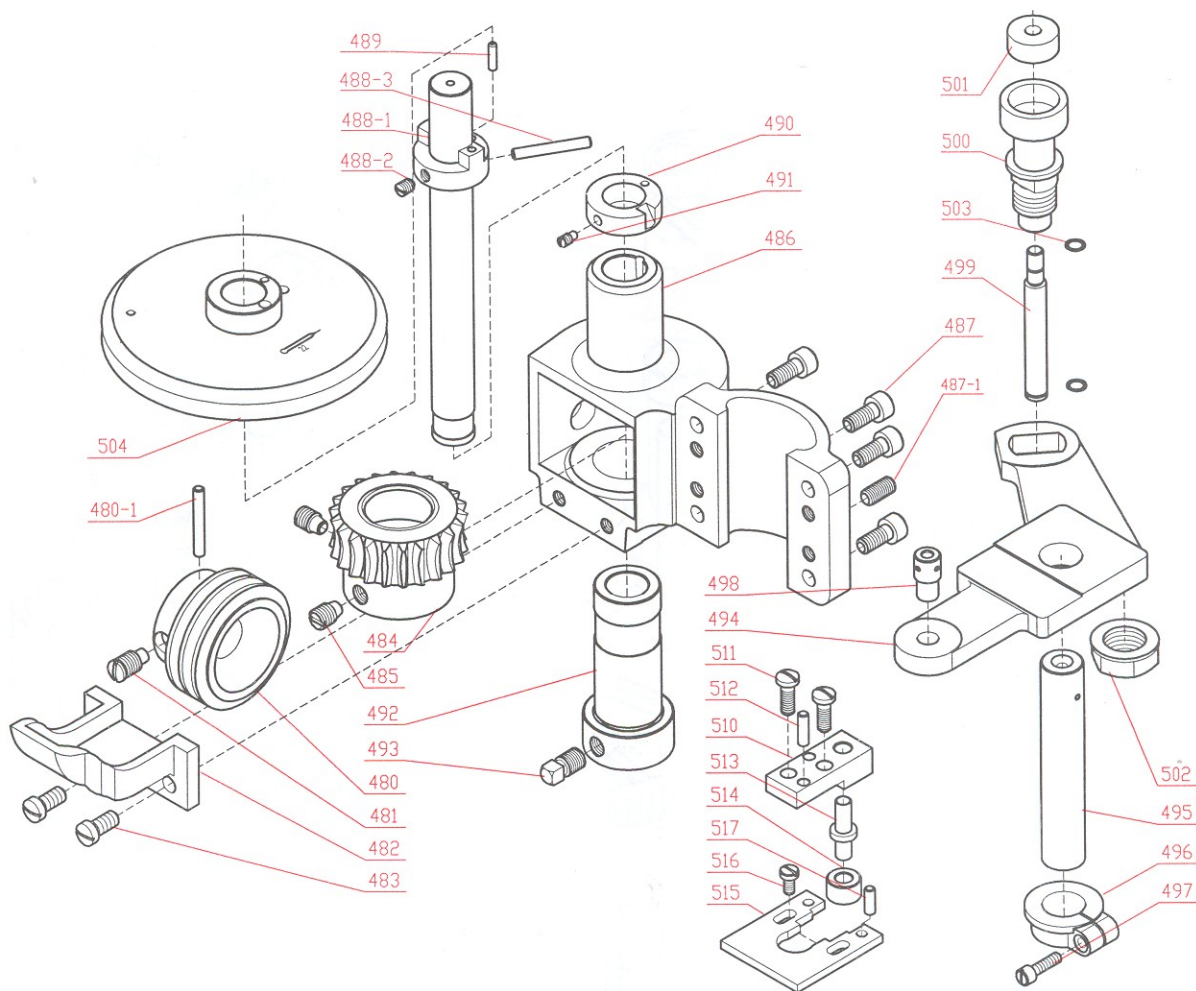
八、进退部份 TO AND FRO SECTION (2):



注: 括号内的零件GF31168-5型已停用

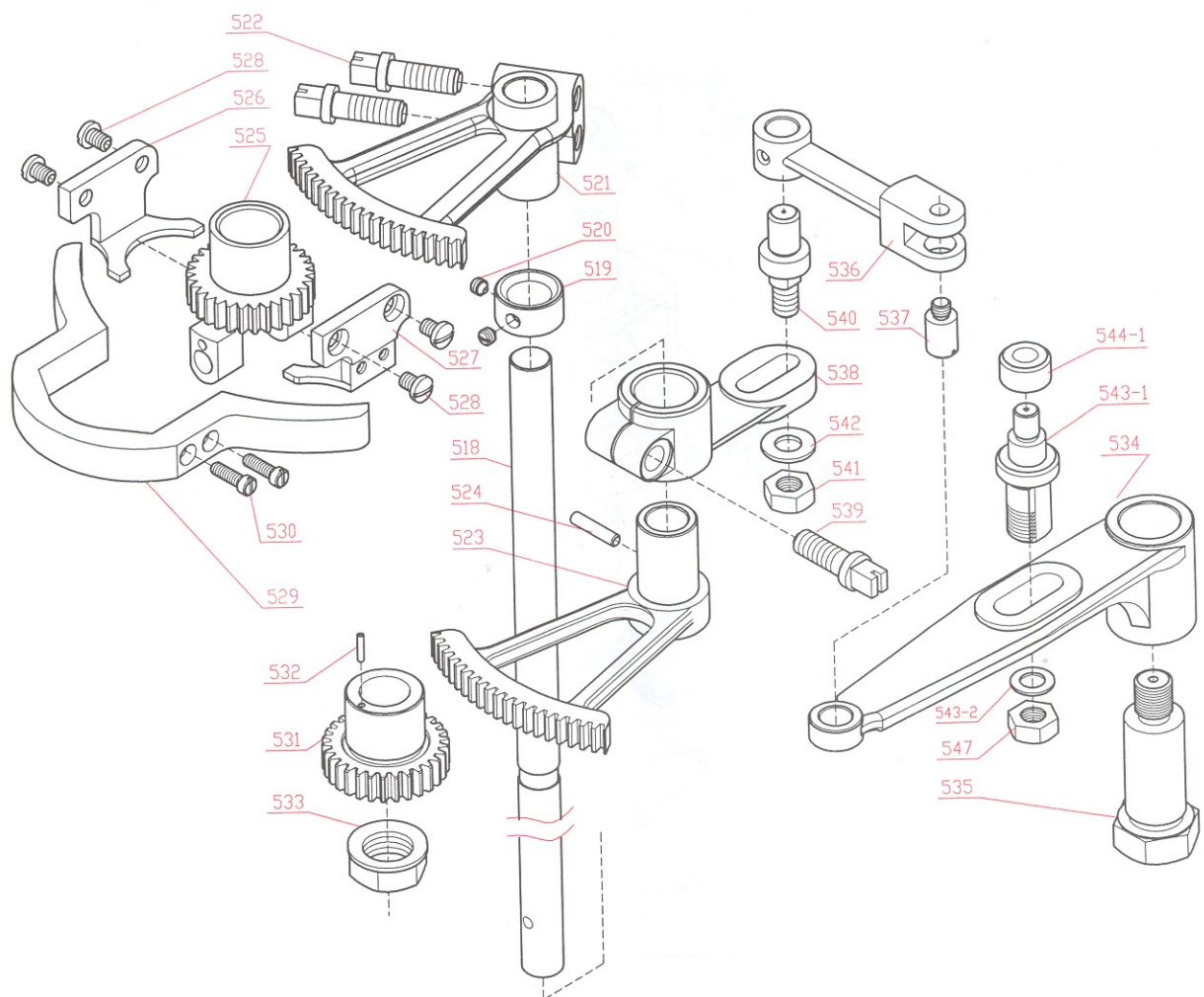
件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
448	1	蜗轮盘 worm gears	463	1	蜗轮盘箱调节方头销垫片 shim for 462
449	1	切压凸轮 cut - press cam	464	1	方头铆钉 square head rivet
450	1	切压凸轮销钉 pin for 449	466	1	蜗轮盘箱调节螺钉 regulating screw for 460
451	1	切压凸轮油毡 felt for 449	467	1	蜗轮盘箱调节螺钉 regulating screw for 460
451-1	2	切压凸轮螺钉 screw for 449	(468)	2	蜗轮盘压块 press block
452	1	切压凸轮油毡螺钉 screw for 451	469	4	蜗轮盘压块螺钉 screw for 468
452-1	1	切压凸轮油毡螺钉垫圈 washer for 452	470	4	蜗轮盘压块外齿弹性垫圈 spring washer
453	1	先切落牙凸块 cut - before block	471	4	钩形螺钉 bent bolt
454	1	后切落牙凸块 cut - after block	472	4	钩形螺钉螺母 nut for 471
457	2	落牙凸块螺钉 screw for 453, 454	473	4	钩形螺钉紧固螺钉 fix screw 471
458	1	蜗轮盘座 seat for worm gears	474	1	蜗轮盘滚柱轴 roller axle for 448
459	2	蜗轮盘座螺钉 screw for 458	475	1	蜗轮盘滚柱 roller for worm
459-1	2	蜗轮盘座螺钉垫圈 washer for 459	476	2	工作台面位滑块 slide block
460	1	蜗轮盘箱 hoop for 448	477	2	工作台面垫块 space block
461	1	蜗轮盘箱圆销钉 pin for 460	478	2	工作台面垫块调节螺钉 regulating screw 477
462	1	蜗轮盘箱调节方头销 regulating square - head pin	479	2	工作台面垫块调节螺母 regulating nut for 478

九、钮形部份(一) BUTTONHOLE STYLE SECTION (1) :



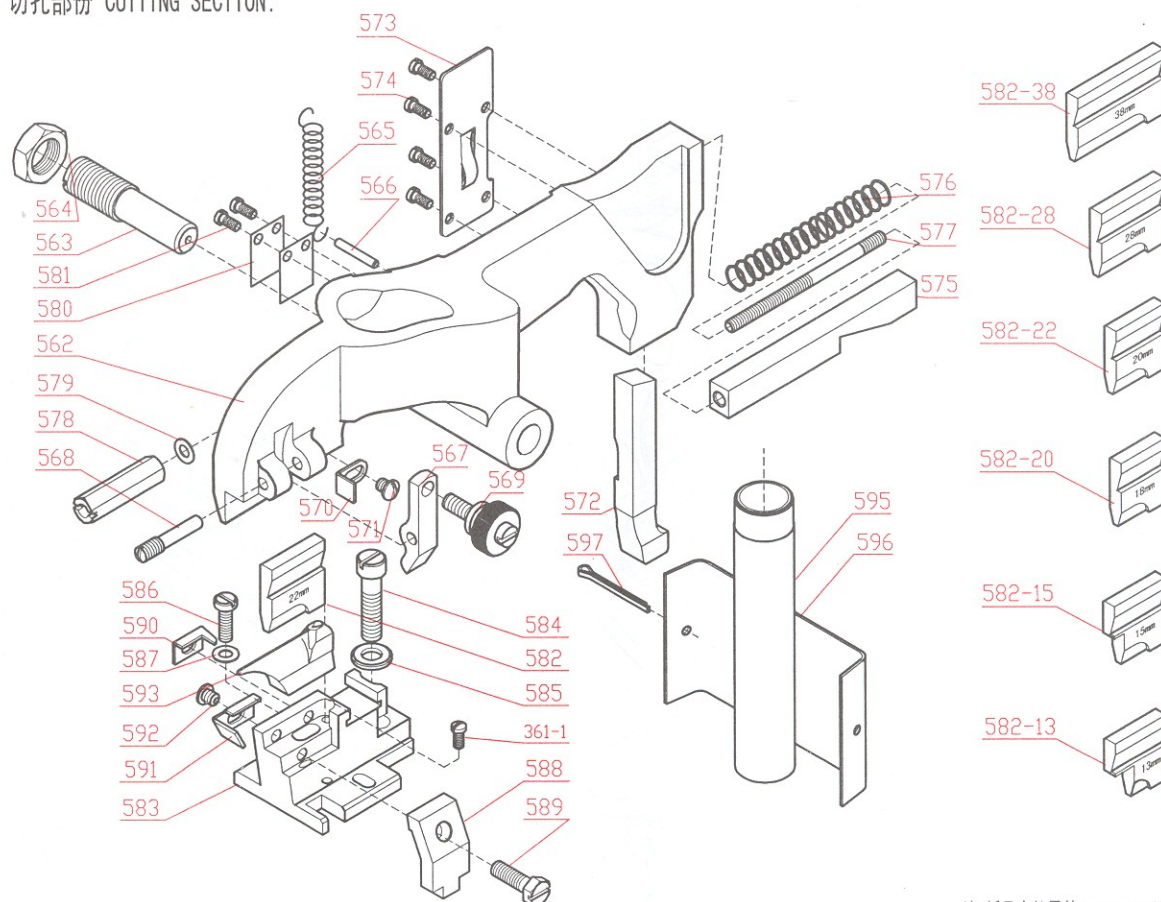
件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
480	1	钮形凸轮蜗杆 worm	496	1	摆动板立轴管位圈 shaft collar
480-1	1	销钉 pin	497	1	摆动板立轴管位圈螺钉 screw for 496
481	1	钮形凸轮蜗杆定位螺钉 positioning screw	498	1	摆动板圆柱 stud for 494
482	1	蜗杆外罩 worm cover	499	1	钮形凸轮轴 rolling shaft
483	2	蜗杆外罩螺钉 screw for 482	500	1	滚轴套管 sleeve for 499
484	1	钮形凸轮蜗轮 worm gears	501	1	轴承 bearing
485	1	钮形凸轮蜗轮定位螺钉 positioning screw	502	1	滚轴套管螺母 nut for 500
486	1	蜗轮外壳 shell for worm gears	503	1	垫圈 washer
487	4	蜗轮外壳螺钉 screw for 486	504	5	钮形凸轮(随机装22, 共配5个) eyelet buttonhole cam
487-1	4	蜗轮外壳螺钉 screw for 486	510	1	工作台定位座 work plate block
488	1	钮形凸轮立轴 vertical shaft	511	2	工作台定位座螺钉 screw for 510
489	1	凸轮立轴定位销 pin for 488	512	2	工作台定位座销钉 pin for 510
490	1	凸轮立轴垫圈 washer fr 488	513	1	工作台定位滚柱轴 roller shaft
491	1	凸轮立轴垫圈管位螺钉 fix screw for 490	514	1	工作台定位滚柱 roller
492	1	凸轮立轴套筒 bush for 488	515	1	工作台定位板 positioning board
493	2	凸轮立轴套筒螺钉 screw for 492	516	1	工作台定位螺钉 screw for 515
494	1	钮形摆动板 swing block	517	1	工作台定位板销钉 pin for 515
495	1	钮形摆动板立轴 vertical axle for 494			

九、钮形部份(二) BUTTONHOLE STYLE SECTION (2) :



件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
518	1	扇齿立轴 vertical shaft for 521	533	1	下前齿轮螺母 nut for 531
519	1	扇齿立轴管位圈 collar for 518	534	1	扇齿摆动杆 swing lever
520	2	扇齿轴管位圈螺钉 screw for 519	535	1	扇齿摆动杆螺钉 screw for 534
521	1	上扇形齿轮 upper sector gear	536	1	扇齿摆动连杆 link
522	2	扇形齿轮螺钉 screw for 521	537	1	扇齿摆动连杆连接螺钉 screw for 536
523	1	下扇形齿轮 lower sector gear	538	1	扇齿调节连杆 regulating lever
524	1	下扇齿销钉 pin for 523	539	1	扇齿调节连杆螺钉 screw for 538
525	1	上前齿轮 upper gear	540	1	扇齿调节连杆调节轴 regulating shaft
526	1	齿轮左托板 left support for 525	541	1	扇齿调节连杆调节轴螺母 nut for 540
527	1	齿轮右托板 right support for 525	542	1	扇齿调节连杆调节轴螺母垫圈 washer for 541
528	4	齿轮托板螺钉 screw for 526	543-1	1	蜗轮盘滚柱螺钉 screw
529	1	扇形齿轮护罩 sector gear guard	543-2	1	蜗轮盘滚柱螺钉垫圈 washer
530	2	扇齿轮护罩螺钉 screw for 529	544-1	1	蜗轮盘滚柱 roller
531	1	下前齿轮 lower gear	547	1	活套管螺母 nut for sleeve
532	1	下前齿轮销钉 pin for 531			

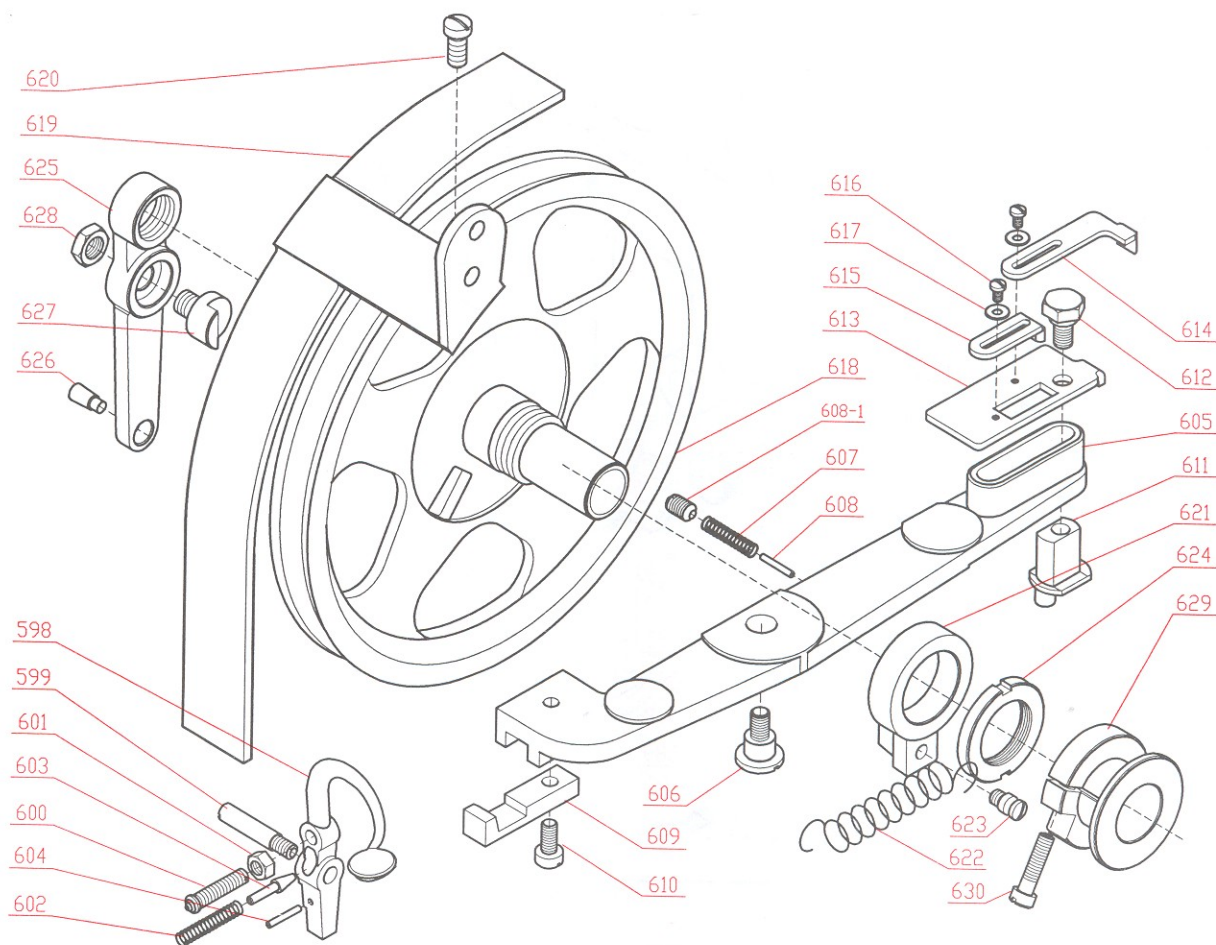
十、切孔部份 CUTTING SECTION:



注: 括号内的零件GF31168-5型已停用

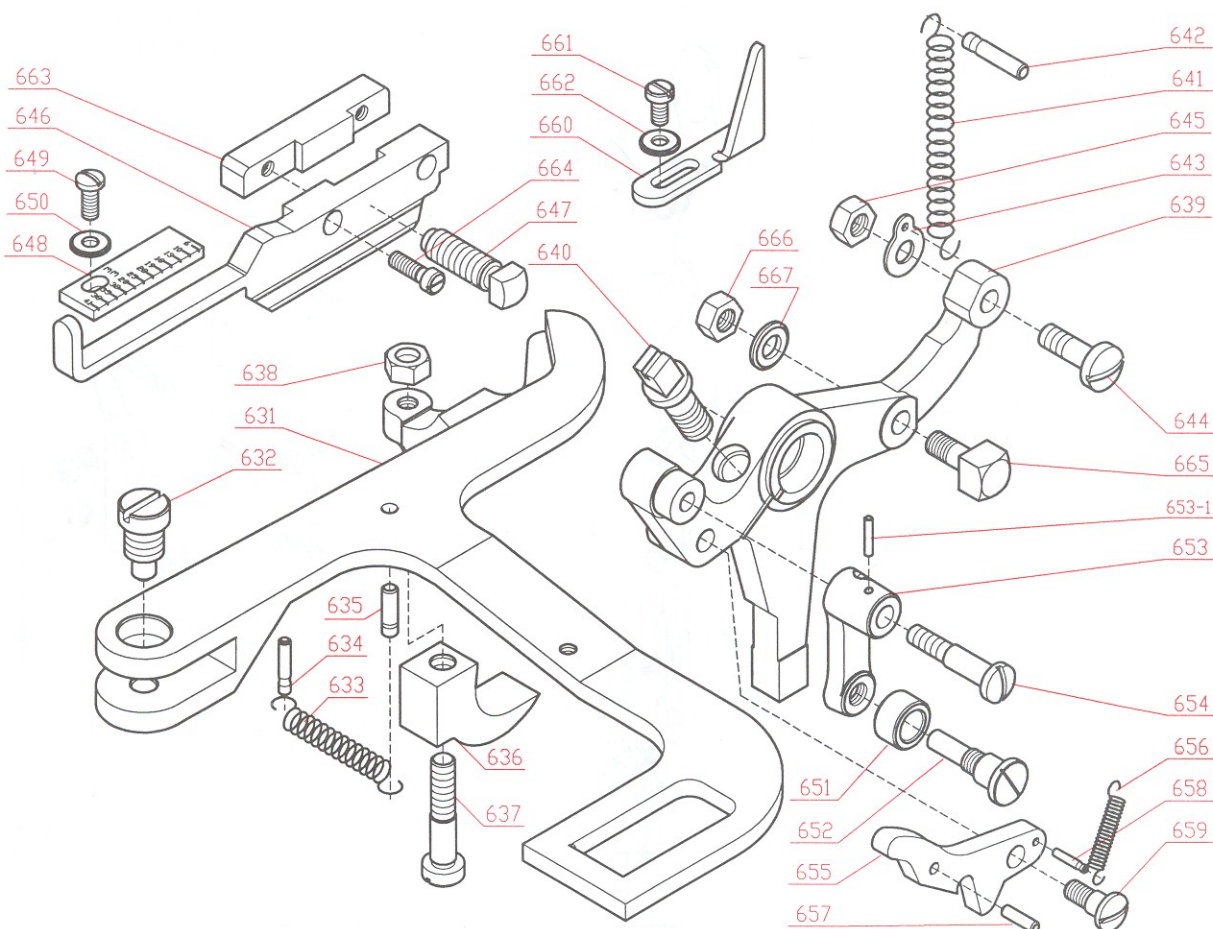
件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
562	1	切块架 cutter-block arm	582-2	1	15mm切块 cutter 15mm
563	1	切块架螺钉 screw for 562	582-3	1	20mm切块 cutter 20mm
564	1	切块架螺母 nut for 562	582-4	1	22mm切块 cutter 22mm
565	1	切块架弹簧 spring for 562	582-5	1	28mm切块 cutter 28mm
566	1	切块架弹簧销 pin for 565	582-6	1	38mm切块 cutter 38mm
567	1	切块压臂 perss arm	583	1	切刀座 cutter seat
568	1	切块压臂销 pin for 567	584	1	切刀座长螺钉 long screw for 583
569	1	切块压臂螺钉 screw for 567	585	1	切刀座长螺钉垫圈 washer for 584
570	1	切块定位片 positioning piece	586	1	切刀座螺钉 screw for 583
571	1	切块定位片螺钉 screw for 570	587	1	切刀座螺钉垫圈 washer for 586
572	1	切块顶杆 cutter bar	588	1	夹刀板 clamping block
573	1	切块顶杆压片 press sheet for 572	589	1	夹刀板螺钉 screw for 588
574	1	切块定位片螺钉 screw for 573	590	1	切刀后定位片 rear stopper
575	1	切块压力调节杆 pressure regulator	591	1	切刀前定位片 front stopper
576	1	切块压力调节弹簧 spring for 575	592	1	定位片螺钉 screw for stopper
577	1	切块压力调节螺钉 screw for 575	593	1	圆头切刀 eyelet cutter
578	1	切块压力调节螺母 nut for 577	(593-1)	1	平头切刀 flat cutter
579	1	切块压力调节螺钉垫圈 washer for 577	(593-2)	1	小圆头切刀 eyelet cutteer
580	1	切块压力调节弹簧片 spring piece	595	1	废料管 waste material tube
581	1	切块压力调节弹簧片螺钉 screw for 580	596	1	废料挡板 waste material tube
582	1	切块 cutte	597	1	废料挡板开口销 pin for 596
582-1	1	13mm切块 cutter 13mm			

十一、开关部份(一) START-STOP SECTION(1):



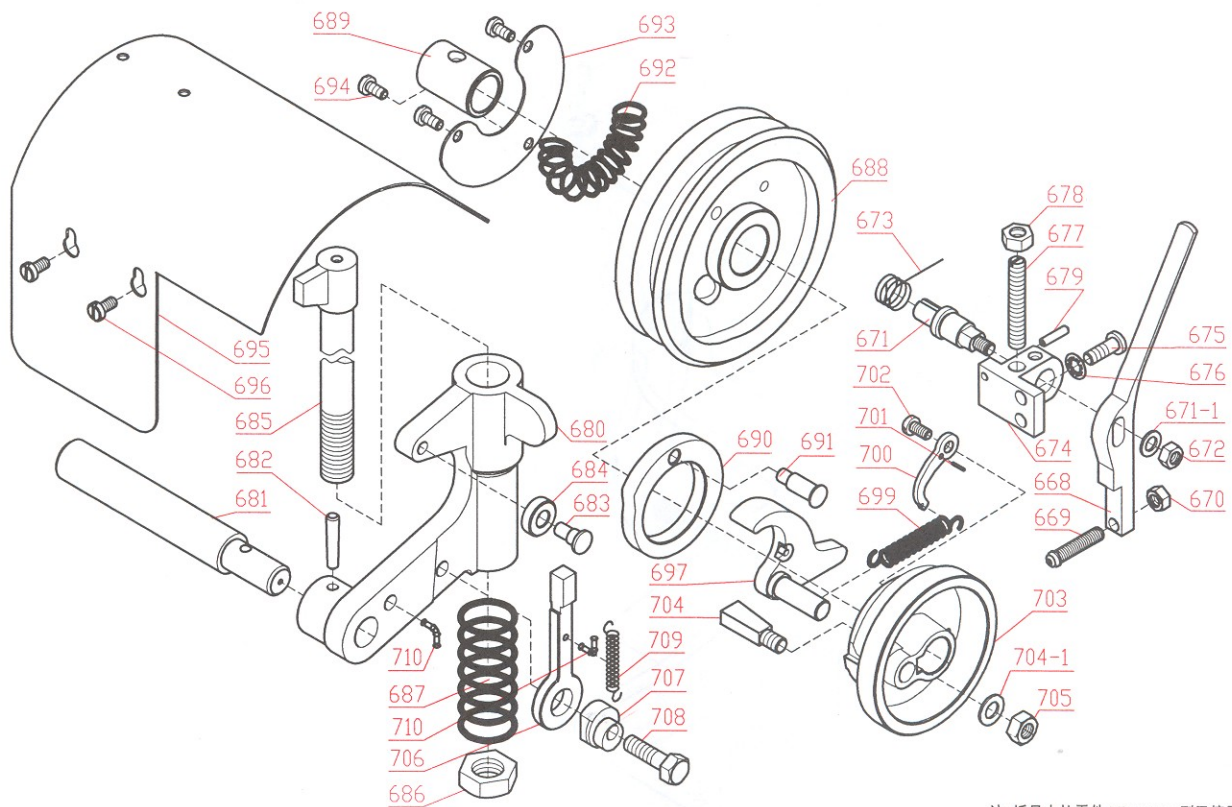
件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
598	1	启动按钮 sfart knob	614	1	启动曲柄先切定位片 cut-before positioner
599	1	启动按钮轴 bolt for 598	615	1	启动曲柄后切定位片 cut-after positioner
600	1	启动按钮调节螺钉 adjusting screw for 598	616	2	启动曲柄定位片螺钉 screw for 614,615
601	1	启动按钮调节螺母 nut for 600	617	1	启动曲柄定位片螺钉垫圈 washer for 616
602	1	启动按钮弹簧 spring for 598	618	1	高速轮 fast wheel
603	1	启动按钮弹簧顶销 pin for 602	619	1	高速轮护罩 cover for 618
604	1	启动按钮管位销 positioning pin for 598	620	2	高速轮护罩螺钉 screw for 619
605	1	启动摆杆 start swing lever	621	1	缓冲圈 buffer fing
606	1	启动摆杆螺钉 screw for 605	622	1	缓冲圈弹簧 spring for 621
607	1	启动摆杆弹簧 spring for 605	623	2	缓冲圈弹簧销 pin for 622
608	1	启动摆杆弹簧销 spring pin	624	2	缓冲圈螺母 nut for 621
608-1	1	启动摆杆弹簧调节螺钉 asjusting screw for 607	625	1	移动手柄杆 handle lever
609	1	启动管位钩 start locating block	626	1	移动手柄 handle
610	1	启动管位螺钉 screw for 609	627	1	高速轮驱动块 driving block for 618
611	1	启动定位曲柄 positioner	628	1	驱动块螺母 nut for 627
612	1	启动定期位曲柄螺钉 screw for 611	629	1	高速轮套筒 sleeve for 618
613	1	启动曲柄调节垫板 regulating shim	630	1	高速轮套筒螺钉 screw for 629

十一、开关部分 (二) START-STOP SECTION (2) :



件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
631	1	连动架 linking lever	651	1	开车滚柱 starting roller
632	1	连动架螺钉 screw for 631	652	1	开车滚柱轴 roller axle
633	1	连动架弹簧 spring for 631	653	1	开车滚柱连杆 link for 651
634	1	连动架弹簧销钉 pin for 633	653-1	1	开车滚柱连杆销 pin for 653
635	1	连动架弹簧机座销 pin for 633	654	1	开车滚柱连杆螺钉 screw for 653
636	1	连动钩 linking hook	655	1	开车定位块 start positioner
637	1	连动钩螺钉 screw for 636	656	1	开车定位块螺钉 screw for 655
638	1	连动钩螺母 nut for 636	657	1	开车定位块销钉 pin for 655
639	1	三叉连杆 fork-shape link	658	1	开车定位块拉簧 drag spring for 655
640	1	三叉连杆螺钉 screw for 639	659	1	开车定位块拉簧销 pin for 658
641	1	三叉连杆拉簧 drag spring for 639	660	1	开车定位调节码 regulating block
642	1	三叉连杆拉簧车曲销 pin for 641	661	1	开车定位调节码螺钉 screw for 660
643	1	三叉连杆拉簧圈 spring pad for 641	662	1	开车定位调节码螺钉垫圈 washer for 661
644	1	三叉连杆拉簧圈螺钉 screw for 643	663	1	关车座 stop seat
645	1	三叉连杆拉簧圈螺母 nut for 643	664	2	关车座螺钉 screw for 663
646	1	长度调节座 length regulating seat	665	1	关车方块螺钉 stop square - screw
647	1	长度调节座紧固螺钉 fix screw for 646	666	1	关车方块螺母 nut for 665
648	1	长度指示牌 length indicator	667	1	关车方块垫圈 washer for 665
649	1	长度指示牌螺钉 screw for 648			
650	1	长度指示牌螺钉垫圈 washer for 649			

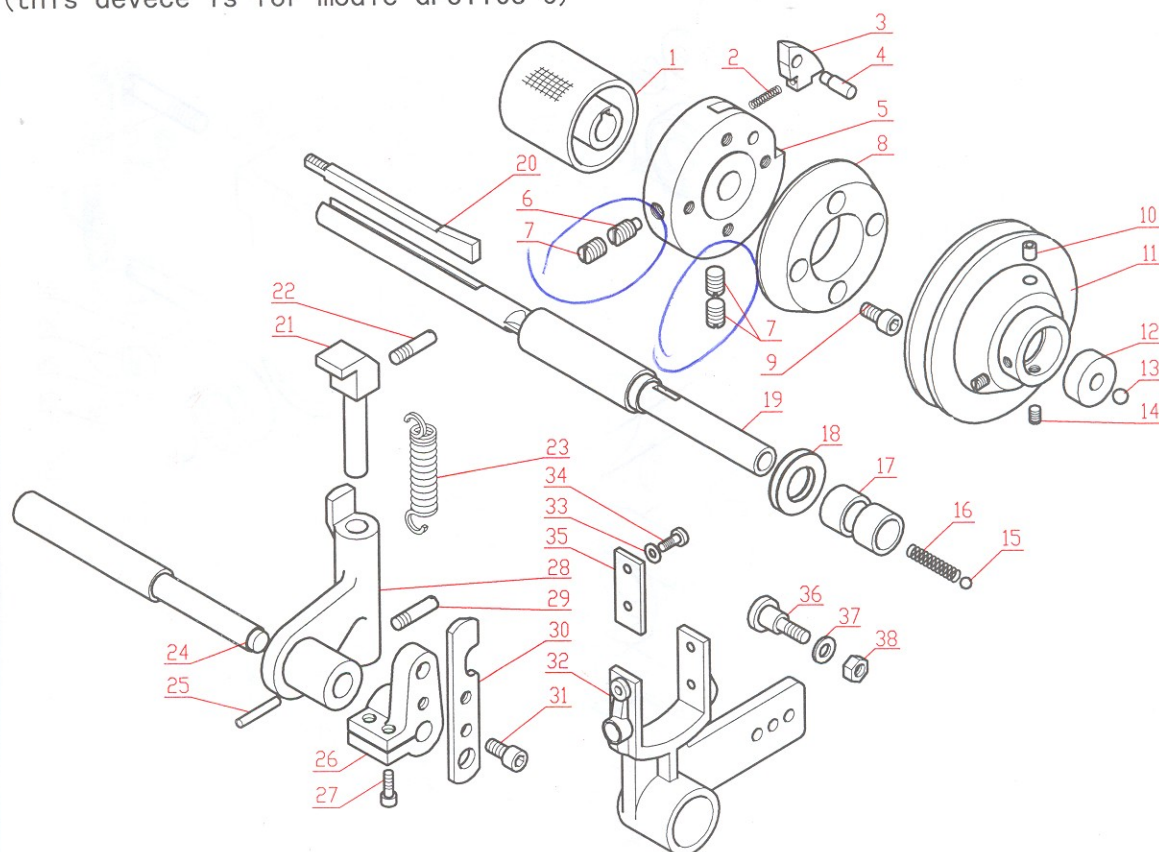
十一、开关部分 (三) START-STOP SECTION (3) :



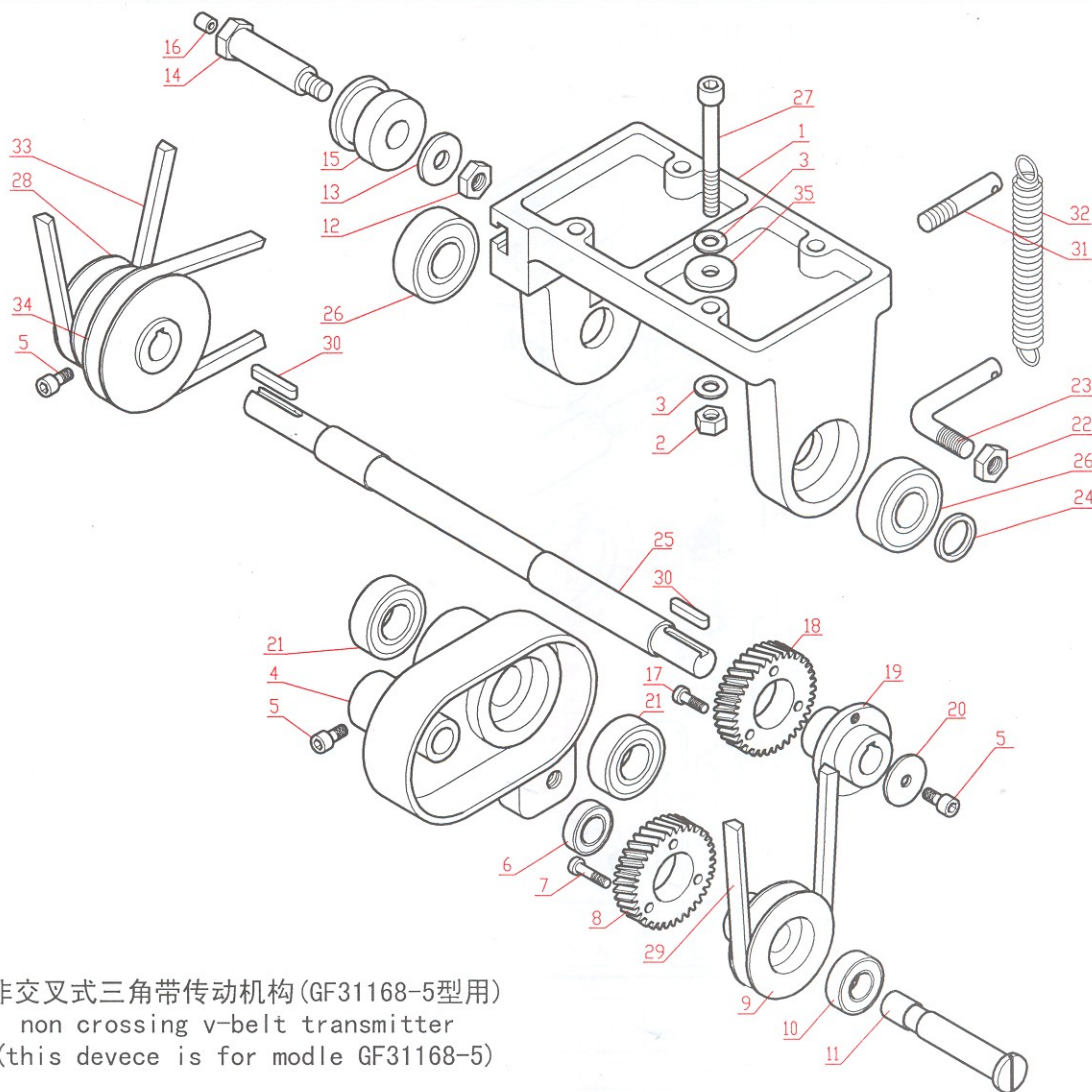
注:括号内的零件GF31168-5型已停用

件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
668	1	关车杆 stop lever	(689)	1	驱动轮套管 sleeve for 688
669	1	关车杆调节螺钉 adjusting screw for 668	(690)	1	驱动凸轮 driving cam
670	1	关车杆调节螺母 nut for 669	(691)	1	驱动凸轮轴 driving cam axle
671	1	关车杆三级螺钉 3 - step screw for 668	(692)	1	驱动轮弧形弹簧 arc - shape spring
671-1	1	关车杆三级螺钉垫圈 washer for 671	(693)	1	驱动轮盖板 cap for 688
672	1	关车三级螺母 nut for 671	(694)	3	驱动轮护罩螺钉 screw for 693
673	1	关车杆弹簧 spring for 668	695	1	驱动轮护罩 cover for 688
674	1	关车杆座 seat for 668	696	2	驱动轮护罩螺钉 screw for 695
674-1	1	关车杆座销钉 pin for 674	(697)	1	离合扣 clutch
675	2	关车杆座螺钉 screw for 674	(699)	1	离合扣弹簧 spring for 697
676	2	关车杆座螺钉内齿弹性垫圈 spring washer for 675	(700)	1	离合扣弹簧钩 hook for 699
677	1	关车杆座调节螺钉 regulating screw for 674	(701)	1	离合扣弹簧钩销钉 pin for 700
678	1	关车杆座调节螺母 nut for 677	(702)	1	离合扣弹簧钩螺钉 screw for 700
679	1	关车杆座销钉 pin for 674	(703)	1	手轮 hand wheel
(680)	1	开关座 start - stop seat	(704)	1	手轮斜键 tilted key for 703
(681)	1	开关座轴 axle for 680	(704-1)	1	手轮斜键垫圈 washer for 704
(682)	1	开关座轴销钉 pin for 681	(705)	1	手化斜键螺母 nut for 704
(683)	1	开关座滚柱轴 roller axle for 680	(706)	1	手轮定位杆 locating lever
(684)	1	开关座滚柱 roller	(707)	1	手轮定位杆偏心套 eccentric bush
(685)	1	制动杆 break lever	(708)	1	手轮定位杆螺钉 screw for 706
(686)	2	制动杆螺母 nut for 685	(709)	1	手轮定位杆拉簧 drag spring for 706
(687)	1	制动杆弹簧 spring for 685	(710)	2	手轮定位杆拉簧销钉 pin for 709
(688)	1	驱动轮 driving wheel			

圆锥式摩擦离合器机构 (GF31168-5机型用)
circular cone friction device
(this device is for model GF31168-5)



件号 part No.	数量 Q'ty	名称 Description	件号 part No.	数量 Q'ty	名称 Description
688A-1	1	手轮 handwheel	688A-20	1	键 key
688A-2	1	弹簧 spring	688A-21	1	关车扣 stop lever
688A-3	1	挡块 stopper	688A-22	1	弹簧钩 spring hook
688A-4	1	挡块轴 pin	688A-23	1	弹簧 spring
688A-5	1	停车凸轮 stop cam	688A-24	1	关车座轴 shaft
688A-6	1	定位螺钉 set screw	688A-25	1	销 pin
688A-7	3	螺钉 screw	688A-26	1	压力调节板座 regulating seat
688A-8	1	水松摩擦片 friction piece	688A-27	2	螺钉 screw
688A-9	4	螺钉 screw	688A-28	1	关车座 stop bracket
688A-10	1	油杯 oil cap	688A-29	1	弹簧钩 spring hook
688A-11	1	主轴皮带轮 beet wheel	688A-30	1	压力调节板 pressune piece
688A-12	1	钢球座 ball seat	688A-31	1	螺钉 screw
688A-13	1	□8钢球 ball	688A-32	1	牙叉 fork
688A-14	2	螺钉 screw	688A-33	2	弹性垫圈 spring washer
688A-15	1	□6钢球 ball	688A-34	2	螺钉 screw
688A-16	1	弹簧 spring	688A-35	1	垫片 shim
688A-17	2	滚针轴承 bearing	688A-36	1	牙叉螺钉 screw
688A-18	1	推力轴承 bearing	688A-37	1	M6垫圈 washer
688A-19	1	主轴 main shaft	688A-38	1	M6螺母 nut

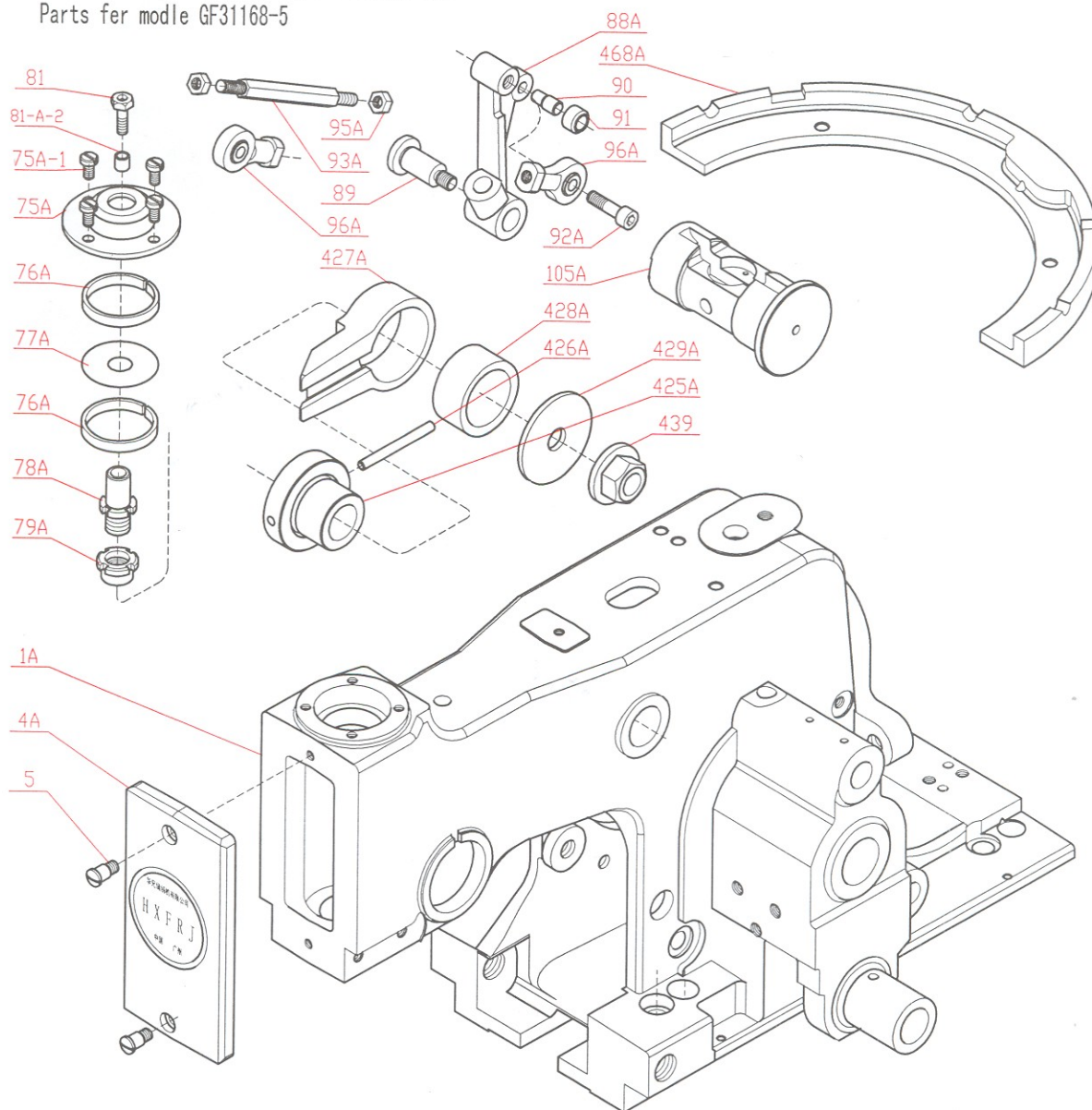


非交叉式三角带传动机构 (GF31168-5型用)
non crossing v-belt transmitter
(this device is for model GF31168-5)

件号 part No.	数量 Q'ty	名称 Description	件号 part No.	数量 Q'ty	名称 Description
801A	1	支承架 base	819A	1	主动齿轮支承 gear supporter
802A	4	螺母 nut	820A	1	垫圈 washer
803A	8	垫圈 washer	821A	2	轴承(6004) bearing
804A	1	齿轮座 gear room	822A	1	螺母 nut
805A	1	螺钉 screw	823A	1	张力调节棒 tension screw
806A	1	轴承(6902) bearing	824A	1	垫圈 washer
807A	3	螺钉 screw	825A	1	支承架轴 shaft
808A	1	从动齿轮 idle gear	826A	2	轴承(6204) bearing
809A	1	右皮带轮 belt wheel (R)	827A	4	支承架螺钉 screw
810A	1	轴承(6002) bearing	828A	1	左皮带轮 belt wheel (L)
811A	1	从动齿轮轴 idle shaft	829A	1	驱动轮皮带 belt
812A	1	螺母 nut	830A	2	键 key
813A	1	垫圈 washer	831A	1	弹簧挂钉 spring screw
814A	1	张紧轮轴 screw pin	832A	1	弹簧 spring
815A	1	张紧轮 tension wheel	833A	1	高速轮皮带 belt
816A	1	油杯 oil cup	834A	1	电机皮带 motor belt
817A	3	螺钉 screw	835A	1	胶垫圈 rubber washer
818A	1	主动齿轮 gear			

十二、GF31168-5专用零件: (零件如有改动不另作通知)

Parts for model GF31168-5



件号 Part No.	数量 Q'ty	名称 Description	件号 Part No.	数量 Q'ty	名称 Description
1A	1	车曲 machine frame	93A	1	摆针驱动杆连接杆 lever
4A	1	前盖 front cover	95A	2	摆针驱动杆连接螺母 nut
5	2	前盖螺钉 front cover screw	96A	2	摆针驱动杆接头 connector
75A	1	针杆帽 cover	97A	1	螺钉 screw
75A-1	4	针杆帽螺钉 screw	105A	1	摆针横轴 throw cross axle
76A	2	万向片压环 ring	425A	1	轴承内套 ring for bearing
77A	1	万向片 leaf spring	426A	1	轴承内套销钉 pin
78A	1	针杆套管 bush	427A	1	送布调节臂 adjusting ring
79A	1	针杆套管螺母 nut	428A	1	单向轴承 one-way bearing
81-A-2	1	针杆过线螺钉 screw for needle thread	429A	2	送布调节臂垫圈 washer
92A	1	摆针驱动杆连接螺钉 screw for 93	439	1	蜗杆轴螺母 nut for 436