

FORTEVER®

HALO-100

SPARE PARTS BOOK

零件书



SINGLE HEAD TUBULAR EMBROIDERY MACHINE

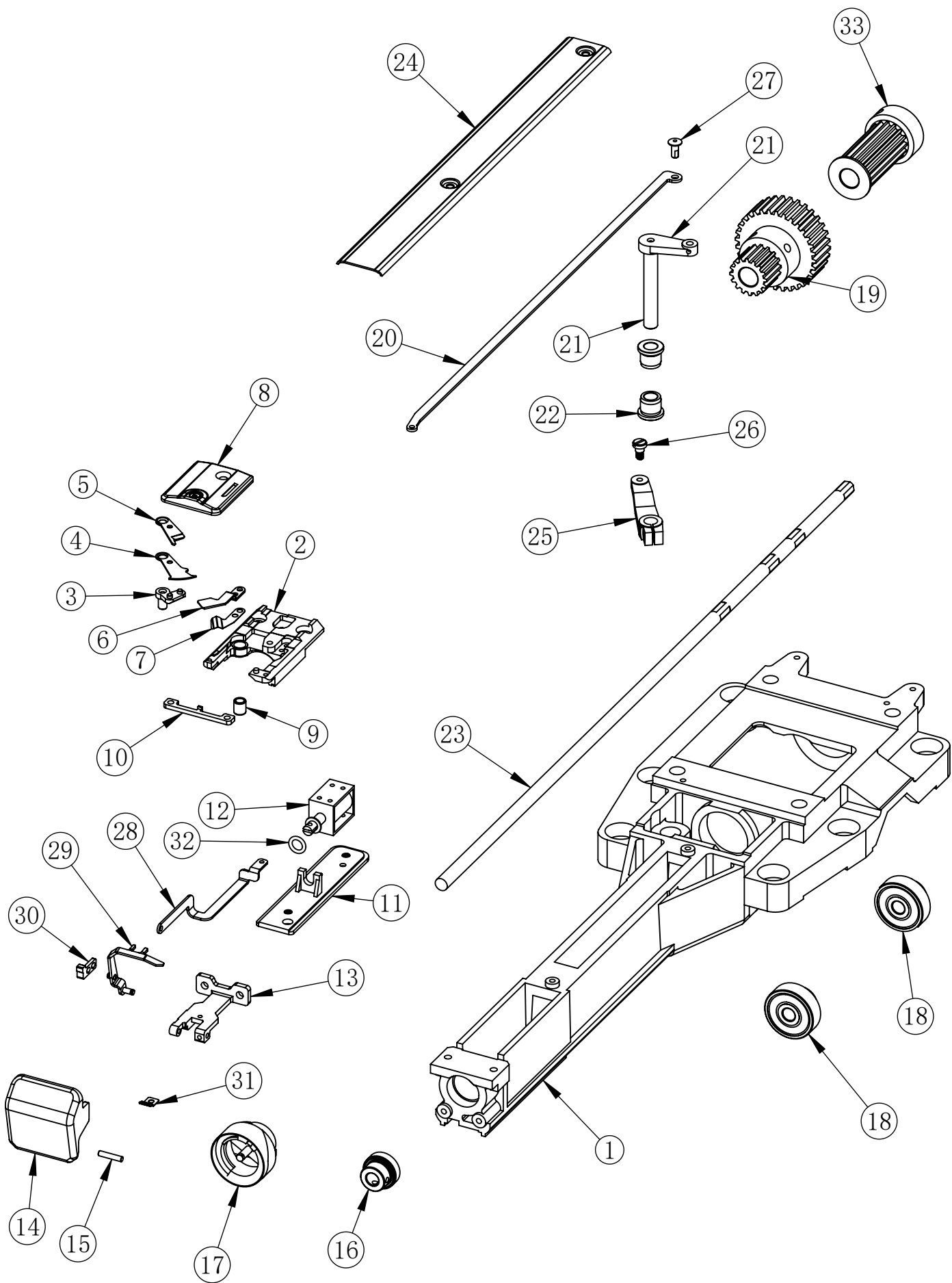
HALO-100电脑绣花机

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1 Rotary Hook Base 梭床

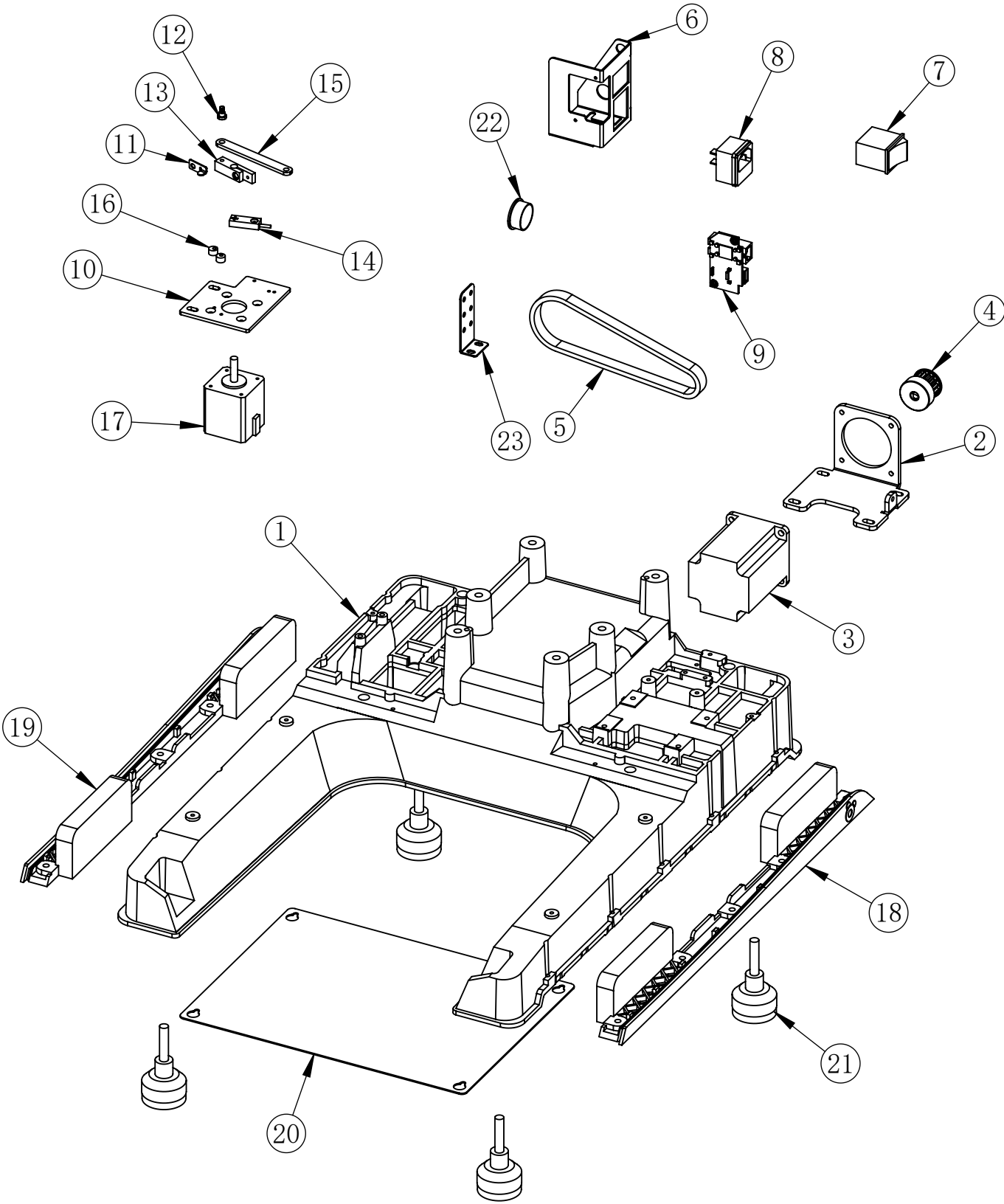


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1 Rotary Hook Base 梭床

No.	Chinese Description	Description	Part No.	Qty
1	梭床 - HALO	Rotary Hook Base	110030001	1
2	针板座 - HALO	Needle Plate Base	110030002	1
3	动刀轴座 - HALO	Movable Knife Drive Arm Clipper	110030003	1
4	动刀 (下) - HALO	Moveable Knife Do	110030004	1
5	动刀 (上) - HALO	Moveable Knife Up	110030005	1
6	定刀 - HALO	Fixed Knife	110030006	1
7	定刀弹片 - HALO	Fixed Knife Shrapnel	110030007	1
8	针板 - HALO	Needle Plate	110030008	1
9	轴套 - 动刀轴	Copper Bush	110030009	1
10	旋梭定位勾 - HALO	Rotary Position Hook	110030010	1
11	扣线电磁铁底板 - HALO	Picker Solenoid Base	110030011	1
12	24V扣线电磁铁	Picker Solenoid	206120002	1
13	扣线叉底板 - HALO	Fork Base	110030012	1
14	旋梭护盖 - HALO	Cover	110030013	1
15	护罩销D3	Pin D3	110030014	1
16	联体轴承D21d7点94	Bearing	202150018	1
17	旋梭	Hook	211030001	1
18	联体轴承6201	Bearing	202150016	2
19	组合同步轮 S5M 16T32T W18	Timing Pulley	110030015	1
20	剪线薄拉杆 - HALO	Trimming Pull Rod	110030016	1
21	剪线驱动臂 - HALO	Thread Trimming Lever	110030017	1
22	铜套D12-d8	Oiled Bearing	105070014	2
23	旋梭轴 - HALO	Rotary Hook Shaft	110030018	1
24	梭床中盖板 - HALO	Cover	110030019	1
25	d8开口剪线连杆 - 锁紧反向	Drive Arm	110030020	1
26	剪线连杆台阶螺丝	Screw Pin	105070008	1
27	薄头销钉	Pin	105070022	1
28	扣线电磁铁连杆 - HALO	Picker Solenoid	110030021	1
29	扣线叉 - HALO	Picker Fork	110030022	1
30	扣线限位块 - HALO	Picker Fork Limit Block	110030023	1
31	护罩弹片	Shield Shell	110030024	1
32	O形橡胶圈	Rubber	110030025	1
33	同步轮 S5M 16T W47	Timing Pulley	110030026	1

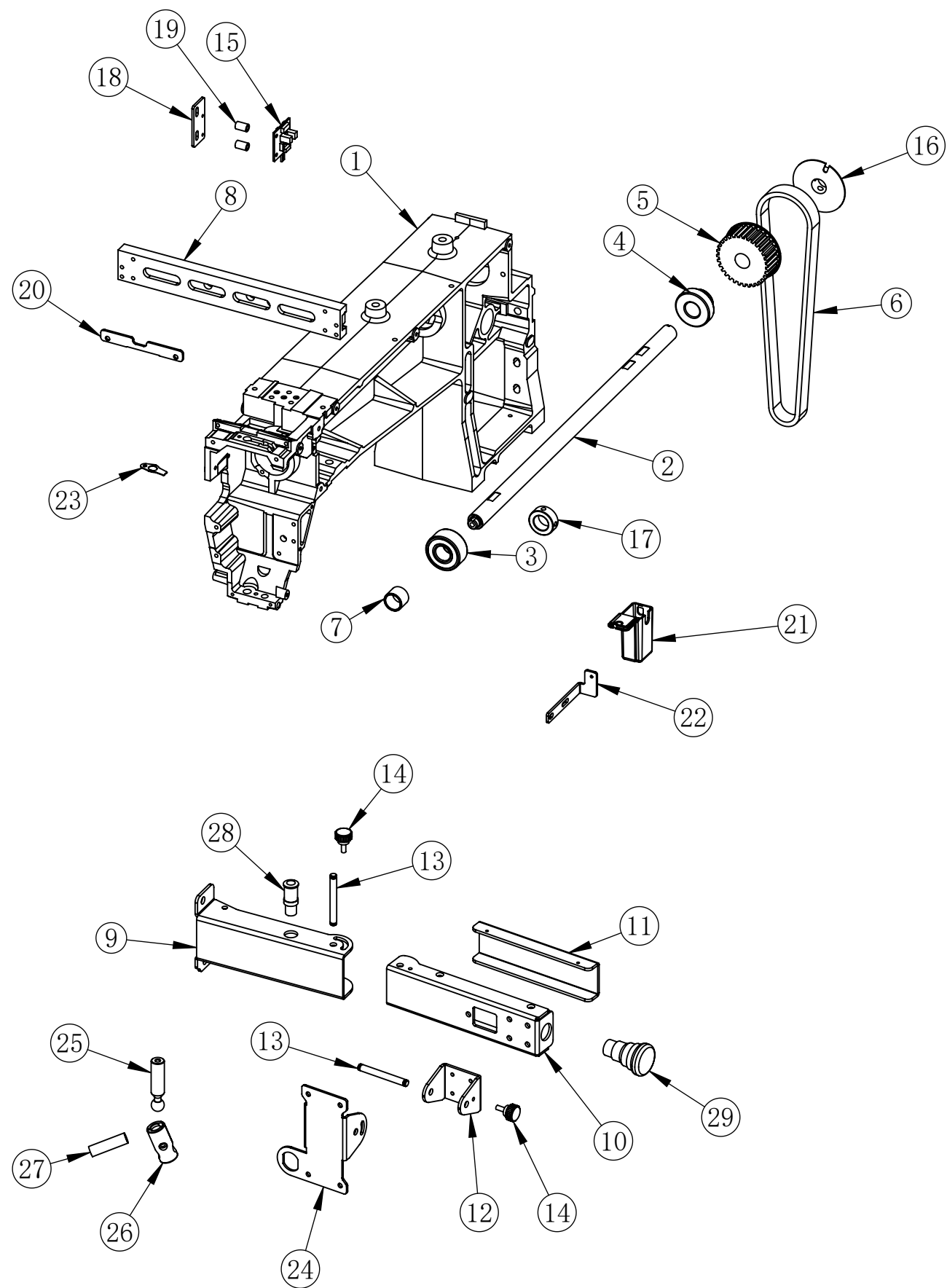
2 Machine Base 底座



2 Machine Base 底座

No.	Chinese Description	Description	Part No.	Qty
1	底座 - HALO	Machine Base	110110001	1
2	60电机安装座	Motor Base	110110002	1
3	主电机 - HALO	Motor	206070001	1
4	同步轮 S5M16TW13d8	Timing Pulley	110110003	1
5	主皮带S5ML390W12 - HALO	Timing Belt	204030022	1
6	电源开关座	Switch Base	110110004	1
7	总电源按钮开关	Switch	207060002	1
8	卡式电源插口DB14F2	Power Outlet	207060006	1
9	网口USB板	USB Board		1
10	42剪线电机安装板- HALO	Motor Base	110110005	1
11	剪线感应头	Sensor Plate	105070005	1
12	剪线连杆台阶螺丝	Screw Pin	105070008	1
13	剪线驱动杆 - HALO	Trimming Drive Rod	110070003	1
14	接近开关（马头剪线）	Limit Sensor	207030005	1
15	剪线驱动连杆 - HALO	Connecting Plate	110110010	1
16	橡胶缓冲套	Damper Ring	102090013	2
17	M式马头换色电机	Step Motor	206010004	1
18	长扶条 - 右	Rubber Handle R	110260001	1
19	长扶条 - 左	Rubber Handle L	110260002	1
20	底盆电子板下盖板	Under Cover	110260003	1
21	底脚调节螺栓	Adjust Bolt	110110006	4
22	护线圈d25	Line Trap	110260015	1
23	走线角座	Cable Bracket	110110009	1

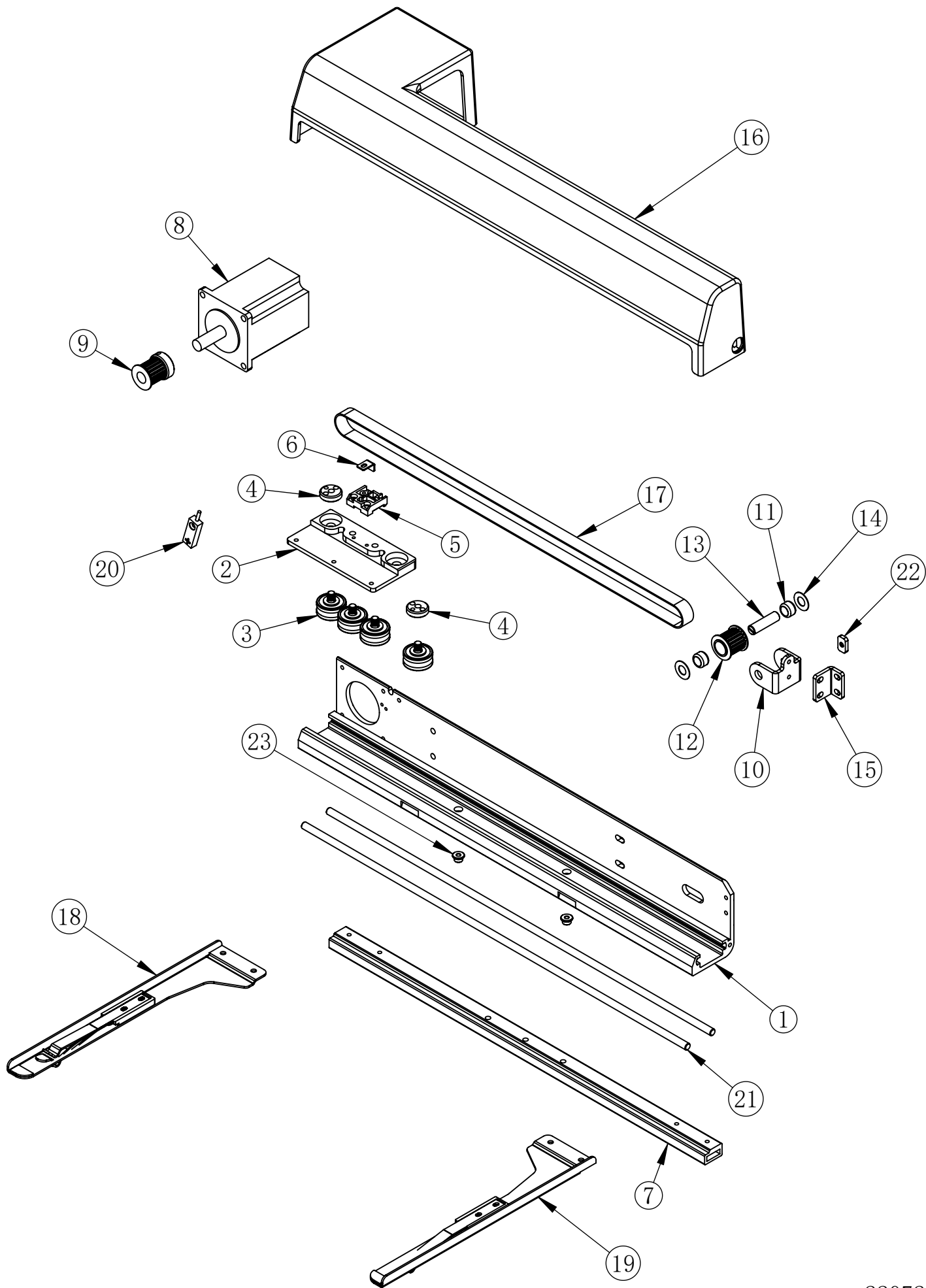
3 机头臂 Arm



3 机头臂 Arm

No.	Chinese Description	Description	Part No.	Qty
1	机头臂	Arm	110100001	1
2	上轴 - 压簧挑线 - HALO	Upper Shaft	110010002	1
3	双列轴承3202	Bearing	202020001	1
4	联体轴承6003d15	Bearing	202150003	1
5	马头上轴同步轮	Timing Pulley	105010024	1
6	马头机主皮带S5ML525W15	Timing Belt	204030008	1
7	上轴前隔圈	Front Collar	105010080	1
8	12针嵌装直线导轨L206	Guide Rail	203030016	1
9	显示器支架A段 - HALO	Stand A	110010004	1
10	显示器支架B段 - HALO	Stand B	110010005	1
11	显示器支架C段 - HALO	Stand C	110010006	1
12	显示器后座B	Back Bracket	110010007	1
13	转轴销D6	Pin D6	110010008	2
14	梅花螺栓M4	Bolt M4	110010009	2
15	主轴零位感应板	ZERO Board		1
16	零位感光轮-d15	Zero Postion Disk	105010007	1
17	上轴定位挡圈	Back Collar	105010079	1
18	零位光耦安装板	Plate	110010010	1
19	绝缘柱d4D7H11	Washer	110010011	2
20	针架换色导板	Guide Plate	110010012	1
21	机头上油杯	Oil Cup	110010013	1
22	机头油杯支架	Support	110010014	1
23	机头油管压片	Press Slice	110010016	1
24	显示器后支架体	Back Bracket B	110010017	2
25	红外线旋转柱头	Infrared Location Bracket	110010044	1
26	红外线塑料立柱	Infrared Location Bracket	110010045	1
27	红外线定位器	Infrared Location	207250001	1
28	按钮开关d12	Switch	207060004	1
29	小急停开关	Emergency Stop Switch	207060001	1

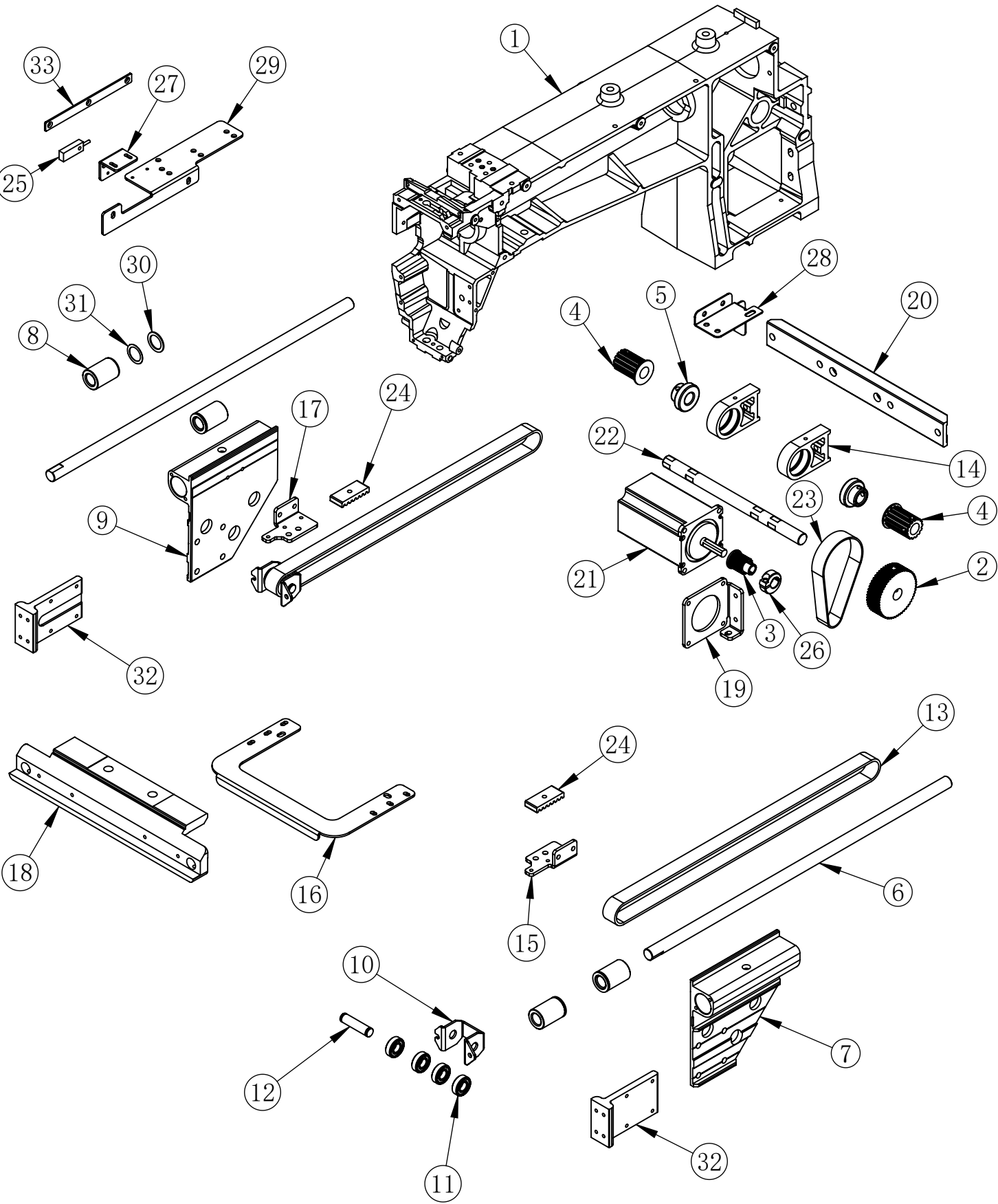
4 X Axis Guide Rail X向导轨



4 X Axis Guide Rail X向导轨

No.	Chinese Description	Description	Part No.	Qty
1	X框架底板 - HALO	X-Rail Base	110150001	1
2	X框架轴承安装板	Bearing Slide Block	110150002	1
3	U型轴承627U	U Bearing	202140002	4
4	调节偏心螺母M6	Eccentric Nut	110150003	2
5	X皮带压块 - 塑料	Belt Press Block	110150004	1
6	遮光感应片	Sensor Slice	110150005	1
7	扶手基板 X320	Hold Hand Base	110150006	1
8	马头X电机	Step Motor	206030002	1
9	X主动皮带轮 (S3M皮带W20)	Timing Pulley	105150036	1
10	X被动轮座 - HALO	Pilley Base	110150007	1
11	轴承NK0808	Bearing	202070002	2
12	X被动皮带轮 (S3M皮带W16)	Pulley	105150037	1
13	X被动轮轴 - HALO	Timing Pulley Shaft	110150008	1
14	四氟乙烯垫片d8	Washer	110150009	2
15	被动轮调节支架	Bracket	110150010	1
16	X驱动塑料主罩盖	Cover	110260004	1
17	X皮带S3ML810W12 - HALO	Timing Belt	204030020	1
18	左边扶手 - Y240 - HALO	Hold Hand L	110200001	1
19	右边扶手 - Y240 - HALO	Hold Hand R	110200002	1
20	接近开关	Limit Sensor	207030005	1
21	X框架轴承导向轴 - HALO	Guide Shaft	110150011	2
22	X被动轮支架固定块	Block	110150012	1
23	嵌入用螺母M4	Screw M4	110150050	2

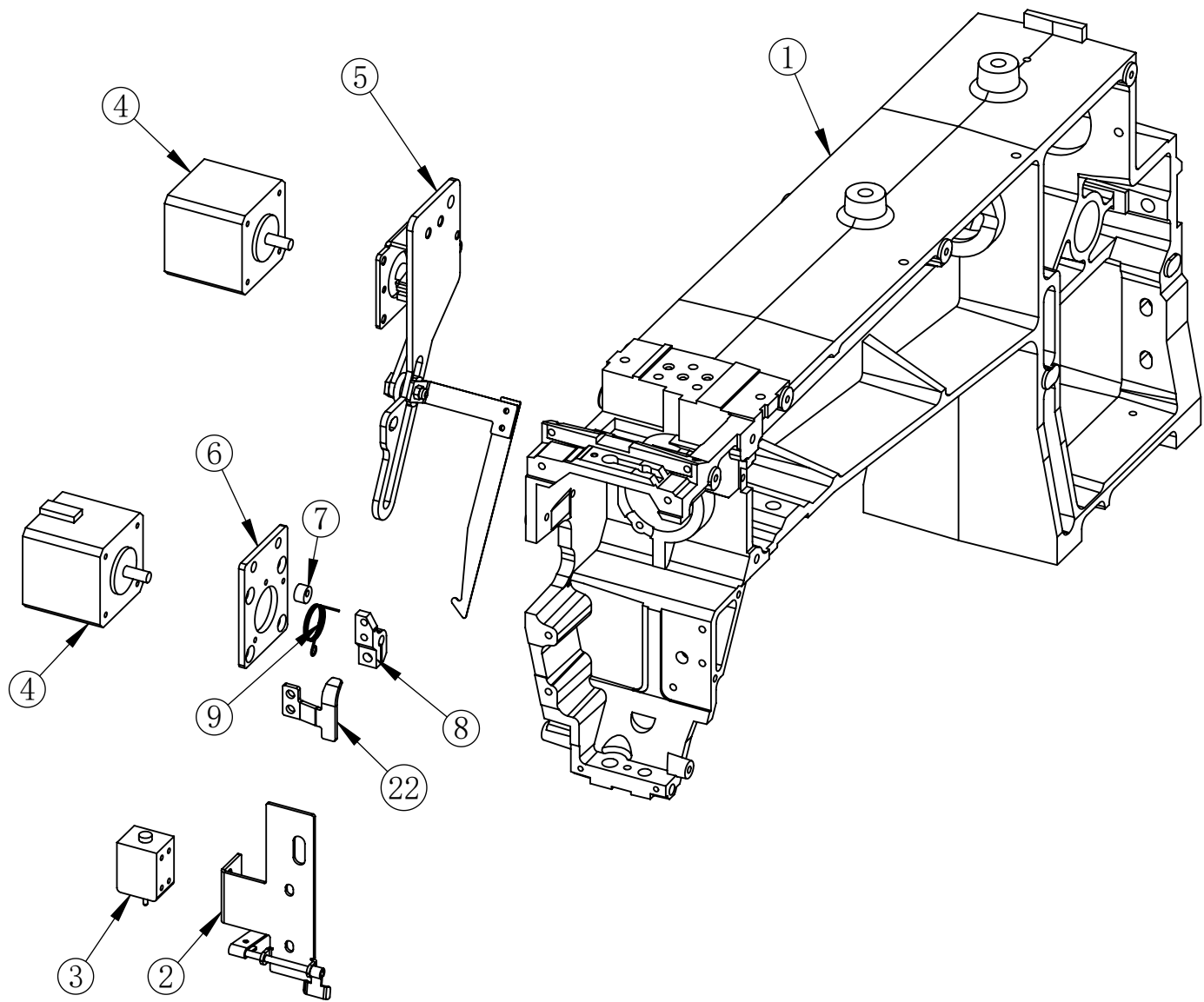
5 Y Axis Guide Rail Y向驱动



5 Y Axis Guide Rail Y向驱动

No.	Chinese Description	Description	Part No.	Qty
1	机头臂	Arm	110100001	1
2	Y电机大轮S3M54TW16 - d12	Timing Pulley	110150021	1
3	Y电机轮S3M18TW16 - d8	Timing Pulley	110150022	1
4	Y主动轮T5 14T d12	Timing Pulley	110150023	2
5	联体轴承S6902RS d12	Bearing	202150019	2
6	Y导向轴 - HALO	Y-Guide Shaft	110150024	2
7	Y滑块支架板（铝）-右	Support Plate R	110150046	1
8	铜套d12D21L30	Copper Cover	110150027	4
9	Y滑块支架板（铝）-左	Support Plate L	110150045	1
10	Y被动轮座 - HALO	Pulley Base	110150029	2
11	轴承699	Bearing	202010017	8
12	Y向被动轮轴 - HALO	Pulley Shaft	110150030	2
13	开口皮带T5-16	Timing Belt	204010006	2
14	Y大轮轴承座	Bearing Base	110150031	2
15	皮带压板支架 - 右	Bracket R	110150032	1
16	左右支撑板联结板	Support Plate	110150033	1
17	皮带压板支架 - 左	Bracket L	110150034	1
18	驱动前支架板	Front Bracket Plate	110150035	1
19	Y57电机座	Motor Base	110150036	1
20	驱动后支架板 - 挤压铝	Back Bracket Plate	110150037	1
21	Y电机 - HALO	Motor	206030001	1
22	Y驱动轴 - HALO	Y Drive Shaft	110150038	1
23	Y电机皮带S3M-237-15 - HALO	Belt	204030021	1
24	Y向皮带压板5MW16 - HALO	Press Block Up	110150039	2
25	接近开关（马头剪线）	Limit Sensor	207030005	1
26	齿轮抱紧套-d11	Collar	110150041	1
27	Y感应前置支架B	Y Sensor Base B	110150042	1
28	走线槽板 - 一体	Cable Plate	110150043	1
29	Y感应前置支架A	Y Sensor Base A	110150044	1
30	垫片D21d15T1	Washer	110150049	4
31	波形垫圈D20.5d15T0.3	Spring Washer	201230003	4
32	支架板下连接块	Support Block	110150047	2
33	Y感应钢条 - HALO	Y Sensor Plate	110150040	1

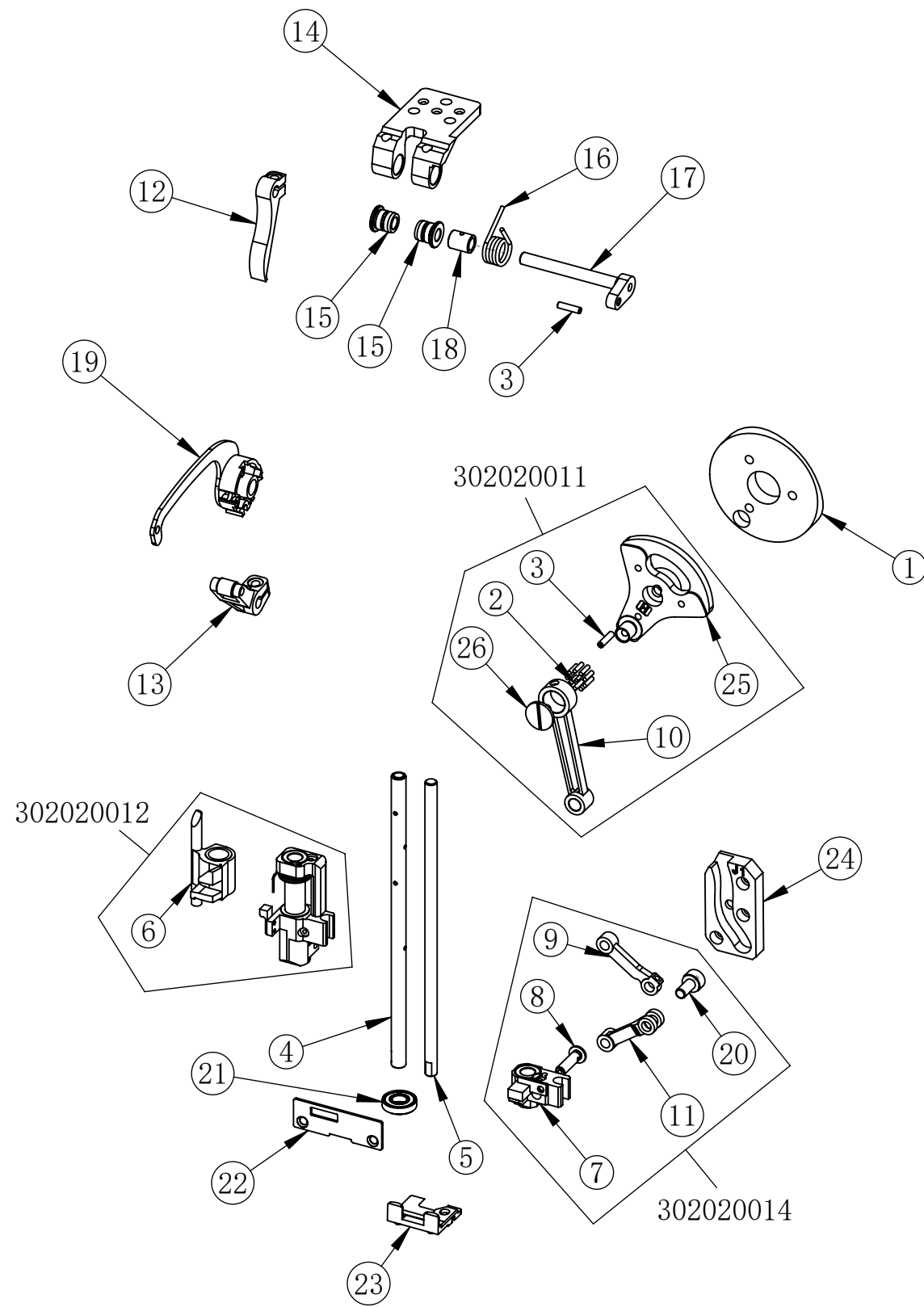
6-1 Jump Motor 机头跳跃 勾线 面夹



6-1 Jump Motor 机头跳跃 勾线 面夹

No.	Chinese Description	Description	Part No.	Qty
1	机头臂	Arm	110100001	1
2	锁线装置组件 - HALO	Thread Lock Set	302010048	1
3	面线夹电磁铁（小）	Solenoid	206150001	1
4	勾线跳跃电机 - HALO	Motor	206010001	2
5	勾线组件（不带电机）-M式马头	Thread Hook Set	302010028	1
6	马头跳跃电机板	Motor Base	105040005	1
7	橡胶缓冲套	Damper Ring	102090013	1
8	跳跃夹紧块-马头	Jumping Lever	105040007	1
9	马头跳跃弹簧	Spring	105040006	1

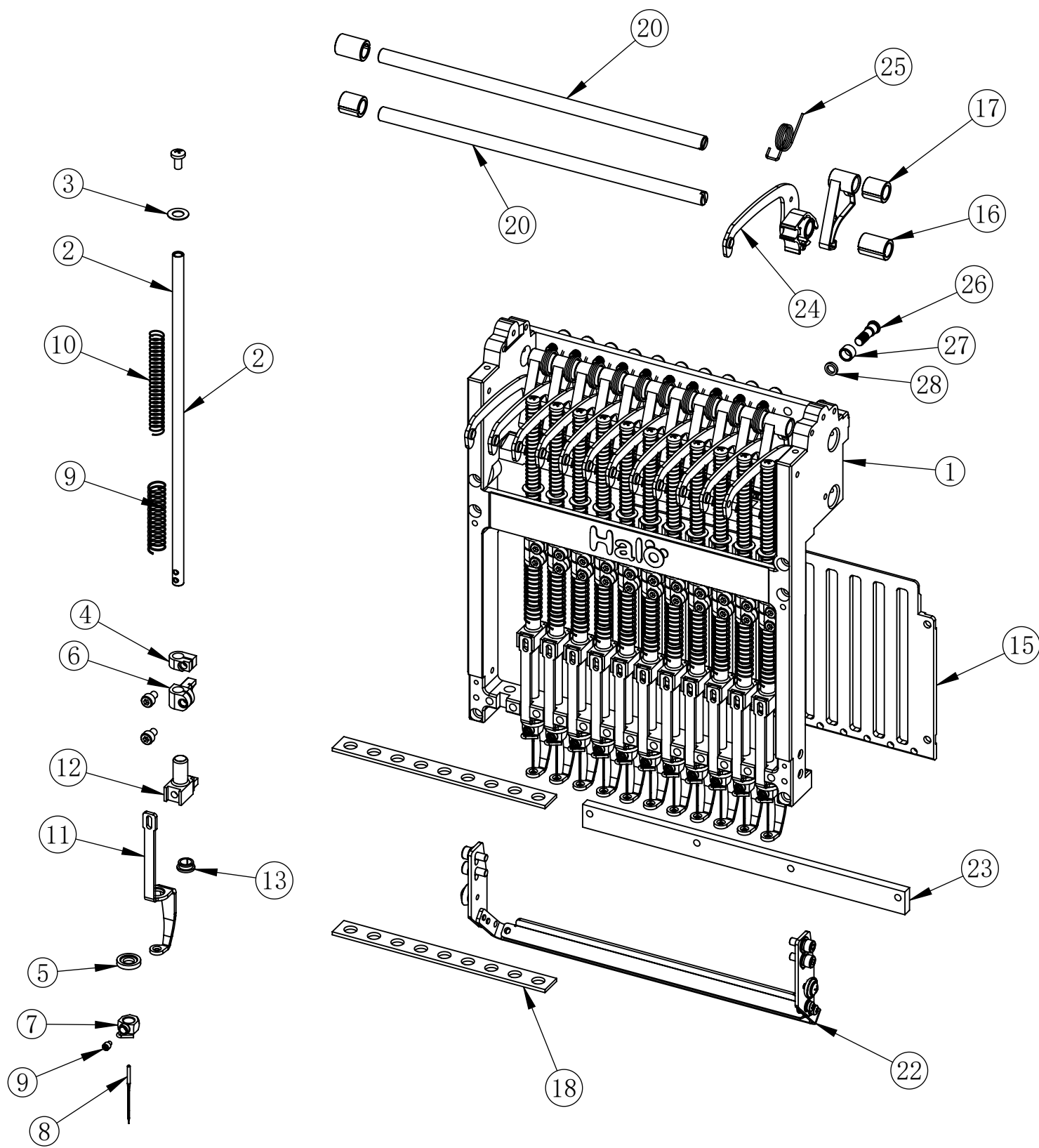
6-2 针杆驱动 挑线驱动 Needle Bar Driving Cam Set



6-2 针杆驱动 挑线驱动 Needle Bar Driving Cam Set

No.	Chinese Description	Description	Part No.	Qty
1	马头压簧挑线凸轮	Take-Up Cam	110010021	1
2	保持架滚针轴承 D12d8H7.8	Bearing	202070004	1
3	齿形开口销D3	Pin	110010022	1
4	针杆驱动轴	Needle Bar Drive Shaft	105010027	1
5	压脚轴 - HALO	Shaft	110010023	1
6	驱动块 - M式	Needle Bar Reciprocator	110010024	2
7	压脚驱动块本体 -M式	Presser Foot Block	110010025	1
8	压脚块挡边销d5	Pin	110010026	1
9	侧槽压脚连杆 - 上	Connecting Rod Up	110010027	1
10	马头机大连杆	Big Rod	110010028	1
11	侧槽压脚连杆 - 下	Connecting Rod Do	110010029	1
12	压簧挑线弧槽驱动臂	Drive Rod	110010030	1
13	马头压簧挑线杆B	Spring Trestle Rod	110010031	1
14	挑线臂支点座	Take-up Bar Base	110010032	1
15	支点轴铜套A	Copper	110010033	1
16	挑线扭簧	Spring	110010034	1
17	马头压簧支点轴臂	Thread Trimming Lever	110010035	1
18	压簧套圈	Spring Collar	110010036	1
19	挑线杆片	Take-Up Lever	110010038	1
20	带销轴承D10d5	Bearing	110010039	1
21	下导轨轴承	Bearing	202010004	1
22	针杆箱下导板	Guide Plate	110010041	1
23	下导轨定位勾	Positioning Hook	110010042	1
24	压脚凸轮J1	PressFoot Cam J1	110010040	1
25	针杆驱动半圆偏心块 -M式	Arm Cam	110010018	1
26	曲轴M4螺丝	Screw	105010065	1

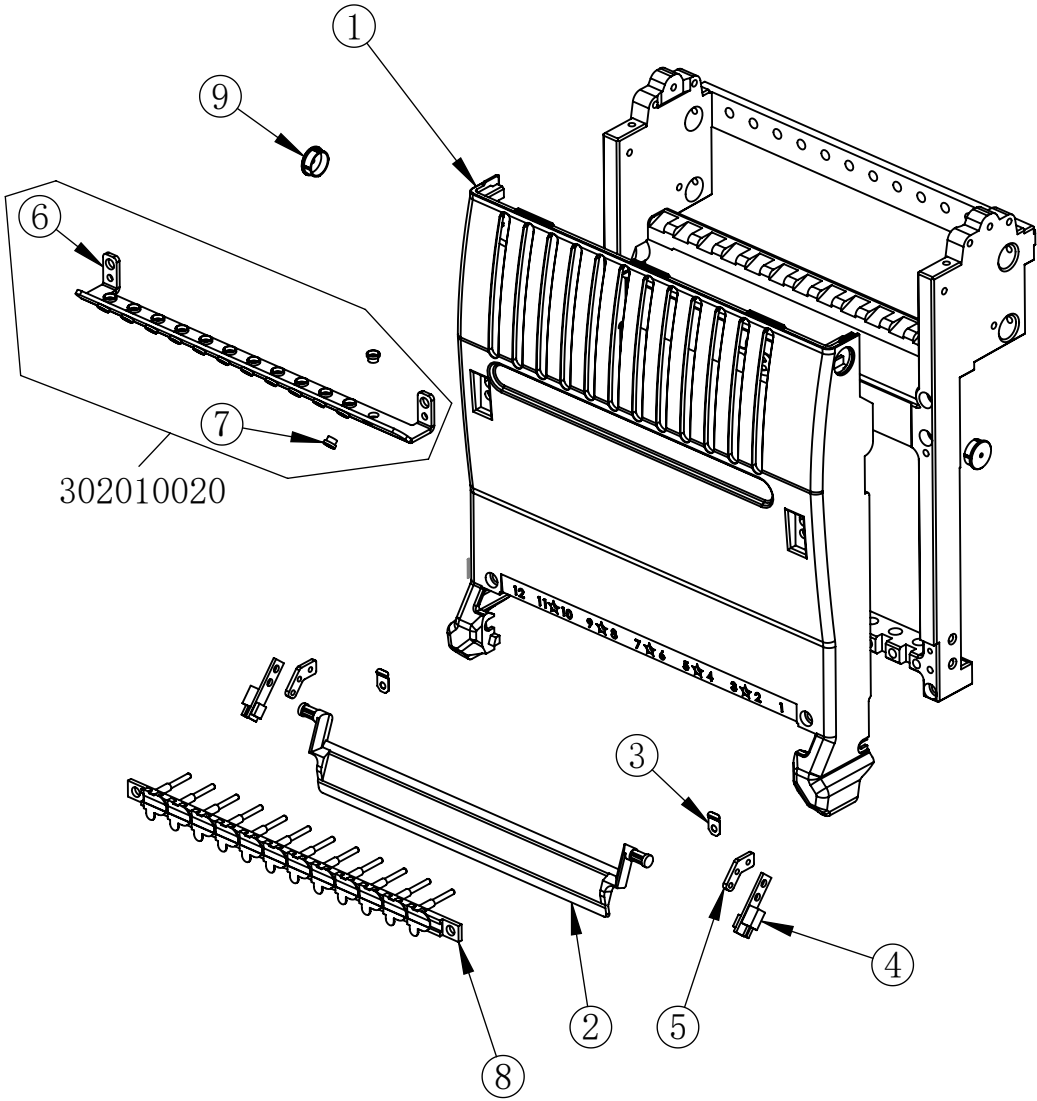
7-1 Needle Bar Take Up Lever 针杆架



7-1 Needle Bar Take Up Lever 针杆架

No.	Chinese Description	Description	Part No.	Qty
1	12针针杆架 - HALO	Needle Case	110020001	1
2	针杆L217	Needle Bar	105020005	12
3	上弹簧垫片	Washer		12
4	上死点	Stopper Upper Poin	102020008	12
5	压脚下弹圈	Washer	102020057	12
6	下死点	Needle Bar Connecting Stu	102020009	12
7	针夹（连螺钉）	Needle Clamp	102020016	12
8	机针-11#	Needle	211090005	12
9	压脚弹簧	Compression Sprin	102020010	12
10	针杆上弹簧	Upper Spring	102020005	12
11	压脚-56	Presser Foot	102020014	12
12	压脚调节套	Presser Foot Set Clamp	102020013	24
13	压脚中塑料套	Presser Foot Bushing	102020012	12
14	自扣	Lever Stopper	102020032	13
15	12针针杆导板	Baffle	105020008	1
16	开口轴衬L16	Split Collar	102020022	2
17	开口轴衬L12	Split Collar	102020017	2
18	下毛毡垫 9N	Felt Packing	102020015	2
19	麻垫	Damper Ring	102020007	1
20	挑线杆导向轴-12针	Guide Shaft	102020035	2
21	挑线杆片	Take-Up Lever	110010038	1
22	下毛刷组件-12针	Thread Holder	302010042	1
23	下导轨条	Lower Guide Rail	203030022	1
24	挑线杆片	Take-up Lever	0102020019	12
25	马头机自扣弹簧	Spring	105020022	12
26	分段销	Pin	105080017	12
27	换色滚珠	Collar	105080016	12
28	垫片	Bushing	105080018	12

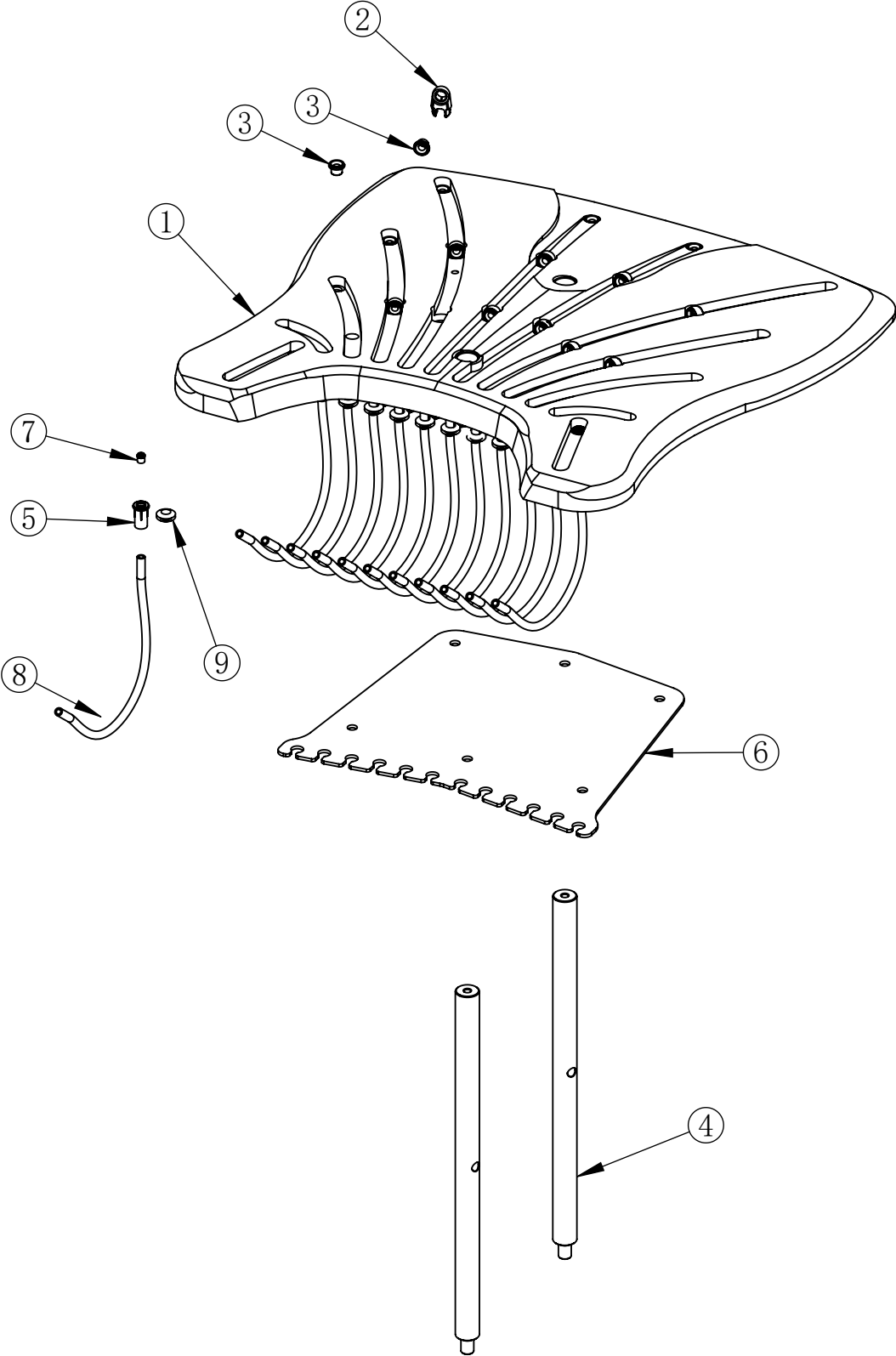
7-2 Head Cover Thread Lock 面盖、中下过线



7-2 Head Cover Thread Lock 面盖、中下过线

No.	Chinese Description	Description	Part No	Qty
1	主面盖-12针 - HALO	Protect Cover	110020002	1
2	针透明保护板 - 12针	Protect Plate	110020003	1
3	保护板弹片	Plate Shrapnel	110020004	2
4	LED侧灯	LED		2
5	Led灯底板	Led Base	110020005	2
6	整面板中过线 -12针	Middle Thread Course Shaft	110020006	1
7	瓷眼D4. 3d2. 4H3	Porcelain Sleeve	102020020	24
8	下面线压线架 - 12针	Thread Press Set	110020007	1
9	螺丝盖头	Screw Cover	110260014	2

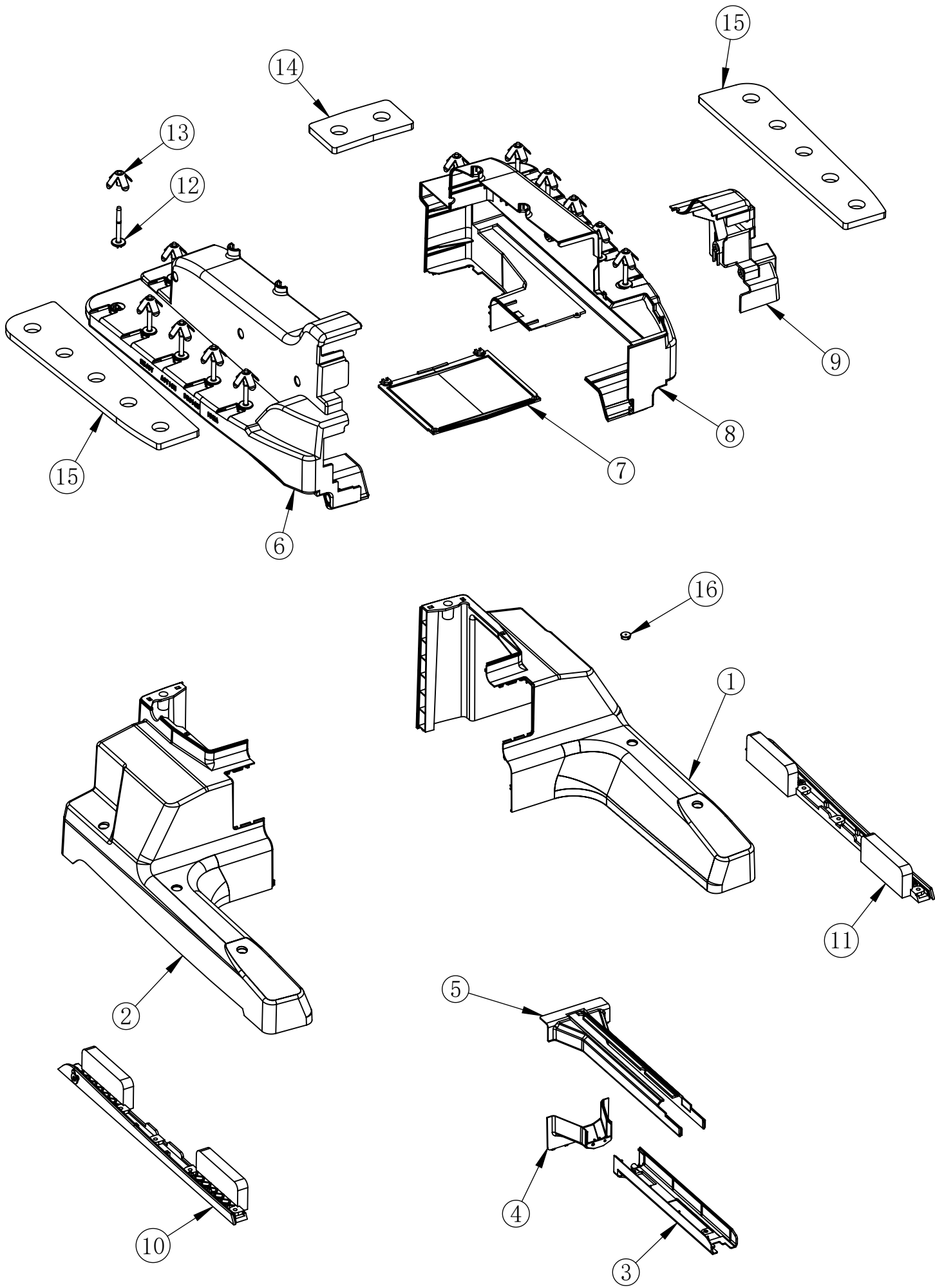
8 Thread Stand 线架



8 Thread Stand 线架

NO.	Chinese Description	Description	Part No.	Qty
1	塑料线架板 - HALO	Wire Feame Plate	110210001	1
2	线架瓷眼座	Porphyry Eye Base	110210002	10
3	线架瓷眼D6点8	Porphyry Eye	110210013	22
4	线架立柱	Thread Stand	110210003	2
5	导线管套头 - 线架端	Plastica Collar	110210004	23
6	线盘加强板	Thread Stand Plate	110210005	1
7	套头内瓷套	Porcelain Sleeve	110210006	23
8	透明线管	Line Pipe	110210007	12
9	双面护线橡胶圈d6	Rubber Ring	110210008	23

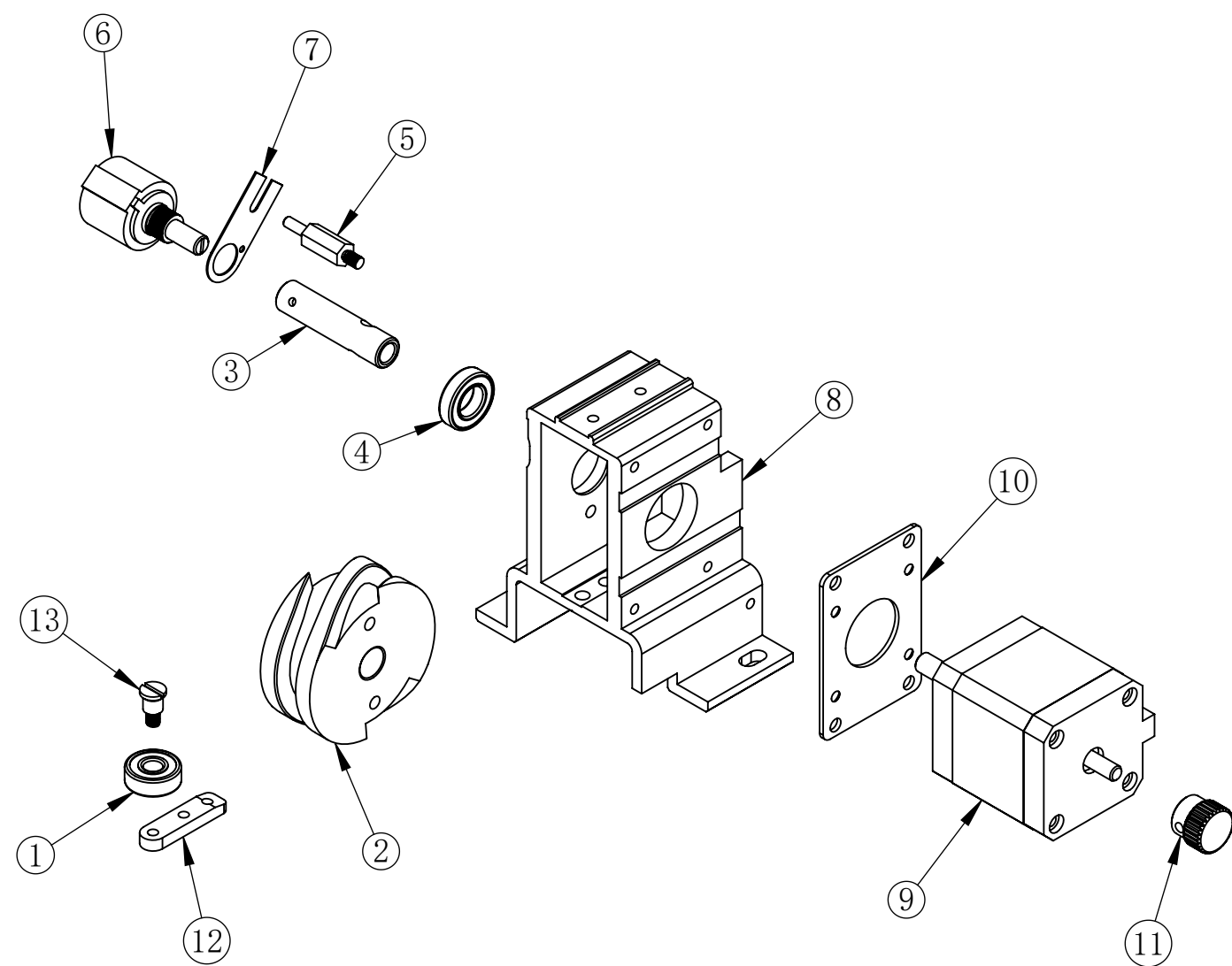
9 Machine Cover 机器罩盖



9 Machine Cover 机器罩盖

No.	Chinese Description	Description	Part No.	Qty
1	底座罩盖 - 右	Base Cover R	110260005	1
2	底座罩盖 - 左	Base Cover L	110260010	1
3	梭床下罩盖 - 前段	Hook Base Cover Front	110260006	1
4	梭床下罩盖 - 后段	Hook Base Cover Back	110260007	1
5	梭床上罩盖	Hook Base Cover Upper	110260008	1
6	机头罩盖 - 左	Arm Cover L	110260009	1
7	机头罩盖 - 中前下	Arm Cover Mid	110260011	1
8	机头罩盖 - 右	Arm Cover R	110260012	1
9	机头罩盖 - 右 - 前小块	Arm Cover R Small	110260013	1
10	长扶条 - 左	Rubber Handle L	110260002	1
11	长扶条 - 右	Rubber Handle R	110260001	1
12	线团钉 - HALO	Pin	110210011	12
13	线团伞 - HALO	Umbrella	110210012	12
14	线团软垫 - 后	Back Cushioning	110210010	1
15	线团软垫	Cushioning	110210009	2
16	螺丝盖头	Screw Cover	110260014	15

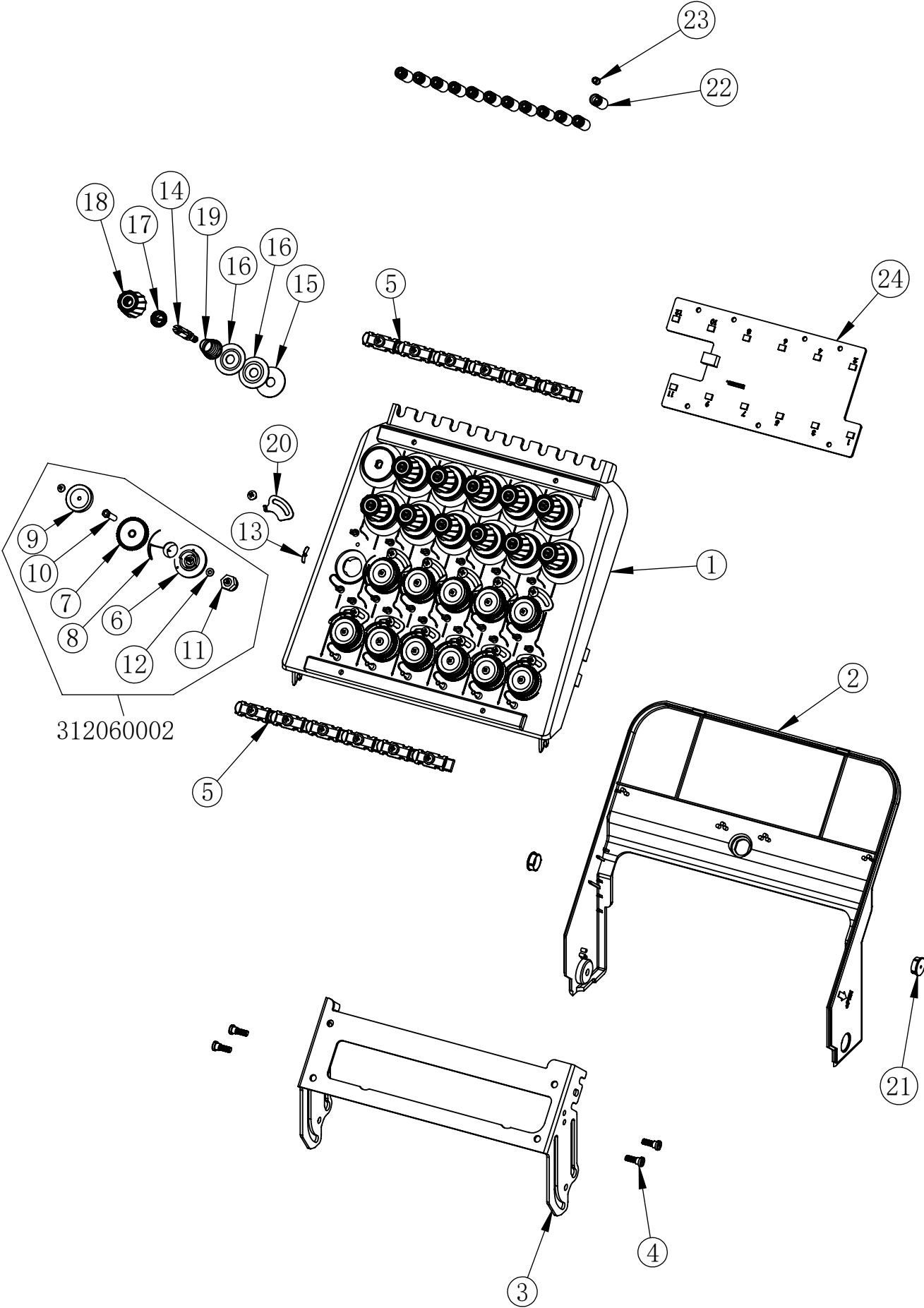
10 Color Change Parts 换色



10 Color Change Parts 换色

No.	Chinese Description	Description	Part No.	Qty
1	轴承606z	Bearing	202010012	1
2	换色 凸轮	Cam	105080001	1
3	换色凸轮轴套 - HALO	Bushing	110080002	1
4	轴承6800z	Bearing	202010011	1
5	电位器螺栓	Fixed Bolt	105080004	1
6	马头机换色电位器	Potentiometer	207020001	1
7	电位器支撑板	Potentiometer Support	105080010	1
8	换色底座 - 铝型材	Color Change Base	110080001	1
9	M式马头换色电机	Motor	206010004	1
10	42换色电机板	Motor Plate	110080003	1
11	电机旋钮 - HALO	Handle	110080004	1
12	自扣轴承板	Bearing Plate	110080005	1
13	换色轴承台阶销d6L12	Pin	105080005	1

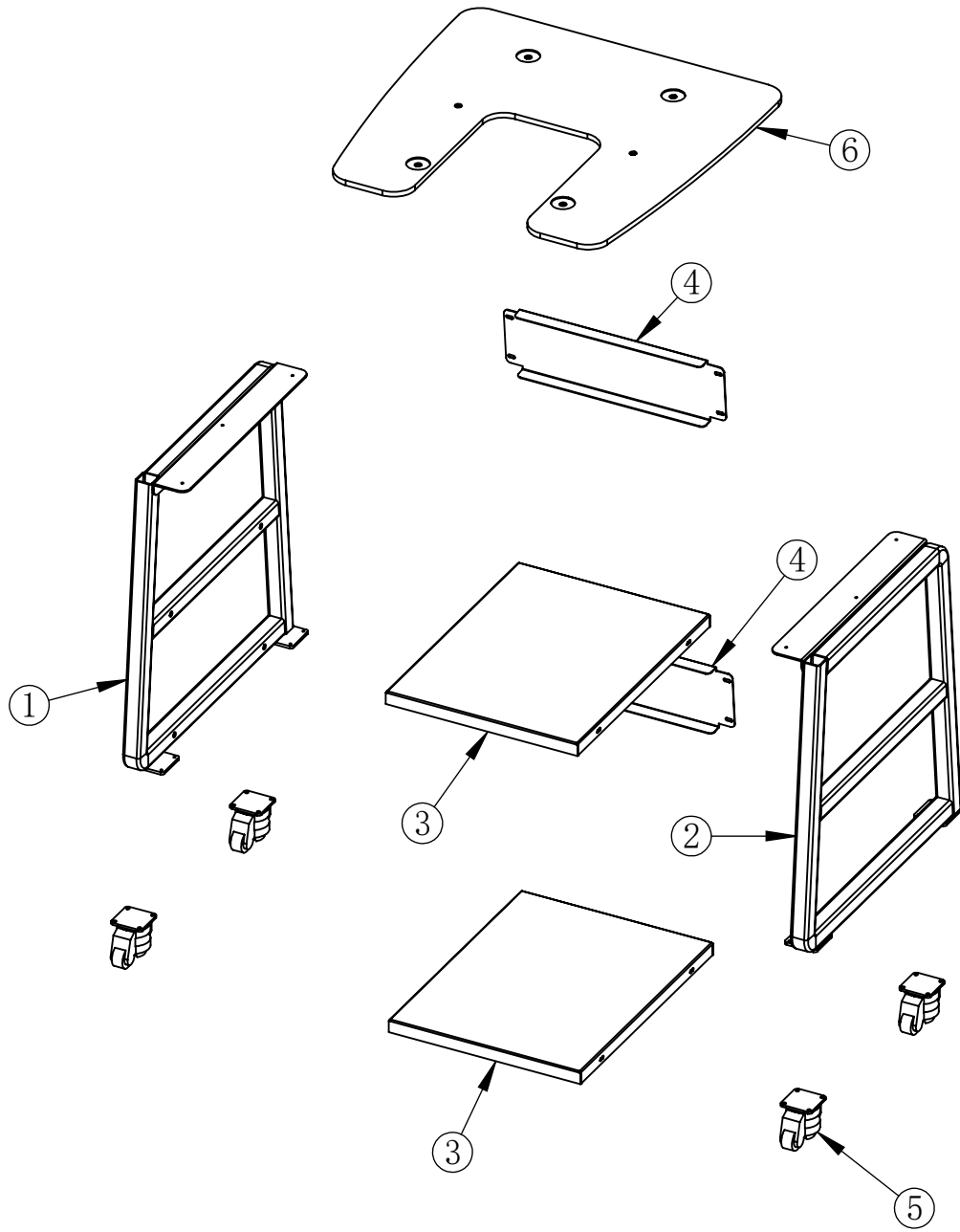
11 Thread Tension Base 夹线器



11 Thread Tension Base 夹线器

No.	Chinese Description	Description	Part No.	Qty
1	夹线座-前片	Thread lead Plate-Front	110060001	1
2	夹线座-后片	Thread lead Plate- Back	110060002	1
3	夹线器前板支架	Support	110060003	1
4	台阶螺丝M4L14	Screw M4L14	110060005	4
5	过线压线条组件	Thread Press Set	312010013	2
6	过线簧下座套	Spring Pocket-Under	110060007	12
7	过线簧上座套	Spring Pocket-Under	11060008	12
8	挑线弹簧	Pick Thread Spring	110060009	12
9	过线轮	Thread Wheel	110060010	12
10	铜轮轴	Copper Wheel Shaft	110060011	12
11	六角磁块带螺柱	Magnetic Screw	110060022	12
12	垫片M2点5	Washer		12
13	底座弹簧片	Base Spring Sheet	110060020	12
14	带孔开槽螺栓	Slotted Bolt With Hole	110060014	12
15	夹线片下毛毡	Felt	110060015	12
16	旋钮夹线片	Thread Clamp Piece	110060016	24
17	止退棘环	Check Back Ring	110060017	12
18	上旋钮	Upper Knob	110060018	12
19	宝塔弹簧d点4	Pagoda Spring	110060019	12
20	过线簧挡片	Spring Catch	110060021	12
21	螺丝盖头	Screw Cover	110260014	2
22	导线管套头-夹线器端	Collar	110060006	12
23	套头内瓷套	Porcelain Sleeve	110210006	12
24	磁感应板 - 12针	PCB	110060004	1

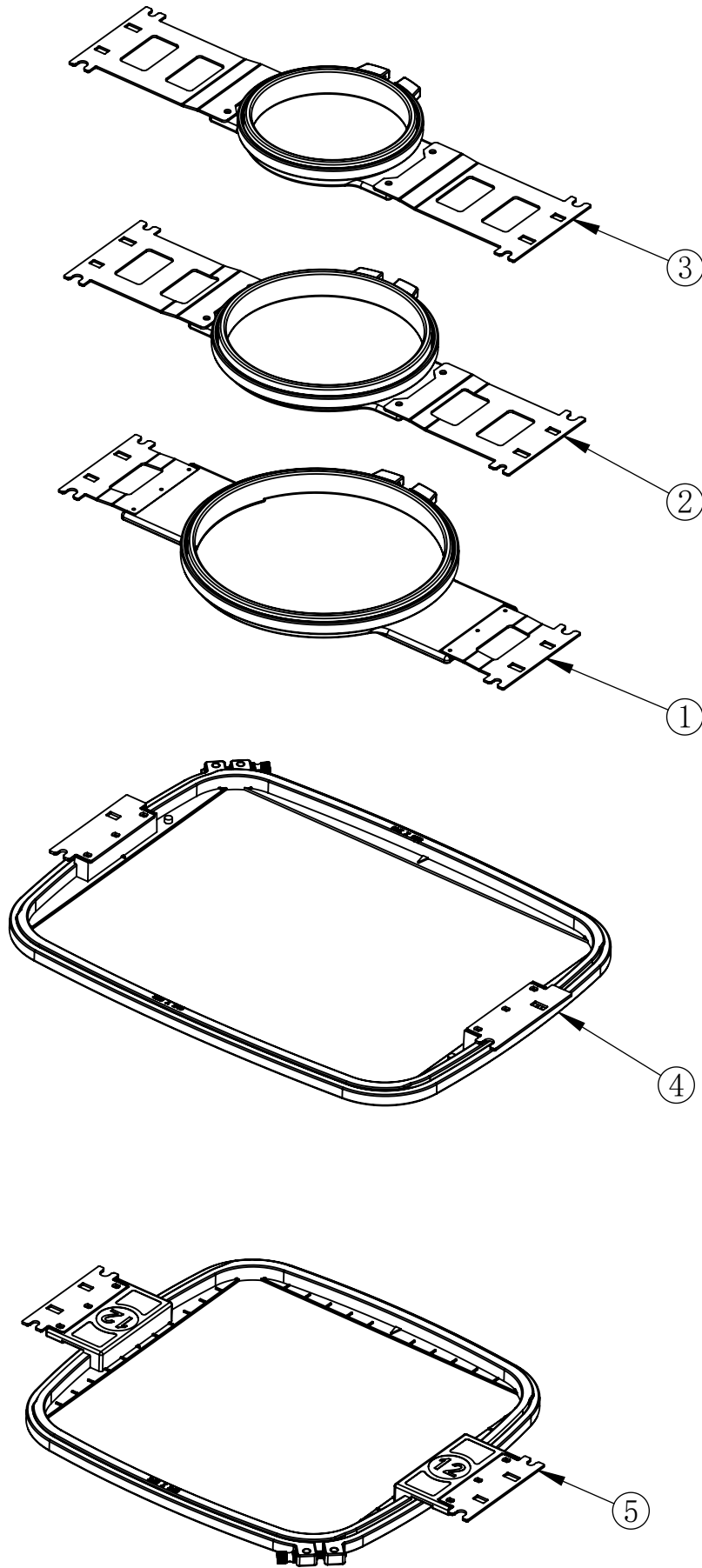
12 Stand 底架



12 Stand 底架

No.	Chinese Description	Description	Part No.	Qty
1	底架侧档 - 左	Side Frame L	0110120001	1
2	底架侧档 - 右	Side Frame R	0110120002	1
3	下平板	Lower Plate	0110120003	2
4	后侧上板	Back Plate	0110120004	2
5	脚轮BS-60	Wheels BS-60	0210010004	4
6	台板 - 方管后联	Table	0110130001	1

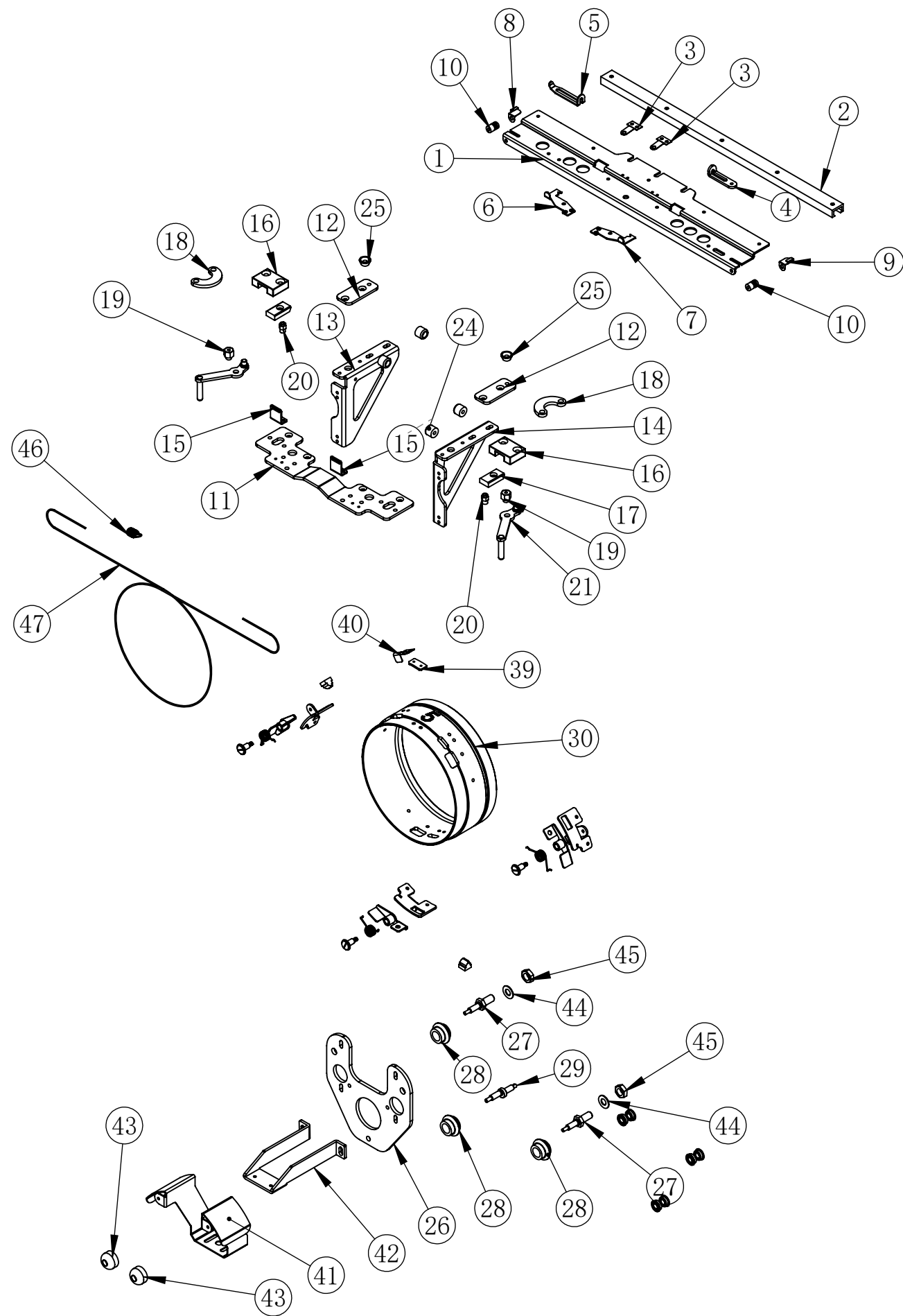
13 Embroidery Frame 花架



13 Embroidery Frame 花架

No.	Chinese Description	Description	Part No.	Qty
1	绷架-4# 灰色190 - HALO	Round Frame-190	316010023	1
2	绷架-3# 灰色150 - HALO	Round Frame-150	316010022	1
3	绷架-2# 灰色120 - HALO	Round Frame-120	316010021	1
4	绷架-1# 灰色320*240 - HALO	Rectangle Frame	316060001	1
5	绷架-12# 灰色240*240 - HALO	Rectangle Frame	316060007	1

14 Cap Stand Frame 帽绣组件

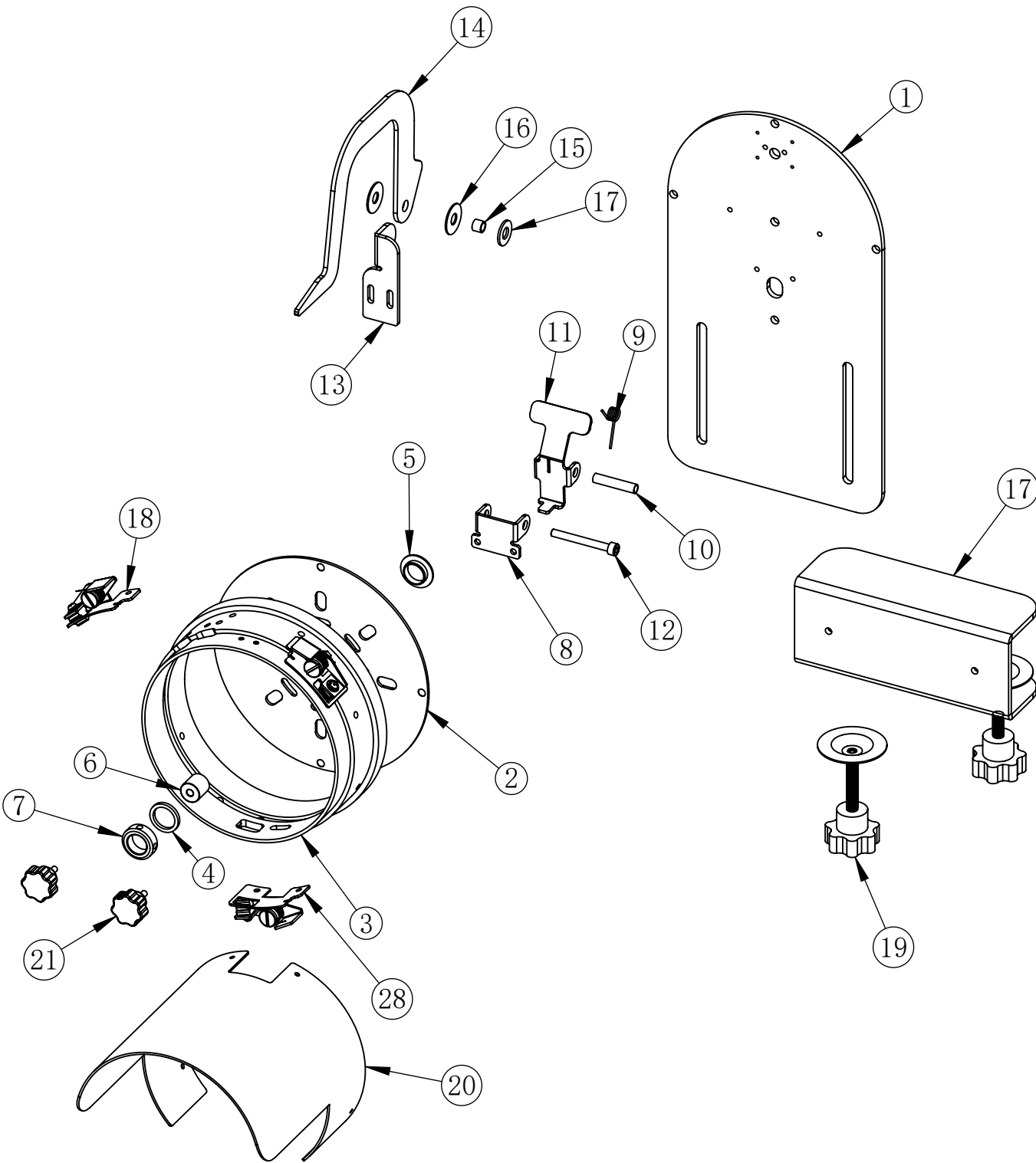


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14 Cap Stand Frame 帽绣组件

No.	Chinese Description	Description	Part NO.	Qty
1	上大铝板	Main Plate	0110200020	1
2	尼龙长条	Nylon Guide	0110200021	1
3	弹性片	Shrapnel	0110200022	2
4	钢丝调节块1	Regulating Block	0110200023	1
5	钢丝调节勾	Adjusting Hook	0110200024	1
6	扣片	Gusset Plate	0110200025	2
7	镜向扣片	Gusset Plate	0110200026	1
8	固定弹片	Fixing Plate	0110200027	2
9	镜向固定弹片	Fixing Plate	0110200028	1
10	钢丝过道	Wire Aisle	0110200029	2
11	凸性铝板	Concave-Convex Plate	0110200030	1
12	前后调节铝片	Adjusting Panel	0110200031	2
13	左脚	Left Foot	0110200032	2
14	镜向左脚	Right Foot	0110200033	1
15	锁片	Lock Seat	0110200034	2
16	轨道铝块	Guide Block	0110200035	2
17	70度前压块	Movable Block	0110200036	2
18	旋转扣	Rotating Buckle	0110200037	2
19	旋转螺母	Nuts	0110200038	2
20	旋转螺母 - 滑块处	Rotating Nuts	0110200039	2
21	旋转摇柄	Handle	0110200040	2
24	尼龙导向块 - 支架	Nylon Block	0110200041	4
25	70度后压块	Limit Ring	0110200042	2
26	滚轮底板	Bottom Plate	0110200043	1
27	轮心轴	Pin A	0110200044	2
28	配偏心轴尼龙轮-2	Wheel	0110200045	3
29	偏心轴-2	Pin B	0110200046	1
30	帽圈 - 圆弧槽	Circle	0110200047	1
39	卡口小铁片	Metal plate	0110200048	1
40	边圈勾片	Shrapnel	0110200049	3
41	前支架 - 外	Anterior Bracker A	0110200050	1
42	前支架 - 里	Anterior Bracket B	0110200051	1
43	尼龙导向轮	Guide Wheel	0110200052	2
44	16垫片	Spacer		3
45	螺母	Nuts		3
46	钢丝弹簧	Spring	0110200053	1
47	钢丝	Wire	0110200054	1
48	带台阶轴承D12d6H4	Bearing		6

17-2 Cap Frame Parts 帽座组件



17-2 Cap Frame Parts 帽座组件

No.	Chinese Description	Description	Part No.	Qty
1	帽架支架平板 - 带旋转	Cap Frame Main Su	110200003	1
2	帽架帽圈后板	Back Palte	110200004	1
3	帽座帽圈	Cap Tube	110200005	1
4	轴芯尼龙隔套	Ring	110200006	1
5	轴芯耐磨衬套	plastics Collar	110200007	1
6	轴芯 - 旋转	Pin	110200008	1
7	轴芯挡圈	Collar	110200009	1
8	扳扣底板	Trigger Base Plate	110200010	1
9	扳扣扭簧	Trigger Spring	110200011	1
10	扳扣转轴	Trigger Shaft	110200012	1
11	扳扣板	Trigger	110200013	1
12	M5螺丝 - 45半牙	Screw		1
13	对位板底板	Location Base Plate	110200014	1
14	对位板	Location Plate	110200015	1
15	对位板空心转轴	Location Shaft	110200016	1
16	尼龙垫片D22d8H1	Insulation Spacer	110200017	2
17	帽架支架U板	Support U Plate	110200019	1
18	帽圈卡扣组件A	Snap Set A	317010011	1
28	帽圈卡扣组件B	Snap Set B	317010012	2
19	帽座手柄A	Handle A	103240011	2
20	帽檐	Brim of a hat	103240006	1
21	梅花手柄螺丝M4L10	Screw	110200055	2