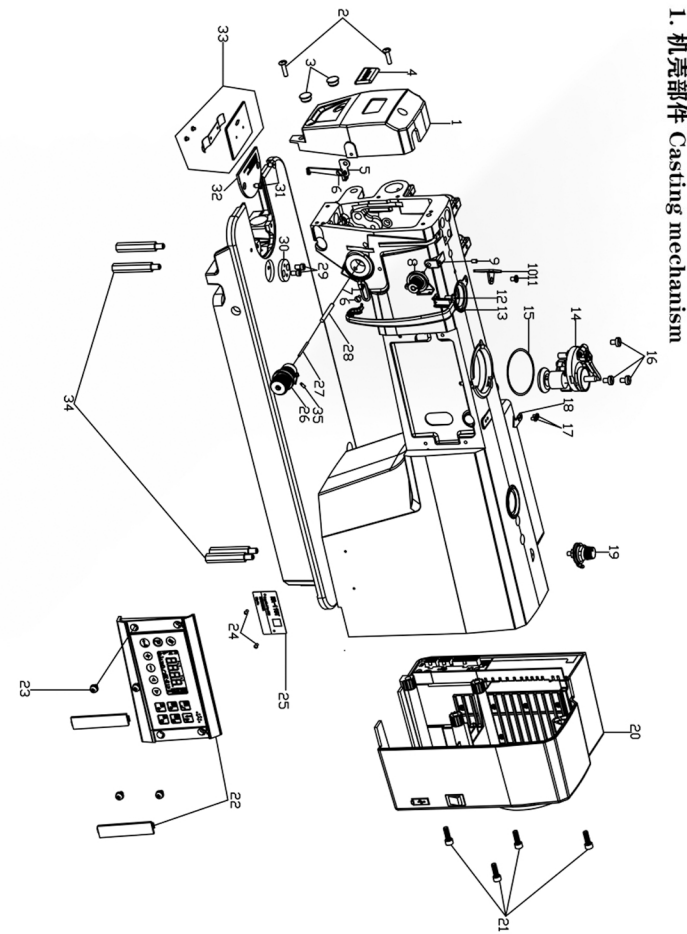


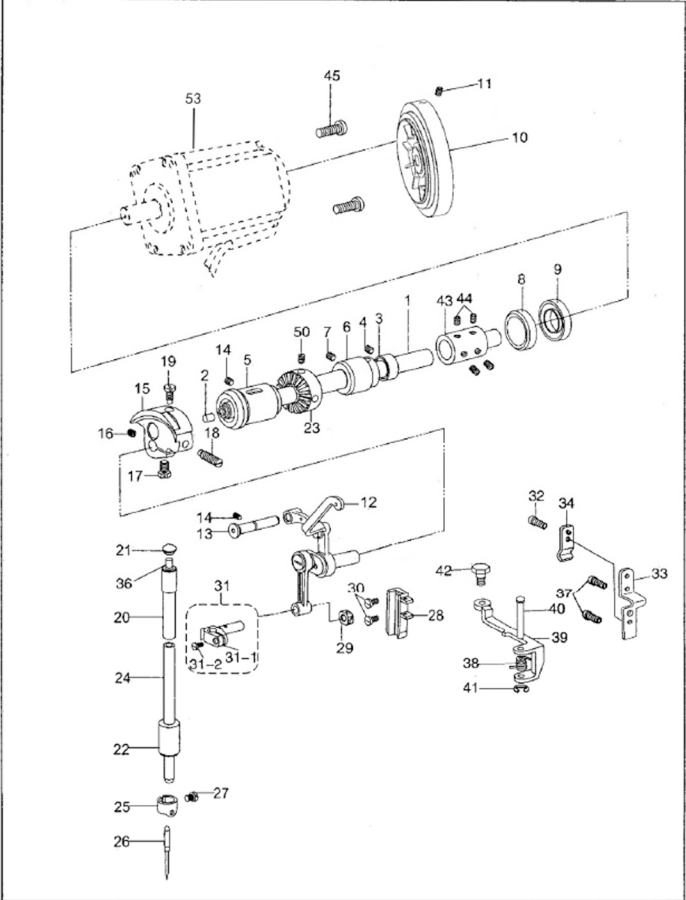
0313Ft-TD4
电脑上下复合送料步进同步机
(加长款)

零件图册
Parts Manual

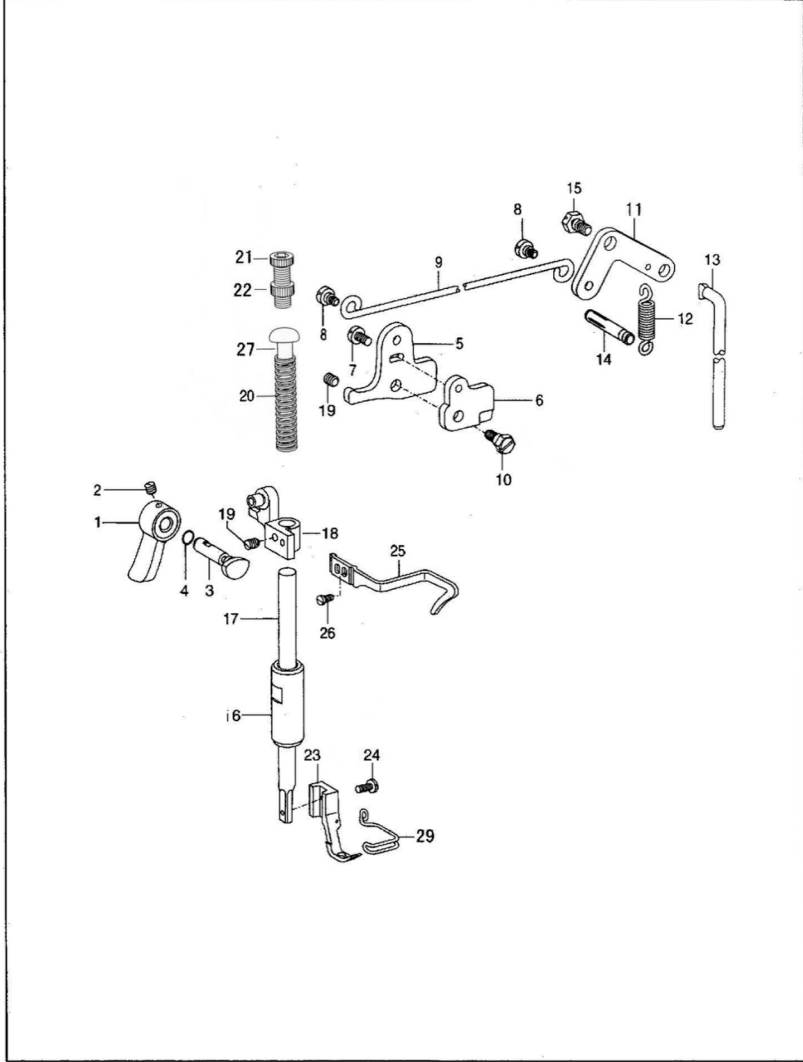


1. 机壳部件 Casting mechanism

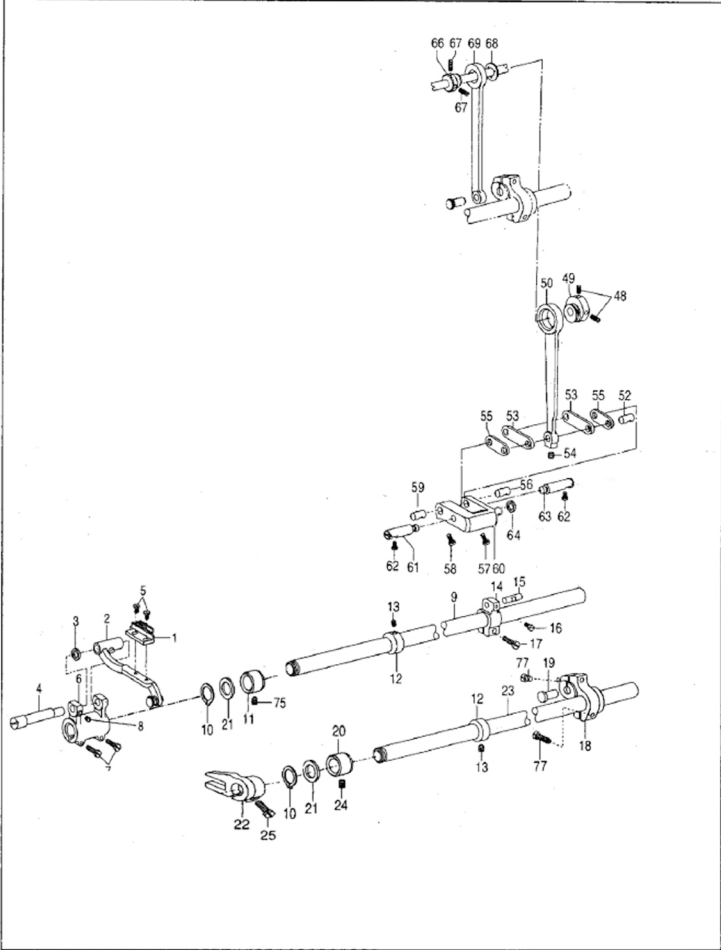
2. 针杆、挑线部件 Needle bar and thread take-up mechanism



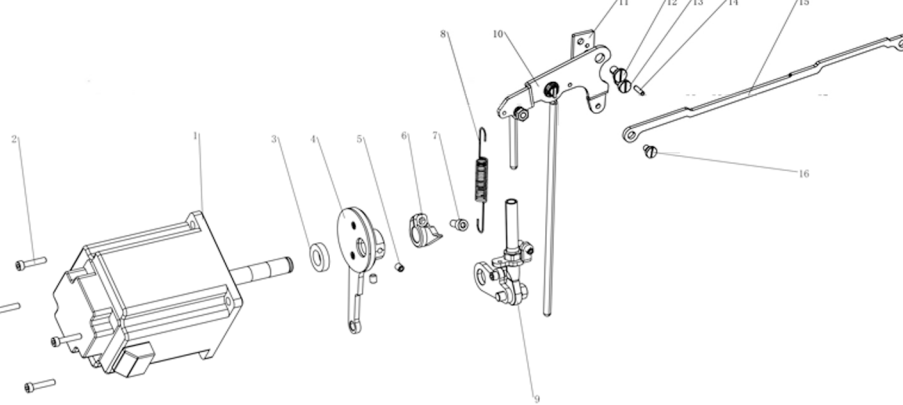
3. 压脚部件 Presser foot mechanism



4. 送料部件 Feed mechanism



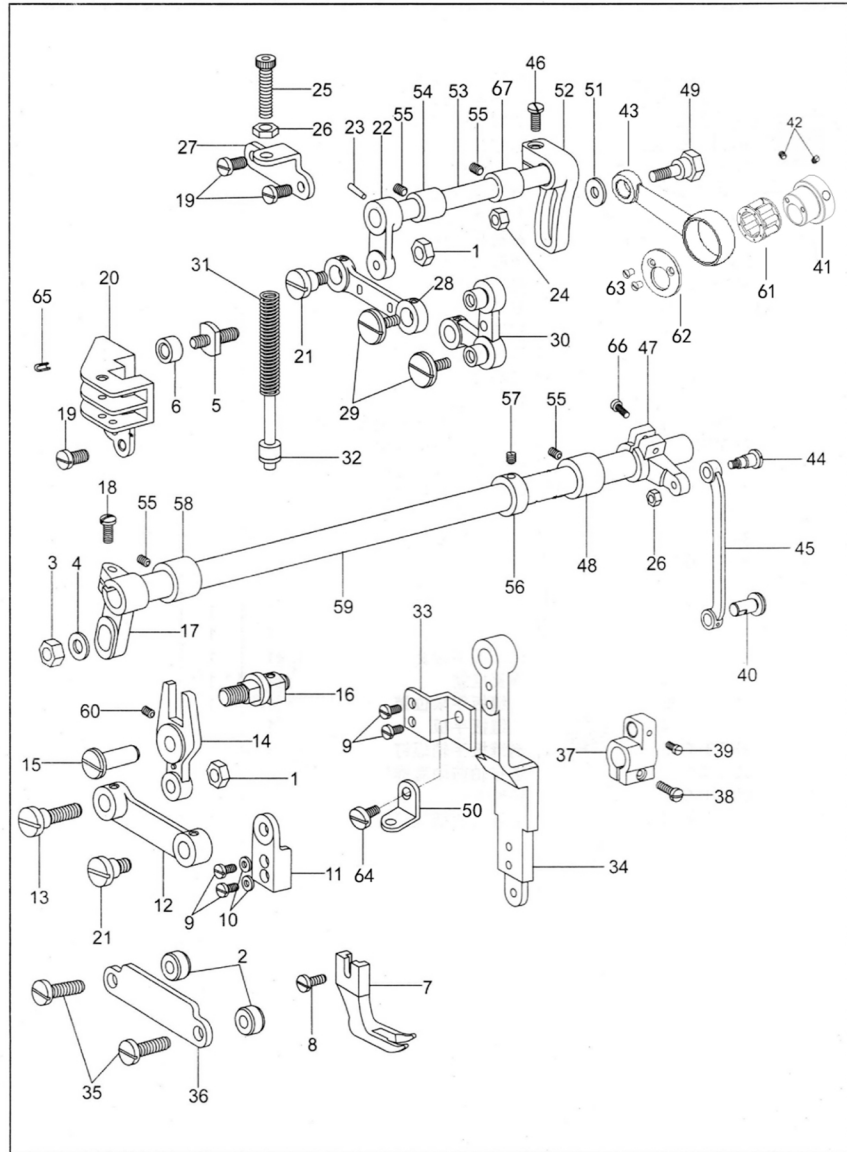
4.2、步进送料、抬压脚部件V4.0
Stepper feed、Presser foot lift mechanism V4.0



4.2、步进送料部件V4.0 Stepper feed mechanismV4.0

序号No	ERP编号	零件名称	NAME OF PARTS	数量
1	PF030301340104	步进电机	MOTOR	1
2	SCJ2010	电机罩组件固定螺钉M5*20	Screw	4
3	PFQ5F0709	油封	OIL SEAL	1
4	PF03031113	偏心轮组件（步进）	ECCENTRIC AC	1
5	PFQ5F0707	内六角紧定螺钉M5X6	Screw	2
6	PF03031107	抬压脚曲柄组件	Rock arm	1
7				
8	PF03031114	拉簧	Spring	1
9	PF03031117	下连杆组件	Lower linkage assembly	1
10	PF03031120	后杠杆组件	Rear lever assembly	1
11	PF03031119	连接板	Connecting plate	1
12	PF5550429	后杠杆轴位螺钉	HINGE SCREW 15/64-28	1
13	PF03030810	安装架连接螺钉	SCREW	1
14	PF03031118	弹性圆柱销	Spring hook	1
15	PF030311501	拉杆	Collecting rod	1
16	PF5550430	抬压脚拉杆螺钉	HINGE SCREW 3/16-32	1

5. 上送料部件 Upper feed mechanism



1. 机壳部件 Casting mechanism

序号No	ERP编号	零件名称	NAME OF PARTS	数量
1	PF03130101	面板	Face plate	1
2	PF03021111	面板螺钉	Screw	2
3	PF03030104	线勾	Thread guide	2
4	BZ3299	1111面板滴塑装饰牌	Plate	1
5	PFQ5129	左线钩	Thread guide	1
6	PF6150106	线勾螺钉	Screw	2
7	PF03030104	线勾	Thread guide	1
8	PF03030106	小夹线器组件(白66#)	Thread guide assy.	1
9	PF68425H33	小夹线器固定螺钉	Set screw	1
10	PF03021113	三眼线勾	Thread retainer	1
11	PF5550317	三眼线勾螺钉	Screw	1
12	PF6150211	挑线杆防护罩螺钉	Screw	1
13	PF03030111	挑线杆防护罩	Cover	1
14	PF03030127	绕线器组件	winding device assembly	1
15	PF0303013701	绕线器垫片油封	Oil seal	1
16	PD-0128	绕线器组件固定螺钉	Screw	3
17	PF555068	切刀螺钉	Screw	2
18	PF90000132	切刀	cutting knife	1
19	PFQ514101	重机绕线夹线器（白色）	Thread guide assy.	1
20	PF0313013401	0313Fe电控组件	electric cabinet	1
21	SCJ2010	电机罩组件固定螺钉M5*20	Screw	4
22		组件进	Operation Panel	1
23	I4060018	MAX8（三合一）	Screw	4
24	SCJ6071	型号牌螺钉	POLE	2
25	BZ3301	型号牌	Model Plate	1
26	PF03030109	夹线器组件（白66#）	Thread tension bracket assy	1
27	PF6150131	松线钉	Thread Release Pin	1
28	PF6150712	松线钉	Thread Release Supporting Pin	1
29	PF5550117	夹具座螺钉	Screw	2
30	PF03030118	夹具座	Ruler plate	1
31	PF5550637	针板螺钉GS044	Screw	2
32	PF0302141	针板	Needle plate	1
33	PFPC0142	推板组件	Slide plate assy.	1
34	PF6150142	底板撑杆	Bed leg	4
35	PF555022	上轮螺钉GS03	Screw	1

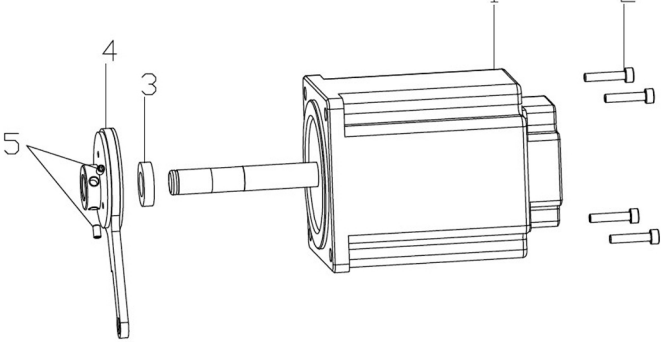
2. 针杆、挑线部件 Needle bar and thread take-up mechanism

序号No	ERP编号	零件名称	NAME OF PARTS	数量
1	PF03130201	上轴	Upper shaft	1
2	PF030222	上轴橡皮塞	Robber cap	1
3	PF6150512	上轴紧圈	Collar	1
4	PF615034	上轴紧固螺钉	Screw	2
5	PF03030205	上轴前轴套	Bush, L	1
6	PF6150307	上轴中轴套	Bush, M	1
7	PF555029	上轴中轴套螺钉	Set screw	1
8	PF0303020801	上轴后轴承	Bush, R	1
9	PF03030209	上轴后油封组件	Oil seal	1
10	PF03030210	主动轮	Hand wheel	1
11	PF68425E39	主动轮螺钉	Screw	2
12		挑线杆组件	Thread take-up lever set	1
31		针杆接头组件	Needle bar clamp assy.	1
31-1	PF03030212	针杆接头	Needle bar clamp	1
31-2		针杆接头螺钉	Set screw	1
13	PF0302226	挑线连杆铰链轴	Support shaft	1
14	PF555022	挑线连杆铰链轴螺钉	Set screw	2
15	PF0302227	针杆曲柄	Thread take-up crank	1
16	PF5550625	挑线曲柄螺钉	Screw	1
17	PF0302228	挑线曲柄定位螺钉	Screw	1
18	PF5550218	针杆曲柄螺钉	Screw	1
19	PF6150215	针杆曲柄定位螺钉	Screw	1
20	PF03030220	针杆上轴套	Bush, U	1
21	PF6150135	针杆上轴套橡皮塞（8.8）	Rubber cap	1
22	PF0302235	针杆下轴套	Bush, D	1
23	PF03030223	绕线器摩擦轮	Screw	1
24	PF0302237	针杆	Needle bar	1
25	PF0302238	针杆过线环	Thread guide	1
26	PFDP1723	机针	Needle	1
27	PF6150225	夹针螺钉	Set screw	1
30	PF6150227	滑块导轨螺钉	Screw	2
32	PF0303233	软线固定板螺钉	Screw	1
33	PF03032J001	松线钢绳固定架	Wire holder, U	1
34	PF0303234	松线压板	Wire holder, D	1
35		垫片	Washer	1
36	PF6150218	针杆上轴套毛毡	Felt	1
37	PF03030237	松线钢绳固定架螺钉	Screw	2
28		滑块槽	Guide	1
29		针杆接头滑块	Slide block	1
38		铰链弹簧	Spring	1
39	PF03032J002	松线铰链	Tension release plate	1
40		铰链销	Tension release pin	1
41		开口挡圈	Retaining ring	1
42	PF03030242	铰链螺钉	Screw	1
43	PF03030243	联轴器	Connect block	1
44	BF310164547	联轴器螺钉	Screw	4
45	SCJ2010	电机安装螺钉	Screw GB/T6	4
48		地线组件	Ground wire assy.	1
49		地线螺钉	Screw	1
50	PF68425H33	摩擦轮螺钉	Screw	2
53		组件进	MOTOR	1

3. 压脚部件 Presser foot mechanism

序号No	ERP编号	零件名称	NAME OF PARTS	数量
1	PF030251	压脚扳手	Presser bar lifter	1
2	PF6150708	压脚扳手螺钉	Screw	1
3	PF030253	压紧杆提升凸轮	Lifter crank	1
4	PF5550416	压紧杆提升凸轮油封	O-ring	1
5	PF6150706	膝控提升杠杆（左）	Lifter lever	1
6	PF03030306	松线凸轮	Guide plate	1
7	PF6150708	膝控提升杠杆（左）螺钉	Screw	1
8	PF6150709	铰链螺钉	Screw	2
9	PF03130710	膝控提升杠杆	Collecting rod	1
10	PF6150711	松线凸轮螺钉	Screw	1
11	PF6150713	膝控提升杠杆（右）	Lever	1
12	PF6150714	膝控提升杠杆（右）弹簧	Spring, extension	1
13	PF0302515	膝控提升连杆	Knee lifter bar	1
14	PF6150716	弹簧销	Spring hook	1
15	PF61507141	膝控提升杠杆（右）螺钉	Shoulder screw	1
16	PF6150717	压紧杆轴套	Bush	1
17	PF03030317	压紧杆	Presserbar	1
18	PF0302520	压紧杆导架	Guide bracket	1
19	PF5550330	压紧杆导架螺钉	Screw	1
20	PF03030320	压紧杆弹簧	Spring, compression	1
21	PF03030321	调压螺钉	Adjusting screw, presser	1
22	PF03030322	调压螺钉锁紧螺母	Adjusting nut, presser	1
23	PF03030323	小压脚	Presser foot, inside	1
24	PF6150725	小压脚螺钉	Screw	1
25	PF03030325	大线勾	Thread guide	1
26	PF555049	大线勾螺钉	Screw	1
27	PF03030327	辅助调压弹簧	Adjusting spring	1
28	PF03030328	辅助调压螺钉	Adjusting screw	1
29	PF03030329	防护勾	Safety finger	1

4.1 步进送料分组件 Stepper feed mechanism



4.1、步进送料部件 Stepper feed mechanism

序号No	ERP编号	零件名称	NAME OF PARTS	数量
1	组件进	步进电机	MOTOR	1
2	SCJ2010	电机罩组件固定螺钉M5*20	Screw	4
3	PFQ5F0709	油封	OIL SEAL	2
4	PF03031113	偏心轮组件（步进）	ECCENTRIC AC	1
5	PFQ5F0707	内六角紧定螺钉M5M6	Screw	1

This diagram illustrates the exploded view of a hook mechanism, showing the following components and their assembly relationships:

- Main Assembly:**
 - 1:** The central vertical shaft.
 - 2:** A small pin or spacer at the top.
 - 3:** Multiple O-rings or seals located at various points along the shaft.
 - 4:** A top cap or nut.
 - 5:** A small circular component, possibly a washer or seal.
 - 6:** A component below the main seal area.
 - 7:** A sleeve or collar.
 - 8:** A component below the sleeve.
 - 9:** A small pin or spacer.
- Horizontal Assembly (Left):**
 - 10, 11:** A small circular component with a central pin.
 - 12:** A circular flange or seal.
 - 13:** A long horizontal shaft.
 - 14:** A small pin or spacer.
 - 15:** A small circular component.
 - 16:** A sleeve or collar.
 - 17:** A small pin or spacer.
 - 18:** A small circular component.
 - 19:** A component below the sleeve.
 - 20:** A small pin or spacer.
 - 21:** A component below the pin.
 - 22:** A small pin or spacer.
 - 23:** A sleeve or collar.
 - 24:** A component below the sleeve.
 - 25:** A small pin or spacer.
 - 26:** A small circular component.
 - 27:** A bracket or arm.
 - 28:** A small pin or spacer.
 - 29:** A component below the bracket.
 - 30:** A small pin or spacer.
 - 31:** A component below the pin.
 - 32:** A small pin or spacer.
 - 33:** A small circular component.

[illegible]

5.剪线部件 Thread trimming mechanism

10.附件 Accessories				
序号No	ERP编号	零件名称	NAME OF PARTS	数量
1	PF5550102301	零件袋	Accessory bag	1
2	PF55501018	一字开刀 (小)	Screw driver, S	1
3	PF55501017	一字开刀 (中)	Screw driver, M	1
4	PF55501016	一字开刀 (大)	Screw driver, L	1
5	PFDTDP1723	机针	Needle	4
6	PF0302319	梭芯	Bobbin	3
13	PF03031025	2.5mm内六角扳手	V-belt	1
14	PF61501105	油壶	Oil pot	1
15	PF5550101	机壳铰链	Head hinge	2
16	PF5550102	机壳铰链套	Cushion, head hinge	2
17	PF555099	机头防震垫块 (大)	Head cushion, L	2
18	PF555098	机头防震垫块 (小)	Head cushion, S	2
19	PF55501022	油箱	Oil tank	1
20	PF55501127	线架组件	Thread stand assy.	1
21	PF55501021	机头撑杆	Head rest	1
22	PF61501109	扳手	Wrench	1
23	PF03031023	2mm内六角扳手	Wrench, 2mm	1
24	PF03031024	3mm内六角扳手	Wrench, 3mm	1
25	PFPC1025	油盘	Oil Pan	1
26	PFPC1026	油盘垫	Oil Pan Gasket	2
27	PF555095	油盘放油螺钉	Screw	1
28	PFPC1028	排油螺钉O形圈	O-ring	1
29	PFPC1029	膝控限位架		1
30		螺钉	Screw	2
31		螺母	Nut	2
32		螺钉	Screw	1
33	PFPC1033	膝控复位弹簧	Control Body Spring	1
34	PFPC1034	膝控铰链轴	Knee Lifting Shaft	1
34-1	PFPC103401	膝控辅助铰链轴	Control Body Shaft	1
34-2	PFPC103402	膝控辅助连杆	Knee Joint Lever	1
34-3	PFPC103405	卡簧	E-ring	3
36	PFPC1036	膝控弯杆接头	Knee Bend Joint	2
37		螺钉	Screw	4
38	PFPC1038	膝控弯杆	Knee Support Rubber Ass'y	1
38-1	PFPC103801	操纵杆软垫	Joystick Pad	1
38-2	PFPC103802	操纵杆垫	Joystick Pad	1
38-3	PFPC103803	操纵杆板	Joystick Board	1
38-4	PFPC103804	接头螺钉	Connector Screw	1
38-5	PFPC103805	操纵杆接头	Joystick Joint	1
39	PFPC1039	磁铁	Magnetic	1
40	组件进	脚踏开关	Pedal Switch	1
41	PF90001318	脚踏拉杆	Pedal Pull	1
43	SCJ2073	十字自攻螺钉	Screw	3
44	SCJ6018	鞋钉	NAIL	4