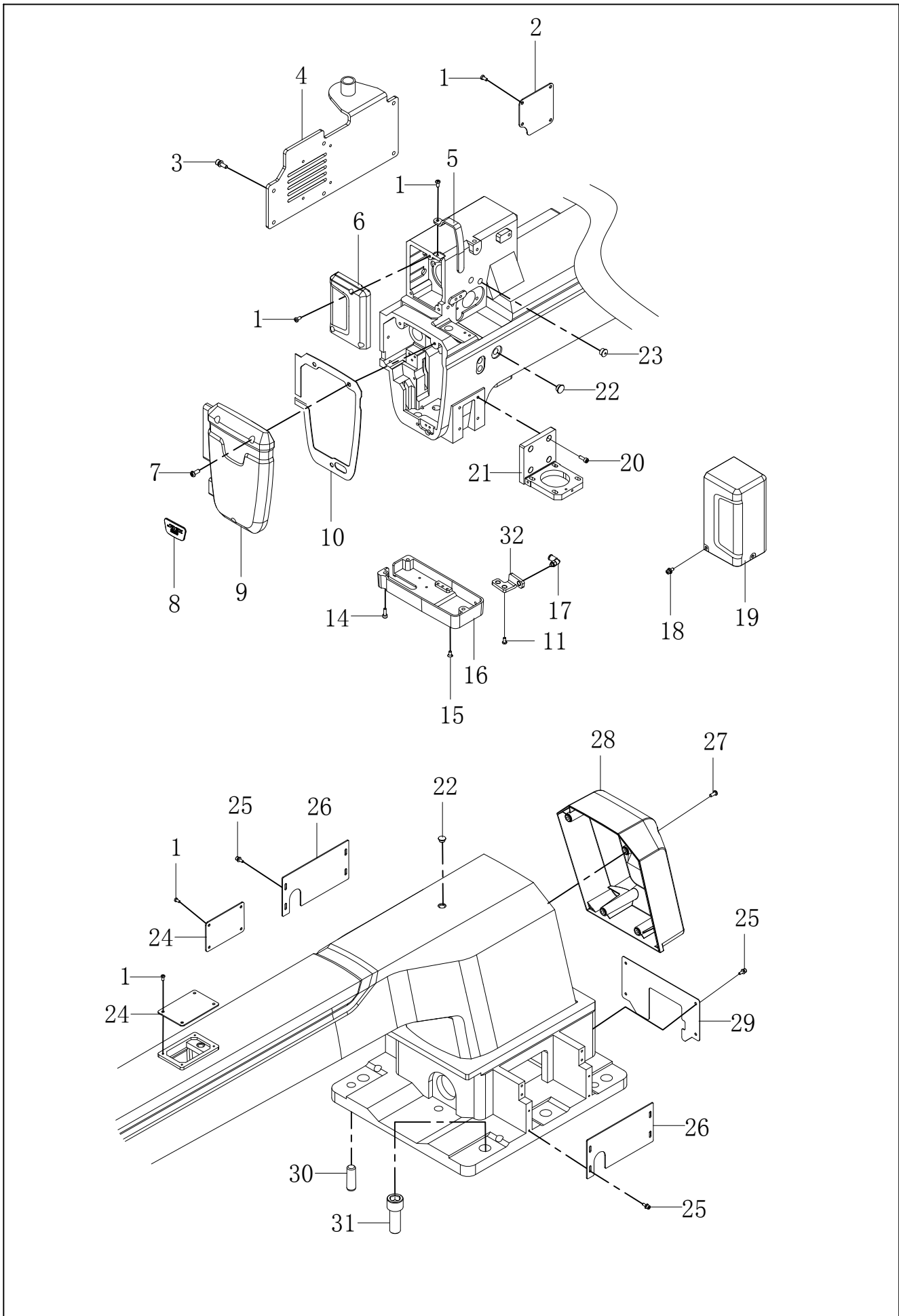


# 目录/CONTENTS

A、	机体部分 / Machine body	1
B、	上轴装置 / Upper shaft mechanism	3
C、	针杆装置 / Needle bar mechanism	5
D2、	电子中压脚装置/ Work clamp lifter mechanism	7
E、	穿线装置/ Threading mechanism	9
F、	扫线装置/ Thread trimmer mechanism	11
G、	松线装置/ Tension release mechanism	13
H、	大压脚装置 / External work clamp mechanism	15
I、	断线感应装置/Tread breakage dectetor mechanism	17
J、	下轴装置 / Lower shaft mechanism	19
K、	切线装置 / Thread trimmer mechanism	21
K、	切线装置 / Thread trimmer mechanism	23
L、	下旋转装置 /Lower shaft mechanism	25
L、	下旋转装置 /Lower shaft mechanism	27
M、	旋梭供油装置 / Fusier oil supply mechanism	29
N1、	X送料装置(S)/ X Feed mechanism (S)	31
N1、	X送料装置(S)/ X Feed mechanism (S)	33
N2、	X送料装置 (T) / X Feed mechanism (T)	35
N3、	Y送料装置/ Y Feed mechanism	37
N4、	压框夹具装置(S)/Clamping fixture(S)	39
N5、	夹扣夹具装置(S)/Clamping fixture (S)	41
N6、	压紧夹具装置(T)/ Clamping fixture mechanism (T)	43
N7、	夹扣夹具装置 (T) / Clamping fixture mechanism (T)	45
N8、	X同步带装置(T)/ X Feed mechanism (T)	47
01、	主台面部分/ Machine body(Table structure)	49
02、	前台面部分 / Front table mechanism	51
03、	辅助台面部分 / Auxiliary table mechanism	53
P1、	机架部件/Table mechanism	55
P2、	电控柜装置/ Electric control box mechanism	57
Q、	控制箱装置(X) / Control box mechanism (X)	59
R、	操作界面装置/ Operation interface mechanism	61
S、	电器部品装置/ Power supply equitment mechanism	63
T、	空压装置/ Air pressure mechanism	65
U、	卷线装置/ Bobbin winder mechanism	67
X1、	底线检测装置/Bottom line detection mechanism	69
X2、	激光切割装置/Laser Cutting Device	71
X6、	激光控制部分 / Laser cutting control part	75
X3、	激光切割吸风装置/LASER CUTTING SUCTION DEVICE	77
X4、	点笔装置/Pint Pen Mechanism	81
X5、	物联网装置/The Internet of Things	83
Z、	附件/Accessories	85

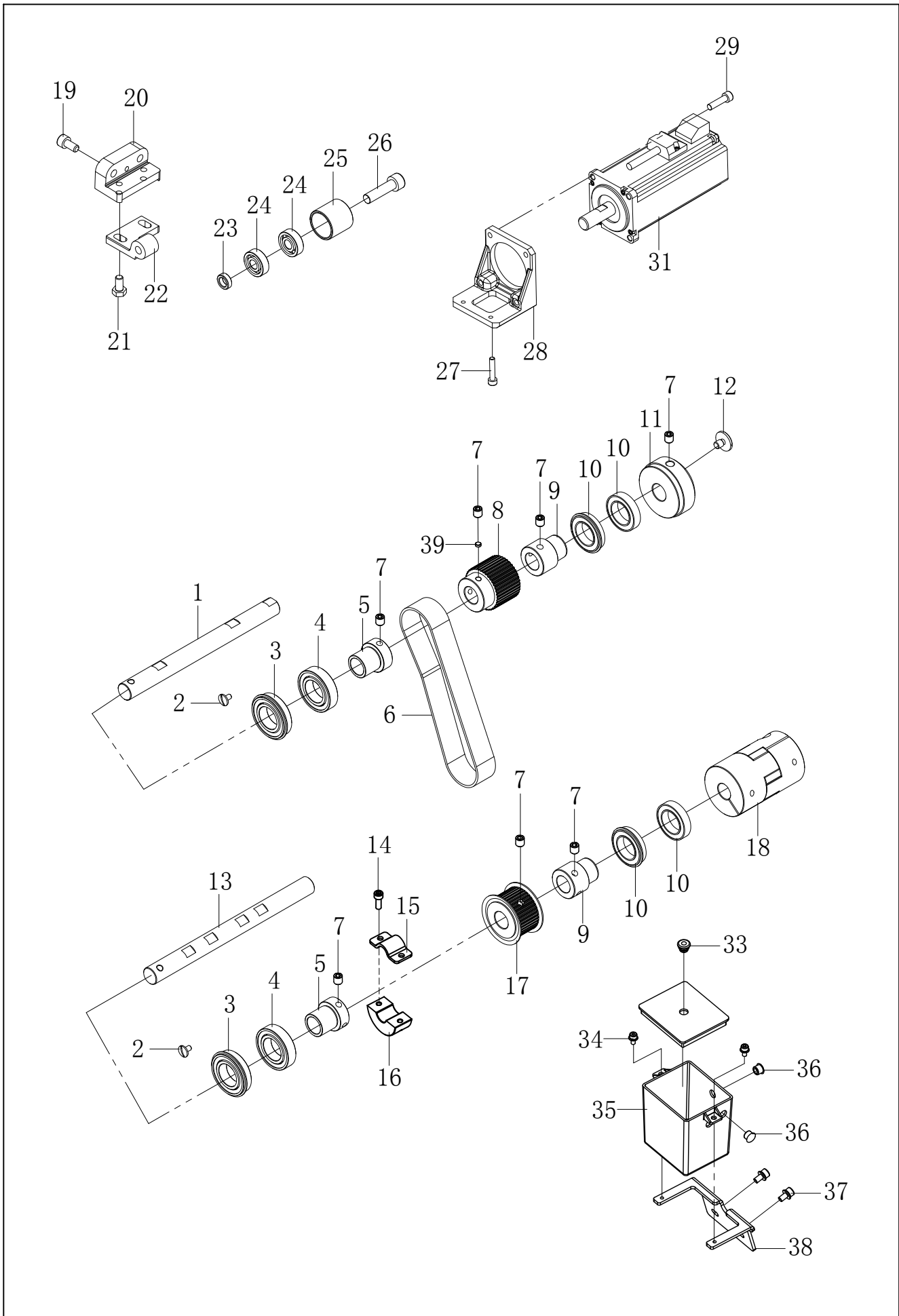
# A1、机体部分 / Machine body



## A、机体部分 / Machine body

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	S04078	螺钉M4×8	Screw M4 x 8	16	
2	93000811	挑线杆轴侧盖板	Side cover plate of take-up rod shaft	1	141912242
3	417S30306	螺钉M5×15	Screw M5 * 12	6	
4	93000812	侧窗盖板	Side window cover	1	141912243
5	141912078	挑线杆保护罩	Wire rod protection cover	1	
6	93000813	挑线杆罩壳	Wire rod housing	1	141901100
7	S04029	螺钉M5×12	Screw M5 * 12	3	
8	14437001	面板商标牌	Panel trademark	1	
9	93000814	机头前盖板	Head front cover plate	1	141901103
10	141922012	机头面板垫片	Head panel gasket	1	
11	417S15008	螺钉M4×8	M4x 8	2	
14	S05133	螺钉M4×12	Screw M4 x 12	3	
15	S02918	螺钉M4×8	Screw M4 x 8	3	
16	93000959	针杆同步带罩壳	Needle rod synchronous belt housing	1	141901108
17	42536004	气管接头(直角)	Air pipe joint (right Angle)	1	
18	421S11011	螺钉M4×6	Screw M4 x 10	3	
19	141944002	针杆电机罩壳	Needle bar motor cover	1	
20	S05123	螺钉M5×12	Screw M5 * 12	4	
21	141901096	针杆旋转电机安装座B	Needle bar rotary motor mounting seat	1	
22	41722003	橡皮塞10.5	Rubber plug 10.5	7	
23	40622014	油封	Oil seal	1	
24	93000544	机身铸造孔盖板	Fuselage side cover	2	141912208
25	421S13012	螺钉M4×10	Screw M4 x 10	12	
26	93000478	机身侧盖板	Fuselage side cover	2	141912194
27	S04029	螺钉M5×12	Screw M5 * 12	4	
28	141944004	后罩	Back cover	1	
29	93000444	机头底座后盖板	Rear cover plate of machine base	1	142012083
30	P02012	销子	pin	2	
31	S05275	螺钉M20×55	Screw M20 x 55	6	
32	141912182	气管接头安装板	Air pipe connector mounting plate	1	
33	141937003	蓝条	Blue bar	1	93000805

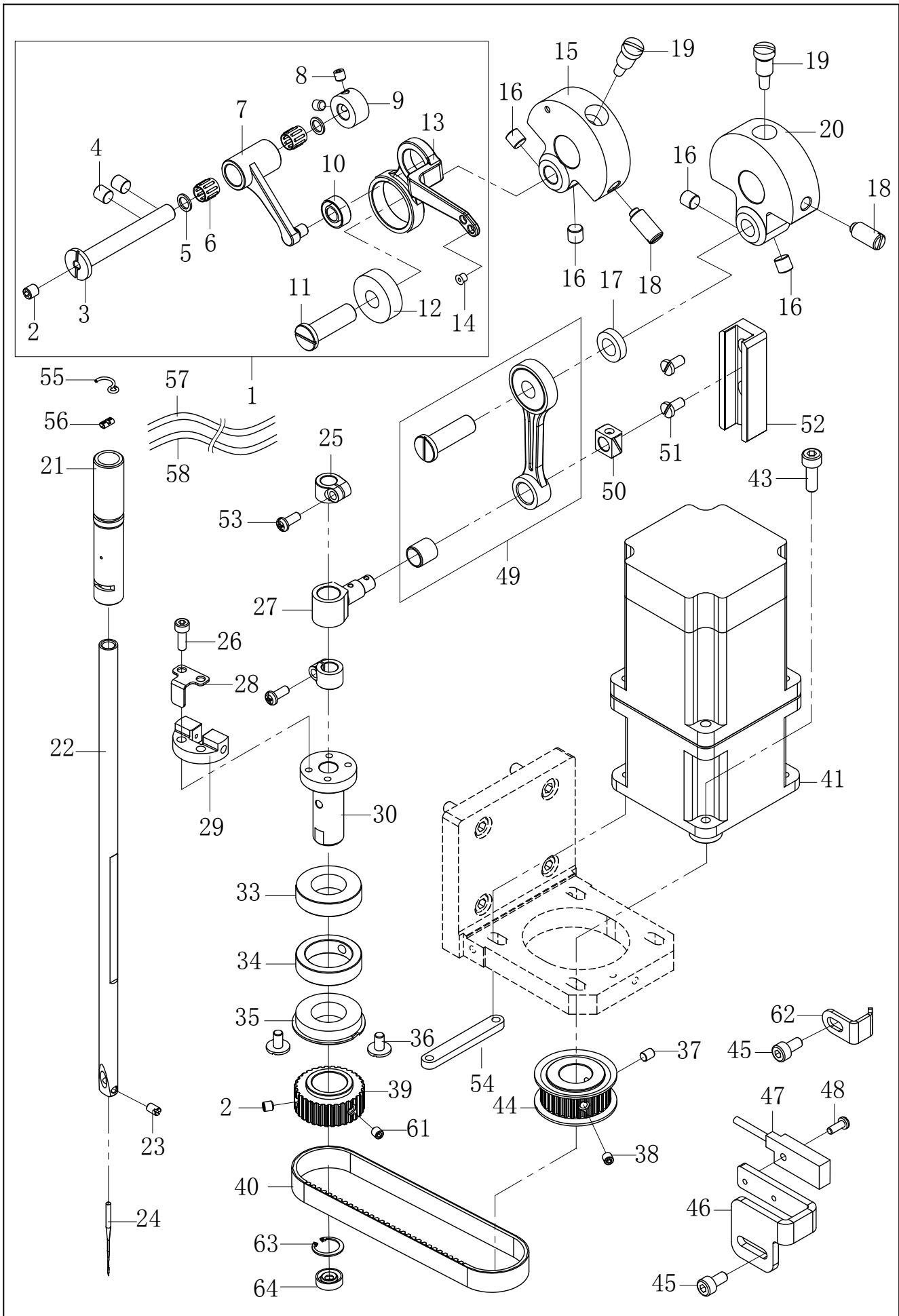
# B、上轴装置 / Upper shaft mechanism



## B、上轴装置 / Upper shaft mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	141902026	挑线杆轴	Thread take-up shaft	1	
2	418S30218	螺钉M4×4	Screw M4 x 7	4	
3	B10014	深沟球轴承6904-DDUNR	Deep groove ball bearing 6904-DDUNR	2	
4	B06005	深沟球轴承6904-DDU	Deep groove ball bearing 6904-DDU	2	
5	41803211	轴承套	Bearing sleeve	2	
6	141935008	上轴同步带	Upper axle synchronous belt	1	
7	S10019	螺钉M6×6	Screw M6 x 6	14	
8	141935009	针杆同步轮	Needle bar synchronizer wheel	1	
9	141903019	轴承套	Bearing sleeve	2	
10	B01024	深沟球轴承6804Z	Deep groove ball bearing 6804Z	4	
11	141901101	手轮	The handwheel	1	
12	403S11003	开槽大圆柱头螺钉	Slotted large cylindrical head screw	1	
13	141902027	针杆轴	Needle bar shaft	1	
14	S05123	螺钉M5×12	Screw M5x12	2	
15	141904011	机头上节偏心轮夹板	Upper Eccentric wheel plate	1	
16	141904010	机头上节偏心轮	Upper Eccentric wheel	1	
17	14193500700	挑线杆轴同步轮组件	Reel shaft synchronous wheel assembly	1	
18	141903014	主轴电机联轴器	Spindle motor coupling	1	
19	S05040	螺钉M6×16	Screw M6 x 16	2	
20	141901102	张紧轮调节座	Tensioner adjusting seat	1	
21	L02032	螺钉M6×12	Screw M6 x 12	2	
22	141901104	张紧轮座	The tension wheel	1	
23	42528003	轴承垫圈	Bearing washer	1	
24	B03005	轴承	Bearing	2	
25	141903018	张紧轮	Tension wheel	1	
26	421S13057	内六角圆柱头螺钉	Hexagon socket cylindrical head screw	1	
27	S05035	螺钉M5×25	Screw M5x 25	4	
28	141901105	上轴电机安装座	Upper shaft motor mounting base	1	
29	S05123	螺钉M5×12	Screw M5x12	4	
31	141933013	下轴电机	The shaft motor	1	
33	40322027	橡皮塞	Rubber plug	1	
34	421S13003	螺钉M4×8	Screw M4 x 8	2	
35	14191101600	油壶	Oil can	1	
36	10122005	橡皮塞	Rubber plug	3	
37	417S30036	螺钉M5×12	Screw M5x12	2	
38	141912203	油壶安装支架	Oil pot mounting bracket	1	
39	141902029	同步轮顶柱	Synchronous wheel top column	2	

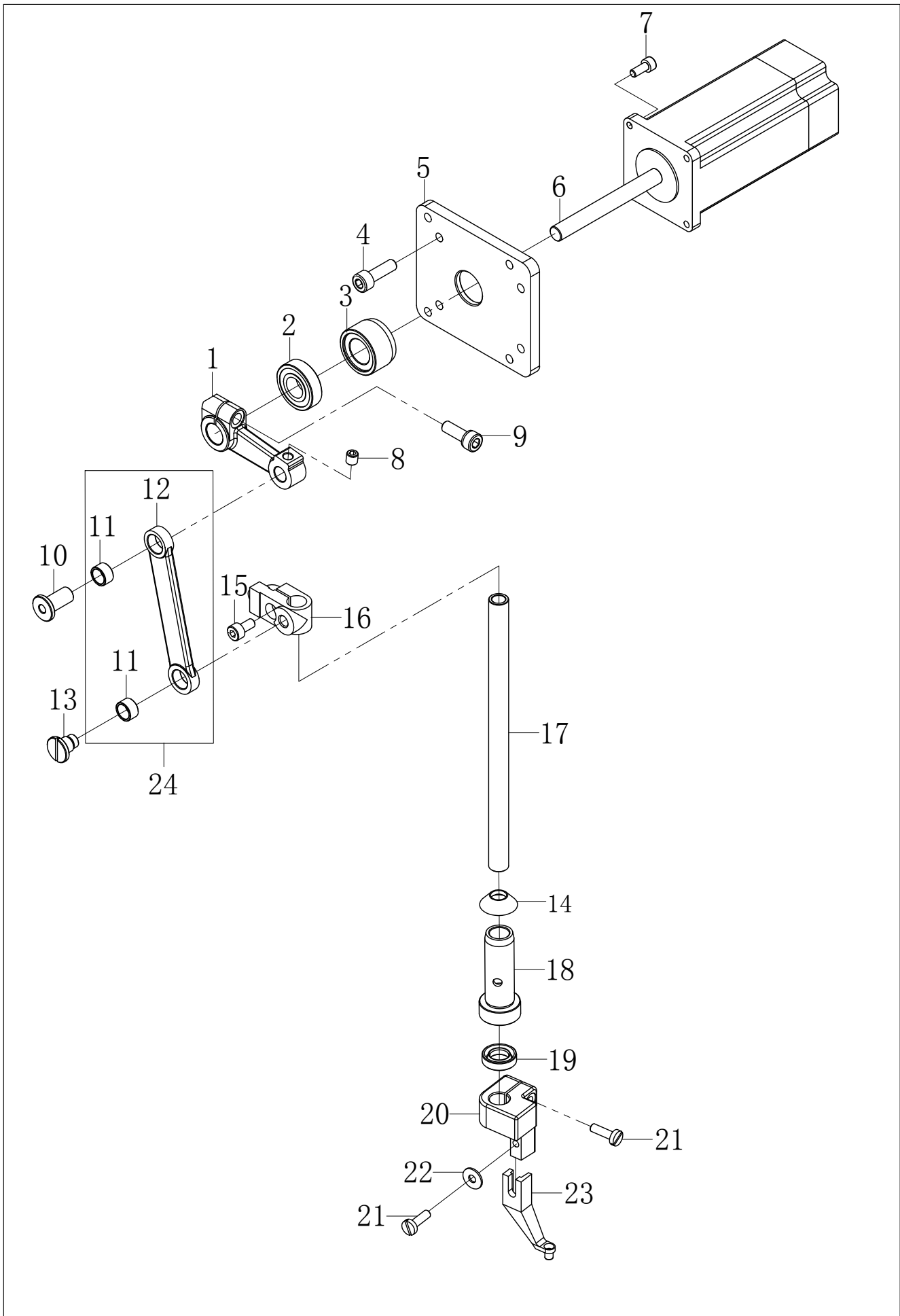
# C、针杆装置 / Needle bar mechanism



### C、针杆装置 / Needle bar mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	14193800300	挑线杆连杆组件	Take-up lever assembly	1	
15	141904004	挑线曲柄	Take up crank	1	
16	409s14003	针杆曲柄螺钉	Needle bar crank screw	4	
17	141912201	针杆曲柄垫圈	Needle bar crank washer	1	
18	101S15004	针杆曲柄固定螺钉	Needle bar crank setting screw	2	
19	135S11002	针杆曲柄定位螺钉	Needle bar crank setting screw	2	
20	141904005	针杆曲柄	Needle bar crank	1	
21	41703005	针杆上套	Needle bar position	1	
22	141902028	旋转针杆	Rotate needle bar	1	
23	201S15001	夹线螺钉紧固螺钉	Clamp screw fastening screw	1	
24	42217504	机针	needle	1	
25	141901076	针杆紧圈E	Needle bar tightening ring E	2	
26	S05133	螺钉M4×12	Screw M4 x 12	2	
27	141904013	针杆接头C	Pin connector assembly	1	
28	141912167	针杆零位感应片	Needle bar zero sensor	1	
29	141909013	旋转针杆夹块B	Rotate pin clamp	1	
30	141903029	针杆下套B	Needle bar under cover B	1	
33	B06043	61902-2Z	61902-2z	1	
34	141908005	针杆旋转轴承挡圈	Needle bar rotate bearing retainer	1	
35	B10051	6902LLUNR	6902LLUNR	1	
36	418S30218	一字球面螺钉M4×7	Spherical screw M4x7	2	
37	S10007	内六角凹端紧定螺钉M4×4	Hexagon socket set screw M4x4	2	
38	S09012	内六角紧定螺钉M4×5	Inner hexangular set screw M4x5	1	
39	141935027	针杆同步轮C	Needle bar synchronizer wheel	1	
40	141935022	针杆旋转同步带	Needle bar rotate synchronous belt	1	
41	42230534	针杆旋转电机	Needle bar rotating motor	1	
43	S05218	螺钉M5×22	Screw M5 * 22	4	
44	14193502000	旋转电机同步轮组件B	Rotating motor synchronous wheel assembly	1	
45	421S13035	螺钉M4×8	Screw M4 x 8	3	
46	141912237	传感器安装板	Sensor mounting plate	1	
47	41730851	传感器	Sensor	1	
48	S04076	螺钉M3×8	Screw M3 x 8	1	
49	14193800400	针杆连杆组件	Pin rod connecting rod assembly	1	
50	41709001	滑块	slider	1	
51	207S11008	螺钉M4×12	Screw M4 x 12	2	
52	142009004	针杆滑块导向	Needle bar slider guide	1	
53	1419NS30001	针杆螺钉	Slot screws M4 x 10	2	
54	141912202	板螺母	pate nut	2	
55	41712069	油线挂钩	Oil line hook	1	
56	41712070	油线支架	Oil line support	1	
57	12923018	油线	Oil thread	1.9	
58	12921002	油管	Oil tube	1.7	
61	S10006	螺钉 M5×6	Screw M5 x 6	1	
62	141912241	针杆传感器保护板	Needle bar sensor protection plate	1	
63	40322031	油封	oil seal	1	
64	H01118	孔用弹性挡圈	Circlip for hole	1	

## D2、电子中压脚装置/ Work clamp lifter mechanism

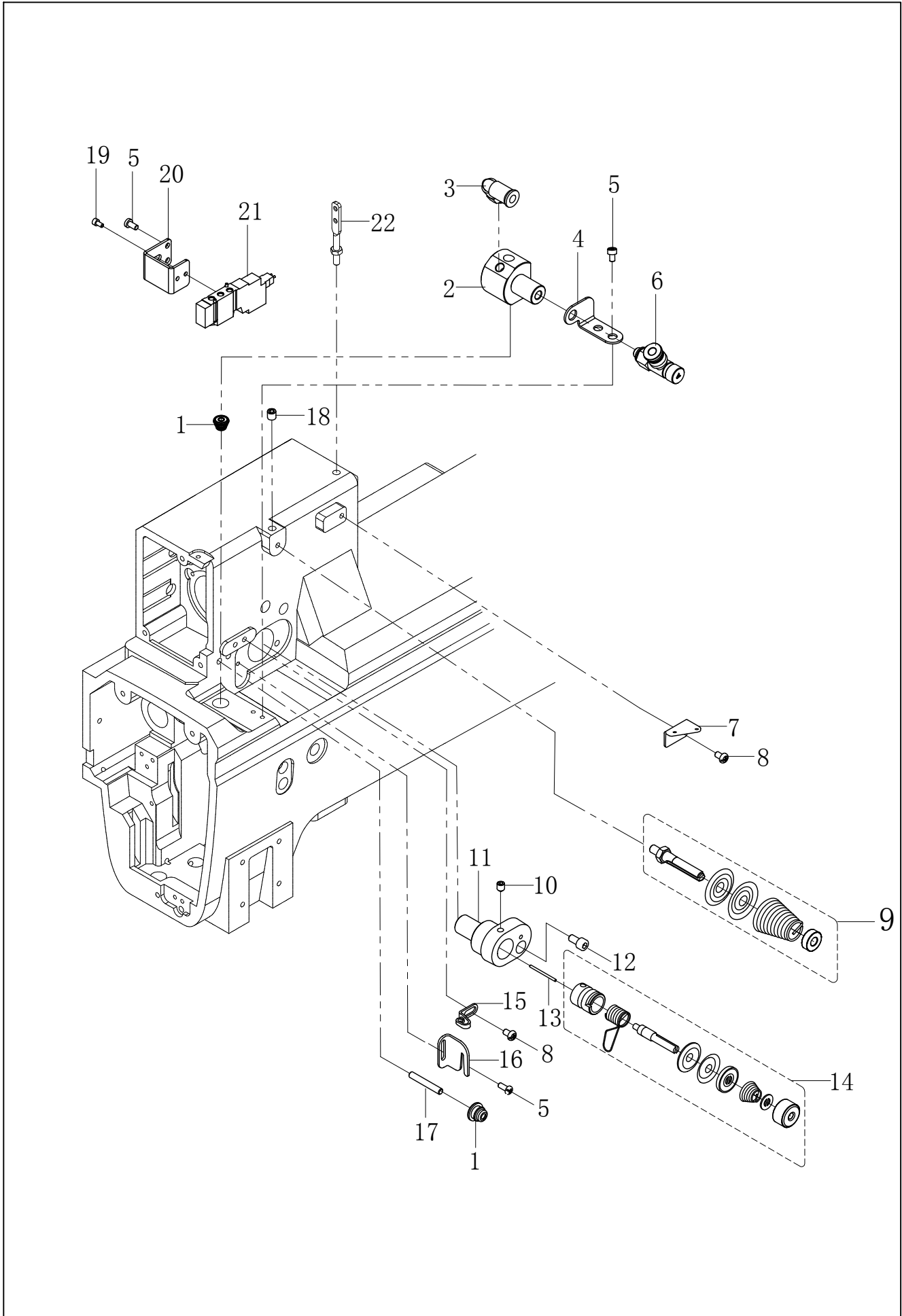




## D2、电子中压脚装置/ Work clamp lifter mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	141904007	中压脚摇杆	Middle presser foot rocker	1	
2	B04036	轴承61900	Bearing 61900	1	
3	142003011	轴承挡套	Bearing block	1	
4	S05124	螺钉M5×16	Screw the M5 * 16	4	
5	141912152	中压脚电机安装板	Middle presser foot motor mounting plate	1	
6	142033004	中压脚步进电机	Middle presser foot feed motor	1	
7	S05123	螺钉M5×12	Screw M5 * 12	4	
8	S09019	锁紧螺钉M5×5	Locking screw M5x5	1	
9	S05004	螺钉M5×14	Screw M5 * 14	1	
10	142026002	连杆销	The connecting rod pin	1	
11	142003006	工程塑料轴套GLW-0709-05	Engineering plastic shaft sleeve GLW-0709-05	2	
12	142005001	中压脚连杆	Middle presser foot link	1	
13	1420NS20001	轴位螺钉M6×0.75	Axial screw M6x0.75	1	
14	41822101	橡胶套	Rubber sleeve	1	
15	421S13035	螺钉M4×8	Screw the M4 x 8	1	
16	41709020	压紧杆接头	Tighten rod joint	1	
17	141902011	中压脚杆A	Middle presser foot bar A	1	
18	41803031	中压杆轴套	Middle pressure shaft sleeve	1	
19	41822612	油封	Oil seal	1	
20	141901019	中压脚转接块	Intermediate presser foot transfer block	1	
21	417S15011	螺钉SM9-64	Screw SM9-64	2	
22	41728025	平垫圈	Flat washer	1	
23	141916003	中压脚	Middle presser foot	1	
24	14200500100	中压脚连杆组件	Middle presser foot connecting rod assembly	1	

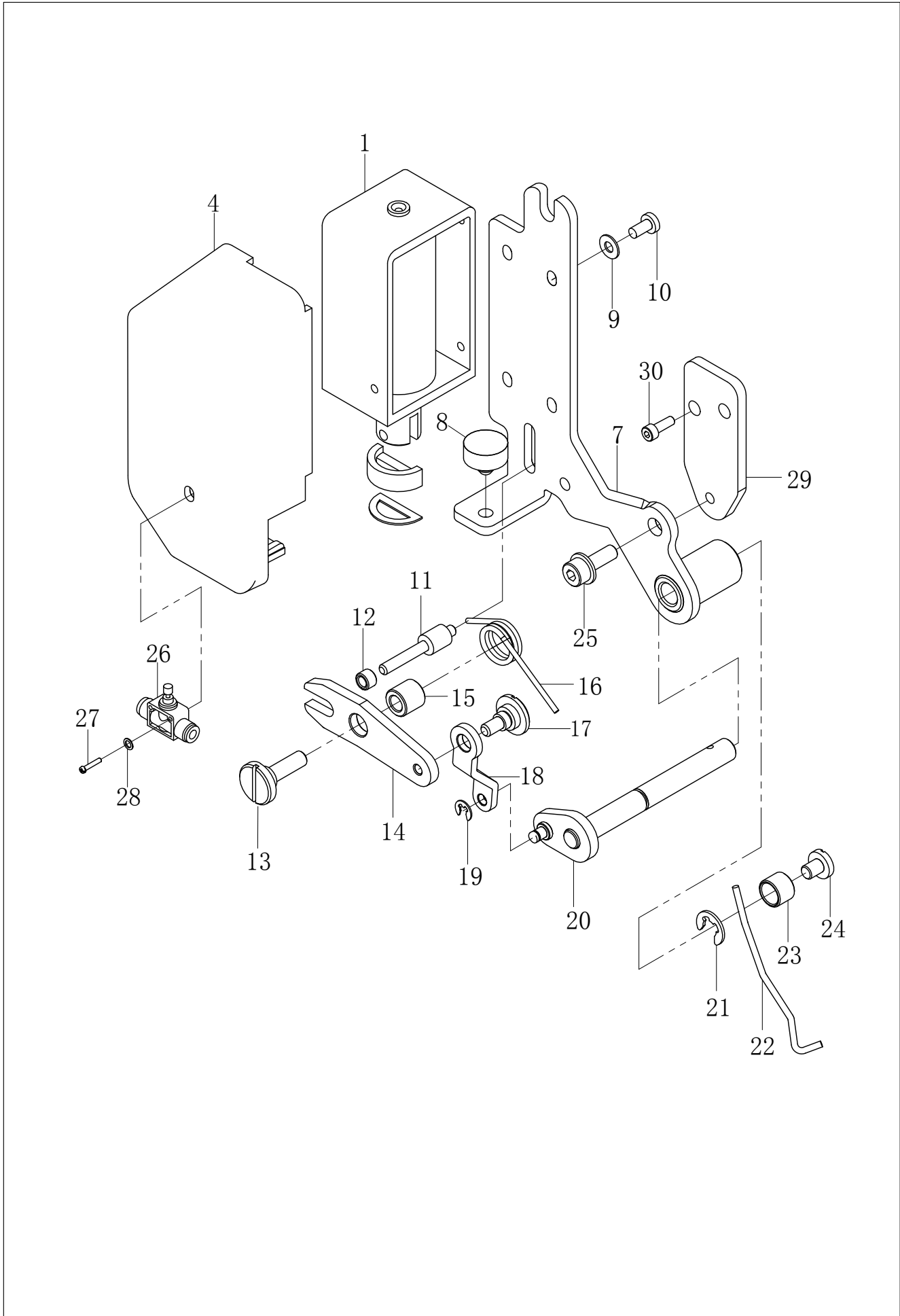
# E、穿线装置 / Threading mechanism



## E、穿线装置/ Threading mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	40322027	橡皮塞	Rubber plug	2	
2	141945013	夹线气缸B	Wire clamping cylinder B	1	
3	42536004	气管接头	Tracheal joint	1	
4	141912239	小夹线气缸安装板	Mounting plate of small wire clamping cylinder	1	
5	S04078	螺钉M4×8	Screw M4 x 8	5	
6	142345002	气管接头	Tracheal joint	1	
7	41712077	过线导向板	Line guide plate	1	
8	S04028	螺钉M5×8	Screw the M5 x 8	2	
9	4171301400	副夹线器组件	Auxiliary clamp assembly	1	
10	S10019	螺钉M6×6	Screw M6 x 6	1	
11	141901029	夹线器安装座	Clamp mounting seat	1	
12	S05962	螺钉M6×12	Screw M6 x 12	1	
13	41813613	松线销	Loose thread pin	1	
14	4181361200	夹线器	Thread clamp device	1	
15	41712079	过线器C	Wire passer C	1	
16	141912108	夹线器过线勾	Clamp wire hook	1	
17	141926012	过线柱	Wire passer column	2	
18	S09019	螺钉M5×5	Screw M5 x 5	1	
19	S05192	螺钉M3×6	Screw M3 x 6	2	
20	141912238	夹线气缸电磁阀支撑座	support seat	1	
21	141945019	双通电磁阀	Two way solenoid valve	1	
22	1421300100	上过线组件	Upper threading assembly	1	

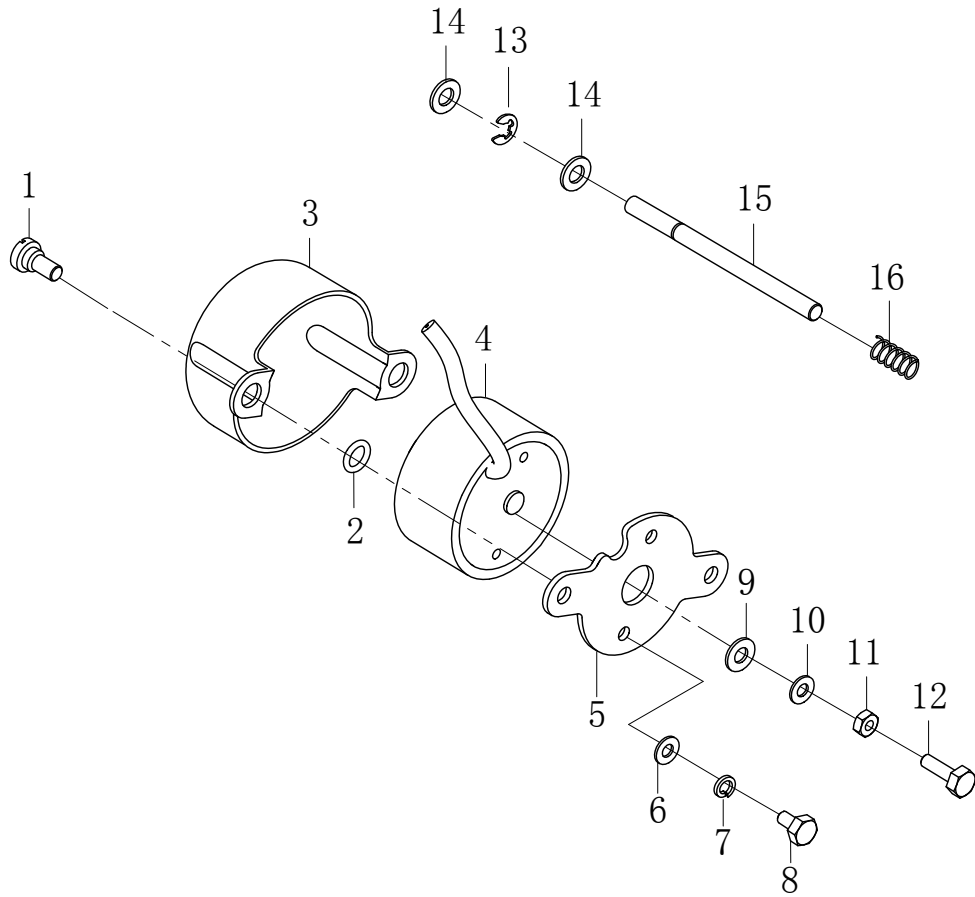
# F、扫线装置 / Thread trimmer mechanism



F、扫线装置/ Thread trimmer mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	141930029	扫线电磁铁2.9	wiper electromagnet 2.9	1	
4	41811213	电磁铁盖	Electromagnet cover	1	
6	W01002	M3垫片	The M3 gasket	1	
7	4181226100	扫线电磁铁安装板组件	Sweep electromagnet mounting plate assembly	1	
8	41822213	缓冲块	Buffer block	1	
9	W01002	M3垫片	The M3 gasket	4	
10	S04082	螺钉M3×6	Screw M3 * 6	4	
11	41826215	销子	pin	1	
12	41803223	铜垫圈	Copper gaskets	1	
13	418S20213	轴位螺钉B	Shaft screw B	1	
14	41812264	驱动摆杆	Drive the swinging rod	1	
15	41803225	套管	casing	1	
16	41827212	扭簧	Torsional spring	1	
17	418S20212	轴位螺钉A	Shaft screw A	1	
18	141912170	扫线连杆	Sweep line connecting rod	1	
19	H03057	开口挡圈3	Open retainer 3	1	
20	4180421400	扫线曲柄组件	Sweep crank assembly	1	
21	H05006	挡圈5	Retaining ring 5	1	
22	41827211	扫线钢丝	Sweep line wire	1	
23	41803220	挡线轴挡圈	Spool retainer	1	
24	417S15013	螺钉M4×5	Screw the M4 x 5	1	
25	417S30036	螺栓(带垫圈)M5×12	Bolt (with washer)M5 x 12	2	
26	41845232	T形接管KJT04	T-junction KJT04	1	
27	S01591	螺钉M3×18	Screw M3 by 18	1	
28	W01002	M3垫片	The M3 gasket	1	
29	141912088	扫线装置支架	Wire sweeping device bracket	1	
30	S05123	螺钉M5×12	Screw M5 * 12	2	

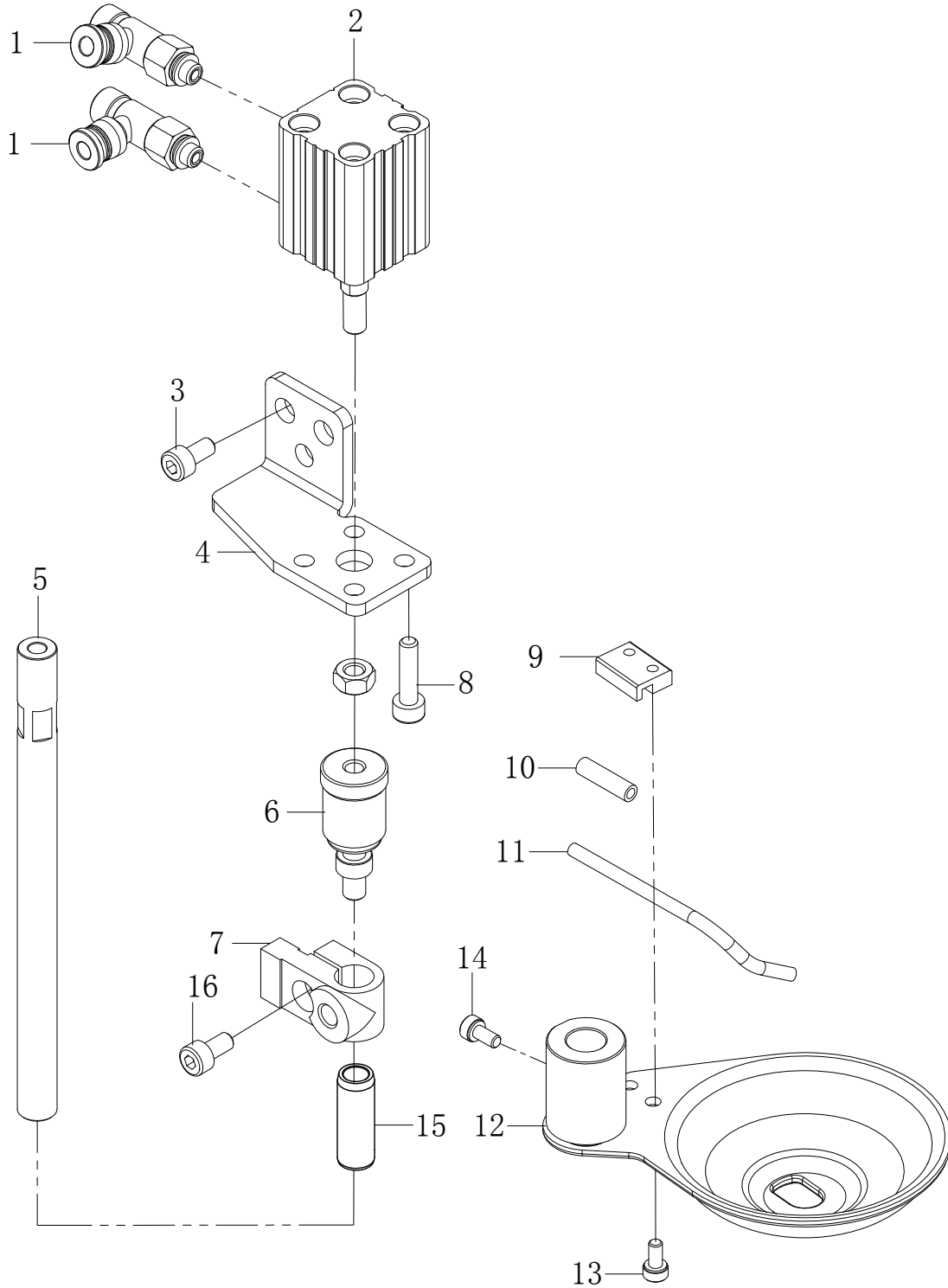
G、松线装置/ Tension release mechanism



G、松线装置/ Tension release mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	417S30012	段螺钉7-3	7-3 section of the screw	2	
2	41722021	O形圈P7	O ring P7	2	
3	41711211	电磁铁盖	Electromagnet cover	1	
4	141930030	松线电磁铁HV2.9m	Loose wire electromagnet HV2.9m	1	
5	41712099	电磁铁安装板	Electromagnet mounting plate	1	
6	W01001	平垫圈M4	Flat washer M4	2	
7	W02008	弹簧垫圈2-4	Spring washer 2-4	2	
8	L02031	螺栓M4×8	Bolt the M4 x 8	2	
9	41722020	电磁铁缓冲垫圈	Electromagnet buffer washer	1	
10	W01001	平垫圈M4	Flat washer M4	1	
11	N01024	六角螺母M4	Hexagon nut M4	1	
12	L02036	螺栓M4×14	Bolt M4 x 14	1	
13	H05029	挡圈E4	Retaining ring E4	1	
14	W01009	平垫圈M5	Flat washer M5	2	
15	141926007	松线杆	Pine pole	1	
16	41727013	弹簧	spring	1	

# H、大压脚装置 / External work clamp mechanism

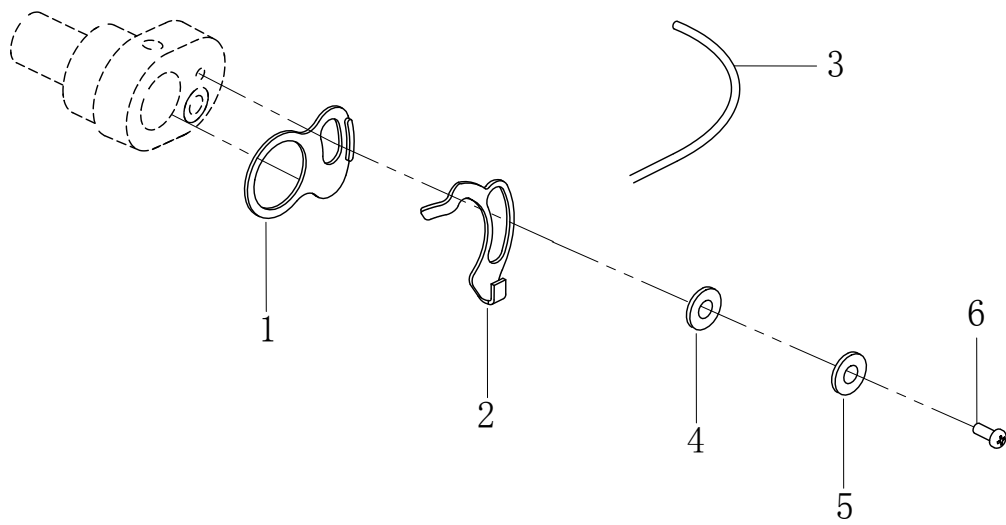




H、大压脚装置 / External work clamp mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	141936002	排气调速接头	Exhaust gas speed regulating joint	2	
2	141945015	中压脚升降气缸	Middle presser foot lift cylinder	1	
3	S05123	螺钉M5×12	Screw M5 x 12	2	
4	141912240	大压脚气缸安装板	Large presser foot cylinder mounting plate	1	
5	141902025	大压脚杆	Large presser foot rod	1	
6	4250400600	浮动接头	Floating joint	1	
7	41709020	压紧杆接头	Tighten rod joint	1	
8	S05118	螺钉M4×16	Screw the M4 x 16	4	
9	41801064	铜管压板	Copper tube pressing plate	1	
10	141845007	软管TUS0425N	Hose tus0425n	1	
11	141921007	吹气铜管	Blowing copper pipe	1	
12	14191600400	大压脚	Big presser foot	1	
13	S05192	螺钉M3×6	Screw M3 * 6	2	
14	S05115	螺钉M4×6	Screw M4 * 6	2	
15	41703015	压紧杆轴套	Compression rod shaft sleeve	1	
16	421S13035	螺钉M4×8	Screw the M4 x 8	1	

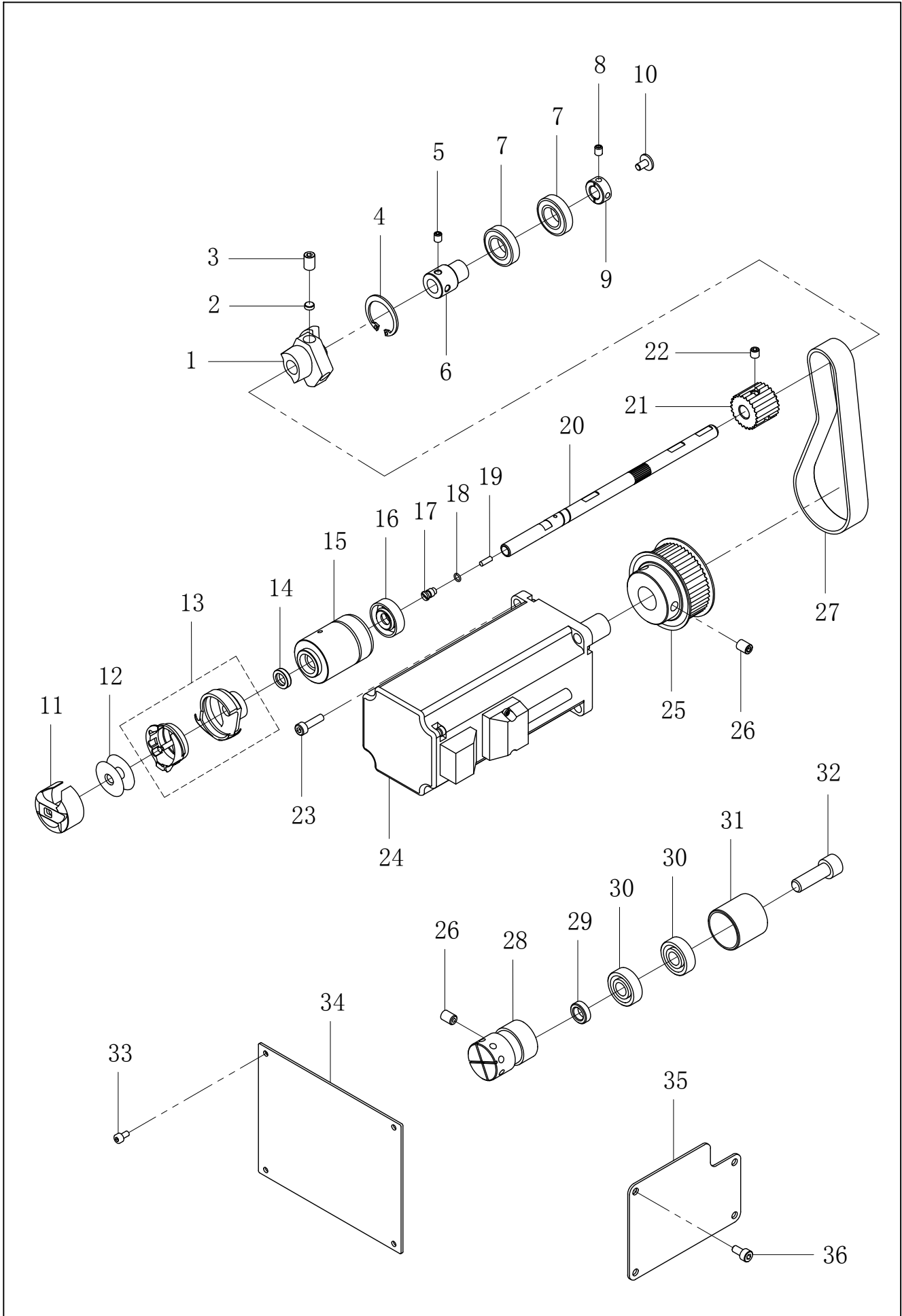
# I、断线感应装置/Tread breakage dectetor mechanism



## I、断线感应装置/Tread breakage dectetor mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	41711054	传感器内绝缘片	Sensor internal insulation sheet	1	
2	42212837	感应铜片	Induction of copper	1	
3	141830008	单芯线 (0.2mm)	Single core wire (0.2mm)	3	
4	41711053	传感器外绝缘片	Sensor outer insulation sheet	1	
5	W01001	M4垫片	The M4 gasket	1	
6	S04078	螺钉M4×8	Screw M4 x 8	1	

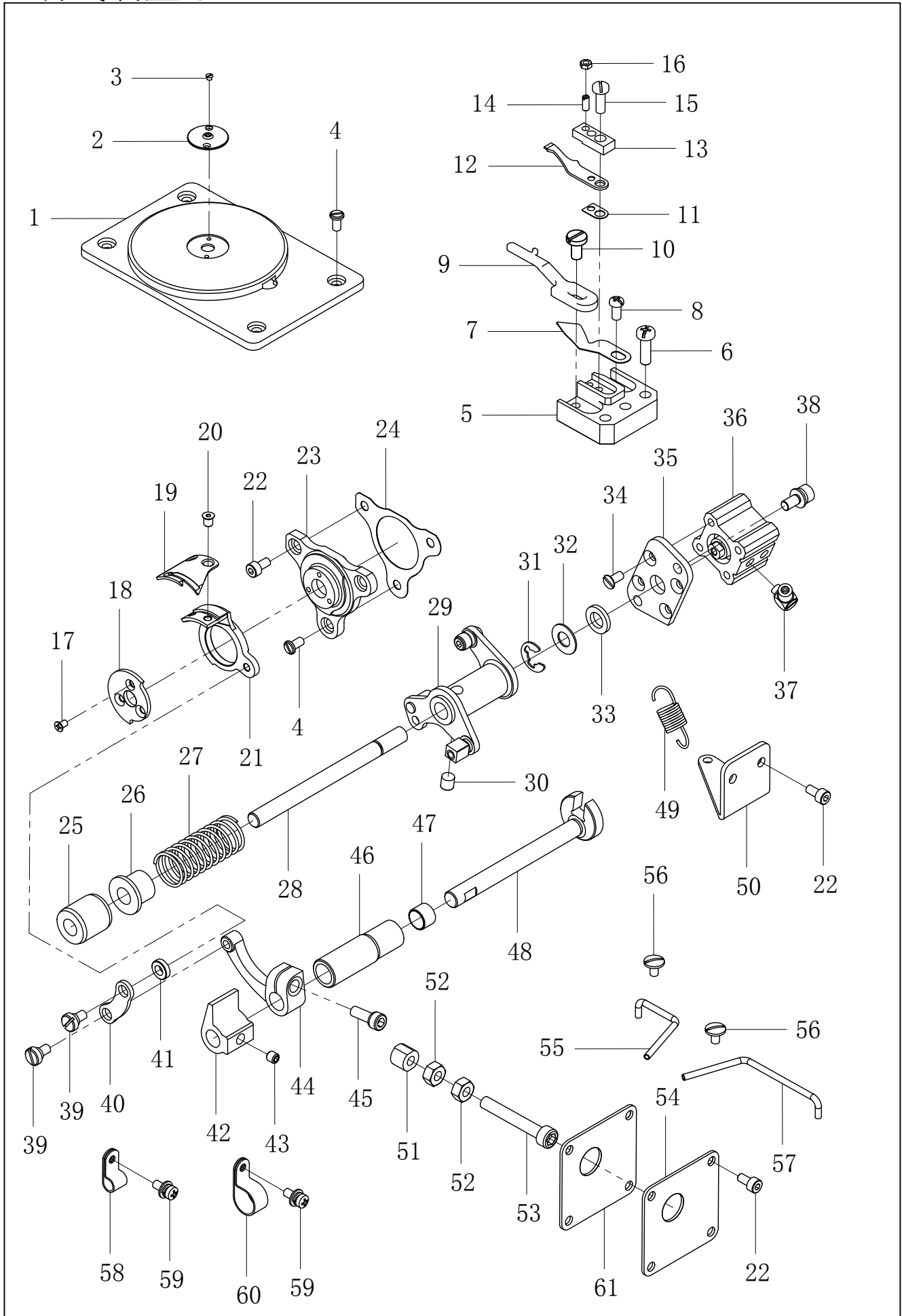
# J、下轴装置 / Lower shaft mechanism



## J、下轴装置 / Lower shaft mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	11510001	凸轮	CAM	1	
2	11309030	凸轮顶柱	CAM needle	2	
3	116S14005	螺钉SM1/4(40)×10	Screw SM1/4 x 10 (40)	2	
4	H01106	孔用弹性挡圈24	Elastic retainer for hole 24	1	
5	113S14002	螺钉SM11/64(40)×5.5	Screw SM11/64 x 5.5 (40)	2	
6	141903007	下轴轴承套	Lower shaft bearing sleeve	1	
7	B01060	轴承61901-2RZ	Rz bearing 61901-2	2	
8	413S14006	螺钉M4×4	Screw the M4 x 4	2	
9	42508003	挑线连杆销紧圈	Connecting rod pin tightening ring	1	
10	418S30218	螺钉M4×7	Screw the M4 x 7	2	
11	42218002	梭芯套组件	Bobbin sleeve assembly	1	
12	10818501	梭芯	The bobbin	1	
13	42218003	旋梭组件	Hook component	1	
14	11522001	油封	Oil seal	1	
15	42203509	下轴前轴套	Lower shaft front sleeve	1	
16	1142201400	下轴前轴套油封	Oil seal for lower shaft front sleeve	1	
17	141803006	下轴油芯套	Lower shaft oil mandrel	1	
18	141822002	O形圈	o-ring	1	
19	141823001	下轴限油芯	Lower shaft limiting oil core	1	
20	141902002	下轴	The shaft	1	
21	141935001	下节小同步轮	Lower section small sync wheel	1	
22	S09019	螺钉M5×5	Screw M5 x5	3	
23	S05124	螺钉M5×16	Screw M5 * 16	4	
24	141933013	下轴电机	The shaft motor	1	
25	14193500200	下节大同步轮组件	Next section large synchronous wheel assembly	1	
26	S10009	螺钉M6×8	Screw M6 x 8	4	
27	141935004	下节同步带15-300-S3M	The next section of the synchronous belt is 15-300-S3M	1	
28	141903008	下节张紧轮轴套	Lower section tensioning wheel shaft sleeve	1	
29	42528003	轴承垫圈	Bearing washer	1	
30	B03005	轴承608Z	Bearing 608 z	2	
31	141903018	张紧轮	Tension wheel	1	
32	421S13057	螺钉M8×30	Screw the M8 by 30	1	
33	421S13035	螺钉M3×6	Screw M3 * 6	4	
34	930000423	下轴电机盖板	Lower shaft motor cover plate	1	141912135
35	141912134	侧盖板	The side cover	1	
36	421S13035	螺钉M4×8	Screw M4 x 8	4	

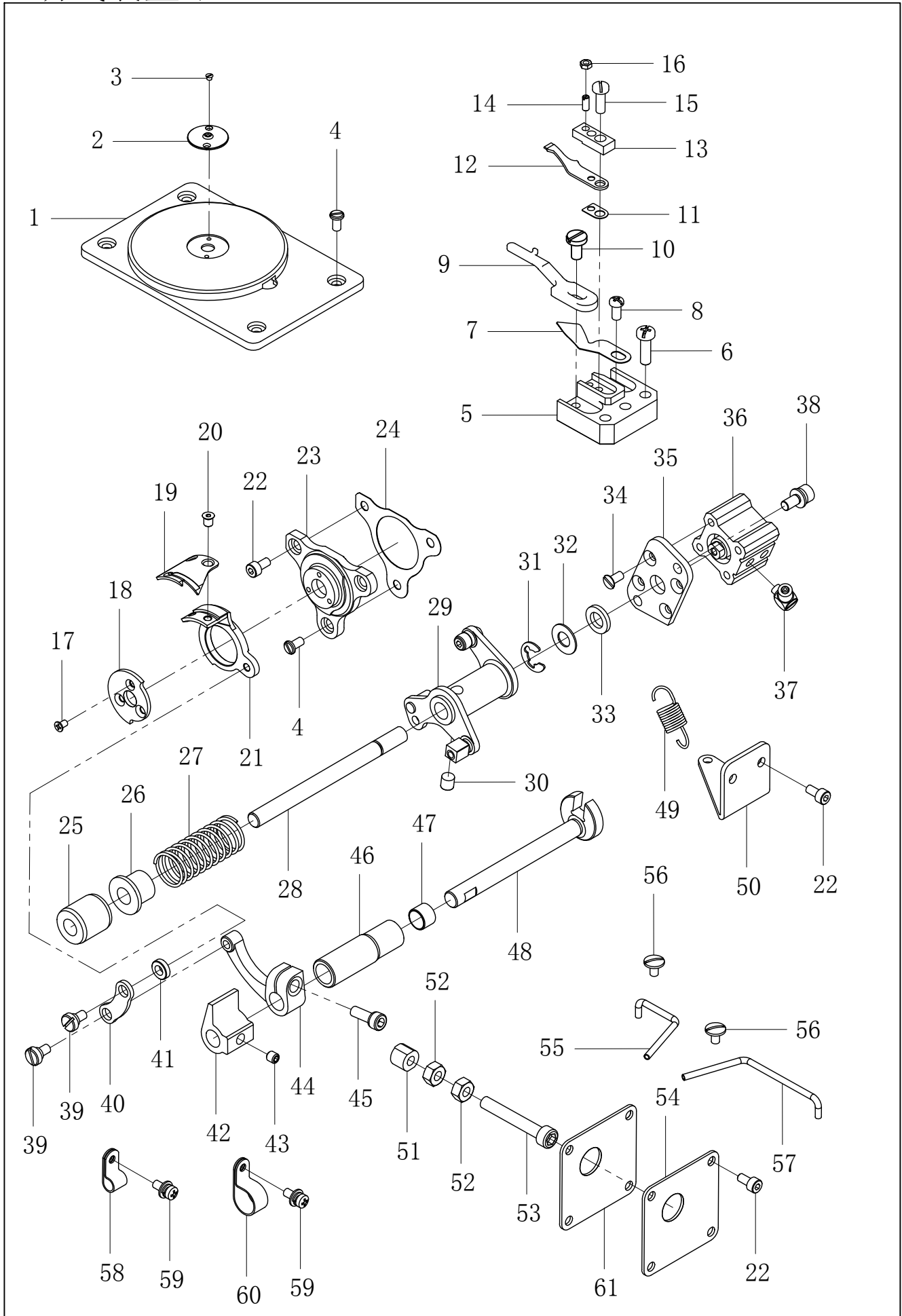
# K、切线装置 / Thread trimmer mechanism



## K、切线装置 / Thread trimmer mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	141915001	针板	The needle plate	1	
2	41815011	针孔板 $\phi 1.8T2.0$	1.8T2.0pinhole plate phi	1	
3	417S17001	螺钉SM2.38	Screw SM2.38	2	
4	417S15008	螺钉M4×8	Screw the M4 x 8	5	
5	142001008	定位勾组件安装座	Locating hook assembly mounting seat	1	
6	413S11003	螺钉M5×16	Screw the M5 * 16	3	
7	13112007	护针片	needle protection plate	1	
8	114S11009	挂板螺钉	Hanging screw	1	
9	141812022	定位勾	Positioning hook	1	
10	402S11037	绕线器安装螺钉M5×10	Mounting screw M5×10 for winder	1	
11	142012085	定刀垫片	fixed knife gasket	1	
12	13119001	定刀	fixed knife	1	
13	141909001	定刀压板	fixed knife holder	1	
14	422S30514	螺钉SM1/8×44	SM1/8 x 44 screw	1	
15	116S11005	牙架曲柄螺钉	Bracket crank screw	1	
16	409S16025	螺母SM1/8×44	Nut SM1/8 x 44	1	
17	S02031	螺钉M3×5	Screw M3 x 5	3	
18	42212668	异形刀架压板	Special-shaped tool holder press plate	1	
19	13119004	动刀	moving knife	1	
20	1419NS17001	活动刀固定螺钉	Movable knife fixing screw	2	
21	13107002	剪线刀架	Trimming knife rack	1	
22	421S13035	螺钉M4×8	Screw the M4 x 8	8	
23	141909005	剪线刀架支座	trimming knife holder	1	
24	141912040	剪线刀架支座垫片	trimming knife holder gasket	1	
25	11503004	切刀驱动轴轴套	Cutter drive shaft sleeve	1	
26	11322002	扭簧端盖	Torsional spring end cover	1	
27	141927001	剪线弹簧	Trimming spring	1	
28	141902001	切线驱动轴	Tangential drive shaft	1	
29	1150400200	切线凸轮曲柄组件	Tangential CAM crank assembly	1	
30	409S14003	针杆曲柄销定位螺钉	Needle bar crank pin setting screw	1	
31	H05031	挡圈E6	Retaining ring E6	1	
32	10112003	针杆曲柄护板	Needle bar crank guard	1	
33	11322003	电磁铁缓冲垫	Electromagnet cushion	1	
34	S02039	螺钉M4×9	M4 x 9 screw	4	
35	141912110	剪线气缸安装板	Wire cutting cylinder mounting plate	1	
36	141930005	切线气缸	The tangent cylinder	1	
37	42230519	微型接头M-5HLH-4	Miniature connector M-5HLH-4	2	
38	417S30036	螺钉M5×12	screw M5 * 12	2	

# K、切线装置 / Thread trimmer mechanism

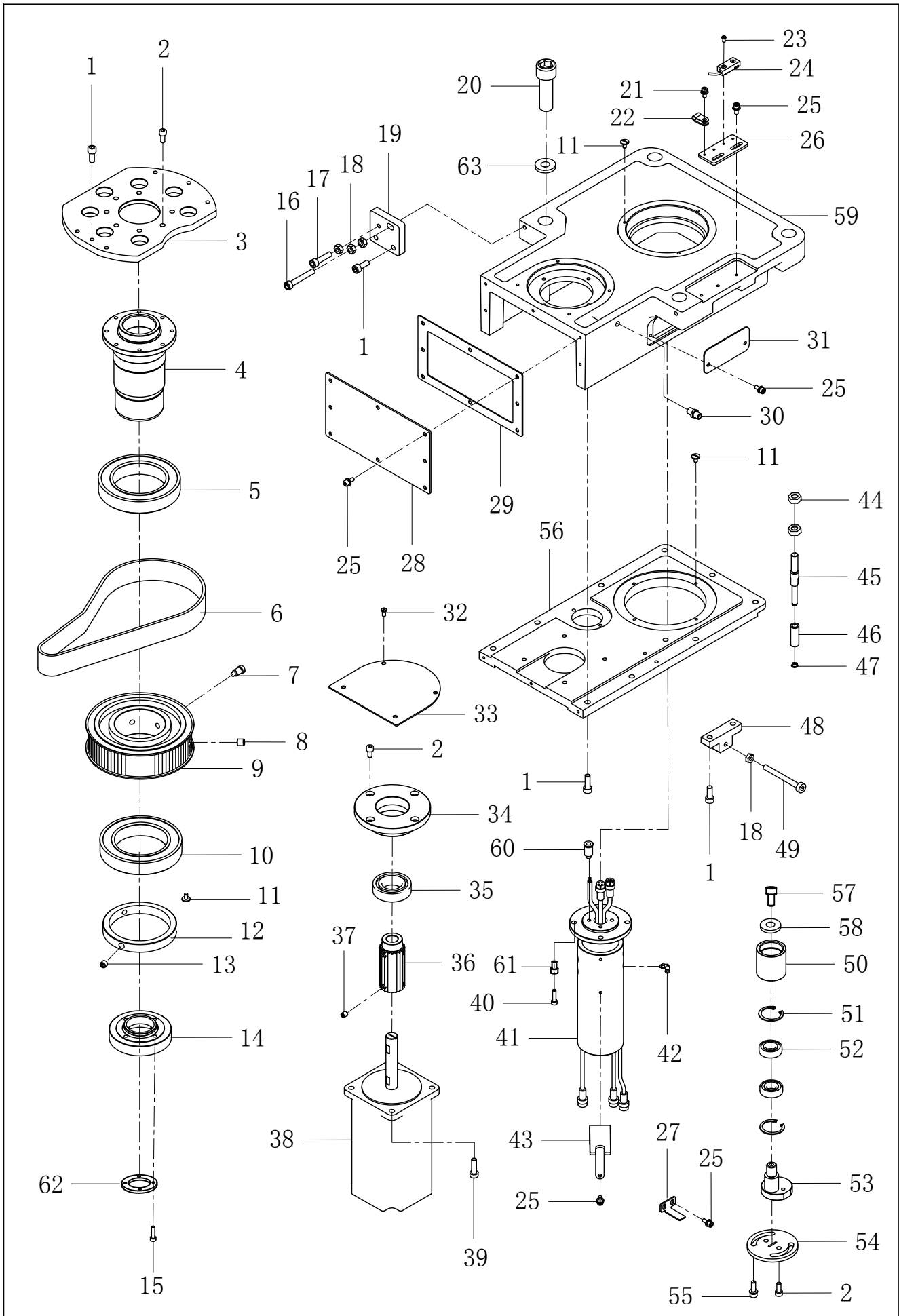




## K、切线装置 / Thread trimmer mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
39	113S20001	连杆螺钉	The connecting rod screws	2	
40	11505001	连杆	Connecting rod	1	
41	13128003	连杆垫片	Connecting rod gasket	1	
42	141903024	剪线曲柄轴止动块B	Shear line crank shaft stop B	1	
43	S10019	螺钉M6×6	Screw M6 x 6	1	
44	141904003	剪线曲柄	Trimming the crank	1	
45	S05004	螺钉M5×14	Trimming the crank	1	
46	141903002	切线轴套	Tangent collar	1	
47	42203517	切线曲柄轴短套	Tangent crank shaft stub sleeve	1	
48	141903025	切线凸轮曲柄轴B	Tangent CAM crank shaft B	1	
49	11527001	复位弹簧	Reset spring	1	
50	141912013	剪线曲柄复位弹簧安装板	Shear line crank reset spring mounting plate	1	
51	141922008	缓冲垫	cushion	1	
52	N01021	螺母M6	Nut M6	2	
53	S05073	螺钉M6×40	Screw M6 x 40	1	
54	141912136	切线调节盖板	Tangent adjustment cover plate	1	
55	141921003	吹气铜管左	Blow brass left	1	
56	418S30218	螺钉M4×7	Screw the M4 x 7	6	
57	141921002	吹气铜管右	Blow brass right	1	
58	41711014	电线夹6.4	Wire clip 6.4	1	
59	417S30025	螺栓(带垫圈)M4×10DB	Bolt (with washer)M4×10DB	2	
60	41711015	电线夹13.2	Wire clip 13.2	1	
61	141912205	切线调节盖板垫片	Tangent regulating cover gasket	1	

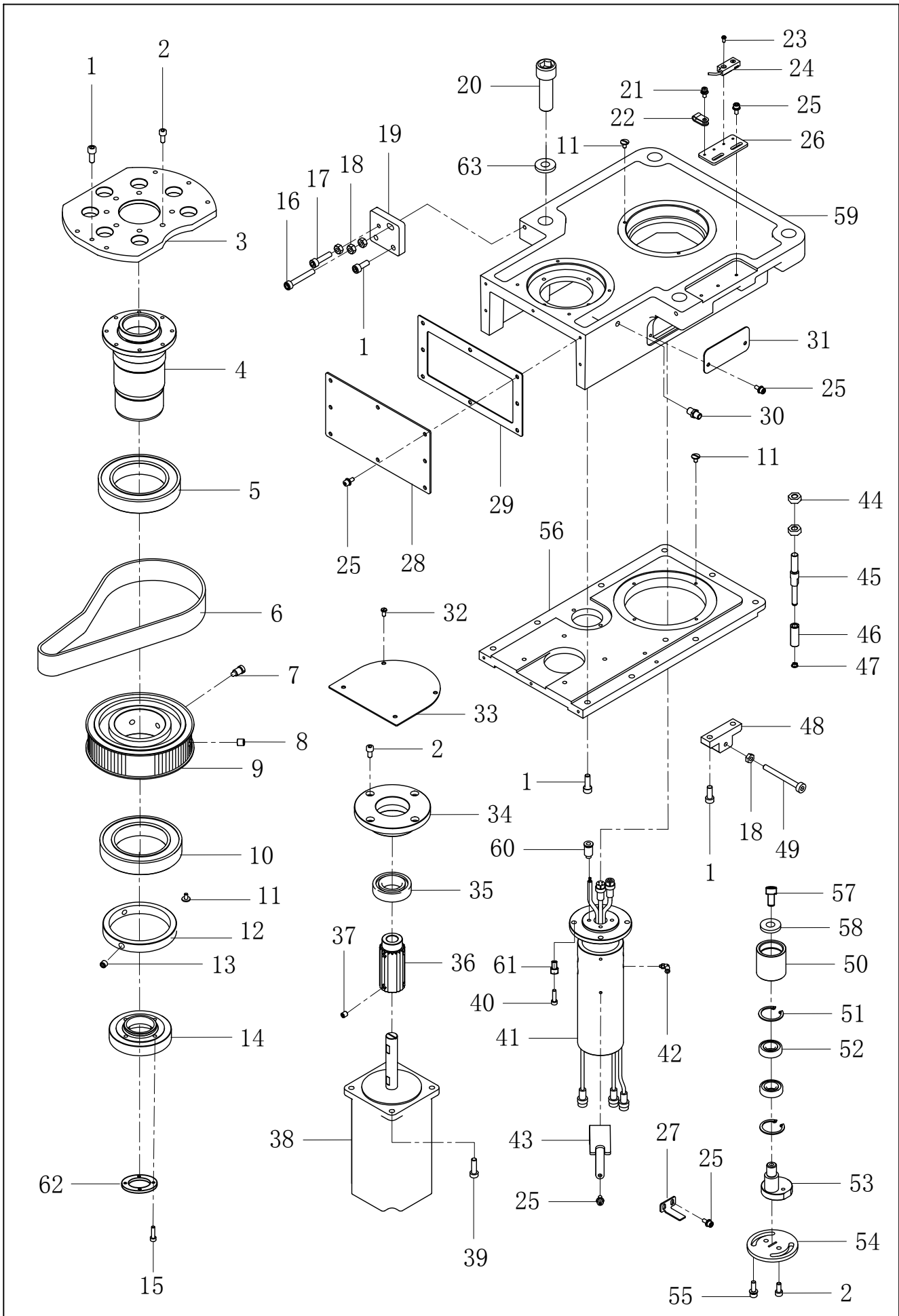
# L、下旋转装置 / Rotating mechanism



## L、下旋转装置 / Rotating mechanism

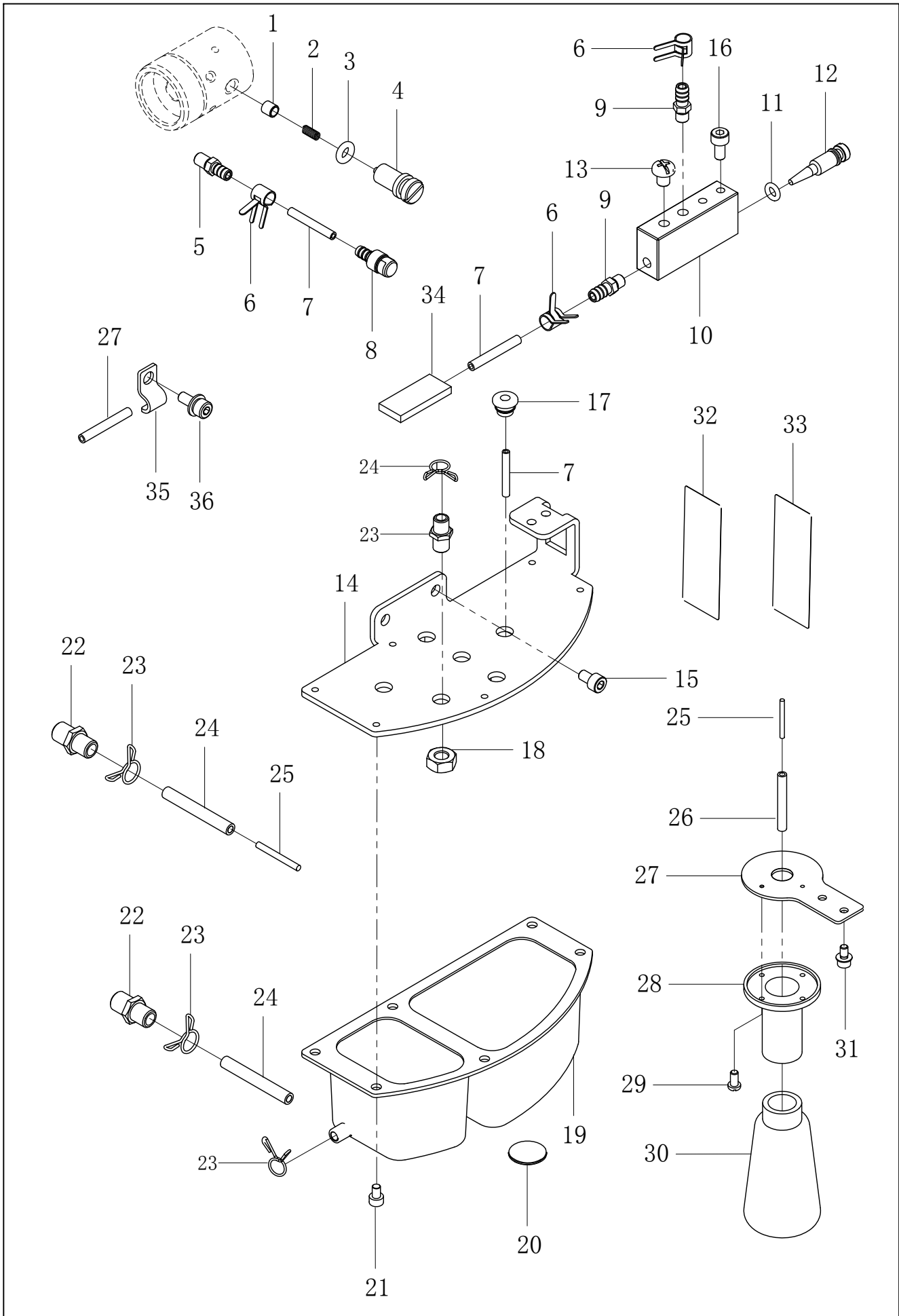
序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	S05085	螺钉M6×15	Screw M6 x 15	15	
2	S05123	螺钉M5×12	Screw M5 x 12	13	
3	141912156	旋转法兰盘C	Rotating flange C	1	
4	141903052	下节旋套D	Lower section rotary sleeve D	1	
5	B04074	轴承6013-2RS	Bearing 6013-2 - rs	1	
6	141935025	同步带615-5M-30	Synchronous belt 615-5M-30	1	
7	417S30002	螺钉M8×14	Screw M8 x 14	1	
8	S10025	螺钉M8×8	Screw M8 x 8	2	
9	14193502400	下节旋转大同步轮组件	Next rotary Datong step wheel assembly	1	
10	B06049	轴承6912-2RS	Bearing	1	
11	418S30218	螺钉M4×7	Screw M4 x 7	11	
12	141908002	下机头旋套挡圈	Lower nose rotary retainer ring	1	
13	S10002	螺钉M6×6	Screw M6 x 6	3	
14	141903012	下节滑环转接板	Lower slide ring adapter plate	1	
15	413S13011	螺钉M4×12	Screw M4x 12	4	
16	S05073	螺钉M6×40	Screw M6 x 40	2	
17	413S13013	螺钉M6×25	Screw M6 x 25	2	
18	N01021	螺母M6	Nut M6	10	
19	141912143	调节板C	Adjustment plate C	2	
20	S05993	螺栓M16×55	Bolt M6 x 55	4	
21	417S30025	螺栓(带垫圈)M4×10DB	Bolt (with washer) M4 × 10DB	1	
22	41311001	线夹	Wire clip	1	
23	421S10005	螺钉M3×6	Screw M6 x 25	1	
24	41730851	传感器	The sensor	1	
25	421S13012	螺钉M4×10	Screw M4 x 10	16	
26	41812023	Y传感器安装座	Y sensor mounting seat	1	
27	141912091	下旋转感应片	Lower rotation sensor	1	
28	930000849	下节同步轮箱盖板B	Cover plate B of lower synchronous wheel box	1	141912255
29	141912256	下节同步轮箱垫片	Lower synchronous wheel box gasket	1	
30	12936004	油管嘴	Tubing mouth	1	
31	141912259	同步带测量孔盖板B	Timing belt measuring hole cover plate B	1	
32	421S13035	螺钉M4×8	Screw M4 x 8	4	
33	930000834	小同步轮座盖板	Small synchronous wheel seat cover plate	1	141912128
34	141901110	小同步轮轴承座B	Small synchronous wheel bearing seat B	1	
35	B04118	轴承6005-2Z	Bearing 6005-2Z	1	
36	141935026	下节旋转小同步轮B	Rotating small synchronous wheel B in the next section	1	
37	S10019	螺钉M6×6	Screw M6 x 6	4	
38	141933008	下节旋转电机B	Lower rotary motor B	1	
39	S05111	螺钉M6×20	Screw M6 x 20	12	
40	S05118	螺钉M4×16	Screw M4 x 16	4	
41	141930031	滑环	Slip ring	1	
42	42536004	气管接头	Tracheal joint	4	
43	141912254	止转板C	Stop turning plate	1	
44	N01011	螺母M8	Nut M8	2	
45	141926009	止转杆	Anti rotation rod	1	
46	141903017	止转尼龙套	Non-rotating nylon sleeve	1	
47	13829001	轴用弹性挡圈6	Circlip 6 for shaft	1	
48	141912090	调节板B	Adjusting plate B	2	
49	S05998	螺钉M6×65	Screw M6 x 65	2	
50	141903053	下节同步带张紧轮	Lower synchronous belt tensioner	1	
51	H01011	孔用弹性挡圈28	Circlip for hole 28	2	
52	B01058	轴承(6001-Z)	Bearing (6001-Z)	2	

# L、下旋转装置 / Rotating mechanism



53	141901048	下节同步带张紧轮座	Lower synchronous belt tensioner seat	1	
54	141912253	张紧轮调节板B	Tensioning wheel adjusting plate B	1	
55	421S13065	螺钉M5×16	Screw M5 x 16	2	
56	930000830	下节同步轮箱体B	Cover plate B of lower synchronous wheel box	1	141901111
57	S05110	螺钉M6×12	Screw M6 x 12	1	
58	W01021	垫圈6.3×18×1.2	Washer6.3×18×1.2	1	
59	930000821	下节同步轮箱体B(喷漆)	Lower synchronous wheel box B	1	141901112
60	40736048	接头KJS4-M5	Joint KJS4 - M5	4	
61	141903041	滑环安装孔绝缘法兰	Slip ring mounting hole insulating flange	4	
62	141911024	滑环绝缘垫片	Slip ring insulating gasket	1	
63	41828013	大垫片	The big washer	4	

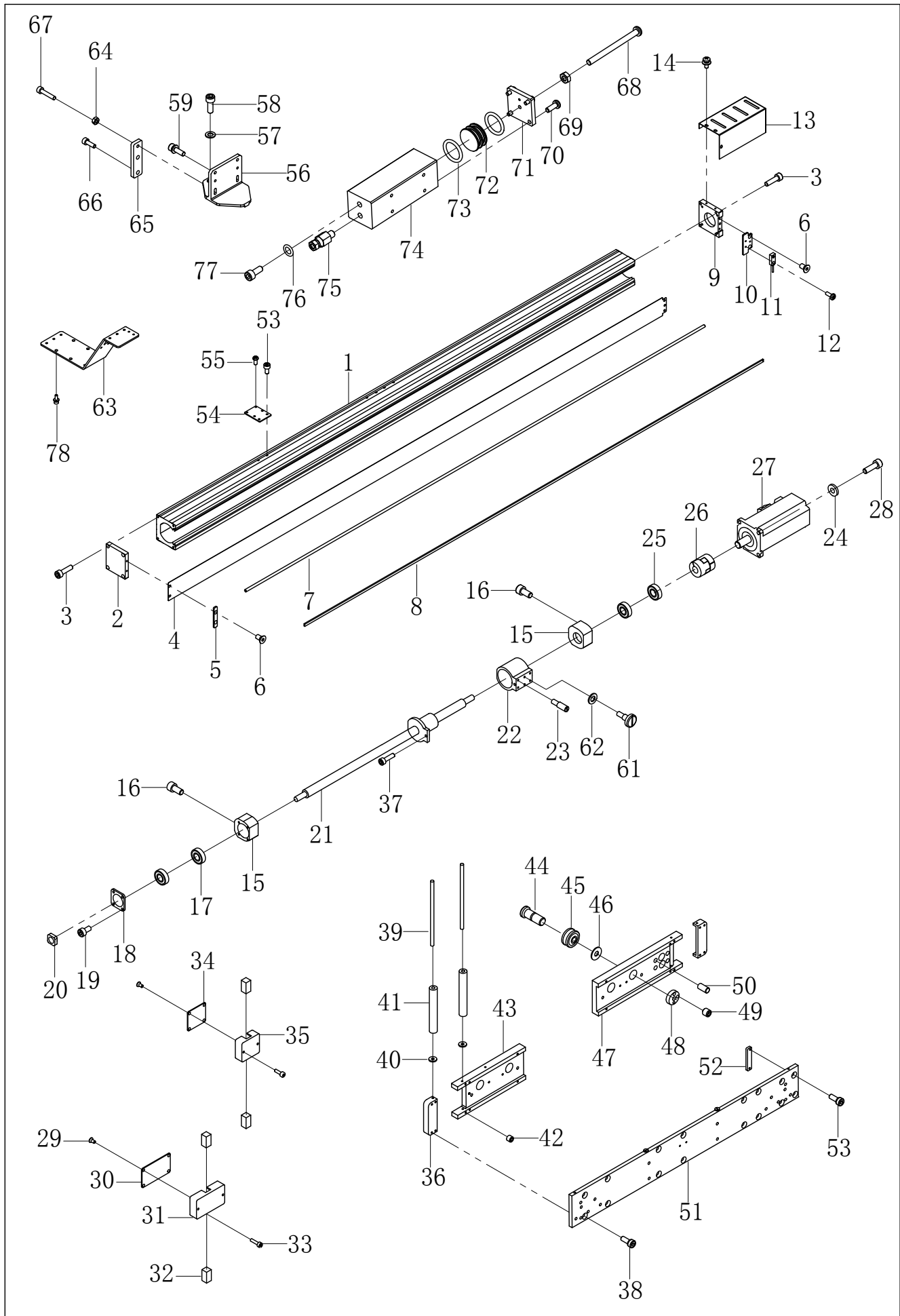
M、旋梭供油装置 / Fusier oil supply mechanism



## M、旋梭供油装置 / Fusier oil supply mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	10526003	柱塞	plunger	1	
2	11427021	柱塞弹簧	Plunger spring	1	
3	10122010	O形圈	o-ring	1	
4	114S30010	插座螺钉	Socket screws	1	
5	114S30009	润滑连接器	Lubricating connector	3	
6	11412055	φ 5.7油管卡簧	5.7 Tubing spring	5	
7	12921002	维尼龙油管 (φ 3× φ 5)	Vynylon tubing (3× 5)	4	
8	4183601700	滤网组件	Filter elements	1	
9	41836015	油管嘴M5	The line M5	2	
10	142009002	调节阀座A	Regulating seat A	1	
11	001004	O形圈	o-ring	1	
12	418S30612	调节螺钉	Adjusting screw	1	
13	S04030	复合槽螺钉M5×6	Composite slotted screw M5×6	1	
14	141912249	油壶安装板	Oil pot mounting plate	1	
15	S05120	螺钉M5×8	Screw the M5 x 8	2	
16	421S13035	螺钉M4×8	Screw the M4 x 8	2	
17	40322027	橡皮塞	Rubber plug	5	
18	N01011	螺母M8	Nut M8	1	
19	141911029	油壶C	Oil can C	1	
20	915624	磁铁15×1	The magnet 15 x 1	5	
21	421S13003	螺钉M4×8	Screw the M4 x 8	6	
22	12936004	油管嘴	Tubing mouth	2	
23	12912038	油管夹	Tubing clamps	3	
24	12921006	维尼龙油管 (φ 6× φ 8)	Vynylon tubing (6× 8)	2	
25	12923018	油线4×4	Line 4 x 4	2	
26	12921005	维尼龙油管 (φ 4× φ 6)	Vynylon tubing (4× 6)	1	
27	41812014	废油壶安装板	Waste oil pot mounting plate	1	
28	40311010	油壶接头	The oil can joint	1	
29	421S10005	螺钉M3×6	Screw M3 x 6	4	
30	40311011	回油油壶	Oil return can	1	
31	421S13017	螺钉M5×10	Screw the M5 * 10	2	
32	141937007	油量标贴	Oil labeling	1	
33	41837101	油量调节标签	Fuel regulation label	1	
34	10123006	回油毡	Return felt	1	
35	12912326	线夹	clamp	1	
36	421S13012	螺钉M4×10	Screw M5 x 8	1	

# N1、X送料装置(S) / X Feed mechanism (S)

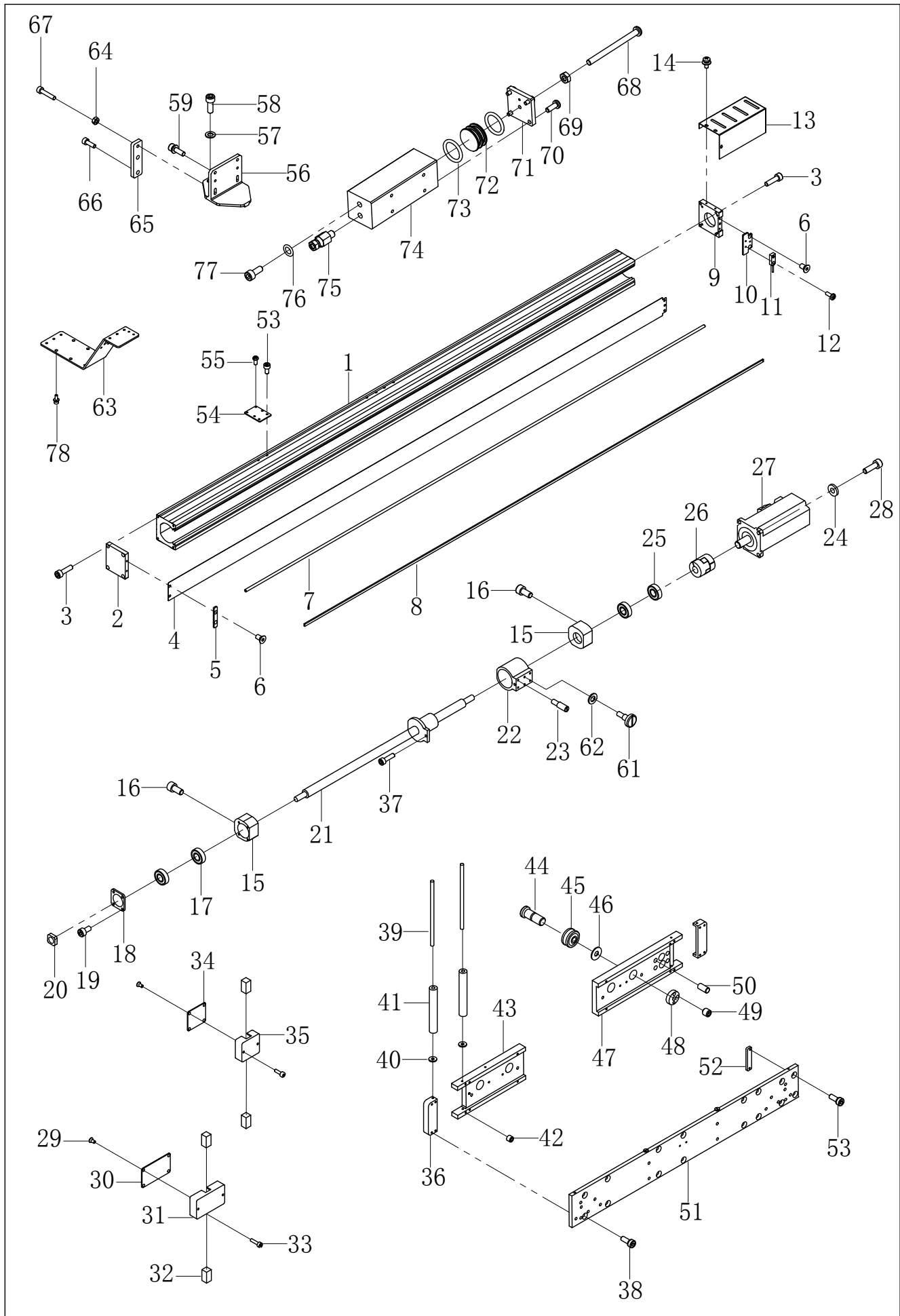




N1、X送料装置(S) / X Feed mechanism (S)

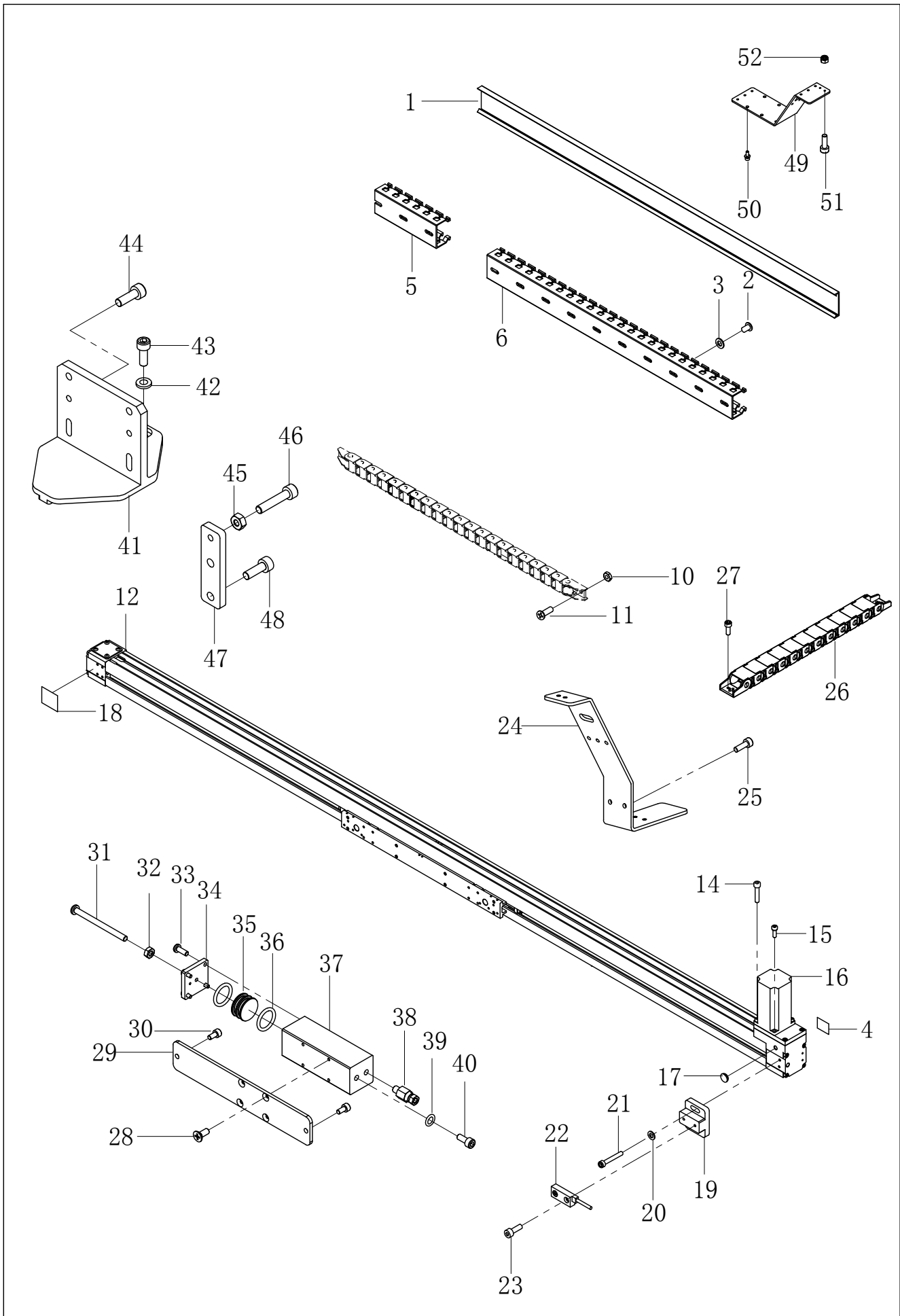
序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	141801044	丝杆罩壳	Screw housing	1	
2	141801051	端盖	End cap	1	
3	S05124	螺钉M5×16	Screw M5×18	8	
4	141812259	防尘钢带	Dust proof steel strip	1	
5	141812261	钢条压紧板	Steel bar pressing plate	1	
6	S02039	沉头螺钉M4×9	Screw M4×9	4	
7	141824012	导轨轴	Guide	2	
8	141822019	软磁条	Soft magnetic stripe	2	
9	141801050	电机安装座	Motor mounting base	1	
10	141812260	传感器安装板	Sensor mounting plate	1	
11	41730851	传感器	Sensor	1	
12	421S10005	螺钉M3×6	Screw M3×6	1	
13	930000441	电机罩壳	Motor housing	1	141812273
14	417S30025	螺钉(带垫圈)M4×10	Screw M4×10	3	
15	141801045	轴承座	Bearing pedestal	2	
16	417S30036	螺钉M5×10	Screw M5×10	8	
17	B11011	轴承7001C DB	Bearing	2	
18	141812258	轴承挡板	Bearing baffle	1	
19	421S13035	螺钉M4×8	Screw M4×8	4	
20	141824017	丝杆锁紧螺母	Screw lock nut	1	
21	141824018	丝杆组件	Screw assembly	1	
22	141801046	丝杆螺母安装座	Screw nut mounting base	1	
23	141802030	轴位螺钉M5	Screw M5	4	
24	W01001	平垫圈4	Washer 4	4	
25	B01058	轴承6001ZZ	Bearing	2	
26	142003007	联轴器	Coupling	1	
27	142033005	X丝杆电机	X screw motor	1	
28	S05118	螺钉M4×16	Screw M4×12	4	
29	S02032	螺钉M3×5	Screw M3×5	8	
30	141812281	油盒盖板B	Oil box cover plate B	1	
31	141801067	油盒B	Oil box B	1	
32	141823006	油毡	Asphalt felt	4	
33	S05052	螺钉M3×10	Screw M3×10	4	
34	141812280	油盒盖板A	Oil box cover plate A	1	
35	141801066	油盒A	Oil box A	1	
36	141801054	钢带压块	Steel strip pressing block	2	
37	421S13059	螺钉M5×20	Screw M5×20	1	
38	S05133	螺钉M4×12	Screw M4×12	14	
39	141826009	圆柱销3	Cylindrical pin	4	
40	W01002	平垫圈3	Washer 3	12	
41	141844010	塑料轴套P210RLM-0309-50	Plastic bushing P210RLM-0309-50	4	
42	S09103	螺钉M4×4	Screw M4×4	8	
43	141801048	移动块B	Moving block B	1	
44	141824014	轴位螺钉M6	Axial screw	8	
45	B01057	轴承SG66	Bearing	8	
46	141812263	平垫圈	Washer	8	
47	141801047	移动块A	Moving block A	1	
48	141810001	调节螺母	Adjusting nut	4	
49	S10006	螺钉M5×6	Screw M5×6	4	
50	141844011	塑料轴套GSM-0608-10	Plastic bushing GSM-0608-10	4	
51	141801049	移动块盖板	Moving block cover plate	1	
52	141812262	传感器感应片	Sensor plate	1	

# N1、X送料装置(S) / X Feed mechanism (S)



53	421S13035	螺钉M4×8	Screw M4×8	4	
54	41812146	储油脂盒安装板	Mounting plate for grease box	1	
55	S04076	螺钉M3×6	Screw M3×6	4	
56	141801052	丝杆送料联接座	Screw feed connection seat	2	
57	41728033	垫片M6	Gasket M6	4	
58	S05111	螺钉M6×20	Screw M6×20	4	
59	421S13065	螺钉(带垫圈)M5×16	Screw (with washer) M5×16	8	
61	417S30003	段螺钉	Screw	2	
62	41722021	O形圈P7		2	
63	141912151	拖链支架	Drag chain bracket	1	
64	N01024	六角螺母M4	Hexagon nut M4	1	
65	141812169	横梁调节板	Beam regulating plate	1	
66	S05133	螺钉M4×12	Screw the M4 x 12	1	
67	S05119	螺钉M4×20	Screw the M4 x 20	1	
68	S04125	十字槽盘头螺钉M4/50	Cross grooved disc head screw M4/50	1	
69	N01024	六角螺母M4	Hexagon nut M4	1	
70	S04076	螺钉M3X8	Screw M3X8	4	
71	41812145	储油脂盒盖板	Grease box cover plate	1	
72	41842042	活芯子	The live core	1	
73	41822016	O型圈17×2.65	17 * 2.65 o-rings	2	
74	41842041	Y丝杠储油脂盒	Y lead screw grease box	1	
75	41836011	铜卡套式直通油管接头M6	Copper clamped through tubing connector M6	1	
76	141822015	组合垫片	Composite gasket	1	
77	S04038	螺钉M6×10	Screw M6 x 10	1	
78	417S30302	螺钉M4×12	Screw the M4 x 12	8	
79	417S15008	螺钉M4×8	Screw the M4 x 8	2	
80	S05124	螺钉M5×16	Screw M5×16	4	

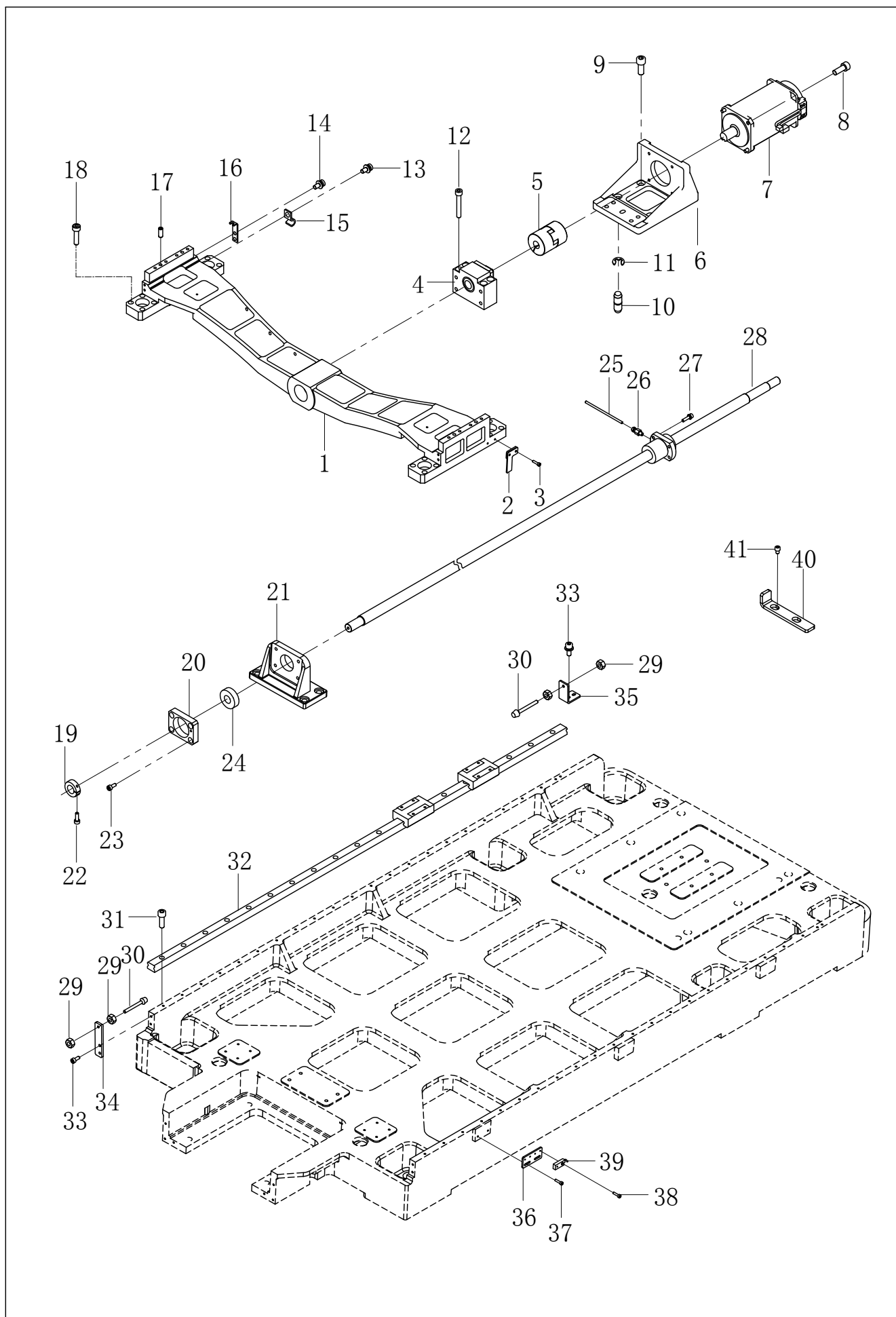
# N2、X送料装置 (T) / X Feed mechanism (T)



N2、X送料装置 (T) / X Feed mechanism (T)

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	141811006	线槽盖40L700	40 l700 slot cover	1	
2	S05115	螺栓M4×6	Bolt M4 x 6	5	
3	W01001	平垫圈4	Flat washer 4	3	
4	61910026	粘式配线固定座HC-101WP	Adhesive wiring fixator HC-101WP	1	
5	141811005	线槽4030L120	4030 l120 slot	1	
6	141811004	线槽4030L480	4030 l480 slot	1	
10	N08008	螺母M3	Nut M3	4	
11	S02127	沉头螺钉M3×10	Countersunk head screw M3x10	4	
12	4184205000	同步带送料模组	Synchronous belt feeding module	1	
14	S05035	螺钉M5×25	Screw the M5 * 25	2	
15	S05124	螺钉M5×16	Screw the M5 * 16	2	
16	142033003	模组电机	Module, motor	1	
17	10122005	孔塞	plug	1	
18	41837614	机械防撞标贴	Mechanical anti-collision labeling	2	
19	141842001	X传感器安装板	X sensor mounting plate	1	
20	W01001	平垫圈4	Flat washer 4	2	
21	413S13011	螺钉M4×12	Screw the M4 x 12	2	
22	41730851	传感器	The sensor	1	
23	S04076	M3×8	The M3 x 8	1	
24	930000855	拖链支持板(同步带)	Drag chain support plate (synchronous belt)	1	142012185
25	421S13012	螺钉M4×8	Screw the M4 x 8	2	
26	142011014	Y向拖链	Y-direction drag chain	1	
27	421S13035	M4×8	The M4 x 8	2	
28	S02032	螺钉M3×6(镀镍)	Screw M3x6(Nickel plating)	4	
29	141812035	储油脂盒安装板(长)	Grease box mounting plate (length)	1	
30	421S13003	螺栓M4×8	Bolt the M4 x 8	2	
31	S04125	十字槽盘头螺钉M4/50	Cross grooved disc head screw M4/50	1	
32	N01024	六角螺母M4	Hexagon nut M4	1	
33	S04076	螺钉M3X8	Screw M3X8	4	
34	41812145	储油脂盒盖板	Grease box cover plate	1	
35	41842042	活芯子	The live core	1	
36	41822016	O型圈17×2.65	17 * 2.65 o-rings	2	
37	41842041	Y丝杠储油脂盒	Y lead screw grease box	1	
38	41836011	铜卡套式直通油管接头M6	Copper clamped through tubing connector M6	1	
39	141822015	组合垫片	Composite gasket	1	
40	S04038	螺钉M6×10	Screw M6 x 10	1	
41	141801052	丝杆送料联接座	Screw feed coupling seat	2	
42	41728033	垫片M6	Gasket M6	4	
43	S05111	螺栓M6×16	Bolt M6 x 16	4	
44	417S30034	螺栓M4×14(带垫圈)	Bolt M4x14(with washer)	8	
45	N01001	六角螺母M4	Hexagon nut M4	2	
46	S05119	螺钉M4×20	Screw the M4 x 20	1	
47	141812169	横梁调节板	Beam regulating plate	1	
48	S05133	螺钉M4×12	Screw the M4 x 12	1	
49	141912151	拖链支架	Drag chain bracket	1	
50	417S30302	螺钉M4×12	Screw the M4 x 12	4	
51	417S30302	螺钉M4×12	Screw the M4 x 12	2	
52	407N01002	自锁螺母	self-locking nut	2	

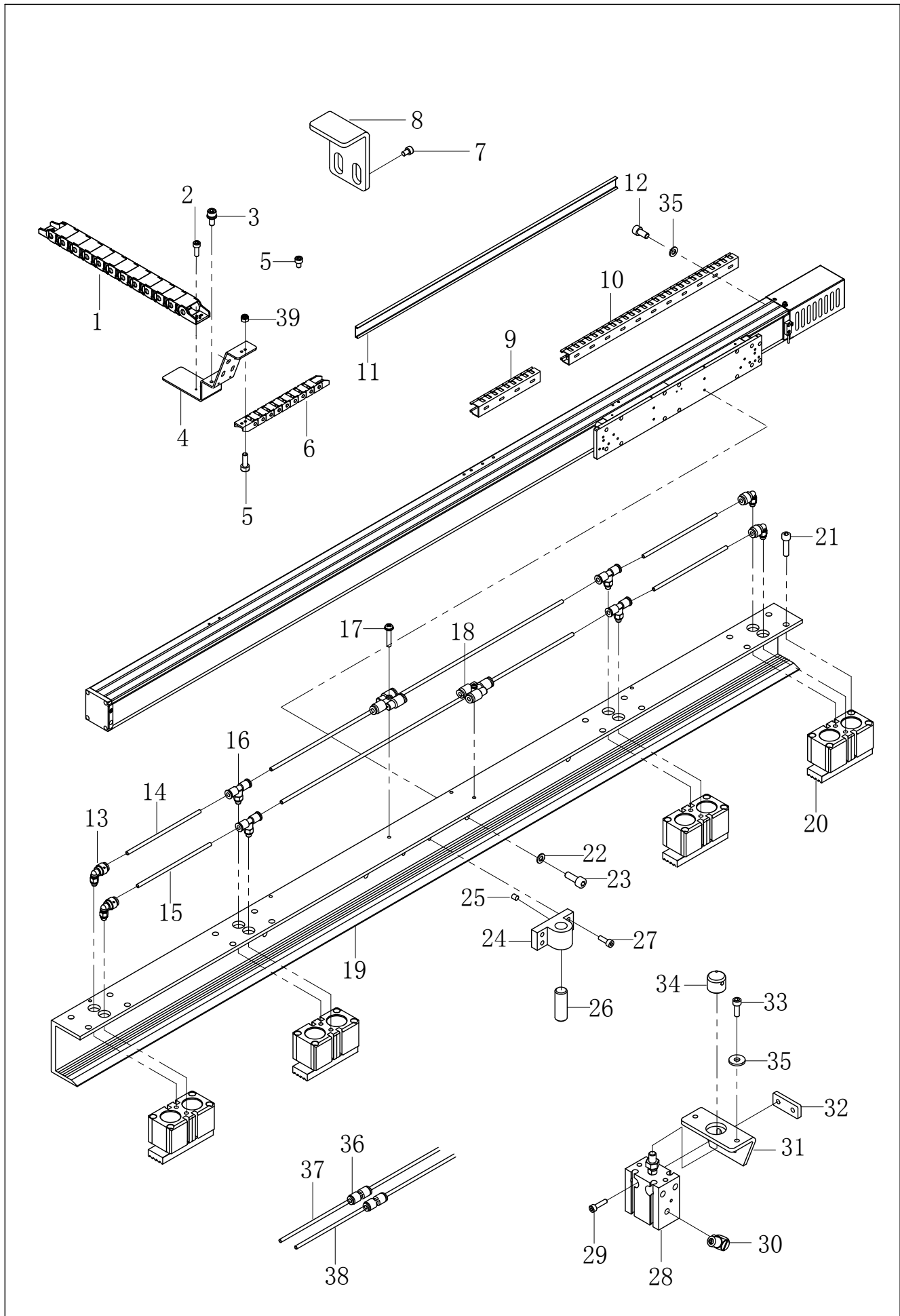
# N3、Y送料装置 / Y Feed mechanism



### N3、Y送料装置/ Y Feed mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	41801044	Y丝杆同步带驱动座	Y lead synchronous belt drive seat	1	
2	4181202900	Y传感器板组件	Y sensor board assembly	1	
3	S05133	螺钉M4×12	Screw the M4 x 12	2	
4	41801041	Y丝杆固定端轴承座组件	Y-screw fixed end bearing assembly	1	
5	4180301200	梅花联轴器组件	Plum coupler assembly	1	
6	142001016	Y丝杆电机座	Y lead motor seat	1	
7	142033006	Y伺服电机	Y servo motor	1	
8	S05124	螺栓M5×16	Bolt M5 x 16	4	
9	S05074	螺栓M8×20	Bolt M8 x 20	8	
10	41826224	销子8×25	Pin 8 x 25	2	
11	H05031	挡圈E6	Retaining ring E6	2	
12	S05139	螺栓M8×55	Bolt M8 x 55	4	
13	417S30025	螺栓M4×10DB	Bolt the M4 x 10 db	1	
14	417S30025	螺栓(带垫圈)M4×10DB	Bolt (with washer)M4x10DB	2	
15	12912326	管夹	Pipe clamp	1	
16	41812667	油管支架	Tubing stent	1	
17	41826011	圆柱销6×15	The cylindrical pin 6 x 15	1	
18	S05123	螺钉5×12	Screw 5 x 12	16	
19	41808011	挡圈	Retaining ring	1	
20	41801042	Y丝杆支撑端轴承座	Y lead rod support end bearing block	1	
21	141801015	Y丝杆前支撑座	Front support for Y lead rod	1	
22	S05133	螺钉M4×12	Screw the M4 x 12	1	
23	S05040	螺栓M6×16	Bolt M6 x 16	4	
24	B01033	轴承6203	Bearing 6203	1	
25	141821006	油管	The tubing	1	
26	41836011	铜卡套式直通油管接头M6	Copper clamped through tubing connector M6	1	
27	421S13059	螺栓M5×20	Bolt the M5 * 20	4	
28	141924001	Y丝杆组件	Y lead component	1	
29	N01021	M6螺母	M6 nut	8	
30	141822009	橡胶头螺钉M6×65	Rubber head screw M6x65	4	
31	S05124	螺栓M5×16	Bolt the M5 * 16	22	
32	142024001	Y导轨	Y guide	2	
33	417S30036	螺钉M5×12	Screw the M5 * 12	8	
34	142012057	Y前限位板	Y front limit plate	2	
35	41812028	Y限位板B	Y limit plate B	2	
36	41812023	Y传感器安装板X	Y sensor mounting plate X	1	
37	417S30302	M4×12	The M4 x 12	2	
38	421S10005	螺栓M3×6	Bolt M3 * 6	1	
39	41730851	传感器	The sensor	1	
40	141912250	模组调节板		1	
41	S05085	螺钉6×15	Screw 6 x 15	2	

# N4、压紧夹具装置(S) / Clamping fixture mechanism (S)

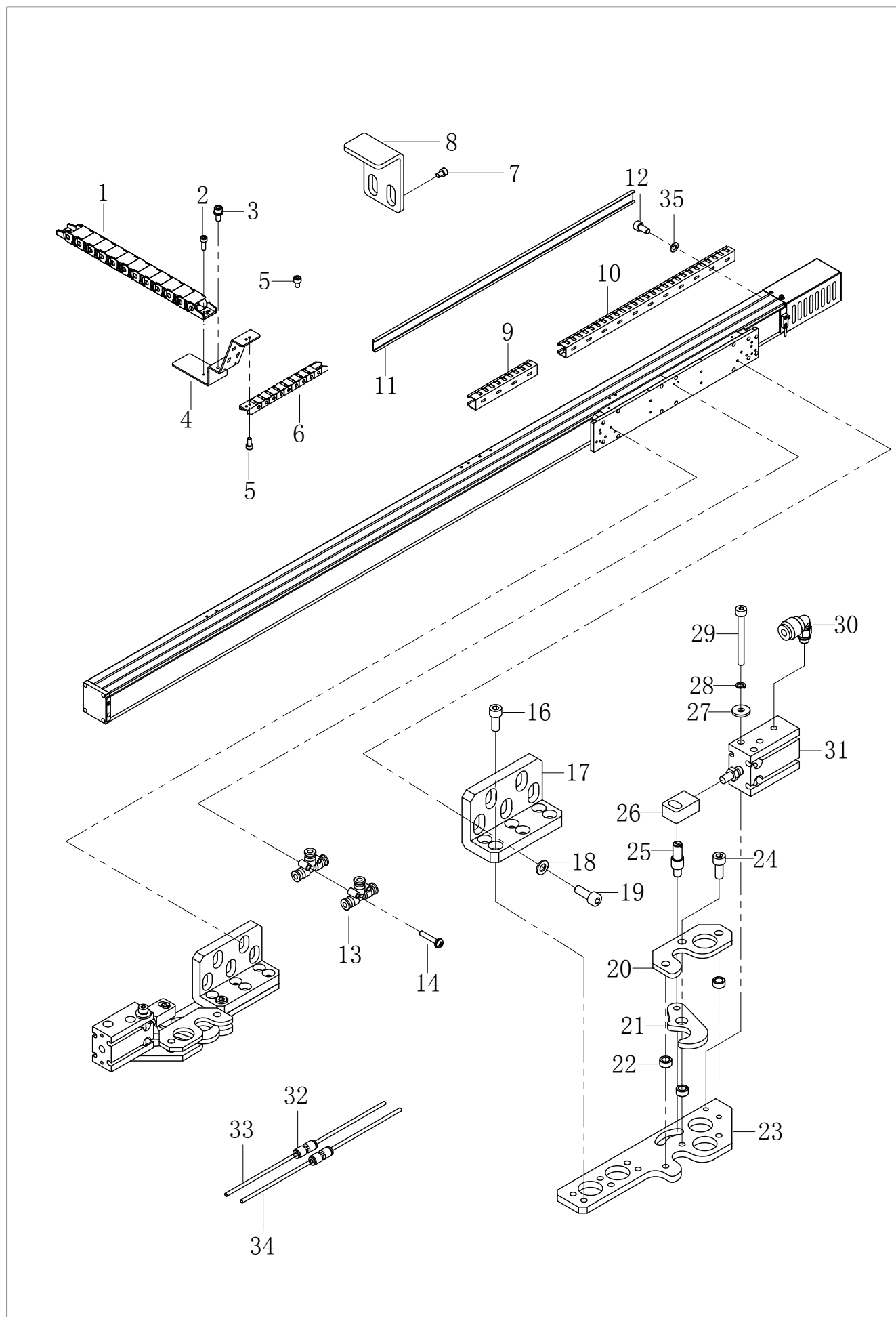




N4、压紧夹具装置(S) / Clamping fixture mechanism (S)

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	142011014	Y向拖链		1	
2	421S13003	螺钉M4×8	screw M4×8	2	
3	417S30036	螺钉M5×12	screw M5×12	2	
4	930000569	Y拖链支架C		1	
5	421S13003	螺钉M4×8	screw M4×8	2	
6	141811001	小拖链		1	
7	421S13035	螺钉M4×8	Screw M4×8	4	
8	142012183	丝杆拖链挡板	Drag chain bracket	1	
9	141811018	线槽3030L200	Wire slot3030L200	1	
10	141811017	线槽3030L550	Wire slot 3030L550	1	
11	141811019	线槽盖30L845	Trunk cover30L845	1	
12	S05115	螺钉M4×6	Screw M4×6	5	
13	42536004	气管接头	PIPE JOINTS	2	
14	41845223	气管φ4×2.5透明蓝	tube φ4×2.5 transparent blue	1	
15	41845224	气管φ4×2.5黑色	tube φ4×2.5 black	1	
16	42536003	气管接头	tube joint	4	
17	417S30023	螺钉M3×16	Screw M3×16	2	
18	40736036	气管接头(三通)	tube joint	2	
19	142042021	压框架	Pressure frame	1	
20	4254500400	气缸	air cylinder	4	
21	S05124	螺钉M5×16	screw M5×16	16	
22	41728028	垫圈5	washer 5	8	
23	S05123	螺钉M5×12	screw M4×12	8	
24	42512028	限位支座	Limit bearing	1	
25	S09019	螺钉M5×5	screw M5×5	1	
26	42526008	限位销	Limit pin	1	
27	417S30034	螺钉M4×14	screw M4×14	4	
28	142045005	气缸MSD16×5	Air cylinder MSD16×5	2	
29	S05119	螺钉M4×20	Screw M4×20	4	
30	42230519	微型接头M-5HLH-4	Mini connector M-5HLH-4	2	
31	141812199	顶模板气缸安装板	Top template cylinder mounting plate	2	
32	141812196	螺纹板	Threaded plate	2	
33	S05118	螺钉M4×16	Screw M4×16	4	
34	41842038	顶柱	Rod	2	
35	W01001	垫片	Gasket	9	
36	41836501	管接头PU4	Weasand connector PU4	2	
37	41845223	气管φ4×2.5透明蓝	tube φ4×2.5 transparent blue	1.2	
38	41845224	气管φ4×2.5黑色	tube φ4×2.5 black	1.2	
39	407N01002	自锁螺母		4	

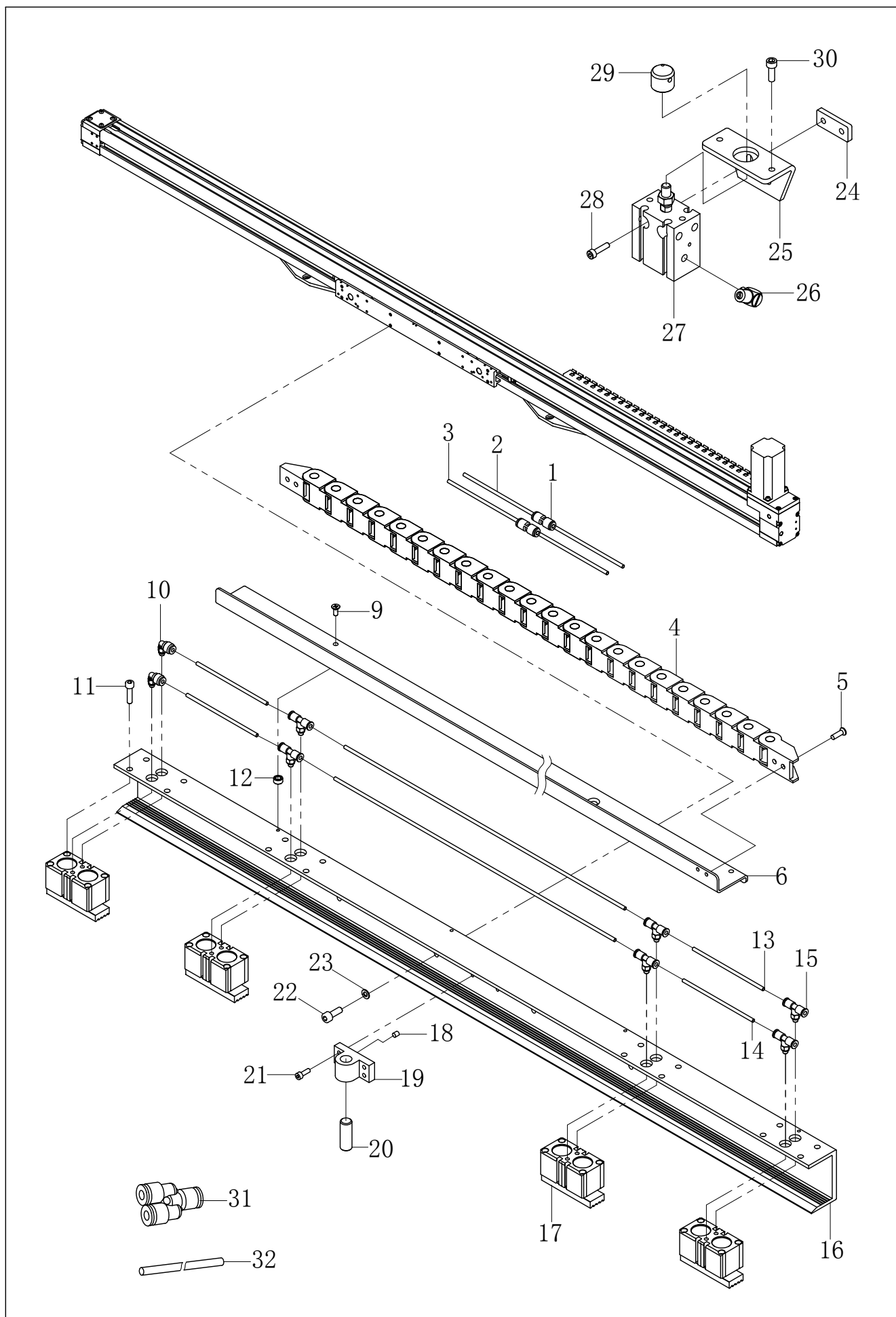
# N5、夹扣夹具装置(S) / Clamping fixture mechanism (S)



N5、夹扣夹具装置(S) / Clamping fixture mechanism (S)

序号 No.	件号 Part.No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	142011014	Y向拖链		1	
2	421S13003	螺钉M4×8	screw M4×8	2	
3	417S30036	螺钉M5×12	screw M5×12	2	
4	930000569	Y拖链支架C		1	
5	421S13003	螺钉M4×8	screw M4×8	2	
6	141811001	小拖链		1	
7	421S13035	螺钉M4×8	Screw M4×8	4	
8	142012183	丝杆拖链挡板	Drag chain bracket	1	
9	141811018	线槽3030L200	Wire slot3030L200	1	
10	141811017	线槽3030L550	Wire slot 3030L550	1	
11	141811019	线槽盖30L845	Trunk cover30L845	1	
12	S05115	螺钉(带垫圈)M4×10	Screw M4×10	5	
13	141845002	气管接头(三通)	Trachea joint	2	
14	407S04053	螺钉M3×25	Screw M3×25	2	
16	S05121	螺钉M5×10	Bolt M5×10	12	
17	41842218	夹具连接板B	Clamp Connection plate B	2	
18	W01009	垫圈5	Washer	8	
19	S05124	螺钉M5×16	Bolt M5×16	8	
20	42212607	夹紧杆挡板	Press bar Baffle	2	
21	42212813	夹紧杆	Press bar	2	
22	42228811	转动垫圈	Moving washer	6	
23	42212538	夹具安装板L	Clamp Installation board L	2	
24	S05123	螺钉M5×12	Bolt M5×12	6	
25	42226811	接头销	Pin	2	
26	401727	接头	Connector	2	
27	42128003	垫圈	Washer	4	
28	W02008	弹簧垫圈2-4	Spring Washer	4	
29	S05065	螺钉M4×40	Screw M4×40	4	
30	42536004	气管接头	Weasand connector	4	
31	41730441	气缸CU16-15D	Cylinder CU16-15D	2	
32	41836501	管接头PU4	Weasand connector PU4	2	
33	41845224	气管φ4×2.5黑色	Black weasand φ4×2.5	2.2	
34	41845223	气管φ4×2.5透明蓝	Blue weasand φ4×2.5	2.2	
35	W01001	垫片	Gasket	5	

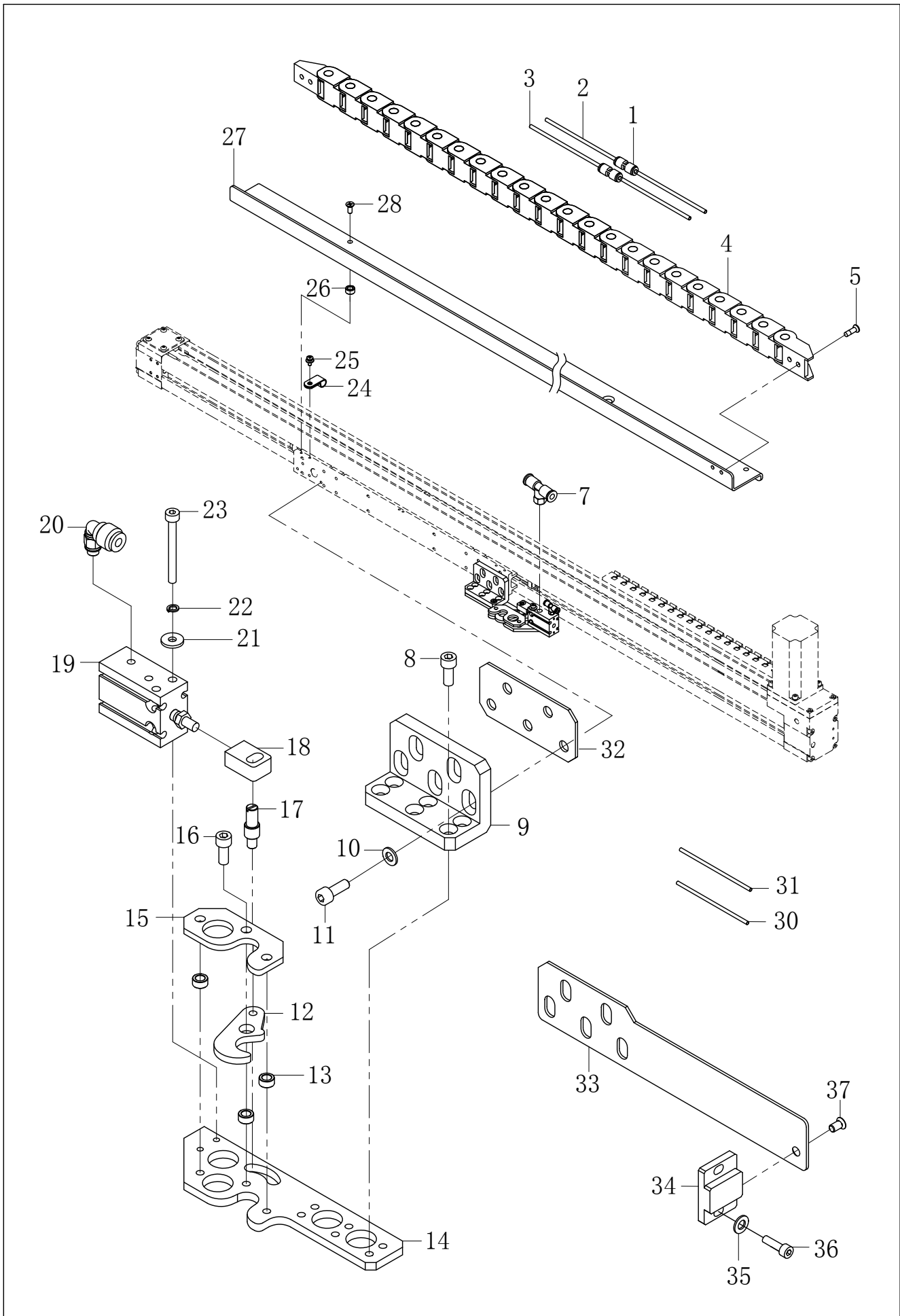
# N6、压紧夹具装置(T) / Clamping fixture mechanism (T)



N6、压紧夹具装置(T)/ Clamping fixture mechanism (T)

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	41836501	管接头PU4	Pipe joint PU4	2	
2	41845223	气管 φ4×2.5透明蓝	Trachea 4x2.5 transparent blue	1.2	
3	41845224	气管 φ4×2.5黑色	Trachea 4x2.5 black	1.2	
4	141811001	小坦克链	A small tank chain	1	
5	421S13003	沉头螺钉M3×10	Countersunk head screw M3x10	4	
6	142012184	同步带拖链挡板		1	
9	407S17001	沉头螺钉M4×10	Countersunk head screw M4 x 10	4	
10	42536004	气管接头	Tracheal joint	2	
11	S05124	螺钉M5×16	Screw the M5 * 16	16	
12	41842510	夹扣专用垫块		4	
13	41845223	气管 φ4×2.5透明蓝	Trachea 4x2.5 transparent blue	1	
14	41845224	气管 φ4×2.5黑色	Trachea 4x2.5 black	1	
15	42536003	气管接头	Tracheal joint	6	
16	142042021	压框架L	Pressure framework	1	
17	4254500400	气缸	cylinder	4	
18	S09019	螺钉M5×5	Screw the M5 x5	1	
19	42512028	限位支座	Limit bearing	1	
20	42526008	限位销	Limit pin	1	
21	417S30034	螺钉M4×12	Screw the M4 x 12	4	
22	S05124	螺钉M5×16	Screw the M5 * 16	8	
23	41728028	垫圈5	Washer 5	8	
24	141812196	螺纹板	Thread plate	2	
25	141812199	顶模板气缸安装板	Top formwork cylinder mounting plate	2	
26	42230519	微型接头M-5HLH-4	Miniature connector M-5HLH-4	2	
27	142045005	气缸	cylinder	2	
28	S05119	螺栓M4×20	Bolt the M4 x 20	4	
29	41842038	顶柱	needle	2	
30	S05118	螺钉M4×16	Screw the M4 x 16	4	
31	40736036	气管接头APY4(Y型三通)	Air pipe connector APY4(Y-type tee)	2	
32	41845223	气管 φ4×2.5透明蓝	Trachea 4x2.5 transparent blue	5.8	

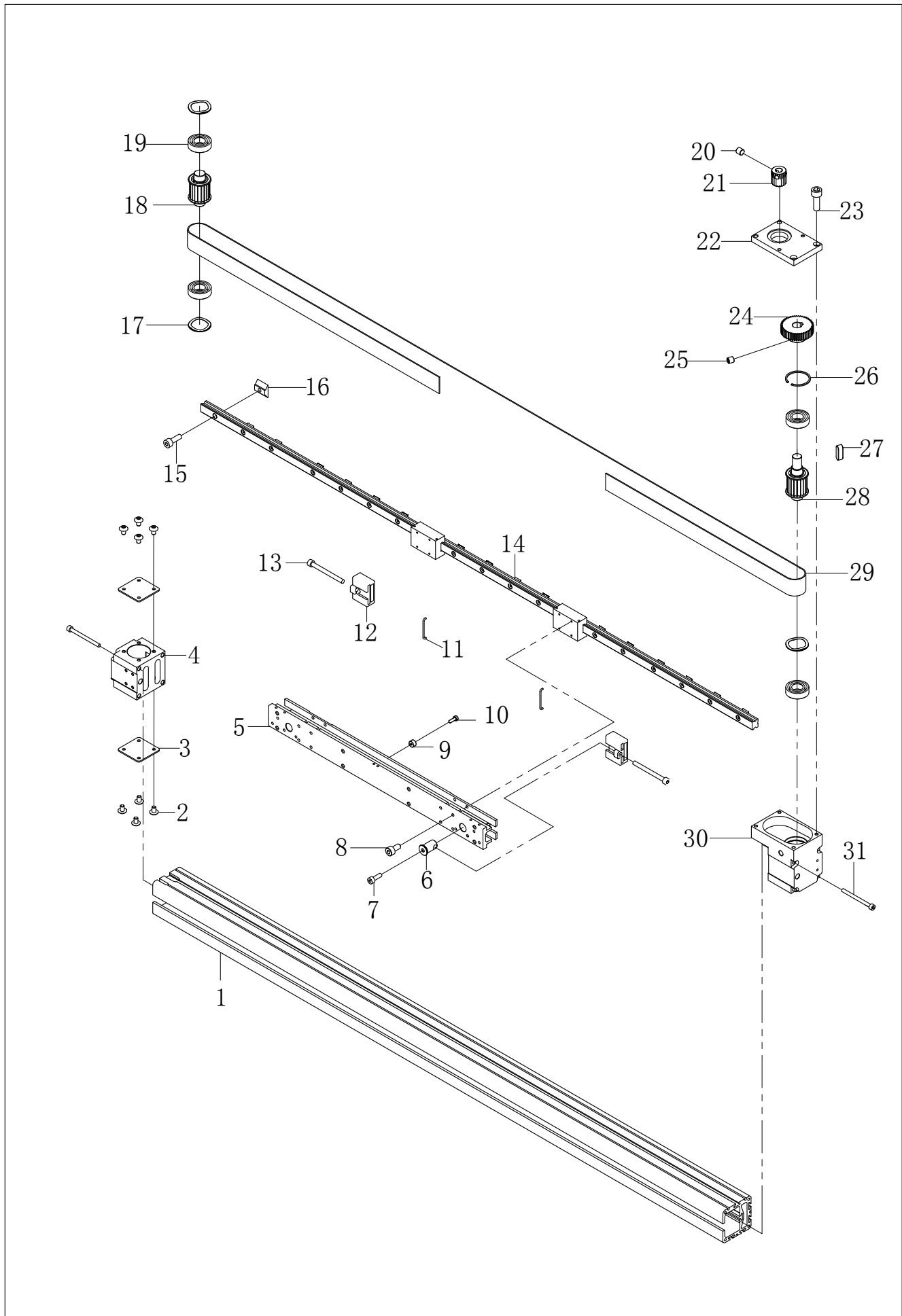
# N7、夹扣夹具装置 (T) / Clamping fixture mechanism (T)



### N7、夹扣夹具装置 (T) / Clamping fixture mechanism (T)

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	41836501	管接头PU4	Pipe joint PU4	2	
2	41845223	气管 $\phi 4 \times 2.5$ 透明蓝	Trachea 4x2.5 transparent blue	1.2	
3	41845224	气管 $\phi 4 \times 2.5$ 黑色	Trachea 4x2.5 black	1.2	
4	141811001	小坦克链	A small tank chain	1	
5	421S13003	沉头螺钉 $M3 \times 10$	Countersunk head screw M3x10	4	
7	42536003	气管接头	Tracheal joint	2	
8	S05121	螺栓 $M5 \times 10$	Bolt the M5 * 10	12	
9	41842218	夹具连接板B	Fixture connection plate B	2	
10	W01001	垫圈5	Washer 5	8	
11	S05123	螺栓 $M5 \times 12$	Bolt the M5 * 12	8	
12	42212813	夹紧杆	The clamping lever	2	
13	42228811	转动垫圈	Turn the washer	6	
14	42212538	夹具安装板L	Fixture mounting plate L	2	
15	42212607	夹紧杆挡板	Clamp lever baffle	2	
16	S05123	螺栓 $M5 \times 12$	Bolt the M5 * 12	6	
17	42226811	接头销	The joint pin	2	
18	401727	接头	joint	2	
19	41730441	气缸CU16-15D	Cylinder CU16-15 d	2	
20	42536004	气管接头	Tracheal joint	2	
21	42128003	垫圈	The gasket	4	
22	W02008	弹簧垫圈2-4	Spring washer 2-4	4	
23	S05065	螺钉 $M4 \times 40$	Screw the M4 x 40	4	
24	41711014	电线夹6.4	Wire clip 6.4	3	
25	417S30025	螺栓(带垫圈) $M4 \times 10$	Bolt (with washer) M4 x 10	3	
26	41842510	夹扣专用垫块	Special pad for clamp	3	
27	142012184	同步带拖链挡板		1	
28	407S04001	沉头螺钉 $M4 \times 16$	Countersunk head screw M4x16	3	
30	41845224	气管 $\phi 4 \times 2.5$ 黑色	Trachea 4x2.5 black	1	
31	41845223	气管 $\phi 4 \times 2.5$ 透明蓝	Trachea 4x2.5 transparent blue	1	
32	141812049	垫板	plate	1	
33	141812048	夹扣感应片	Clip sensor	1	
34	141842007	支撑座	brackets	1	
35	42128003	垫圈	The gasket	2	
36	421S13035	螺钉 $M4 \times 8$	Screw M4 x 8	2	
37	S02039	螺钉 $M4 \times 9$	Screw M4 x 9	1	

# N8、X同步带装置(T) / X Feed mechanism (T)

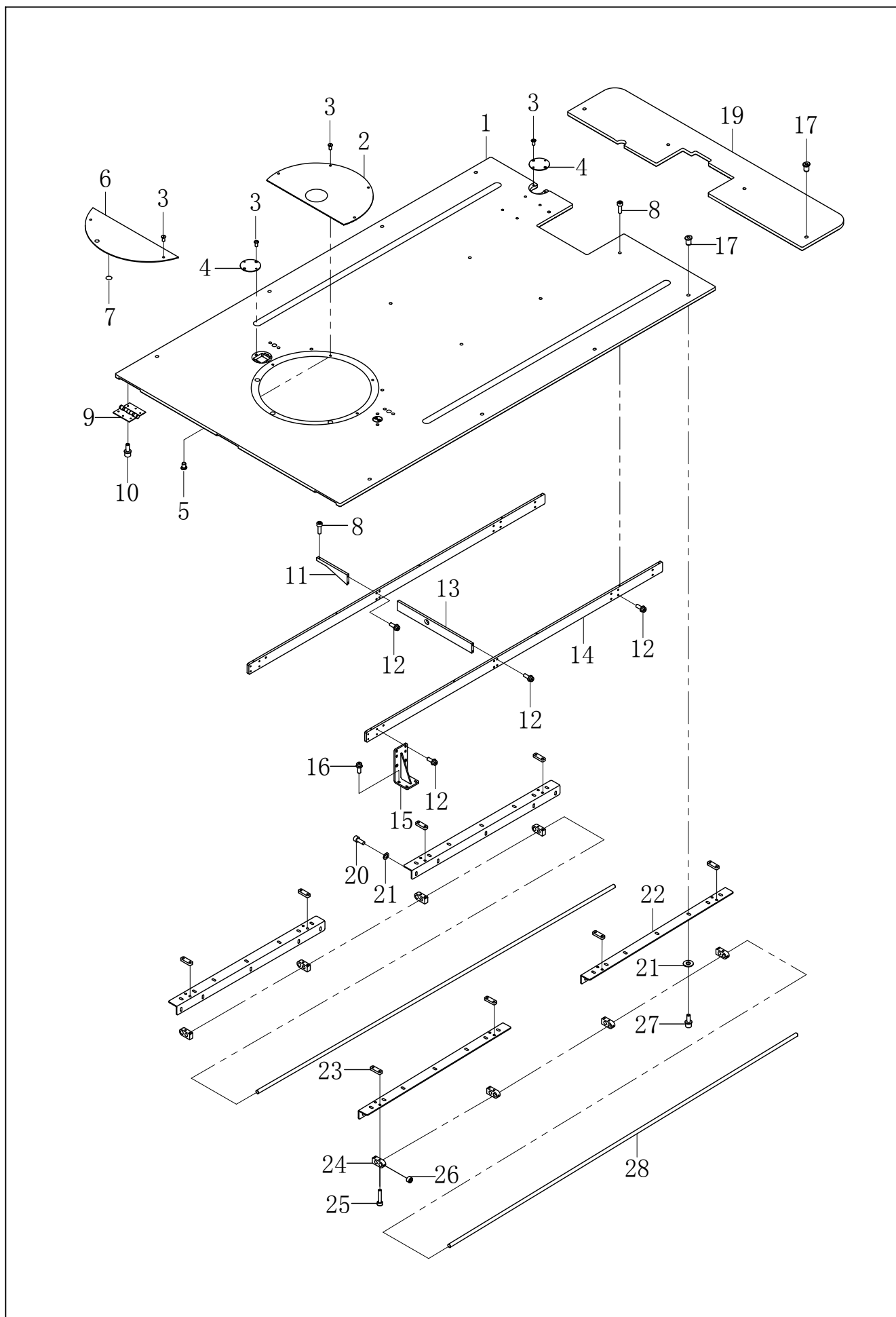




### N8、X同步带装置(T)/ X Feed mechanism (T)

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	41842500	横梁	Beam	1	
2	S17013	螺钉M4×6	Screw M4×6	12	
3	42512019	齿轮箱盖板	Gear box cover plate	3	
4	42501008	X同步带被动轮箱	X Synchronizing wheel box	1	
5	41842501	压框连接板	Press frame Connecting	1	
6	42526010	同步带拉紧销	Synchoronus belt pin	2	
7	S05010	螺钉M4×12	Screw M4×12	2	
8	S05116	螺钉M4×8	Screw M4×8	8	
9	42547003	X感应磁铁	Magnet	1	
10	S05059	螺钉M4×12	Screw M4×12	1	
11	42526011	同步带销	Synchoronus belt pin	2	
12	42512020	同步带扣	Synchoronus belt clasp	2	
13	S05152	螺钉M6×65	Screw M6×65	2	
14	41824500	X导轨	X Guide	1	
15	S05058	螺钉M4×10	Screw M4×10	31	
16	425S10001	方形螺母块	Square nut block	31	
17	W03008	波形垫圈	Wave washer	3	
18	4253500700	主动带轮组件	Driving Synchronizing wheel	1	
19	B01010	轴承6003	Bearing 6003	4	
20	409S14001	紧定螺钉SM1/4×40×6	Screw SM1/4×40×6	3	
21	42525004	驱动齿轮	Driving gear	1	
22	42512023	轴承端盖	Bearing cover plate	1	
23	S05034	螺钉M5×15	Screw M5×15	2	
24	42525005	被动齿轮	Passive gear	1	
25	409S14001	紧定螺钉SM1/4×40×6	Screw SM1/4×40×6	2	
26	42529001	齿轮箱孔用挡圈	Washer	1	
27	K01006	键5×5×16	Key 5×5×16	1	
28	4253500900	X同步带被动组件	X Synchronizing wheel box	1	
29	41835500	X轴同步带	X Synchronizing	1	
30	42501007	齿轮箱	Gear box	1	
31	701S13045	螺钉M5×60	Screw M5×60	8	

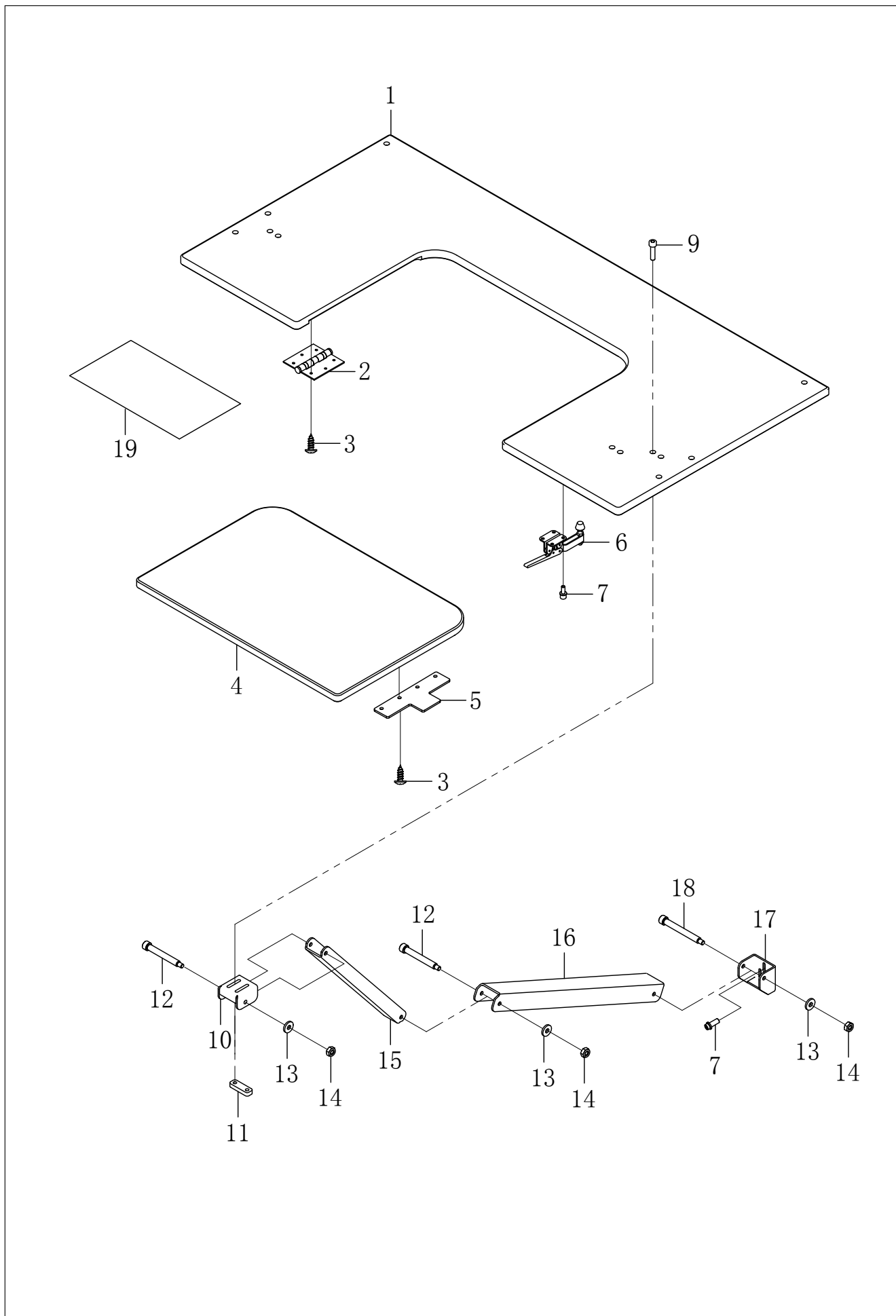
# 01、主台面部分/ Machine body(Table structure)



01、主台面部分/ Machine body(Table structure)

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	141932115	主台面	Master surface	1	
2	141911005	旋梭后盖板	Shuttle back cover	1	
3	S02039	螺钉M4×9	Screw the M4 x 9	12	
4	141932044	圆形盖板	Circular plate	2	
5	142026004	滚花螺纹套M4	Knurled thread sleeve M4	10	
6	141911006	旋梭前盖板	Shuttle front cover plate	1	
7	915624	磁铁15×1	The magnet 15 x 1	6	
8	S05124	螺钉M5×16	Screw the M5 * 16	12	
9	142031002	合页A	Hinge A	3	
10	417S30036	螺钉(带垫圈)M5×12	Screw (with washer)M5 x 12	12	
11	930000413	肋板	floor	2	142012087
12	417S30306	螺钉(带垫圈)M5×15	Screw (with washer)M5 x 15	32	
13	930000513	托板联接板B	Supporting plate coupling B	1	141912193
14	930000302	台面中托板	Mesa support plate	2	142012015
15	930000301	台面托板支架组件	Table plate bracket assembly	2	14201201300
16	417S30306	螺钉(带垫圈)M5×15	Screw (with washer)M5 x 15	8	
17	142026005	滚花螺纹套M5	Knurled thread sleeve M5	14	
19	141932063	后台面	Back table	1	
20	S05123	螺钉M5×12	Screw the M5 * 12	20	
21	41828611	平垫圈M5	Flat washer M5	30	
22	930000303	台面左右支撑板	Mesa left and right support plate	4	142012022
23	142012031	螺纹板M5	The M5 threaded board	8	
24	142001007	滑杆轴支座	Slide shaft support	8	
25	S05035	螺钉M5×25	Screw the M5 * 25	16	
26	S09041	螺钉M6×5	Screw M6 x 5	16	
27	S05026	螺钉M5×20	Screw the M5 * 20	26	
28	142002008	滑杆轴	Slide bar shaft	2	

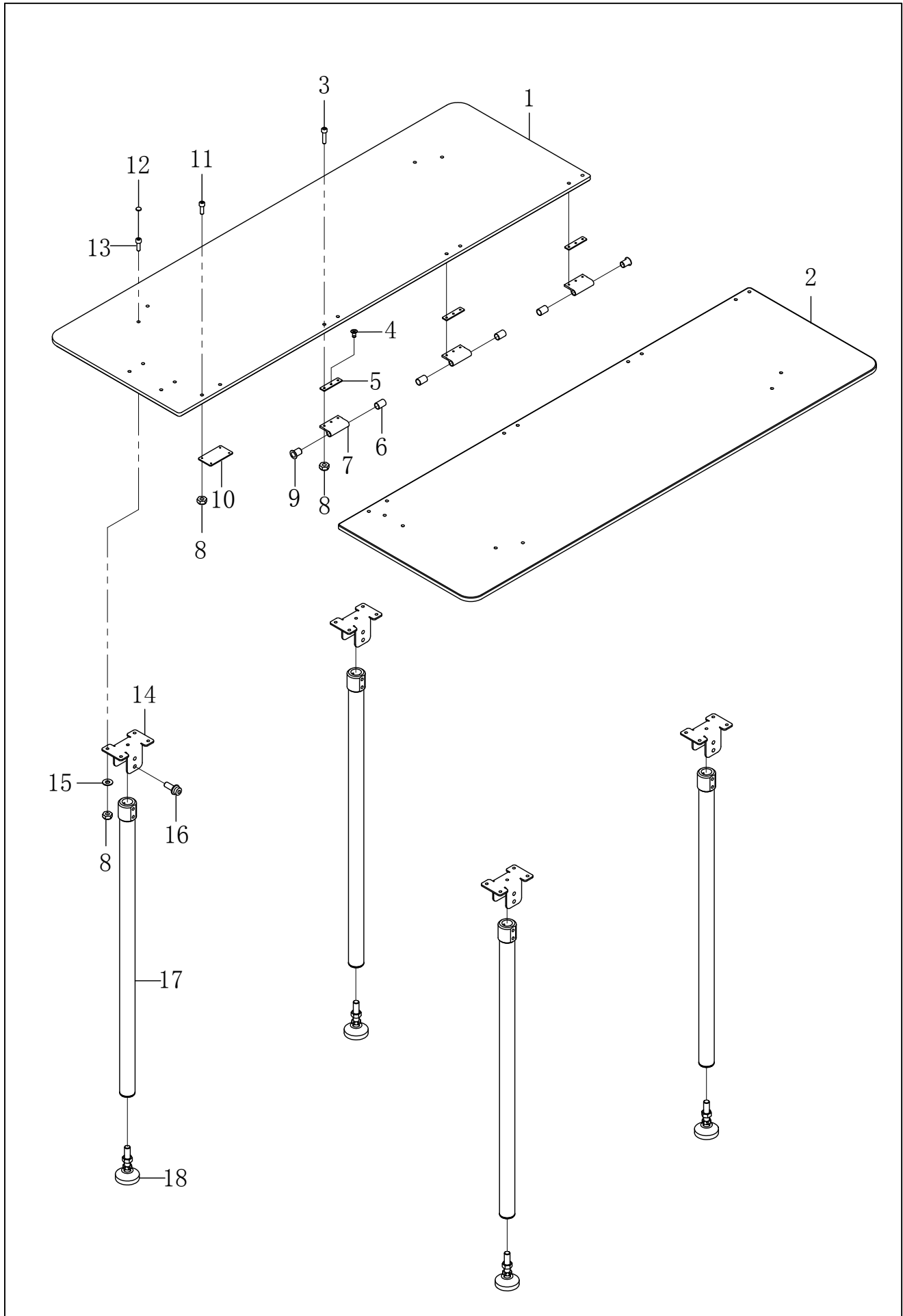
## 02、前台面部分 / Front table mechanism



02、前台面部分 / Front table mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	142032002	前辅助台面	Front auxiliary mesa	1	
2	142031002	合页A	Hinge A.	2	
3	S16022	螺钉ST5×14	Screw ST5×14	16	
4	142032003	开合台面	Retractable table	1	
5	142012128	开合台面限位板	Limit plate of Retractable table	1	
6	42231512	压紧夹具	Clamping fixture	1	
7	417S30036	螺钉(带垫圈)M5×12	Screw (with washer)M5 x 12	12	
9	S05026	螺钉M5×20	Screw the M5 * 20	6	
10	930000306	折叠杆支架B	Folding rod bracket B	2	142012019
11	142012031	螺纹板M5	The M5 thread board	3	
12	1420NS20003	轴位螺钉M5B	Shaft screw M5B	4	
13	41728028	垫圈5	Washer 5	6	
14	407N01001	自锁螺母M5	Self-locking nut M5	6	
15	930000440	折叠杆B	Folding rod B	2	141912147
16	930000439	折叠杆A	A folding stem	2	141912146
17	930000304	折叠杆支架A	Folding rod bracket A	2	142012017
18	1420NS20002	轴位螺钉M5A	Axial screw M5A	2	
19	141937004	开箱调试说明标签	Unpacking debugging instructions label	1	

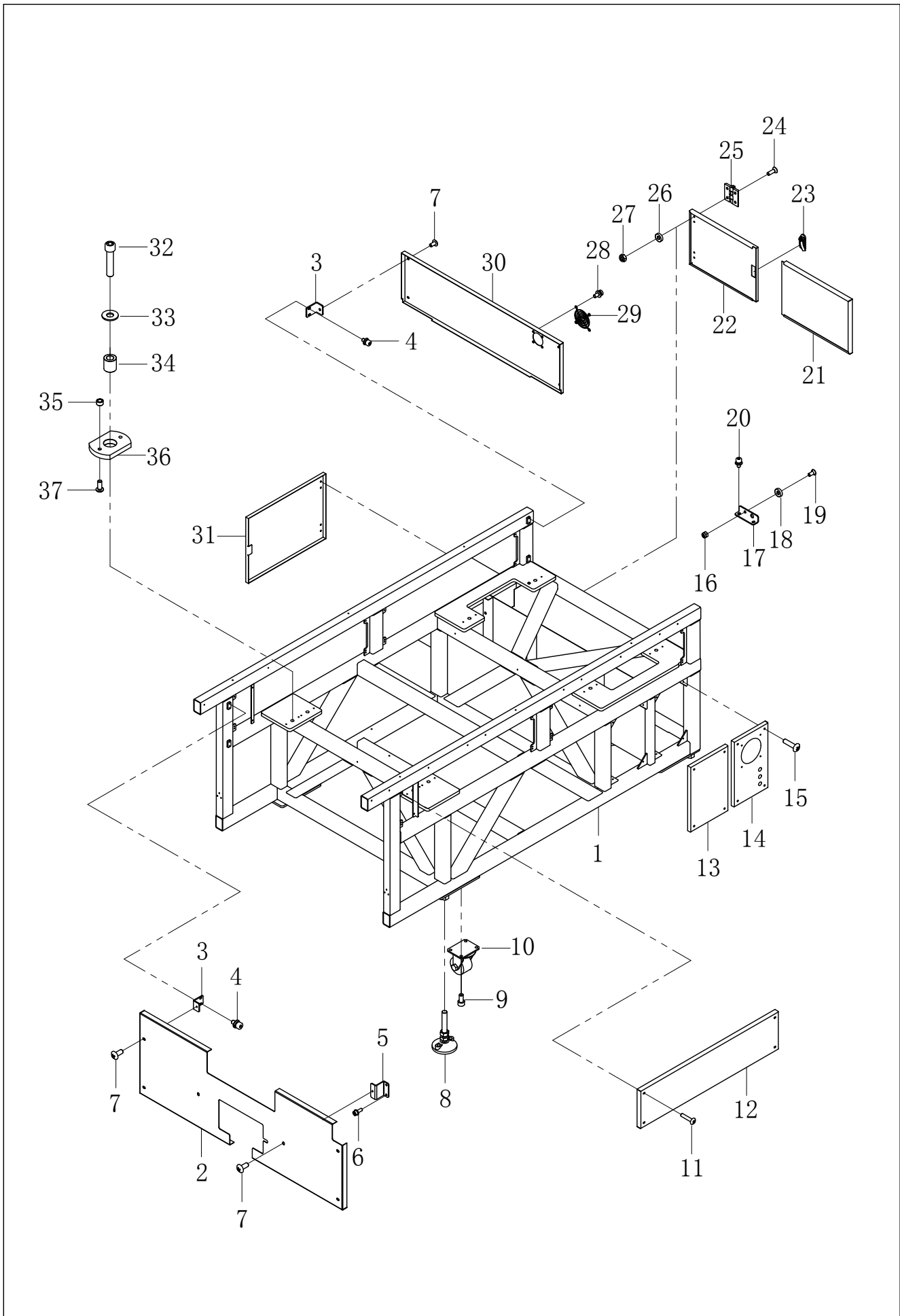
### 03、辅助台面部分 / Auxiliary table mechanism



### 03、辅助台面部分 / Auxiliary table mechanism

序号 No.	件号 Part.No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	141932061	左辅助台面		1	
2	141932062	右辅助台面		1	
3	S05035	螺钉M5×22		12	
4	421S17009	螺钉M5×10		6	
5	142012032	滑动座垫板		6	
6	141803017	滑竿轴套		8	
7	141803007	辅助台面连接轴套		6	
8	407N01001	自锁螺母M5		32	
9	142003016	工程塑料轴套GFM1214-20		4	
10	41812624	左右板拼接板		4	
11	S05035	螺钉M5×22		12	
12	141831010	内六角螺钉M5防尘盖		30	
13	S05026	螺钉M5×20		8	
14	41812080	辅助支撑铰链支架		4	
15	41728028	垫圈5		8	
16	417S30304	螺钉M6×20		8	
17	930000225	支撑柱组件		4	14193200600
18	41832020	脚垫M12		4	

# P1、机架部件/Table mechanism

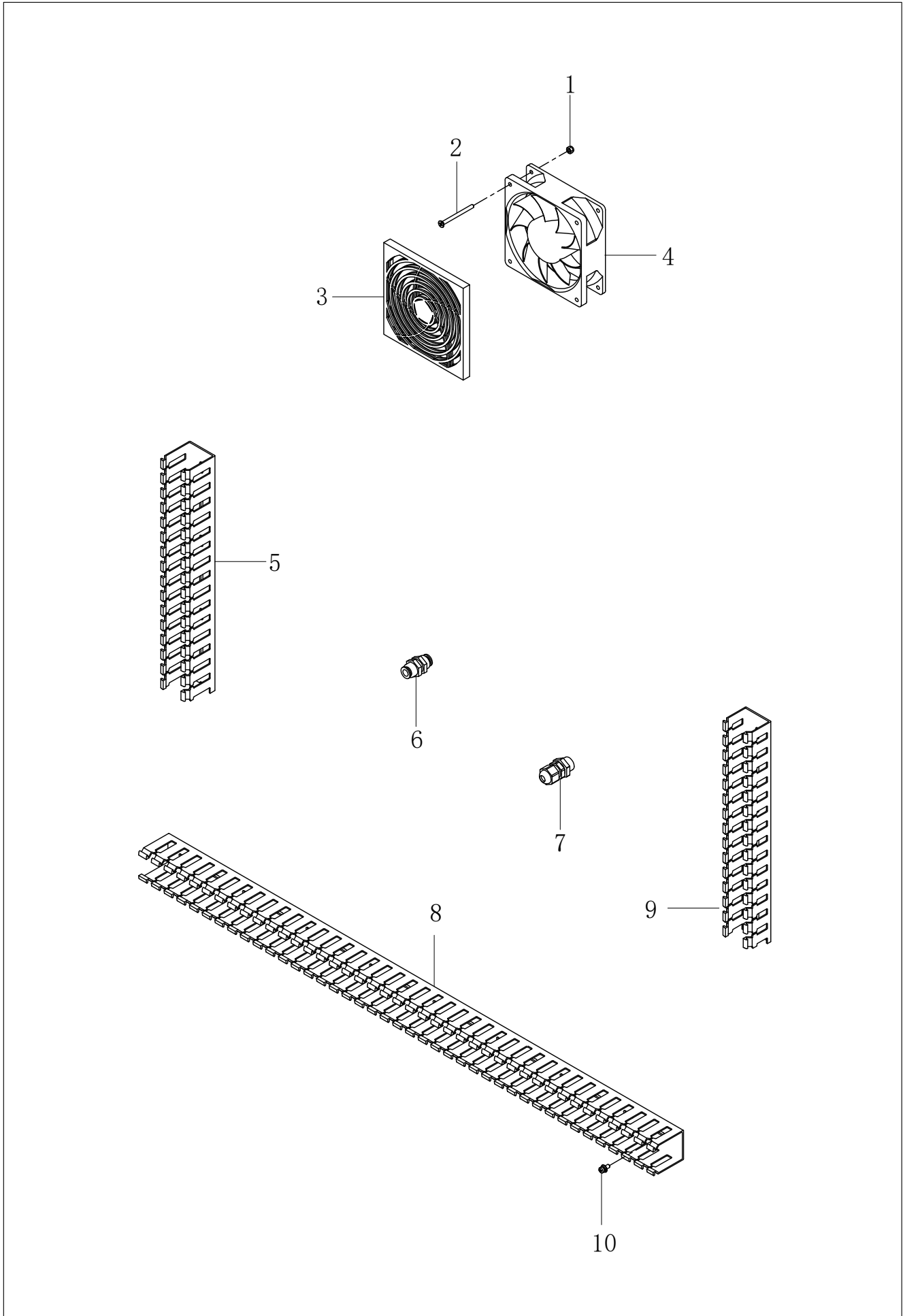




## P1、机架部件/Table mechanism

序号 No.	件号 Part.No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	930000311	机架组件	Rack components	1	14204200100
2	930000818	机架前盖板	Rack front cover plate	1	141912236
3	41812131	机架后盖固定板B	Fixed plate B for rear cover of the rack	8	
4	421S13012	螺钉(带垫圈)M4×10	Screw (with washer)M4 x 10	16	
5	141912169	机架前盖板支架	Frame front cover bracket	2	
6	S05123	螺钉(带垫圈)M5×12	Screw (with washer)M5 x 12	4	
7	1420NS10001	十字大扁头螺钉M5×10	Cross large flat head screw M5 x 10	10	
8	141831042	脚垫M20	Mats M20	4	
9	701S13002	螺钉M8×12	Screw the M8 x 12	16	
10	42232502	脚轮	castor	4	
11	1420NS10003	十字大扁头螺钉M5×25	Cross large flat head screw M5 x 25	16	
12	930000316	机架侧盖	Frame side cover	4	142012037
13	930000321	电控柜左前侧盖	Front left cover of electric control cabinet	1	142012039
14	930000320	电控柜左后侧盖	Rear left side cover of electric control cabinet	1	142012040
15	1420NS10003	十字大扁头螺钉M5×25	Cross large flat head screw M5 x 20	8	
16	407N01002	自锁螺母	Self-locking nut	3	
17	142012041	电控门限位板	Electric control threshold plate	3	
18	142047002	圆磁铁15	Round magnet 15	3	
19	407S17001	螺钉M4×10	Screw M4 x 10	3	
20	421S13012	螺钉(带垫圈)M4×10	Screw (with washer)M4 x 10	6	
21	930000317	电控柜左门	Left door of electric control cabinet	1	142012033
22	930000318	电控柜右门	Right door of electric control cabinet	1	142012034
23	41831014	电控柜锁	Electric control cabinet lock	1	
24	417S17852	螺钉M5×15	Screw the M5 x 15	24	
25	41831016	电控柜合页	Electronic control cabinet hinge	6	
26	41728028	垫圈5	Washer 5	12	
27	407N01001	自锁螺母M5	Self-locking nut M5	12	
28	417S30025	螺钉(带垫圈)M4×10DB	Screw (with washer)M4x10DB	4	
29	41831013	风扇网罩	Fan net	1	
30	304219	机架后盖组件	Rack rear cover assembly	1	
31	930000319	电控柜右侧门	Door on the right side of the electric control cabinet	1	142012038
32	S05993	螺钉M16×55	Screw the M16 x 55	6	
33	41828013	大垫圈	The big washer	6	
34	142003018	定位套	Locating sleeve	6	
35	41803019	管套	Pipe sleeve	12	
36	41822014	减振橡胶垫	Vibration damping rubber pad	6	
37	417S13301	螺钉M5×12	Screw M5 * 12	12	

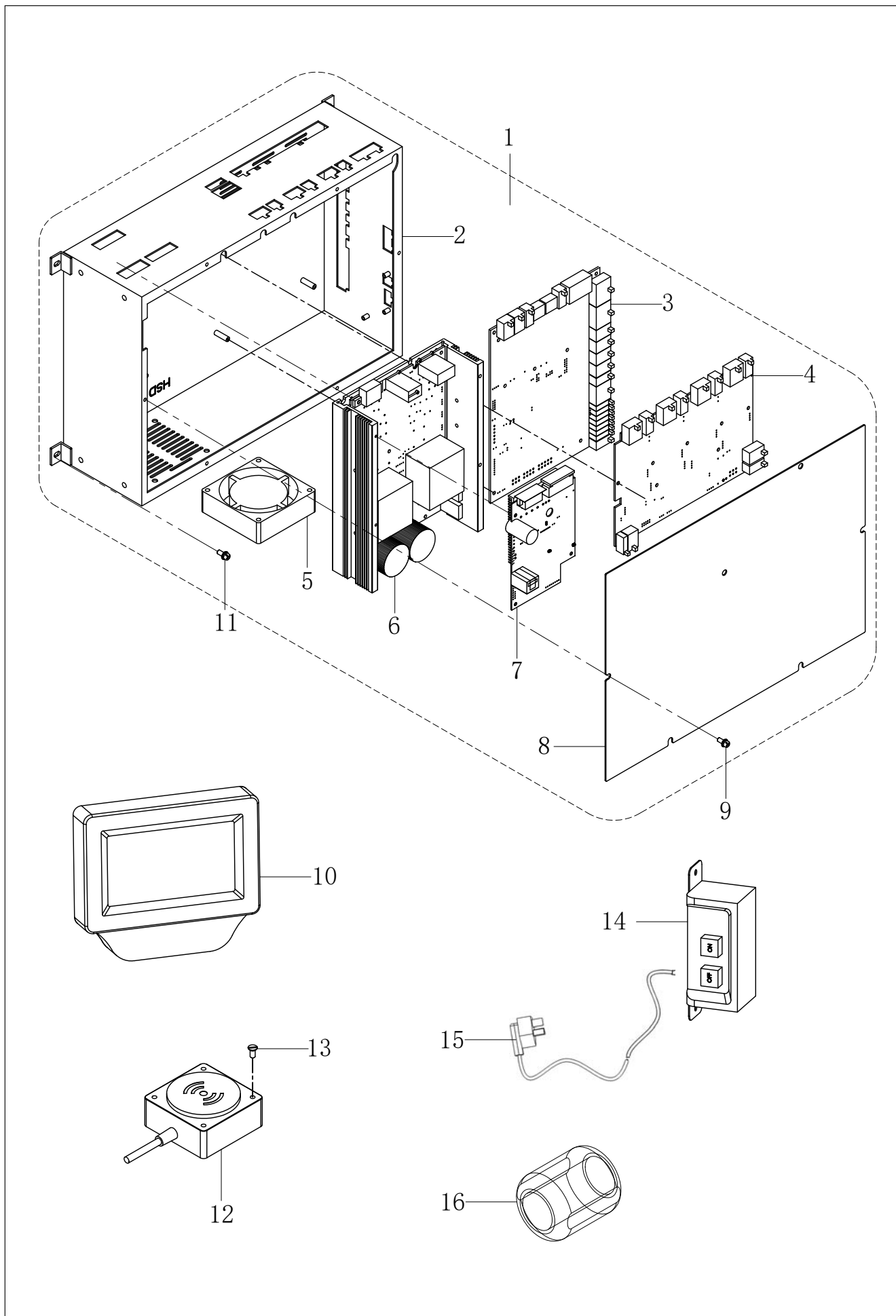
## P2、电控柜装置/ Electric control box mechanism



P2、电控柜装置/ Electric control box mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	407N01002	自锁螺母	self-locking nut	4	
2	S02117	十字槽沉头螺钉 M4×50	Cross grooved countersunk head screw M4 x 50	4	
3	41811013	风扇防尘网罩组件	Fan dust cover assembly	1	
4	41830012	风扇	fan	1	
5	142011008	线槽5040-320	Trough. 5040-320	1	
6	41845022	气管接头穿板直通PM8	The air pipe joint goes through PM8	1	
7	41811215	出线口	outlet	1	
8	142011009	线槽5040-750	Trough. 5040-750	1	
9	142011005	线槽4040-300	Trough. 4040-300	1	
10	417S30025	螺栓(带垫圈)M4×10	Bolt (with washer)M4×10DB	9	

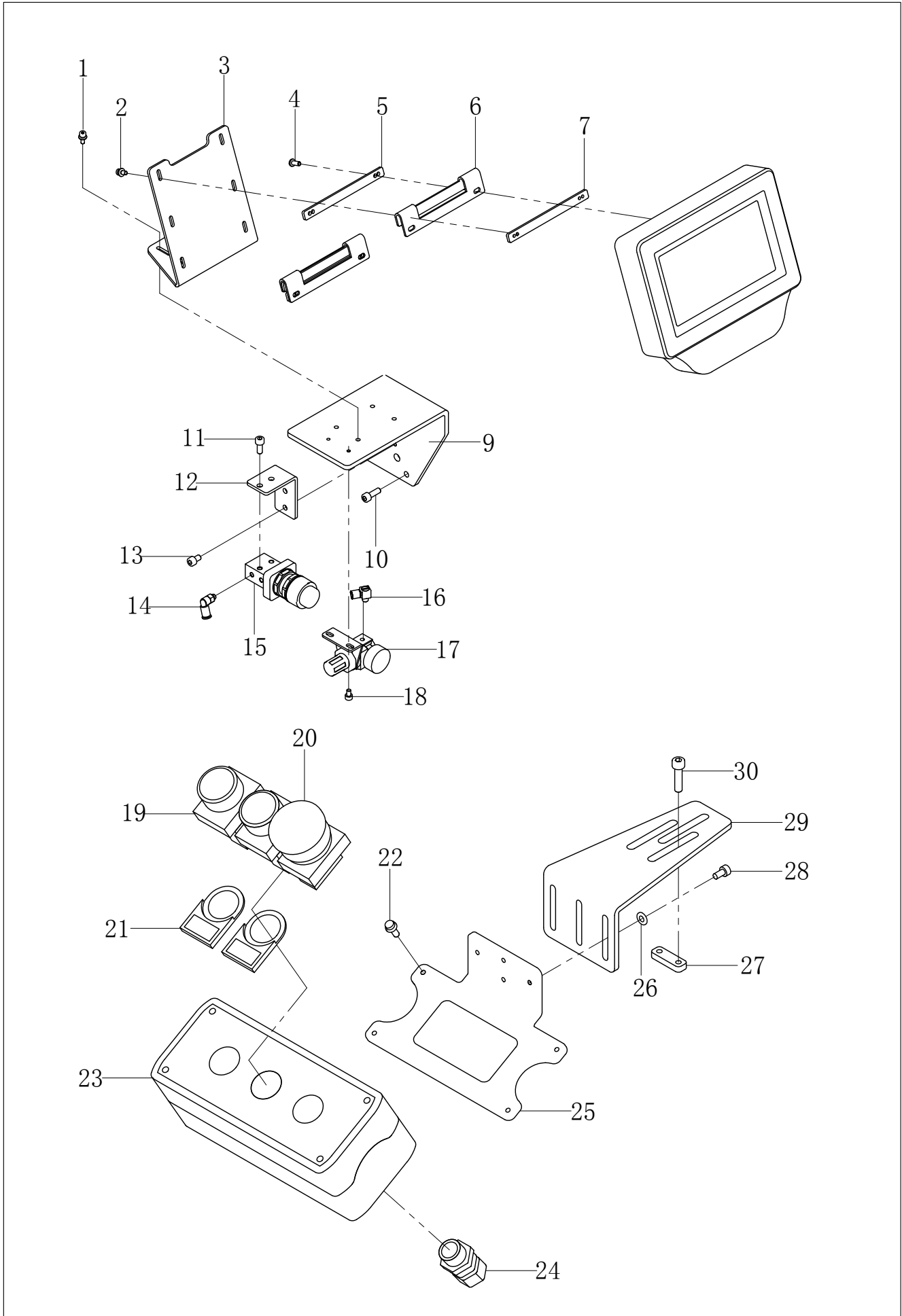
Q、控制箱装置(X) / Control box mechanism (X)



Q、控制箱装置(X) / Control box mechanism (X)

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	141930042	AK05-B高压电控	AK05-B high voltage electric control	1	双丝杆
1	141930043	BK05-B高压电控	BK05-B high voltage electric control	1	单丝杆
2	141930021	控制箱体	Control cabinet	1	
2	141930044	二代AK05款主板	Second-generation AK05 motherboard	1	双丝杆
3	141930045	二代BK05款主板	Second-generation BK05 motherboard	1	单丝杆
4	141930047	二合一低压伺服控制板	Two-in-one low-pressure servo control panel	1	
5	141830022	风扇V2BP	Fan V2BP	1	
6	141930048	集成Y电源板	The power supply board	1	双丝杆
6	141930024	第三代电源板	The power supply board	1	单丝杆
7	141930046	二合一高压伺服驱动板	Two-in-one high-voltage servo drive plate	1	
8	141930026	控制箱盖板	Control box cover plate	1	
9	417S30025	螺钉M4×10	Screw M4×10	6	
10	41830641	显示屏V2CP	Display the V2CP	1	
11	142030004	射频装置	Radio frequency device	1	
12	417S30302	螺栓(带垫圈)M4×12DB	Bolt (with washer)M4×12DB	4	
13	S02039	螺钉M4×9(镀镍)	Screw M4×9(Nickel plating)	4	
14	42230512	主电源开关线(6M)	Main power switching wire (6M)	1	
15	41830213	押扣开关	press button switch	1	
16	141947001	磁环	Magnetic ring	1	

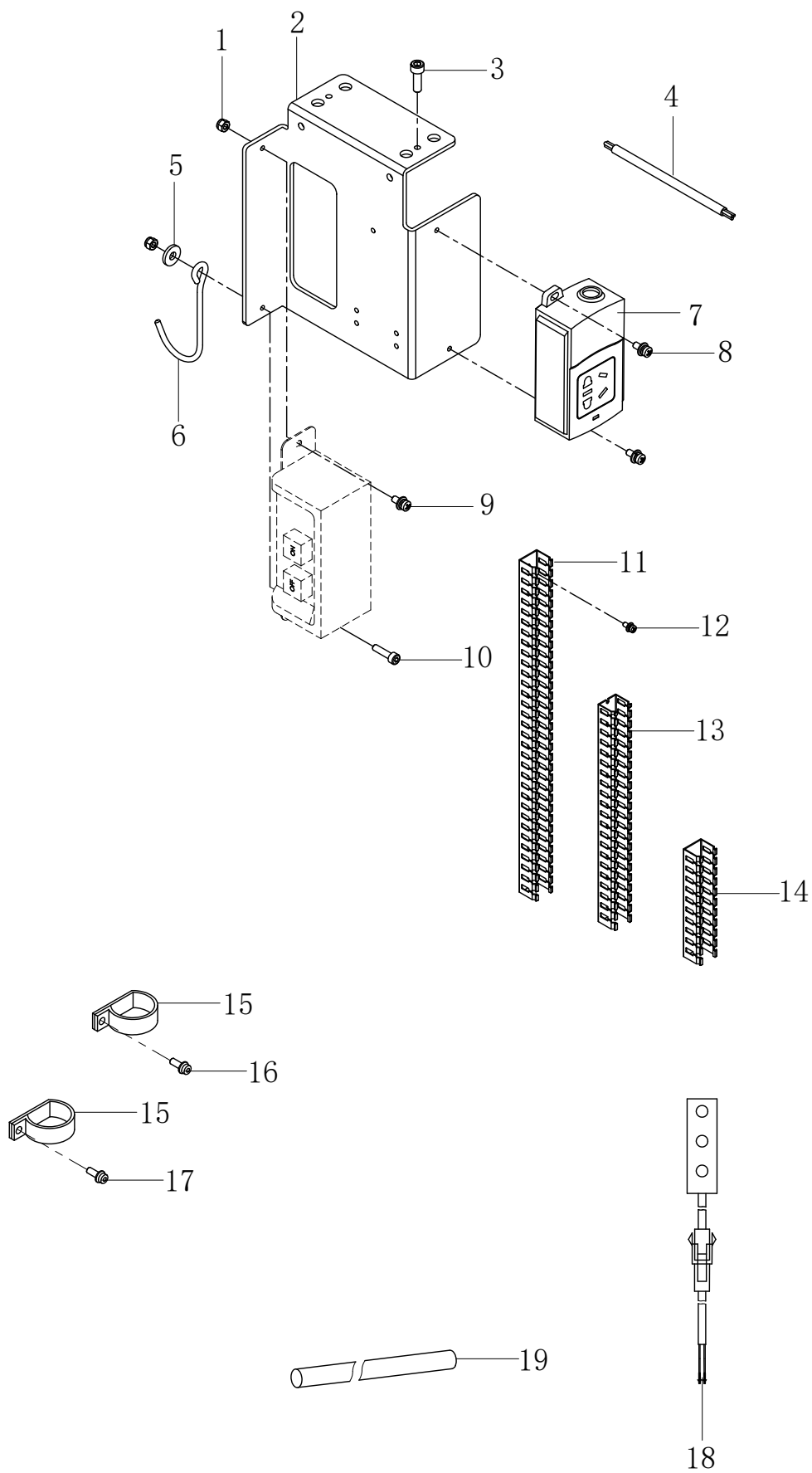
# R、操作界面装置/ Operation interface mechanism



## R、操作界面装置/ Operation interface mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	417S30306	螺栓M5×12	Bolt M5 * 12	4	
2	417S30302	螺栓M4×12	Bolt M4 * 12	4	
3	304058	操作屏V2支架	Operate screen V2 bracket	1	4181241300
4	417S15008	螺钉M4×8	Bolt M4 * 8	4	
5	142012050	压板2M	Pressing plate	2	
6	142022003	减振垫	Damping pad	2	
7	142012051	压板2孔	Pressing plate	2	
9	930000817	操作屏支座	Operate screen support	1	141912244
10	417S30306	螺钉M5×15	Screw M5 * 15	4	
11	S05123	螺钉M5×12(滚花)	Screw M5x12(Knurled)	5	
12	141912085	吹气开关阀安装板	Air on/off valve mounting plate	1	
13	S05120	螺钉M5×8(滚花)	Screw M5x8(Knurled)	2	
14	42536004	气管接头	Tracheal joint	2	
15	141930017	吹气开关阀	Air on/off valve	1	
16	42230519	微型接头M-5HLH-4	Miniature connector M-5HLH-4	2	
17	141945020	压力调节器	Pressure regulator	1	
18	S05115	螺钉M4×6(滚花)	Screw M4x6(Knurled)	2	
19	41830214	按钮开关	button switch	2	
20	41830215	急停开关	Emergency stop switch	1	
21	41811216	开关标牌框组件	Switch label frame assembly	2	
22	417S30302	螺栓(带垫圈)M4×12	Bolt (with washer)M4 x 12	4	
23	41811214	按钮开关盒	Button switch box	1	
24	41811215	出线口	outlet	1	
25	41812061	开关盒安装板A	Switch box mounting plate A	1	
26	W01001	M4垫片(普通)	M4 gasket (ordinary)	3	
27	142012031	螺纹板M5	The M5 thread board	1	
28	421S13035	螺栓M4×8(滚花, 镀镍)	Bolt M4x8(Knurled, Nickel plated)	3	
29	41812062	按钮盒安装板B	Button box mounting plate B	1	
30	S05026	内六角螺钉M5×20	Hexagon socket screw M5 x 20	2	

# S、电器部品装置/ Power supply equitment mechanism

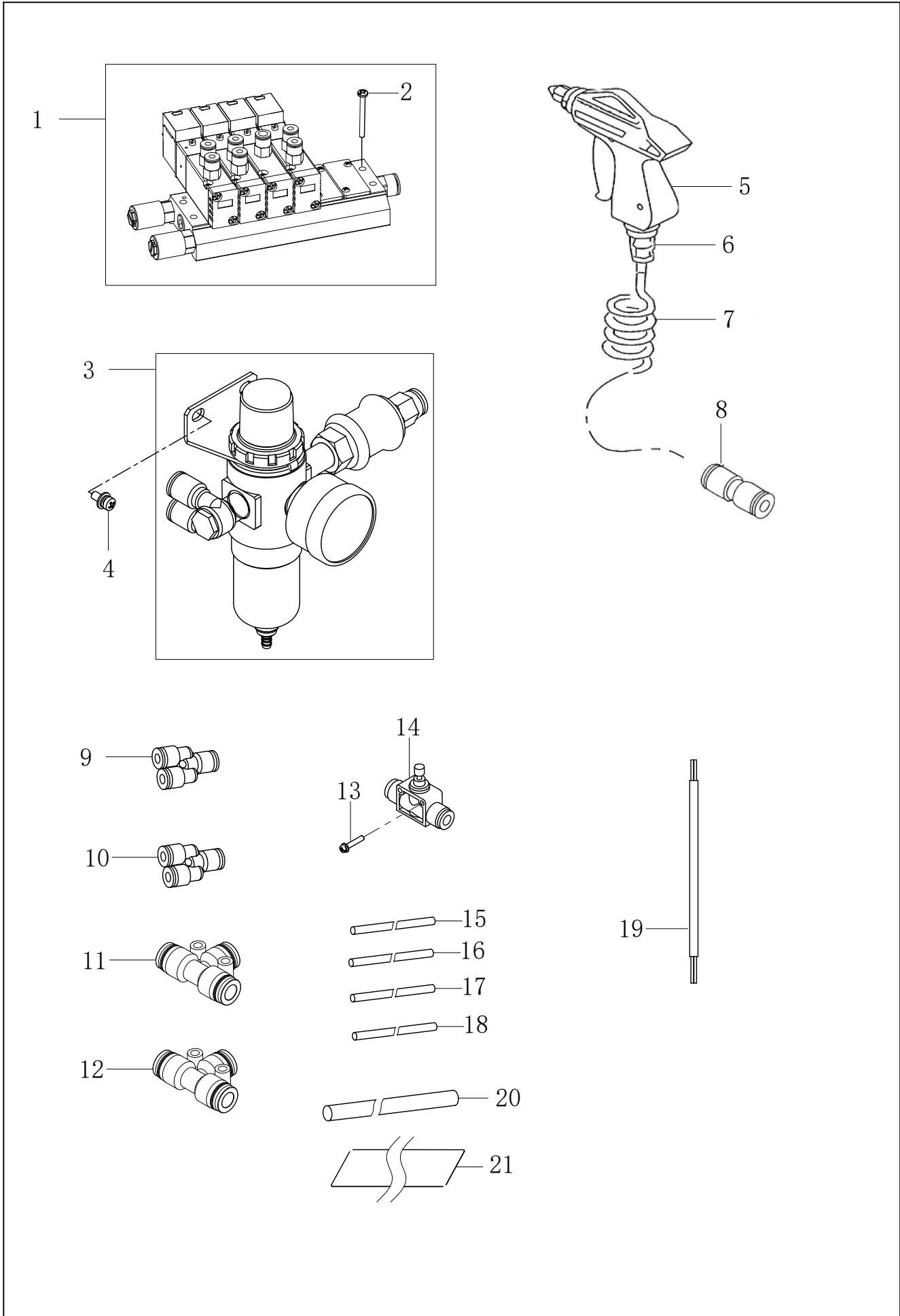




## S、电器部品装置/ Power supply equipment mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	407N01002	自锁螺母	Self-locking nuts	2	
2	41812060	电源开关支架	Power switch bracket	1	
3	417S30036	螺栓M5×12(带垫圈)	Bolt M5×16(with washer)	2	
4	99200037	EC4控制器电源线	EC4 controller power cord	0.4	
5	41828611	平垫圈M5	Flat washer M5	1	
6	42212620	挂钩	hook	1	
7	41830021	插线板A01	Lug plate A01	1	
8	421S13012	螺栓(带垫圈)M4×10	Bolt (with washer)M4×10DB	2	
9	417S30025	螺栓(带垫圈)M4×10	Bolt (with washer)M4×10DB	1	
10	S05118	螺栓M4×16(滚花, 镀镍)	Bolt M4×16(Knurled, Nickel plated)	1	
11	142011007	线槽4040-1300	Trough. 4040-1300	3	
12	417S30025	螺栓(带垫圈)M4×10	Bolt (with washer)M4×10DB	16	
13	142011006	线槽4040-750	Trough. 4040-750	1	
14	142011005	线槽4040-300	Trough. 4040-300	1	
15	41711025	电线夹19	Wire clip 19	2	
16	417S30302	螺栓(带垫圈)M4×12	Bolt (with washer)M4 x 12	1	
17	142030001	LED灯	LED lights	1	
18	421S13003	螺钉带垫M4×8	Screw with cushion M4 x 8	1	
19	42311004	缠绕管φ10	Winding pipe φ10	1	

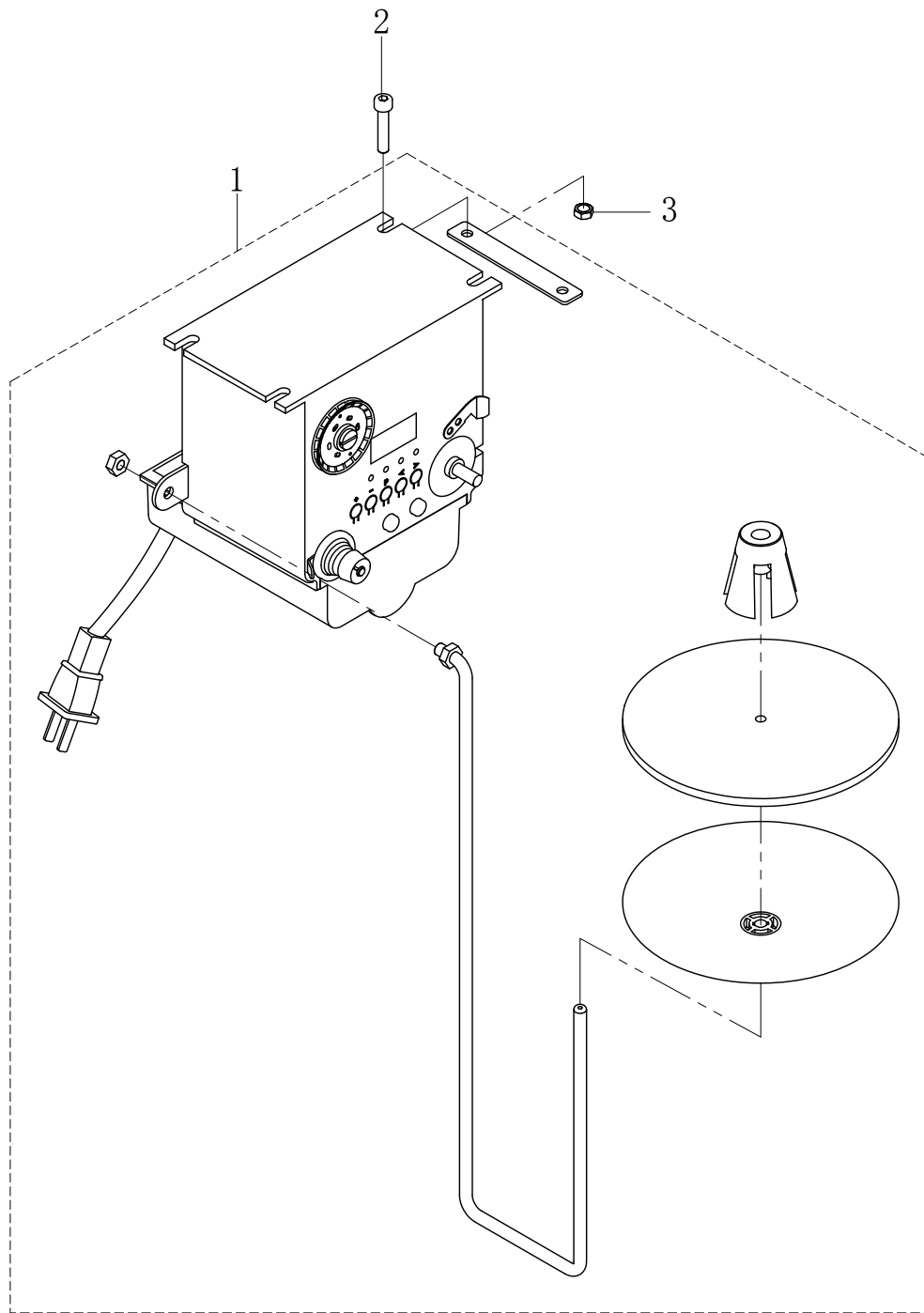
# T、空压装置/ Air pressure mechanism



T、空压装置/ Air pressure mechanismS

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	14194501700	六位四通电磁阀组件	Six-way solenoid valve assembly	1	(普通款)
1	14204501400	六位五通电磁阀组件	Six-bit five-way solenoid valve assembly		(点笔)
1	14194501800	六位六通电磁阀组件	Six-bit six-way solenoid valve assembly	1	(激光款)
1	14204501500	八位七通电磁阀组件	Eight-bit seven-way solenoid valve assembly	1	(激光款+点笔)
2	421S11013	螺钉M4×35	Screw M4 ×35	4	
3	14204501200	气源处理元件组件	Gas source processing component components	1	
4	417S30025	螺栓(带垫圈)M4×10DB	Bolt (with washer) M4×10DB	2	
5	41845220	气枪AG-B	Air gun AG-B	1	
6	40736018	螺纹直通APC6-02	Threads go straight through APC6-02	1	
7	42211540	螺旋气管6×4	Spiral trachea 6×4	1	
8	40736022	气管接头APG6	Trachea connector APG6	1	
9	40736036	气管接头APY4(Y型三通)	Trachea connector API4 (Y-type tee)	3	
10	140736004	气管接头PYW6-4	Trachea connector PYW6-4	1	
11	141936003	气管接头PEG8-4	Trachea connector PEG8-4	1	
12	142045007	气管接头三通	Trachea connector tee	1	
13	S01591	螺钉 M3×18 10.9级 镀白锌	Screw M3 × 18	1	
14	41845232	T形接管KJT04	T-shaped takeover KJT04	1	
15	41845223	气管 φ4×2.5透明蓝	The trachea is 4×2.5 transparent blue	22	
16	41845224	气管 φ4×2.5黑色	The trachea is 4× 2.5 black	23	
17	42221503	气管 φ8	Trachea 8	10	
18	142045009	气管 φ6	Trachea 6	2	
19	41730022	电磁阀接线	Solenoid valve connection	1	(点笔)
19	41730022	电磁阀接线	Solenoid valve connection	14	(激光款)
19	41730022	电磁阀接线	Solenoid valve connection	15	(激光款+点笔)
20	142122003	号码管4	Number tube 4	0.3	
21	142144001	号码管色带	Number tube ribbon	0.3	

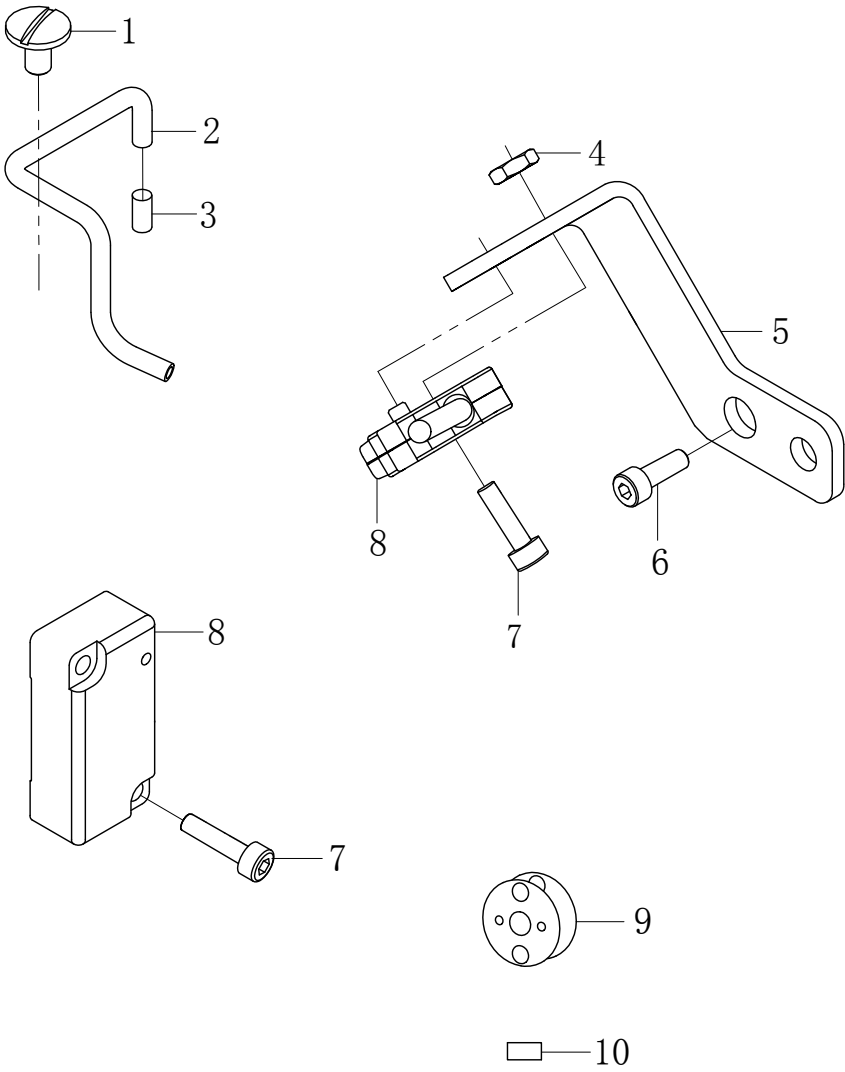
# U、卷线装置 / Bobbin winder mechanism



U、卷线装置/ Bobbin winder mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	41831222	自动绕线器		1	
2	S05026	螺栓M5×20		4	
3	407N01001	自锁螺母M5		4	

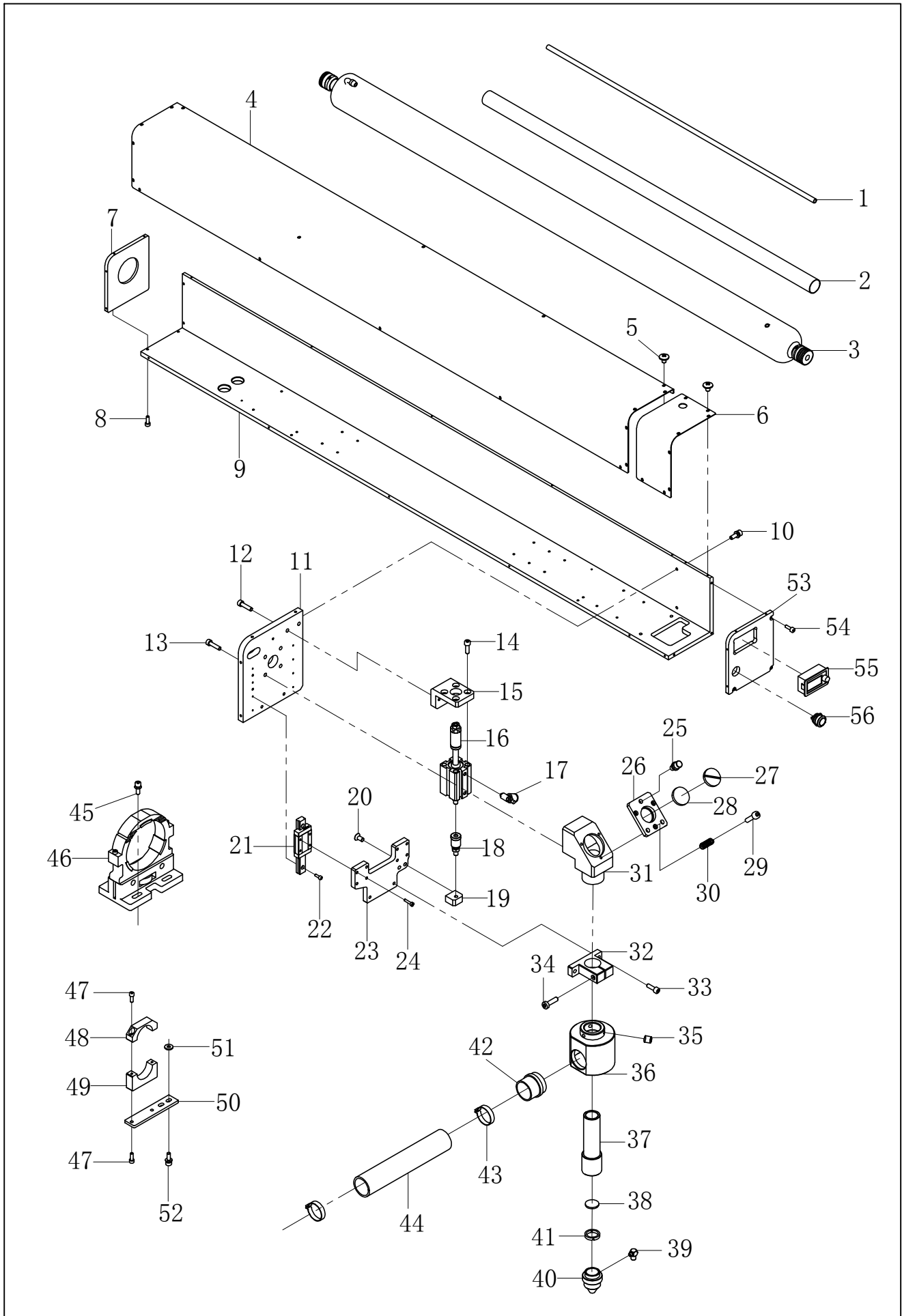
X1、底线检测装置 / Bottom line detection mechanism



X1、底线检测装置/Bottom line detection mechanism

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarks
1	418S30218	螺钉M4x7		2	
2	141921001	底线检测传感器吹气铜管		1	
3	41845224	气管 $\phi 4 \times 2.5$ 黑色		0.1m	
4	N08008	六角锁紧螺母M3		1	
5	141912020	底线检测传感器安装板		1	
6	S05116	螺钉M4x8		2	
7	413S14012	螺钉M3x14		3	
8	14183000400	底线检测传感器		1	
9	41818621	两倍梭芯 A		5	
10	42130028	反射纸		20	

## X2、激光切割装置 / Laser cutting mechanism

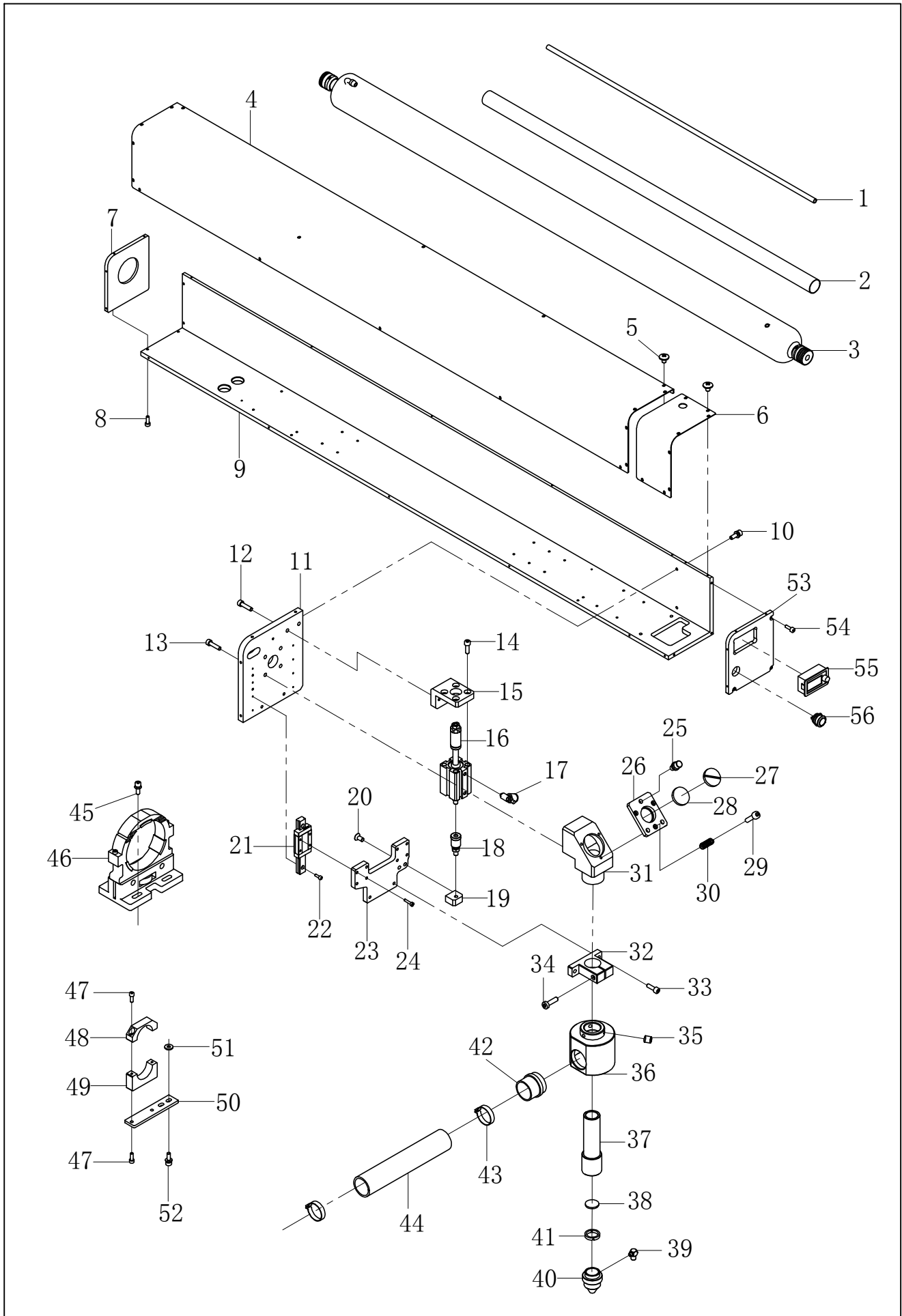




## X2、激光切割装置 / Laser cutting mechanism

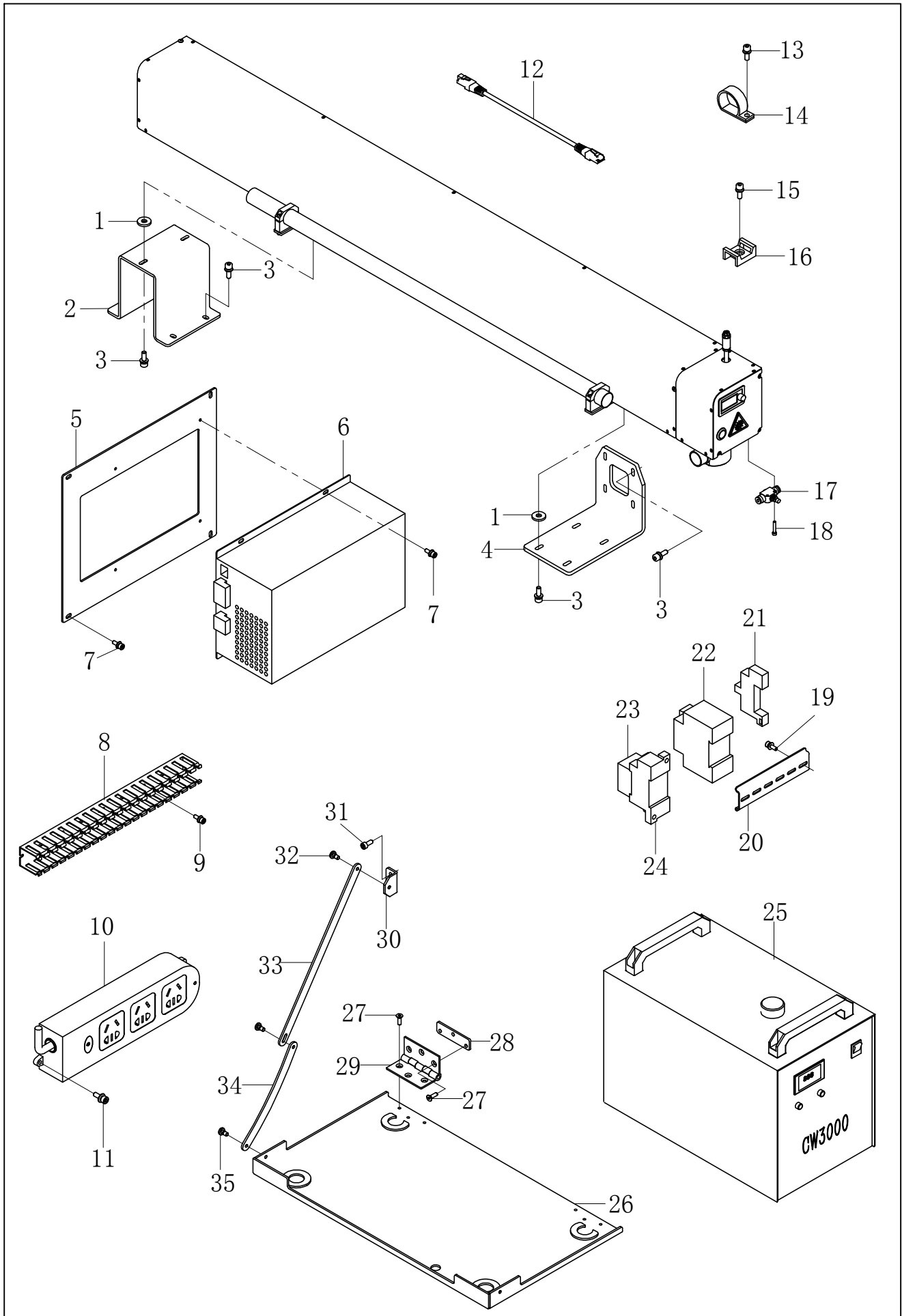
序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	41822701	水管	Water pipe	8	
2	142032075	上吸烟管A	Upper suction duct A	1	
3	142030020	激光管A2S	Laser tube A2S	1	
3	142030015	激光管A4S	Laser tube A4S	1	F11B
4	930000536	腔体上盖C	Upper cover of shell C	1	142012127
4	930000537	腔体上盖A	Upper cover of shell A	1	142012106 (F11B)
5	421S10022	螺钉M4×6	Screw M4×6	26	
6	930000538	腔体上盖B	Upper cover of shell B	1	142012107
7	142042008	腔体后盖板	Chamber rear cover plate	1	
8	S05118	螺钉M4×16	Screw M4×16	4	
9	142042019	激光壳体底板100W	Shell bottom plate 100W	1	
9	142042015	腔体底板	Shell bottom plate	1	F11B
10	421S13059	螺钉(带垫圈)M5×20	Screw (with washer) M5×20	4	
11	142042016	腔体面板A	Shell panel A	1	
12	S05026	螺钉M5×20	Screw M5×20	2	
13	S05026	螺钉M5×20	Screw M5×20	4	
14	S05124	螺钉M5×16	Screw M5×16	4	
15	142009008	气缸安装座	Cylinder mounting base	1	
16	142030019	气缸	Cylinder	1	
17	41845231	接头ASL4-M5	Connector ASL4-M5	2	
18	142036002	浮动接头	Floating joint	1	
19	142042005	浮动接头连接座	Floating joint connector	1	
20	421S17005	沉头螺钉M5×16	Screw M5×16	2	
21	142008001	上银导轨MGN12H	Guide	2	
22	S05094	螺钉M3×8	Screw M3×8	8	
23	142042007	导轨联动板	Guide rail linkage plate	1	
24	421S11001	螺钉	Screw	8	
25	1420NS20004	激光调节铜螺钉	Screw	3	
26	142009007	反射镜安装板	Reflector mounting plate	1	
27	142008004	反射镜固定圈	Mirror fixing ring	1	
28	41811631	反射镜	Silicon mirror	1	
29	S05064	螺钉M4×30	Screw M4×30	3	
30	142027002	反射镜弹簧	Mirror spring	3	
31	142001017	反射镜安装座	Reflector mounting base	1	
32	142042009	出光筒固定座	Fixing seat of light output cylinder	1	
33	S05124	螺钉M5×16	Screw M5×16	2	
34	S05124	螺钉M5×16	Screw M5×16	1	
35	S10019	紧定螺钉M6×6	Screw M6×6	3	
36	142042010	吸烟罩A	Smoking hood A	1	
37	142002015	镜筒A	Lens barrel A	1	
38	41830701	聚焦镜	Focusing lens	1	
39	42230519	微型接头	Mini connector	1	
40	142002014	出光口A	Light outlet A	1	
41	142008003	聚焦镜固定圈	Fixed ring of focusing lens	1	
42	142042011	上吸烟管接口	Smoking pipe connection	1	
43	41831409	抱箍25-38	Hoop 25-38	1	
44	142011017	吸烟软管32	Hose 32	0.5	
45	421S13059	螺钉(带垫圈)M5×20	Screw (with washer) M5×20	8	
46	142011015	激光管支架80	Laser tube bracket 80	2	
47	S05133	螺钉M4×12	Screw M4×12	8	
48	142042014	上吸烟管安装座B	Smoking pipe mounting base B	2	
49	142042013	上吸烟管安装座A	Smoking pipe mounting base A	2	
50	142012105	吸烟管座安装板	Mounting plate for smoking socket	2	

## X2、激光切割装置 / Laser cutting mechanism



51	41828611	平垫圈M5	Flat washer M5	4	
52	417S30306	螺钉(带垫圈)M5×15	Screw (with washer) M5×15	4	
53	142042017	腔体面板B	Shell panel B	1	
54	S05133	螺钉M4×12	Screw M4×12	3	
55	142030011	一体式电位器	Integrated potentiometer	1	
56	142030014	点动开关	Inching switch	1	
57	142002016	出光口B	Light outlet B	1	
58	41845222	螺纹直通APC4-01		1	

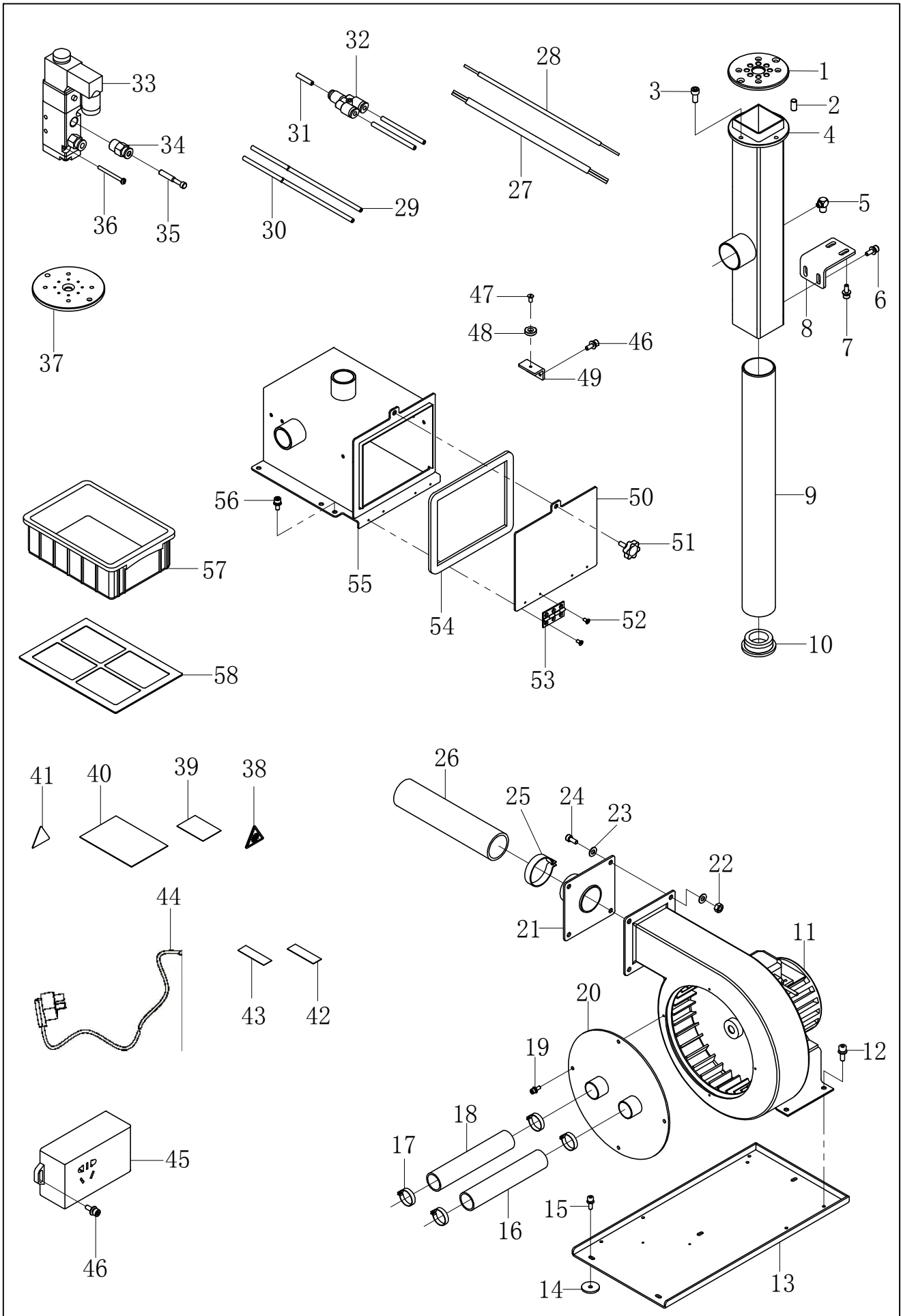
# X6、激光切割控制部分 / Laser cutting control part



X6、激光切割控制部分 / Laser cutting control part

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	41822012	减振垫圈	Damping washer	6	
2	930000323	腔体后支架	Cavity rear bracket	1	142012055
3	417S30306	螺钉(带垫圈)M5×15	Screw (with washer) M5×15	14	
4	930000442	腔体前支架	Cavity front bracket	1	141912153
5	930000539	激光电源安装板A	Laser power supply mounting plate	1	142012108
6	142030016	激光电源箱120W	Laser power supply 120W	1	
7	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	8	
8	142011006	线槽4040-850	Trunk 4040-850	1	
9	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	2	
10	141830013	公牛插板3插孔	Bull plug 3 jack	1	
11	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	2	
12	142030017	网线	Network cable	1	
13	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	5	
14	41711025	电线夹19	Wire clip 19	5	
15	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	4	
16	142011016	扎带固定座	Cable tie holder	4	
17	41845232	接头	Tracheal connector	1	
18	S01591	螺钉M3×18	Screw M3×18	2	
19	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	2	
20	142012052	电气安装板	Electrical mounting plate	1	
21	141830037	卡件	Card	2	
22		空气开关	Air switch	1	
23	41830302	中间继电器	Intermediate relay	2	
24	41830303	中间继电器座	Intermediate relay seat	2	
25	41830703	3000型水箱	3000 type water tank	1	
26	930000326	水箱安装板组件	Water tank mounting plate assembly	1	14201206700
27	417S30036	螺钉(带垫圈)M5×12	Screw (with washer) M5×12	8	
28	142012084	合页垫板	Hinge pad	2	
29	142031002	合页A	Hinge A	2	
31	142012064	水箱拉杆支架	Water tank lever bracket	2	
30	142012182	拉杆钢丝A	Wire A	2	
32	421S17009	螺钉M5×10	Screw M5×10	8	
33	41730059	扫线开关接插件A		1	
34	61807020	红头簧片		20	

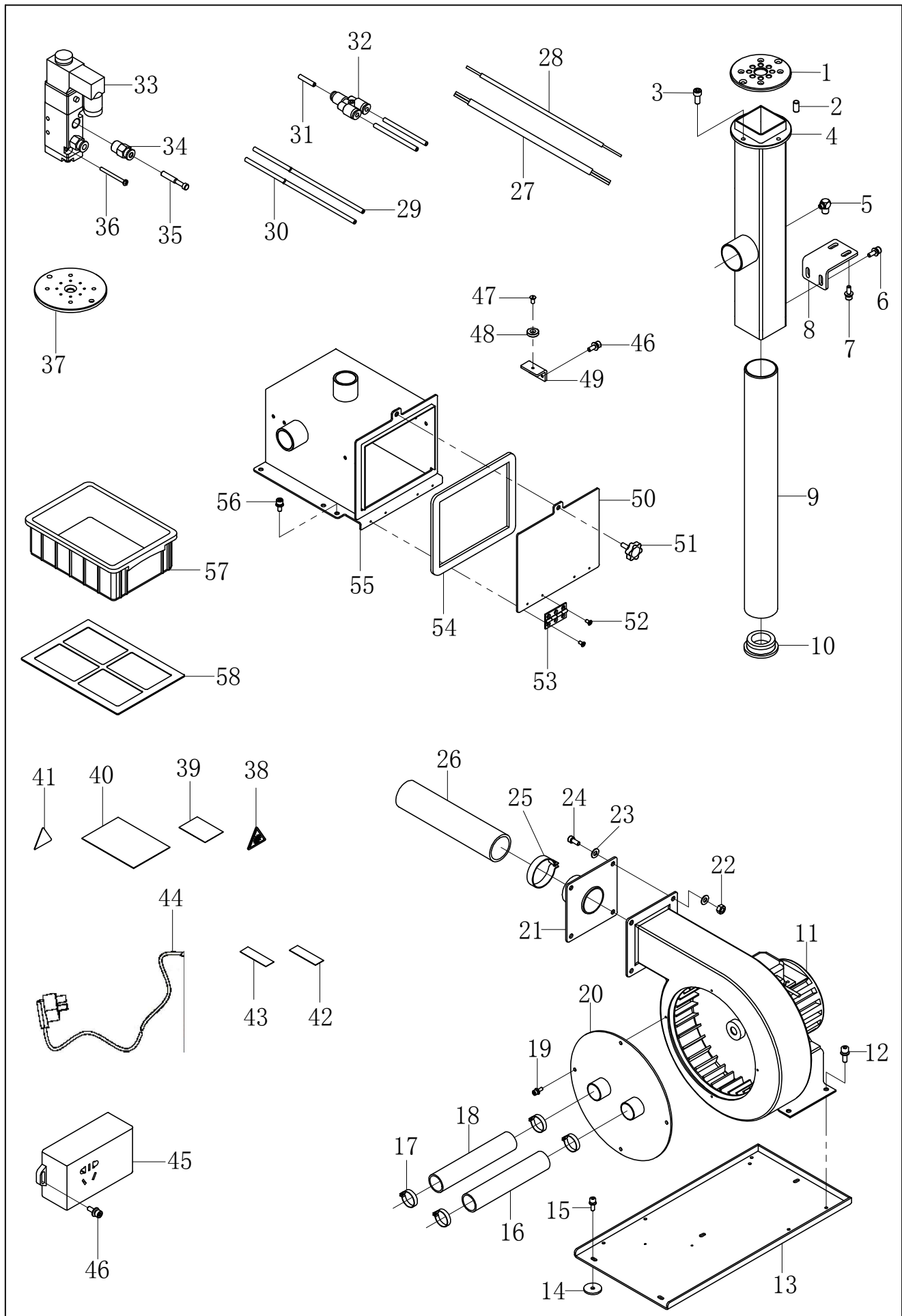
# X3、激光切割吸烟装置 / Laser cutting smoke exhaust part



### X3、激光切割吸风装置 / Laser cutting smoke exhaust part

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	141812017	吸风口板-中厚料	Suction port plate-medium thick material	1	
2	41831019	强力磁铁6×12	Powerful magnet 6×12	4	
3	S05123	螺钉M5×12	Screw M5×12	4	
4	930000327	集尘盒组件M	Dust box assembly M	1	14201207100
5	42230519	微型接头M-5HLH-4	Mini connector M-5HLH-4	1	
6	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	2	
7	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	2	
8	142012070	集尘盒固定板	Dust box fixing plate	1	
9	930000328	集尘筒	Dust collector	1	142012075
10	141822006	橡皮塞31	Rubber stopper 31	1	
11	41830705	离心风机650W	Centrifugal fan 650W	1	
12	417S30037	螺钉(带垫圈)M6×14	Screw (with washer) M6×14	4	
13	930000325	风机安装板S	Fan mounting plate S	1	142012060
14	40931008	电机座垫	Motor base	4	
15	417S30306	螺钉(带垫圈)M5×15	Screw (with washer) M5×15	6	
16	41831408	钢丝软管 φ32	Steel wire hose φ32	3M	
17	41831409	抱箍25-38	Hoop 25-38	7	
18	41831408	钢丝软管 φ32	Steel wire hose φ32	1.5M	
19	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	4	
20	930000045	离心风机进风口组件	Centrifugal fan air inlet assembly	1	4181256000
21	930000046	离心风机出风口组件	Centrifugal fan outlet assembly	1	4181256100
22	407N01001	自锁螺母M5	Self-locking nut M5	4	
23	41828611	平垫圈M5	Flat washer M5	8	
24	S05124	螺钉M5×16	Screw M5×12	4	
25	141831039	抱箍40-63	Hoop 40-63	1	
26	141831038	软管50	Hose 50	5M	
27	41730022	电磁阀接线	Solenoid valve wire	15M	
28	62800019	单芯线	Single core wire	5M	
29	41845223	气管 φ4×2.5透明蓝	Trachea φ4×2.5 transparent blue	4M	
30	41845224	气管 φ4×2.5黑色	Trachea φ4×2.5 black	4M	
31	41845224	气管 φ4×2.5黑色	Trachea φ4×2.5 black	5M	
32	40736036	气管接头APY4(Y型三通)	Trachea joint APY4 (Y type tee)	1	
36	421S11013	螺钉M4×35	Screw M4×35	4	
37	41812551	吸风口板	Suction board	1	
38	142037003	激光标识贴	Laser label	1	
39	141823002	擦镜纸	Mirror cleaning paper	5	
40	41837617	激光设备注意事项贴	Precautions for laser equipment	1	
41	41837616	三角高压危险标识贴	Triangular high-pressure hazard label	3	
42	141837004	IN标贴	In label	2	
43	141837005	OUT标贴	Out label	2	
44	42230512	主电源开关线(5M)	Main power switch line (5M)	2	
45	41830021	插线板A01	Plug board A01	1	
46	417S30302	螺钉(带垫圈)M4×12	Screw (with washer) M4×12	10	
47	S02039	螺钉M4×9	Screw M4×9	4	
48	142047002	圆磁铁15	Round magnet 15	4	
49	142012136	磁铁安装板	Magnet mounting plate	4	
50	930000563	烟雾过滤箱面板	Smoke filter box panel	1	142012129
51	1420NS30002	梅花螺钉M5×15	Plum blossom screw M5×15	1	
52	S02032	螺钉M3×6	Screw M3×6	8	
53	41831012	铜合页1.5寸	Copper hinge	2	
54	142022004	密封条D型	Sealing strip	1M	
55	930000562	烟雾过滤箱	Smoke filter box	1	14201213000
56	417S30036	螺钉(带垫圈)M5×12	Screw (with washer) M5×12	2	
57	142022005	过滤箱塑料盒	Filter box plastic box	1	
58	14201213300	烟雾过滤网60目组件	Smoke filter 60 mesh	1	

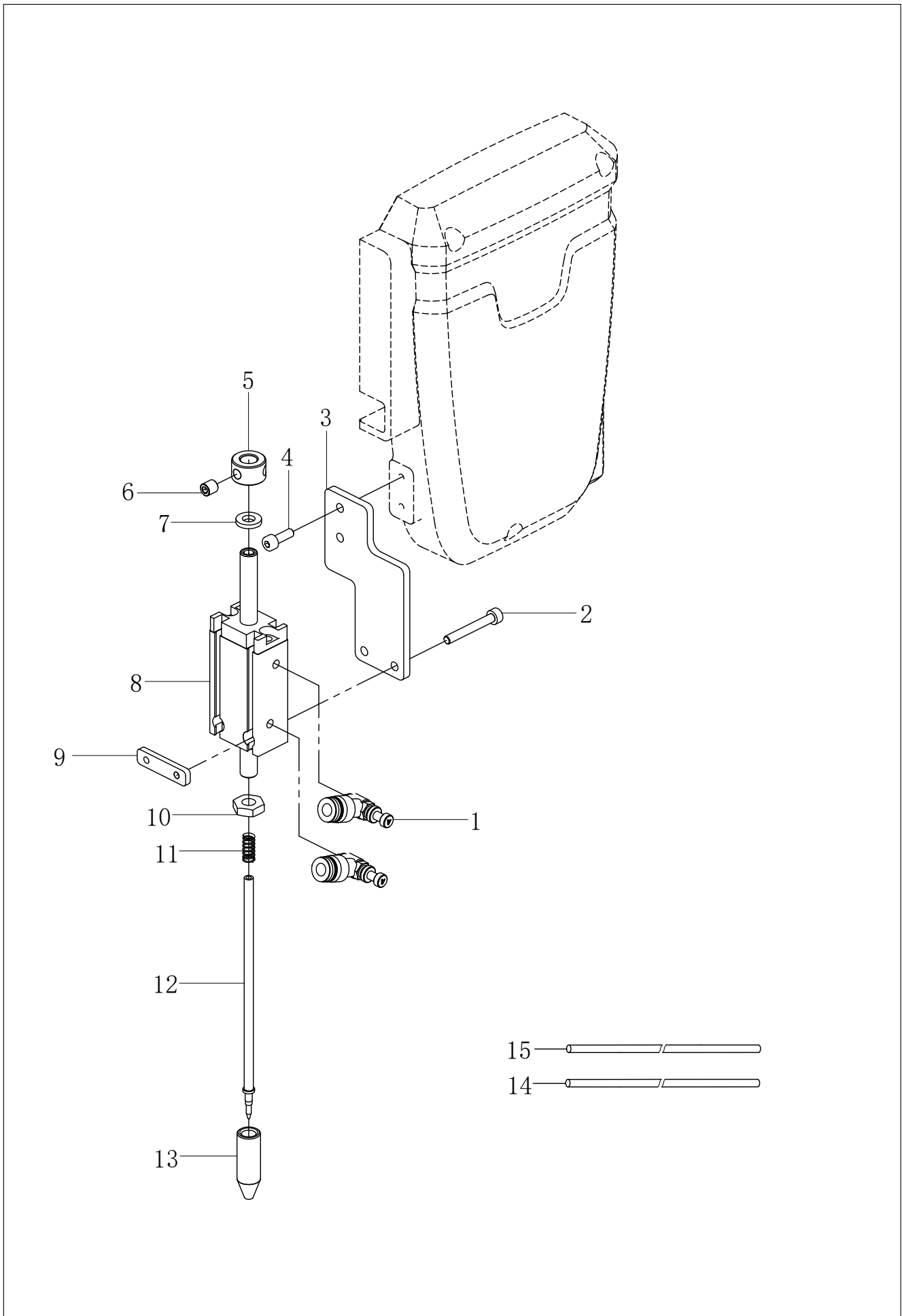
# X3、激光切割吸烟装置 / Laser cutting smoke exhaust part





59	142012173	集尘盒挡光板	Light barrier	1	
60	142037005	过滤箱标贴	label	1	

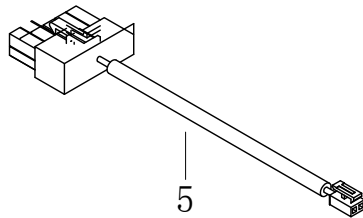
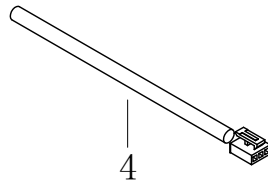
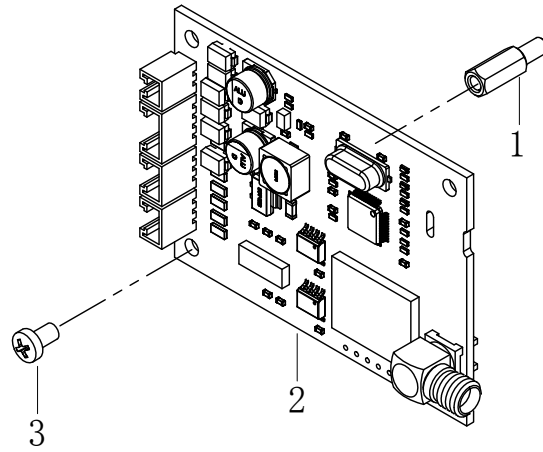
# X4、点笔装置 / Point pen mechanism



#### X4、点笔装置/Pint Pen Mechanism

序号 No.	件号 Part. No.	对象描述	Description	数量 Amt.	备注 Remarks
1	41845231	接头ASL4-M5	Joint ASL4 - M5	2	
2	S05119	内六角圆柱头螺钉M4×20	Hexagon socket head screw M4×20	2	
3	142012009	点笔装置安装板	Mounting plate for pen - pointing device	1	
4	S05133	内六角圆柱头螺钉M4×12	Hexagon socket head screw M4×12	2	
5	41708002	紧圈B	Tight circle B	1	
6	S10019	螺钉M6×6	Screw M6×6	2	
7	41722020	电磁铁缓冲垫圈	Electromagnetic iron buffer washer	1	
8	142045001	气缸CMD16×25	Cylinder CMD16 x 25	1	
9	141812215	气缸调节片	Cylinder adjusting piece	1	
10	N02030	螺母M8×1	Nut M8 x 1	1	
11	41827032	点笔弹簧	Point pen spring	1	
12	41811302	点笔笔芯	Point pen ink	1	
13	418S16304	点笔杆锁帽	Tap the penholder to lock the cap	1	
14	41845224	气管 φ4×2.5黑色	Trachea 4×2.5 black	3	
15	41845223	气管 φ4×2.5透明蓝	Trachea 4×2.5 transparent blue	3	

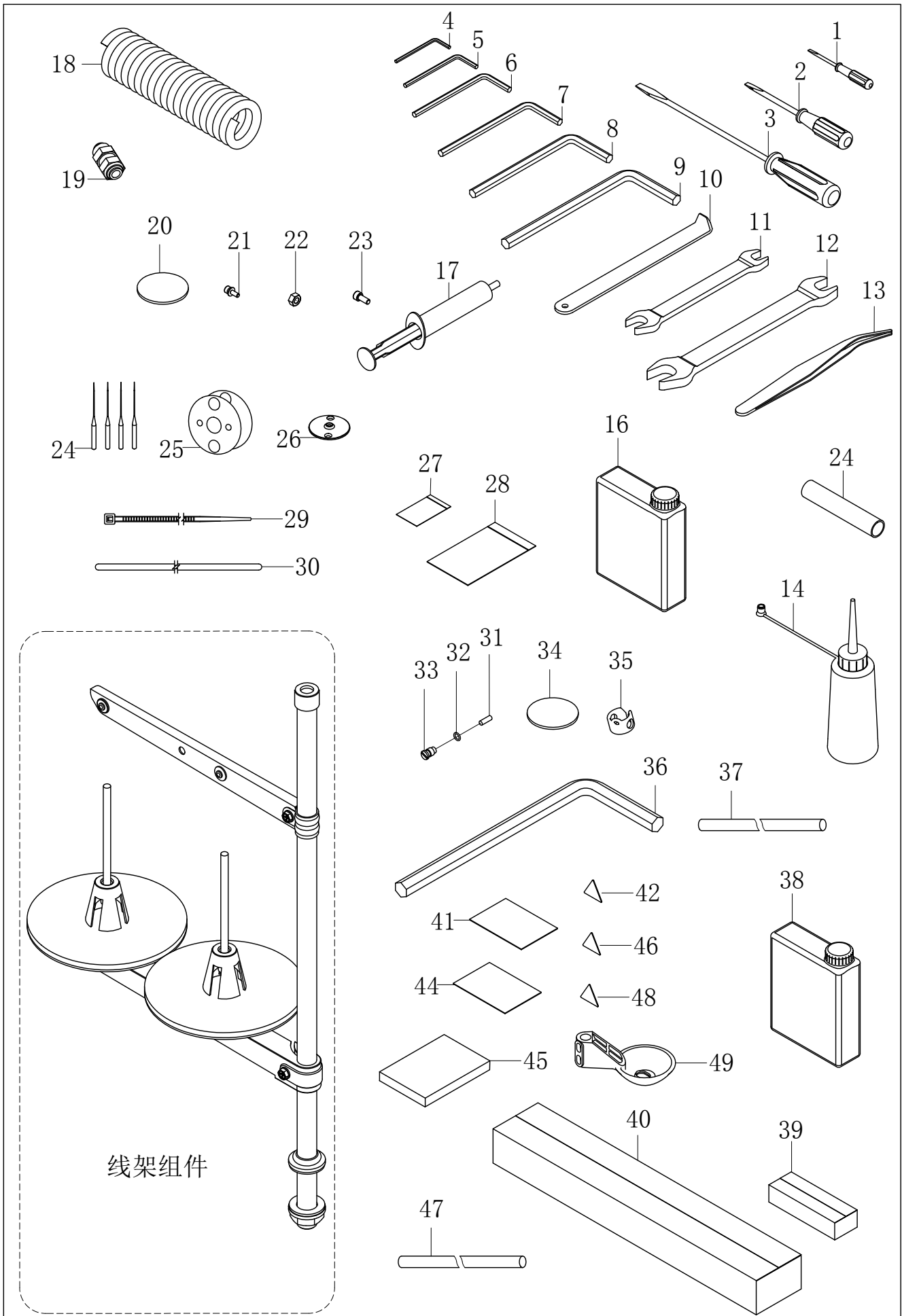
# X5、物联网/The Internet of Things



### X5、物联网装置/The Internet of Things

序号 No.	件号 Part. No.	零部件名称	NAME OF PARTS	数量 Amt.	备注 Remarts
1	61807032	铜柱16mm(10mm+6mm)	16 mm copper column (10 mm + 6 mm)	2	
2	141830042	物联网电路板	Internet of Things circuit board	1	
3	S04075	螺钉M3×6	Screw M3 * 5	2	
4	141830044	电源线(示意图)	Power cord (Schematic Diagram)	1	
5	141830043	信号线(示意图)	Signal line (Schematic diagram)	1	

# Z、附件 / Accessories



## Z、附件/Accessories

序号 No.	件号 Part.No.	零部件名称	NAME OF PARTS	数量 Amt.	备注
1	10131004	JK-5550-1018螺丝刀(小)		1	
2	10131003	螺丝刀(中)		1	
3	10131002	螺丝刀(大)		1	
4	30131007	内六角扳手(1.5mm)		1	
5	20131046	JK-795-1911内六角扳手2mm		1	
6	30131010	GB/T 5356内六角扳手2.5mm		1	
7	30131012	GB/T 5356内六角扳手3mm		1	
8	20131047	JK-800-1922内六角扳手4mm		1	
9	20131056	JK-800-1912内六角扳手5mm		1	
10	30131005	扳手(6mm~7mm)		1	
11	30131006	JK-8569-W21-3双开口扳手(8-10mm)		1	
12	41712355	JK-T3020-31-065针板专用螺丝刀		1	
13	20131051	JK-795-1916镊子		1	
14	11631008	JK-58420-Z33油壶组件		1	
15	20131038	小油壶(尖嘴)		1	
16	1011101200	JK-5550-1022-00油壶组件		1	
17	11411029	JK-8990注射器		1	
18	40730010	JK-5878螺旋气管		6	
19	40736001	JK-5878-0115螺纹套管接头		1	
20	41830017	JK-T12090-21-005电子标签卡		30	
21	417S30036	JK-T1310-05-045螺栓(带垫圈)M5×12		4	
22	407N01001	JK-T5878-58B-0104-02自锁螺母M5		12	
23	S05124	GB/T 70.1-2000螺栓M5×16(滚花, 镀镍)		12	
24	42217504	MS-90A-0532机针DP×5 8#		4	
25	10818501	梭心605.609大梭心		3	
26	41815022	MS-90A-03-022针孔板 φ1.7T2.5		1	
27	20131076	15×9袋		7	
28	20131077	20×15袋		2	
29	61910003	JK-T5878-58B-0812扎带(小)		5	
30	42130028	JK-T5878-68-2611反射纸0.254m×45.72m(欧偌丽)		10	
31	141803006	MT-90C-11-027下轴油芯套		2	
32	141822002	MT-90C-11-0240形圈3.6×0.8		2	
33	141823001	MT-90C-11-030下轴限油芯		2	
34	141931002	MX-100A-40-002水平泡		1	
35	41726014	JK-T2210-12-020针套		1	
36	141931003	MX-100A-ZP48内六角扳手14mm		1	
37	12921006	维尼龙油管(φ6xφ8)(进口)		0.5	
38	915305	工业白油		0.5	
39	41731015	JK-T2210-28-003花样机附件箱		1	
40	141831017	MT-90C-31-014X送料同步带模组附件箱		1	
41	41837613	MT-90C-31-009重心标贴		1	
42	140237002	JK-T781-FJ20警告牌(护手)		1	
43	41837615	MT-90C-31-011电线警告标贴		1	
44	41837102	MS-90A-3702导轨注油标签		1	
45	42131008	干燥剂(100克)		2	
46	142037004	MS-100A-0232台面折叠注意标贴		2	
47	141845007	MT-90C-24-013软管TUS0425N		0.2	
48	20131063	JK-8777-0111警告牌		3	
49	141916005	大压脚B		2	