

超 高 速 包 缝 机 N21A系列

SUPER HIGH-SPEED OVERLOCK SEWING MACHINE

使 用 说 明 书
OPERATION MANUAL

零 件 手 册
PARTS BOOK

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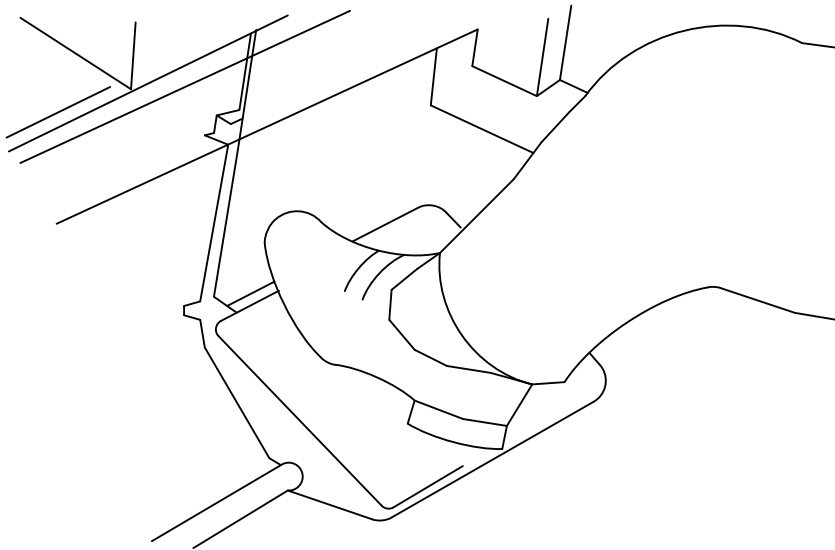
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警示

对于缝纫机本身及各种装置，我们充分考虑到他的安全性。请遵照基本的操作方法，安全的进行工作。

- 拆除为保证安全所设置的装置、零件的情况下使用，是非常危险的，请绝对不要拆除后使用。
- 缝纫机在使用时，请不要在缝纫机台板上放置工具及缝纫时不必要的东西。
- 在对缝纫机进行检修、调节、清扫、穿线、换针等时，为防止发生事故，务必请切断电源。在确定即使踩缝纫机踏板，缝纫机也不动之后，再进行操作。



- 在离开缝纫机台时，请务必关掉电源。
- 停电时也请务必关掉电源。
- 为了总是安全地、运转良好的使用缝纫机，经常的检查是不可缺少的。请予以注意。

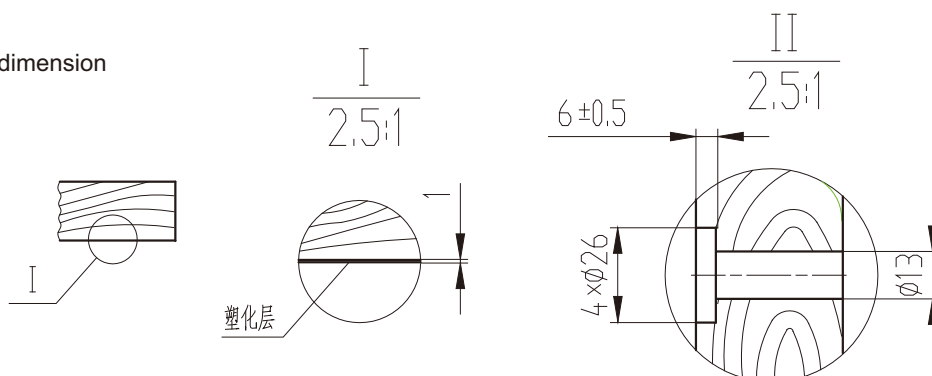


CAUTION

Observe the safety precautions though takes the utmost care to produce safe sewing machines and devices, operators should follow these basic safety rules.

- To prevent accidents, do not remove safety devices or parts while operating the machine.
- Do not leave tools or other unnecessary objects on the machine table while operating the machine.
- Before maintenance, adjusting, cleaning, threading or replacing the needle, and to prevent accidents, be sure the power is turned off. Check that the machine will not operate when the pedal is pressed.

- Turn the power off before leaving the machine table.
- In the event of a power failure, be sure to turn the machine off.
- Check that the machine is securely grounded.

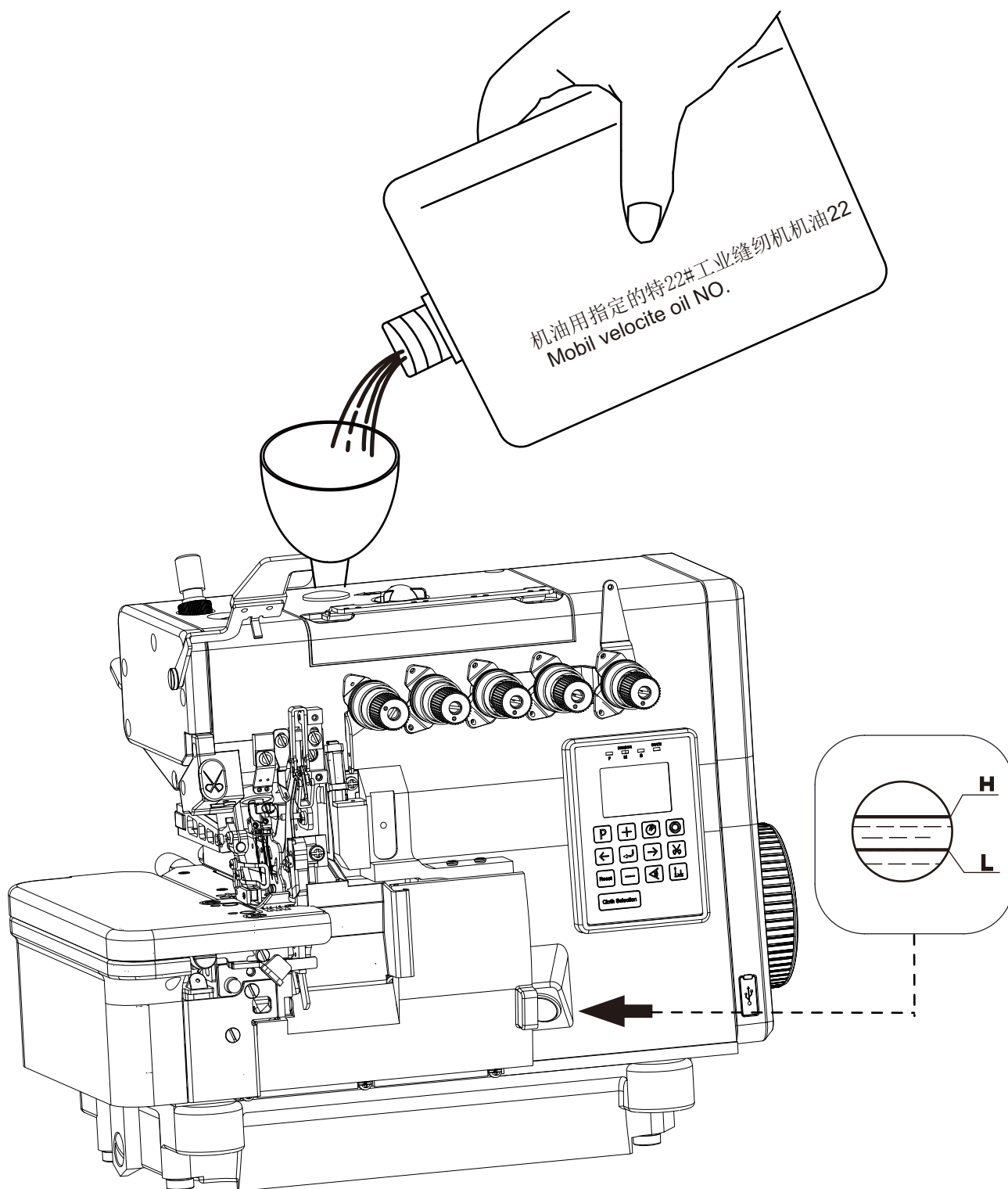


加润滑油 Lubrication

加油量是使油面处于H线与L线之间为好。
当油量低于L线时，就要及时补充机油。

After filling the oil , the top of the indicator
should lie between (H)and(L) lines.

Add oil,when the oil level indicator reaches or
goes below(L).



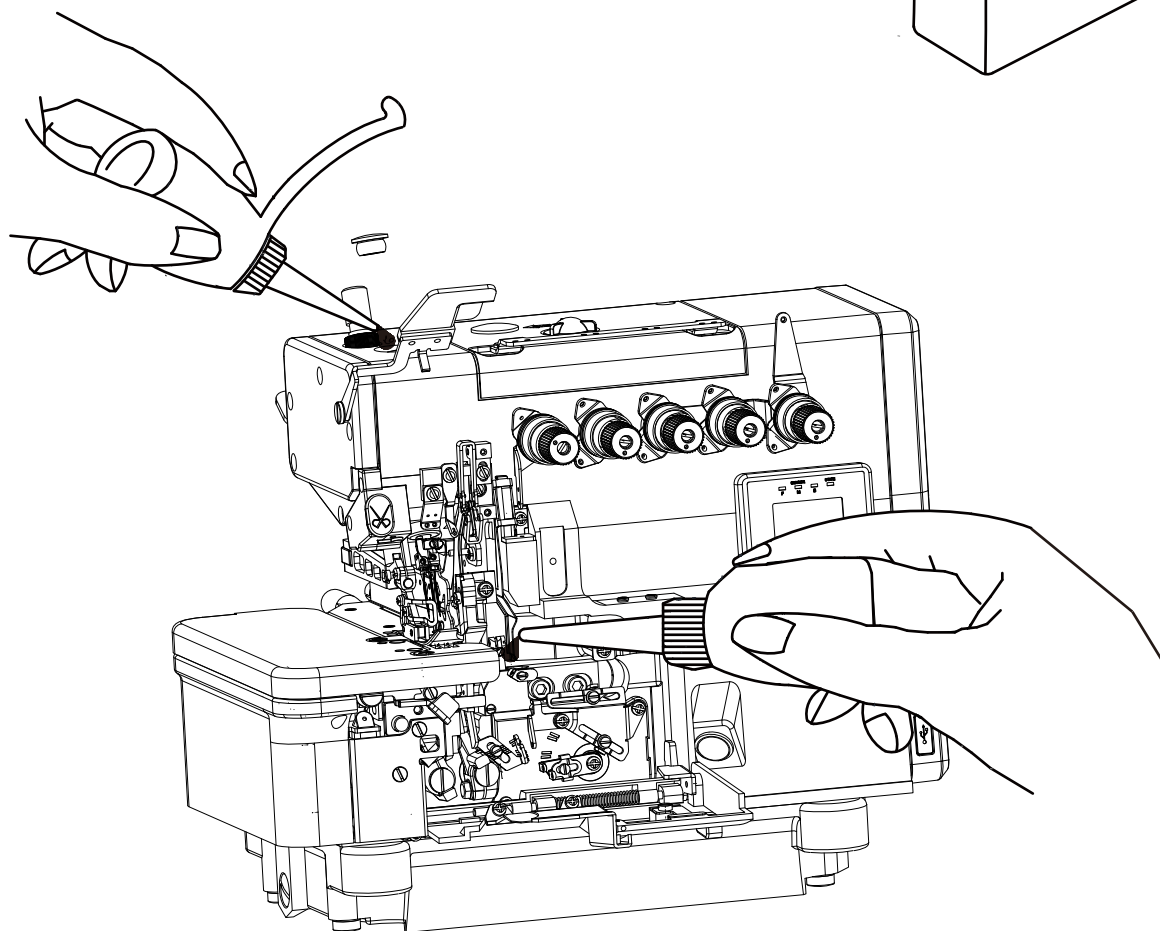
手动给油 Manual Lubrication

手动给油是在缝纫机最初开始使用时。
或相当一段时间没使用了时，请供给
2-3滴油。

Apply 2 or 3 drops of oil by hand when the
machine is used for the first time or has
been left unused for some time.



机油用特22#工业缝纫机油
Mobil velocite oil NO.22

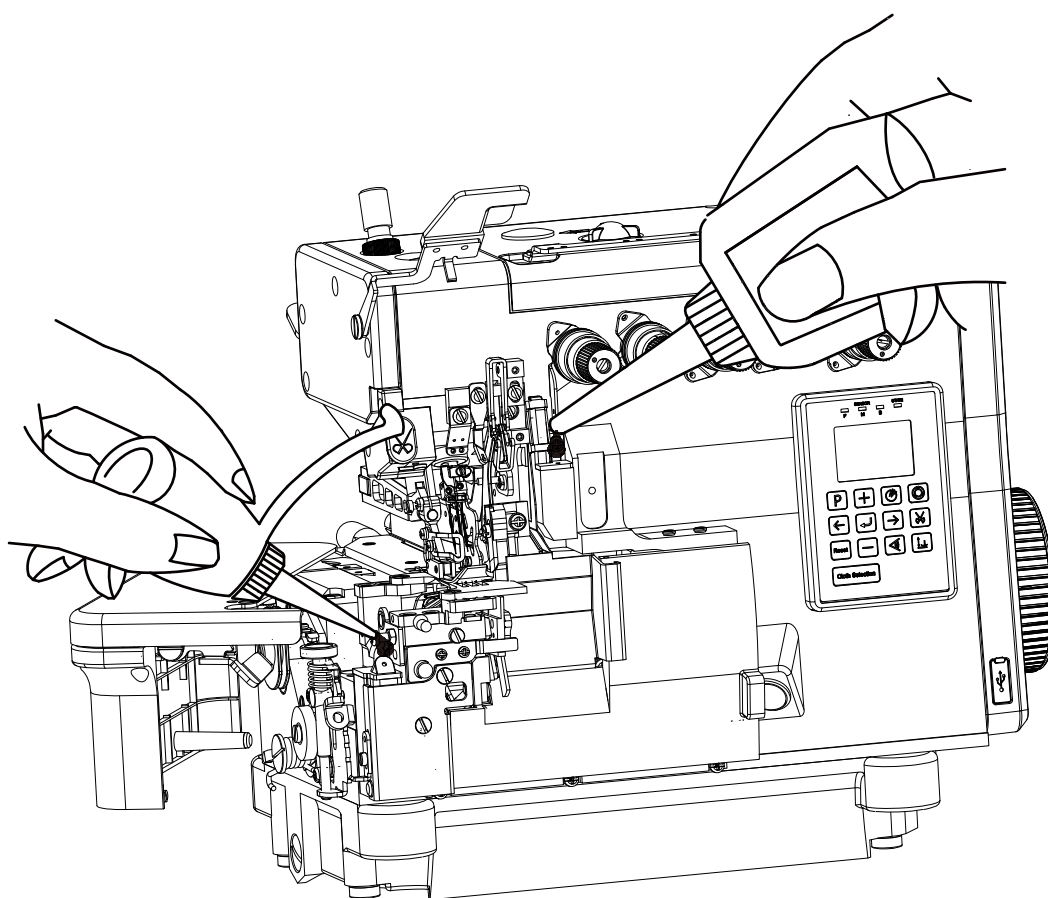
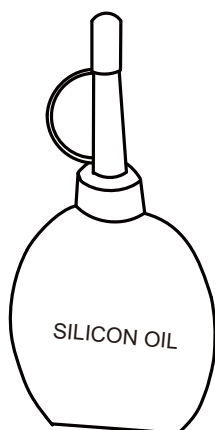


给HR装置供油 Filling the HR device with silicon oil

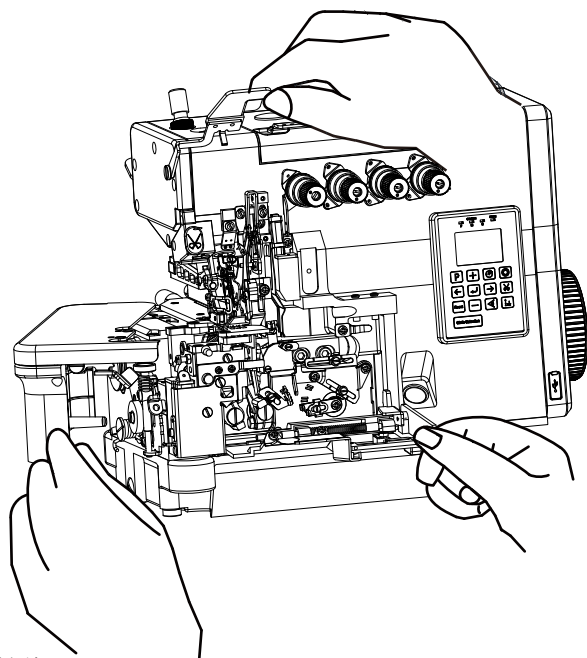
为了防止断线，尽早给HR装置供油。
注：关于购买硅油，请咨询代理店或公司
营业部联系。

Fill the HR device oil before it is too low in order
to prevent needle thread breakage and fabric
damage.

Note: Use Brother recommended silicon oil.
[UNION CARBIDE CORPORATION]
UCC L-45(10)



穿线的方法 Threading



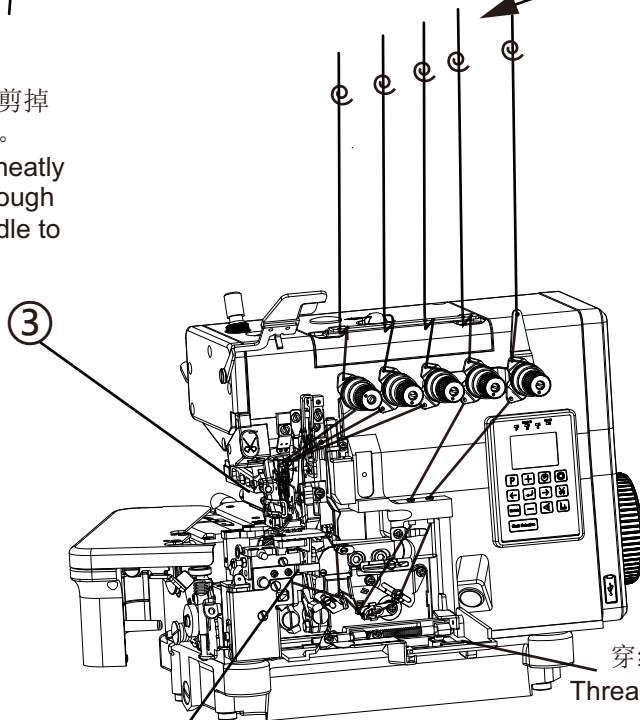
- ① 打开防护罩、大盖及前盖，再移开压脚
Open three covers and remove the presser foot aside.

针线
Needle thread

将线拉到针眼前，剪掉
结头再次穿好针线。
Trim the knots off neatly
before passing through
the eye of the needle to
rethread

把机器上原有的线与缝纫
用线绑结在一起。

- ② Knot the preset thread and the
thread being used together to
thread the machine.

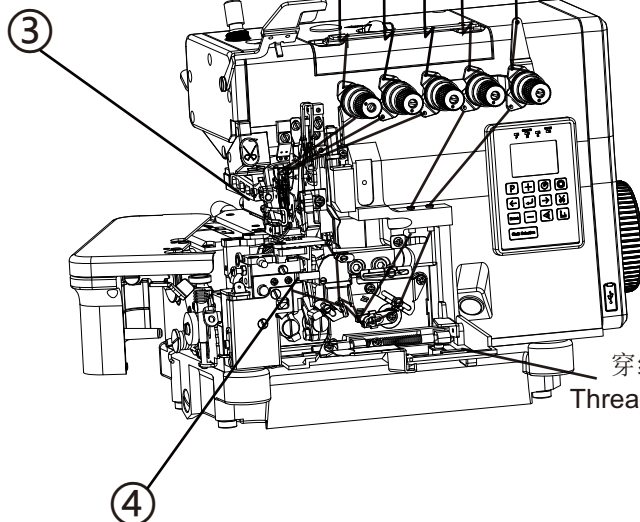


若机上原来没有线，请参照穿线
图正确进行穿线。

threaded correctly by referring
to the threading diagram.

穿线图

Threading diagram



弯针线
Looper thread

线拉出接头后，用剪刀齐接头。
Trim the knots off neatly
after passing through the
eye of the looper.

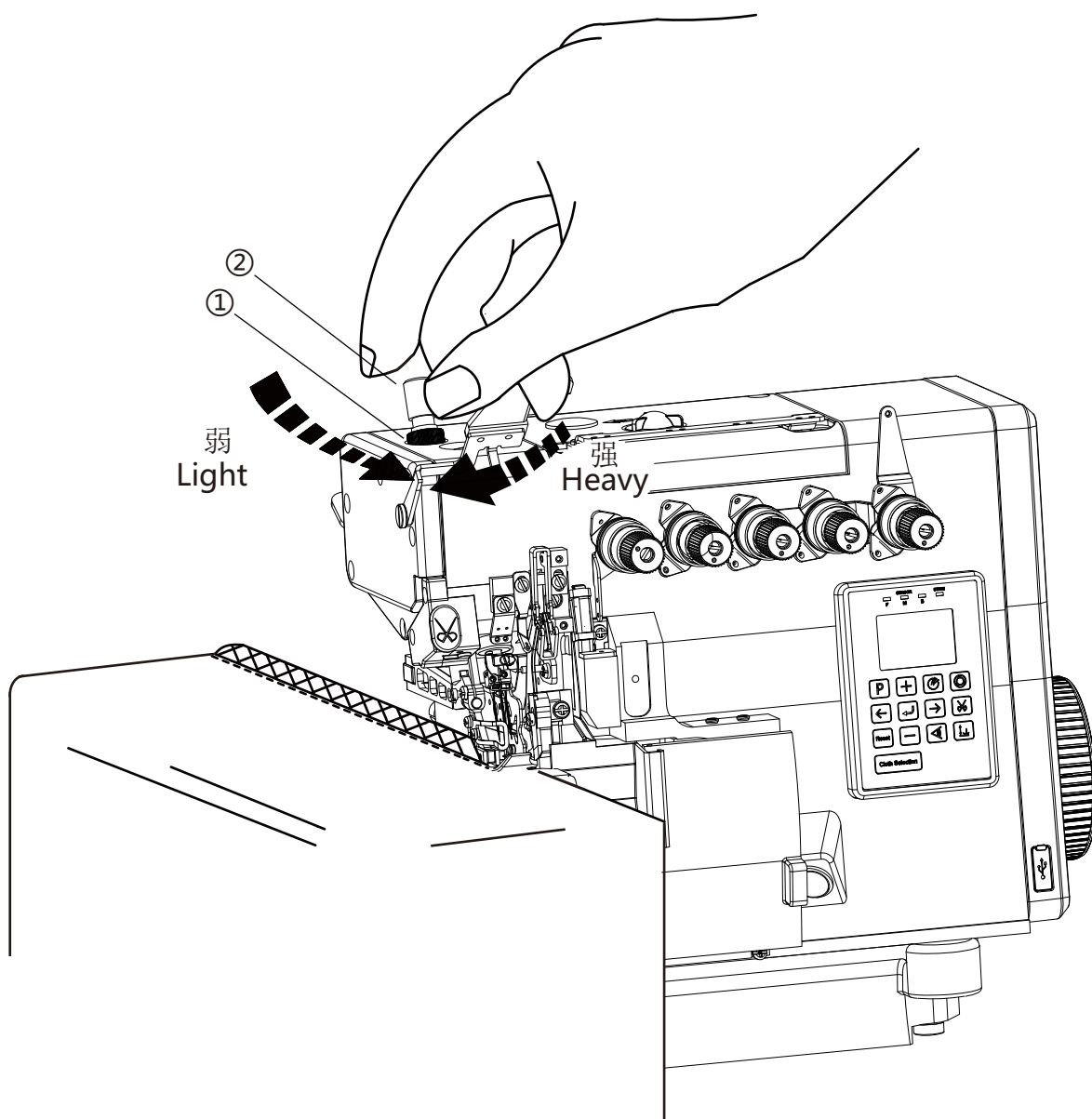
④

压脚压力的调节

Adjusting the presser foot pressure

压脚压力的调节，松动螺母①，调节螺母②，在送布得到稳定状态下尽可能使用较弱的压力为好。

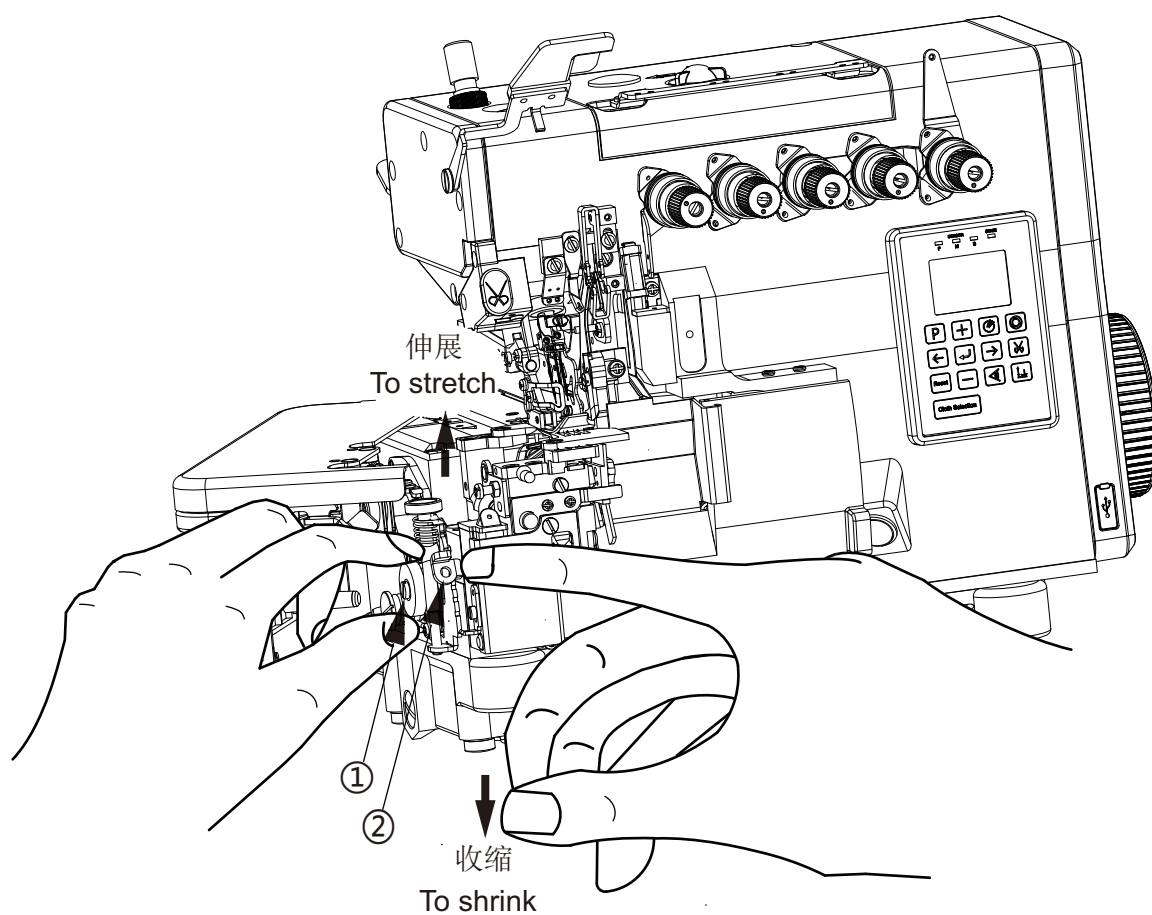
Loosen adjusting nut ① and turn adjusting nut ② to adjust the presser foot pressure. It should be as light as possible. Yet be sufficient to obtain the proper stitch for mation.



差动比的调节 Adjusting the diff. feed ratio

差动比的调节
松开螺母①，然后调节差动调节杆②。

Loosen the nut ① and turn the adjusting rod ② to adjust the differential feed ratio .

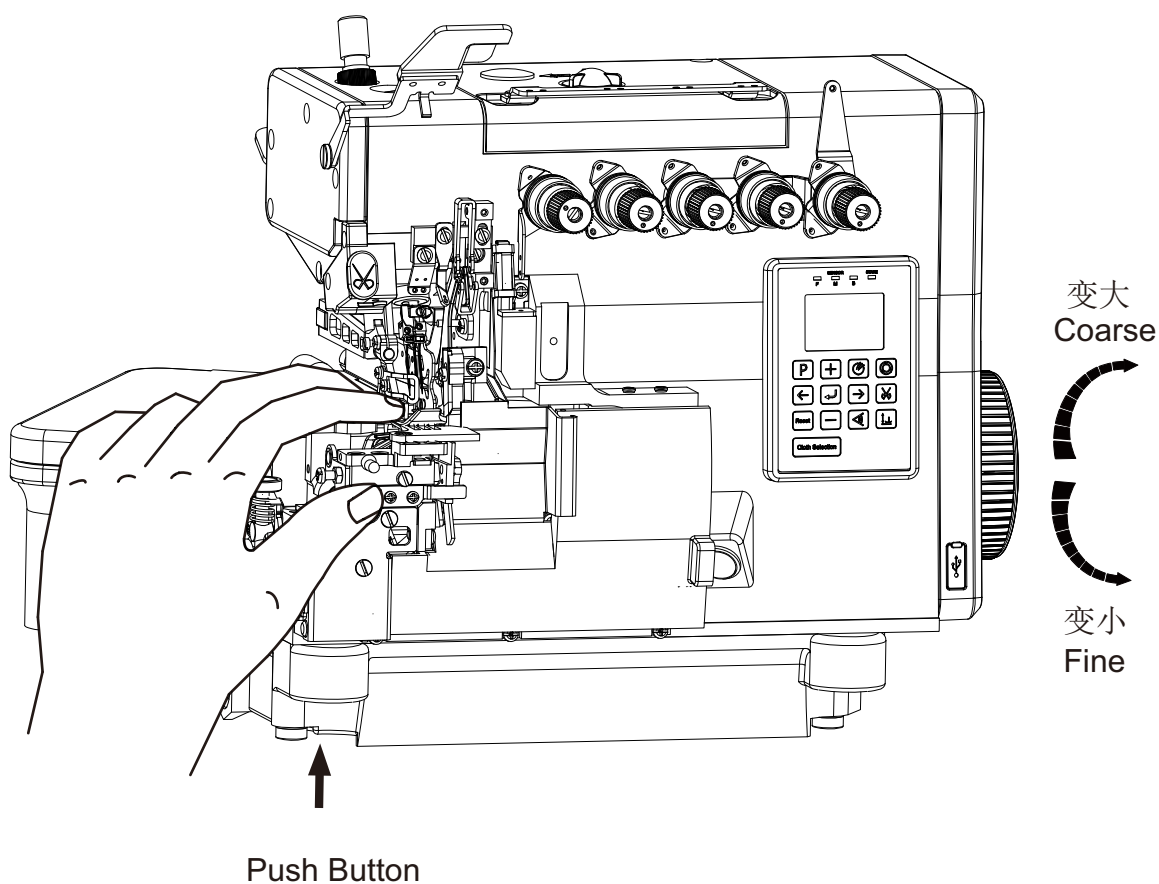


针脚长度的调节 Adjusting the stitch length

1. 摁住按钮，旋转手轮，按钮会陷进更深处。 ① While pressing the push button, turn the handwheel to seek the position at which the push button goes further into the depth.
2. 这时边摁住按钮，边转动手轮，使校准标记号对准所希望的数值。 ② Then, keeping the push button pressed, turn the handwheel and set the desired scale to the aligning mark.

注：针脚长度的调节务必请在调节差动比之后进行。

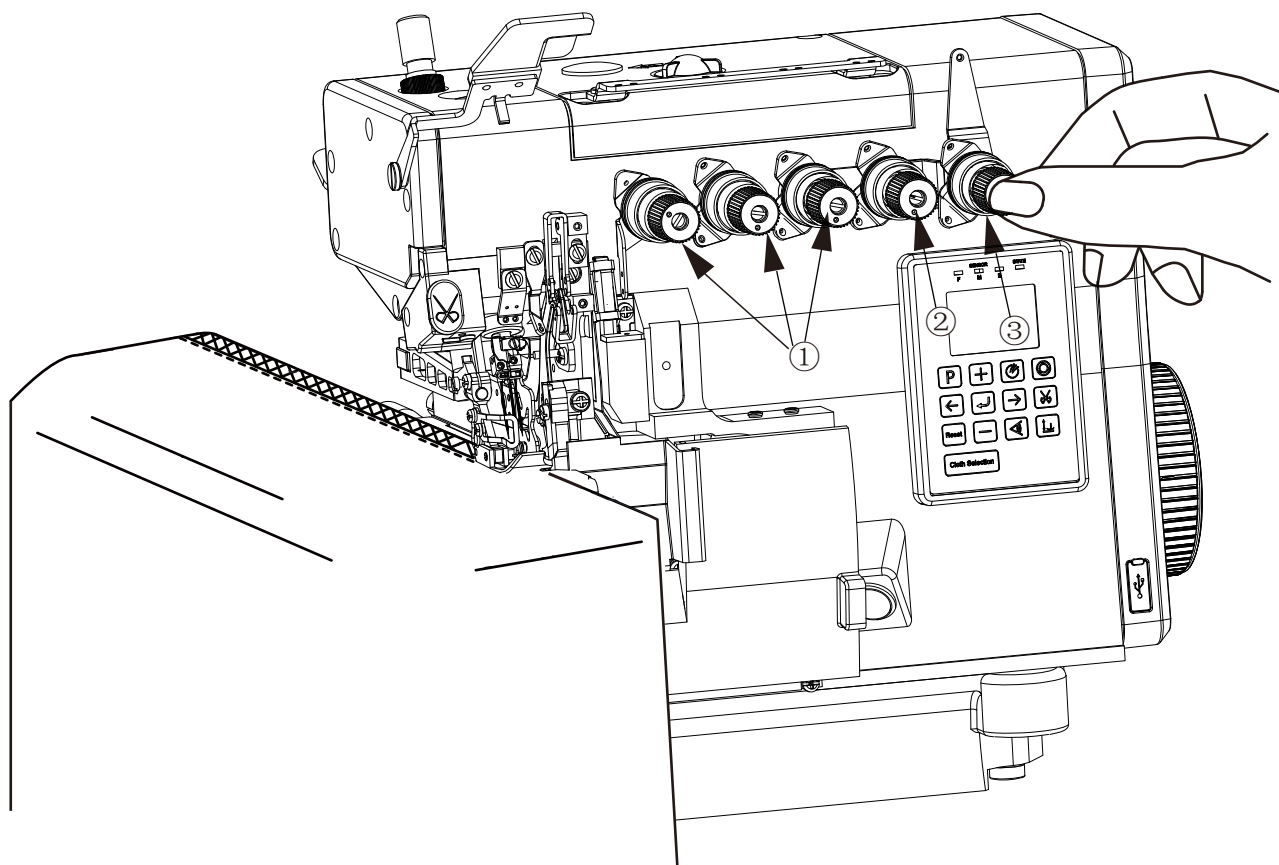
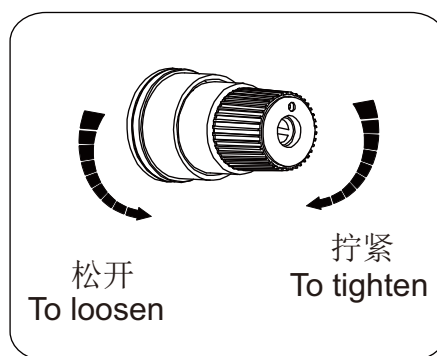
Note: Stitch length adjustment must only be made after the differential feed ratio has been changed.



线张力的调节 Adujsting the thread tension

线张力状态的调节，请用针线调节螺帽①、上弯针线调节螺帽②、弯针线调节螺帽③来进行调节。

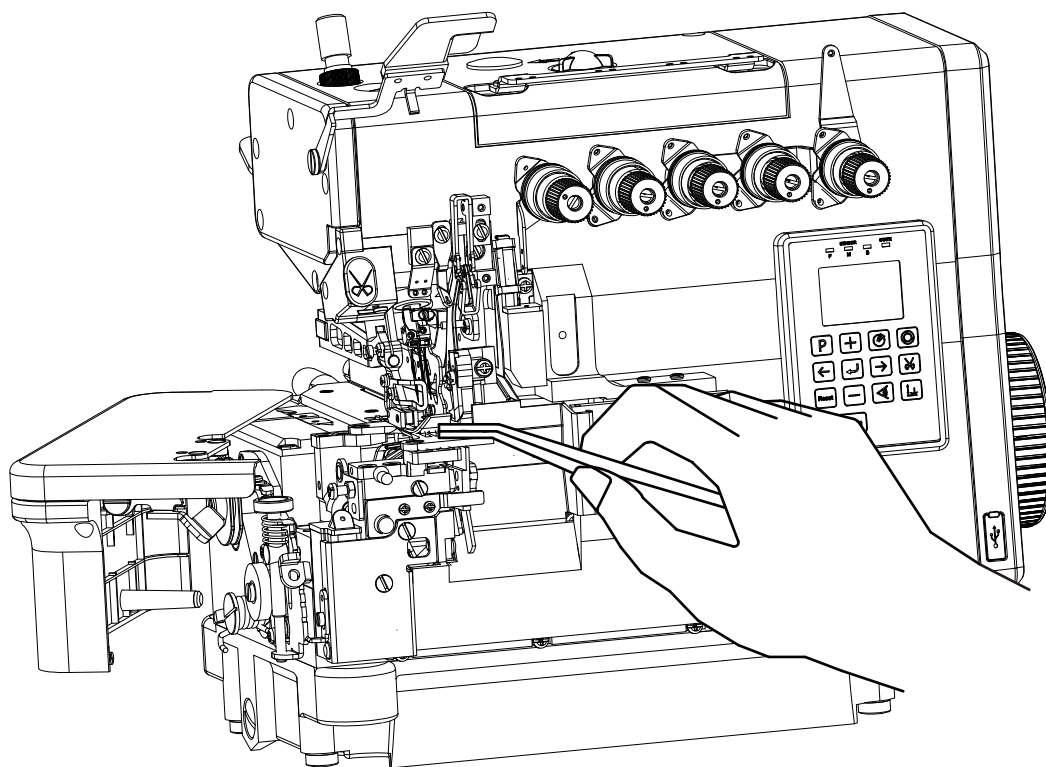
Make tension adjustments with the needle thread knob①、the upper looper knob②、and the lower looper knob③.



清洁缝纫机 Cleaning the machine

缝纫机的清扫，以针板槽及送布牙周围为主。

Mainly the slots of the needle plate and the feed rows should be cleaned



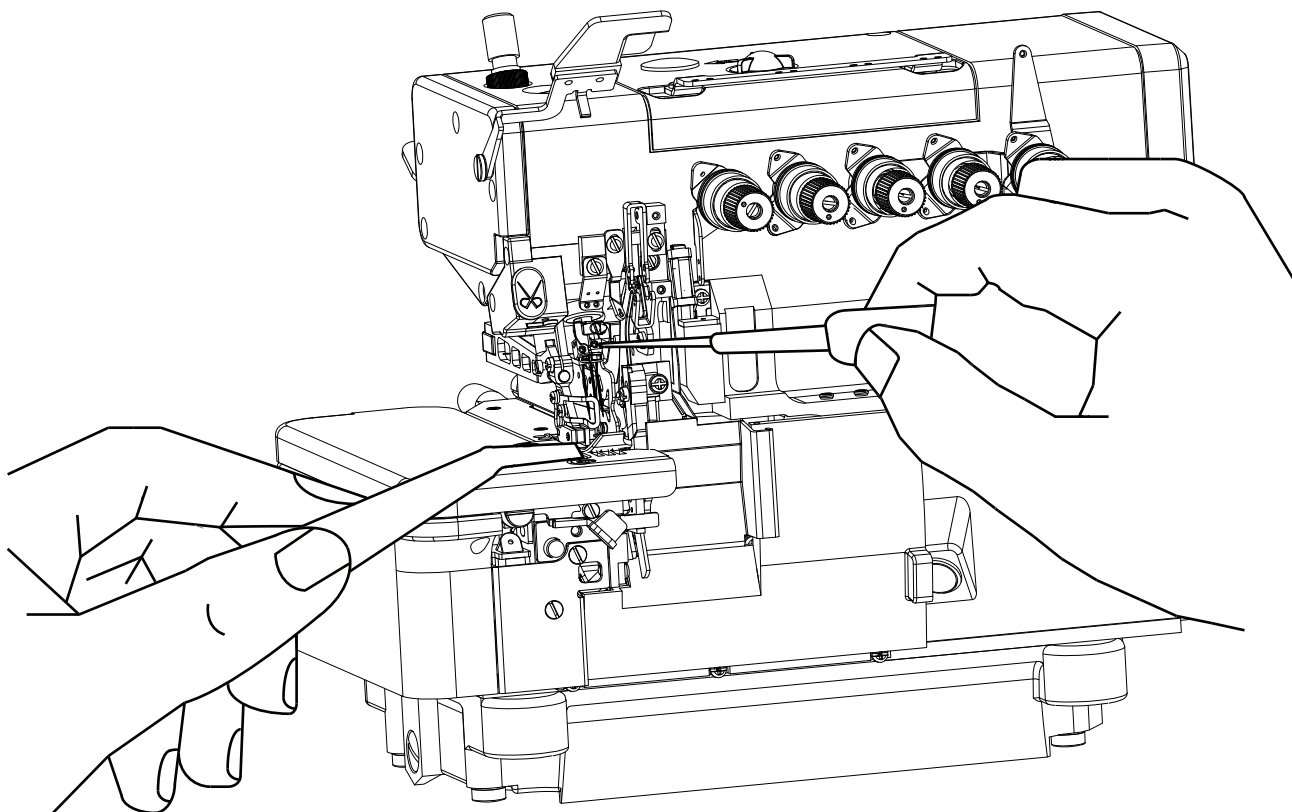
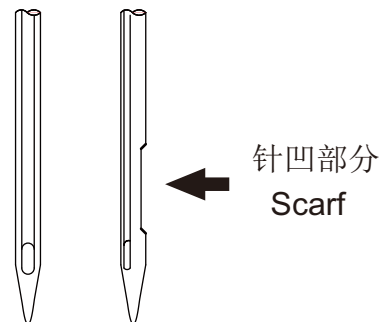
换机针 Replacing the needle

准确辨认针的前后，请将针凹向着后方，
即背向操作者进行安装。
针要牢固的插到孔的最深处。

- * Check the needle carefully to see that the scarf is turded to the rear of the machine.
- * Insert the needle to the proper depth, and fasten securely.

标准使用针：DC×27
Standard needle: DCX27

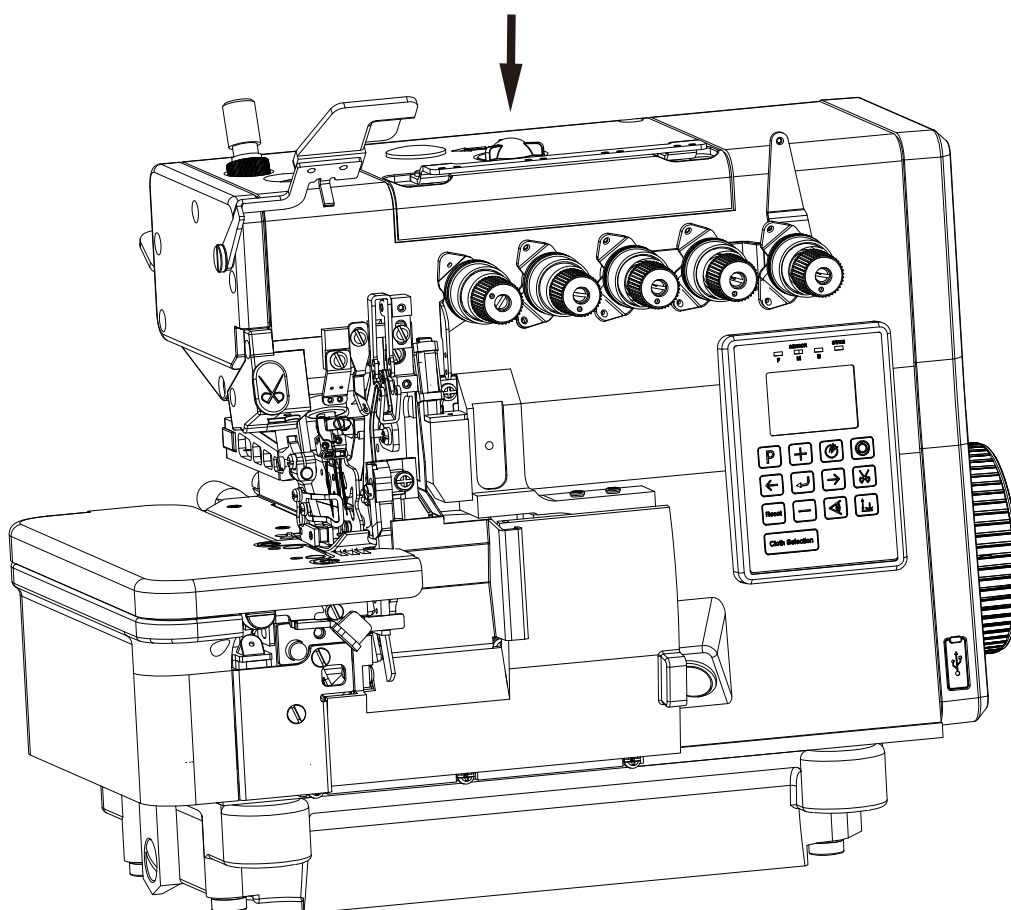
OK! NO!



检查机油的循环 Checking the oil circulation

运转中
(Operating)

油窗喷油OK!

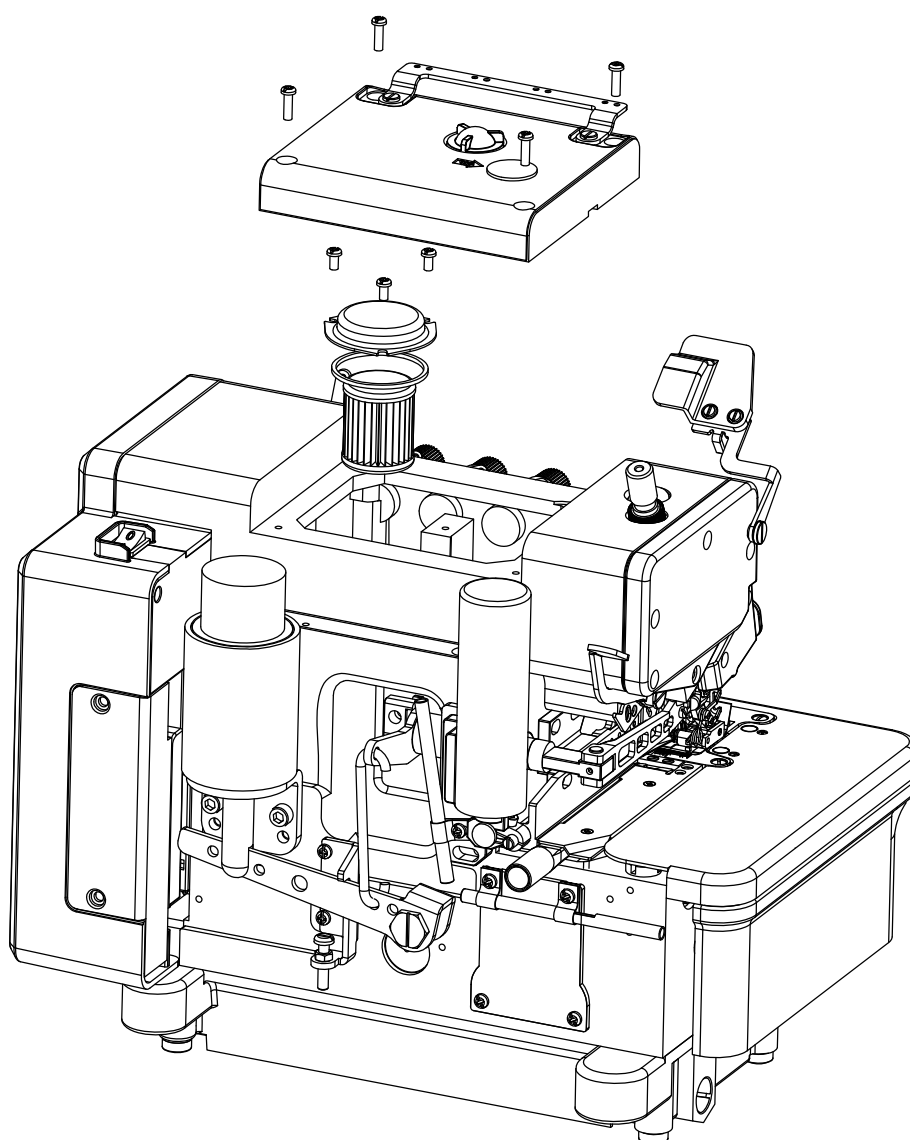


检查和更换滤油器

Checking and replacing the oil filter

滤油器每6个月检查并更换。

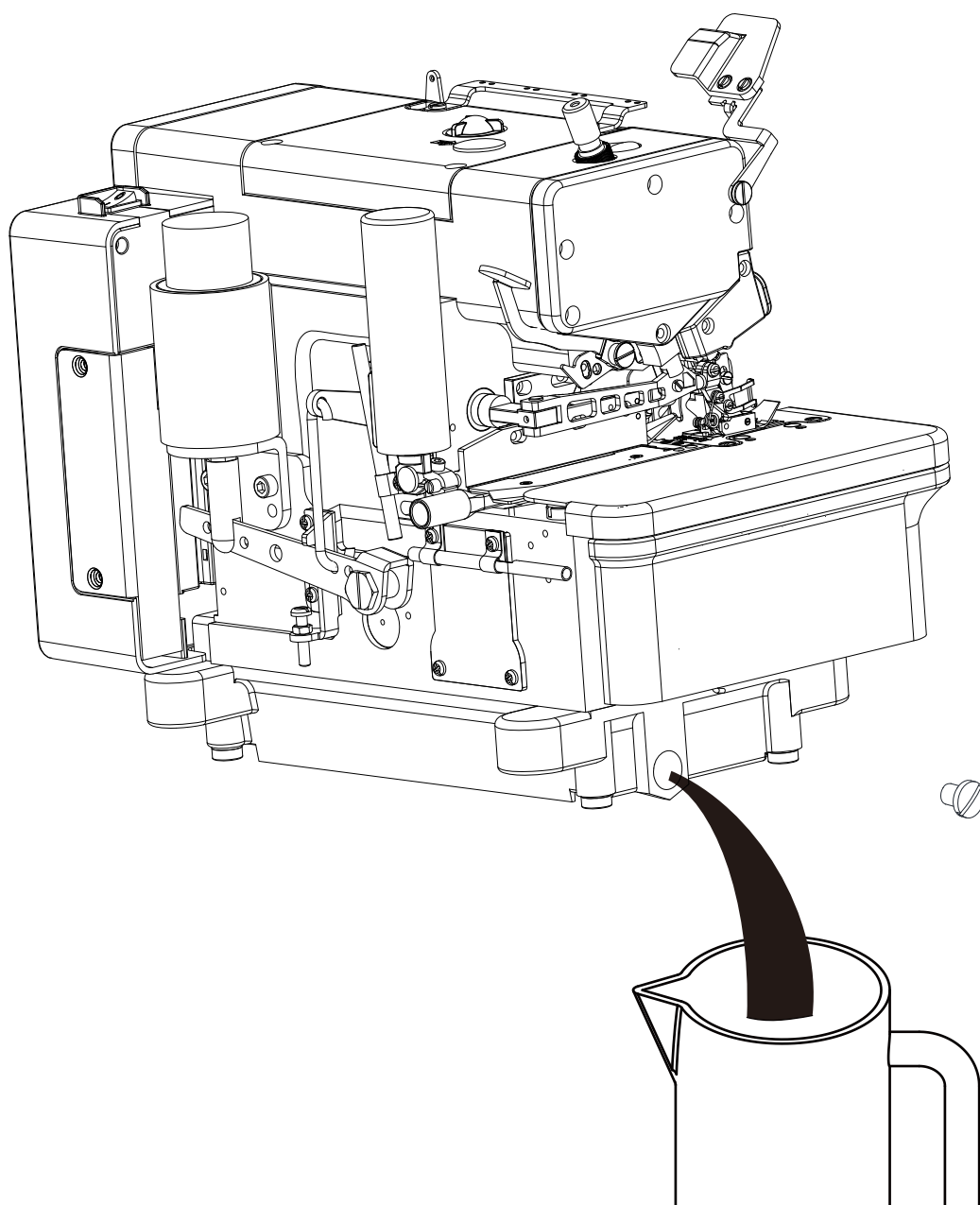
Check and replace the oil filter every six months.



换机油 Replacing the oil

机油的更换，请在使用开始1个月后更换一次。然后，每6个月更换一次。

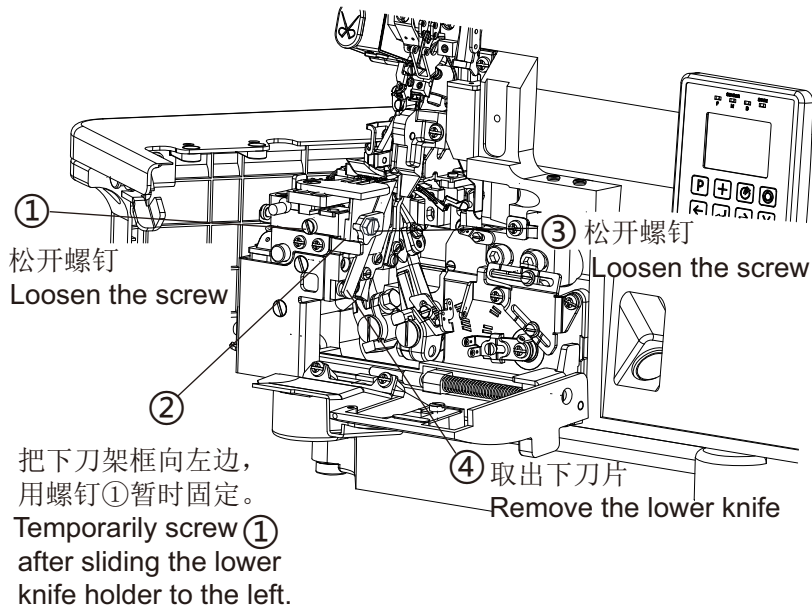
Replacing the oil one month after the first use and every six months there after.



下刀片的更换 Replacing the lower knife

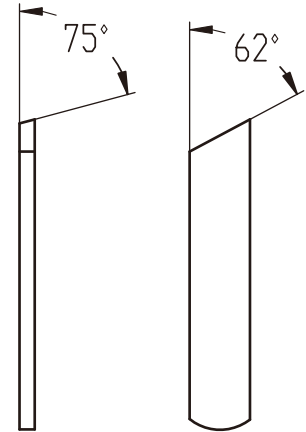
卸下下刀片

To remove the lower knife



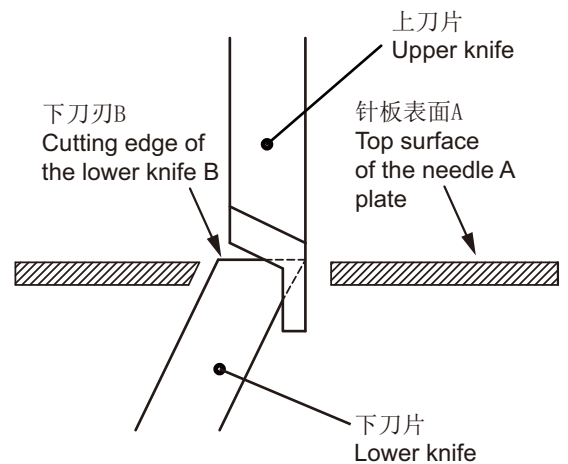
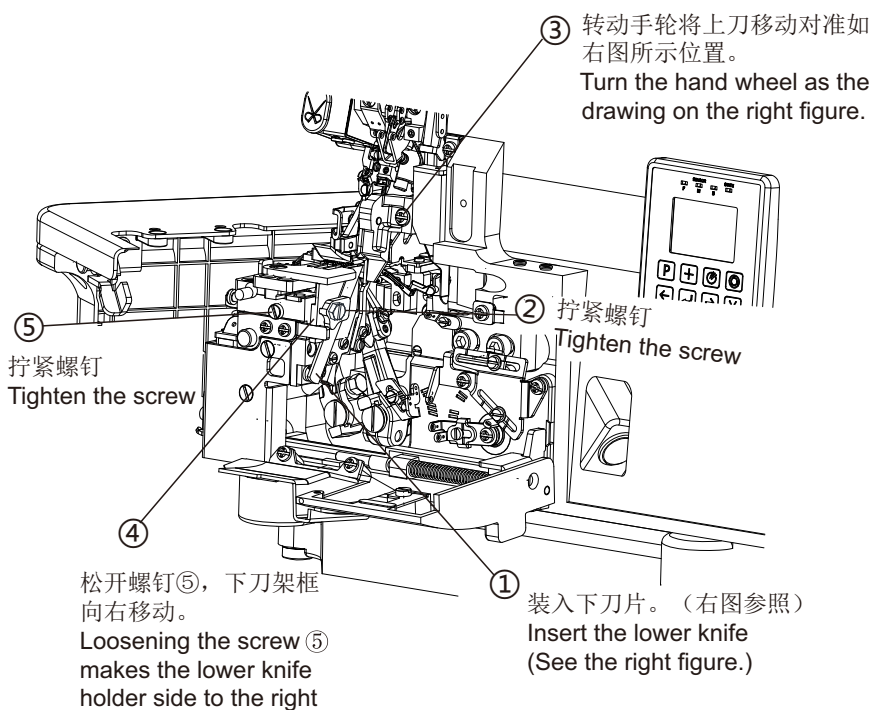
下刀片正确的研磨角度

Correct angles to resharpen
the lower knife



安装下刀片

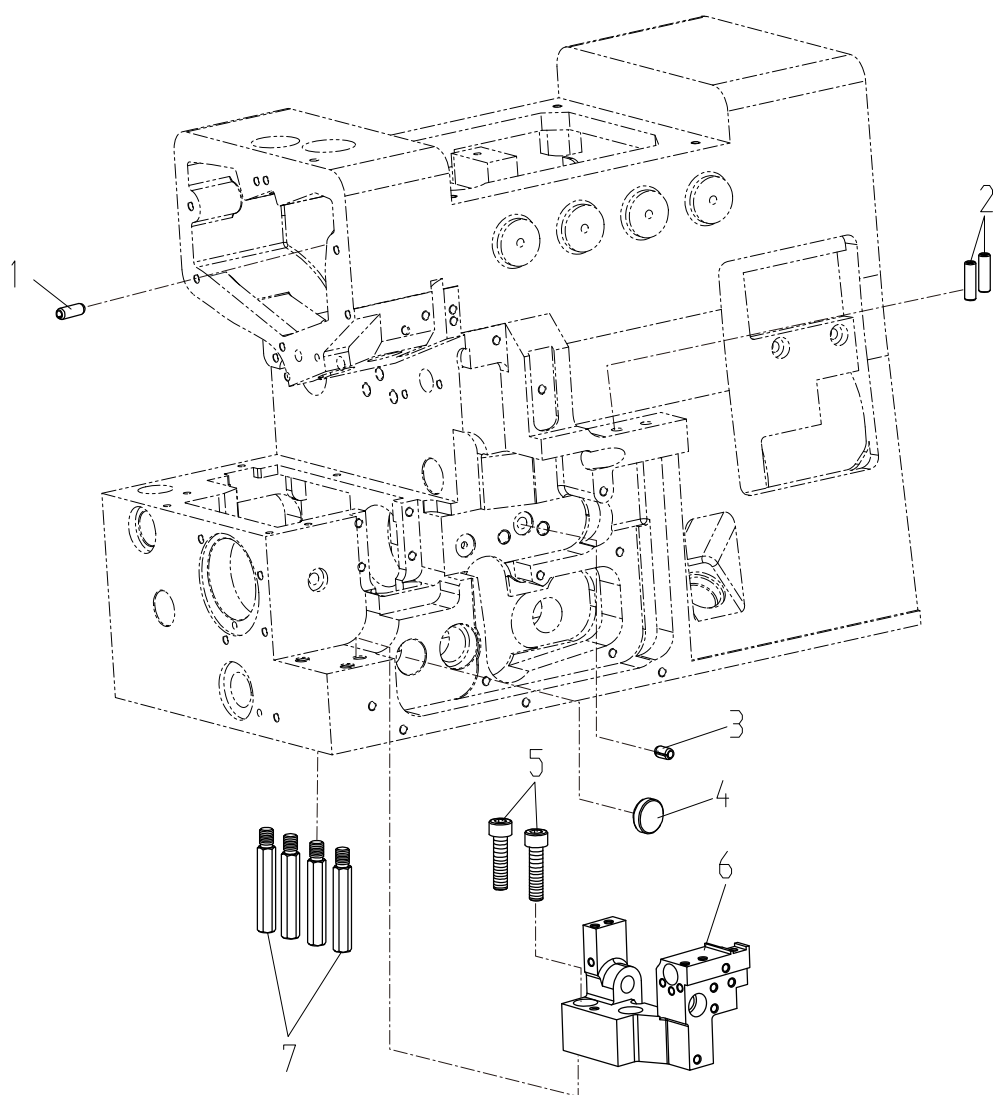
To replace the lower knife



使针板表面A与下刀刃B处于相同水平位置。
Level of [A]=Level of [B]

装好下刀片后进行剪线，确认剪线状况。
Check cutting action of knife.

A.机壳部件 /Machine body

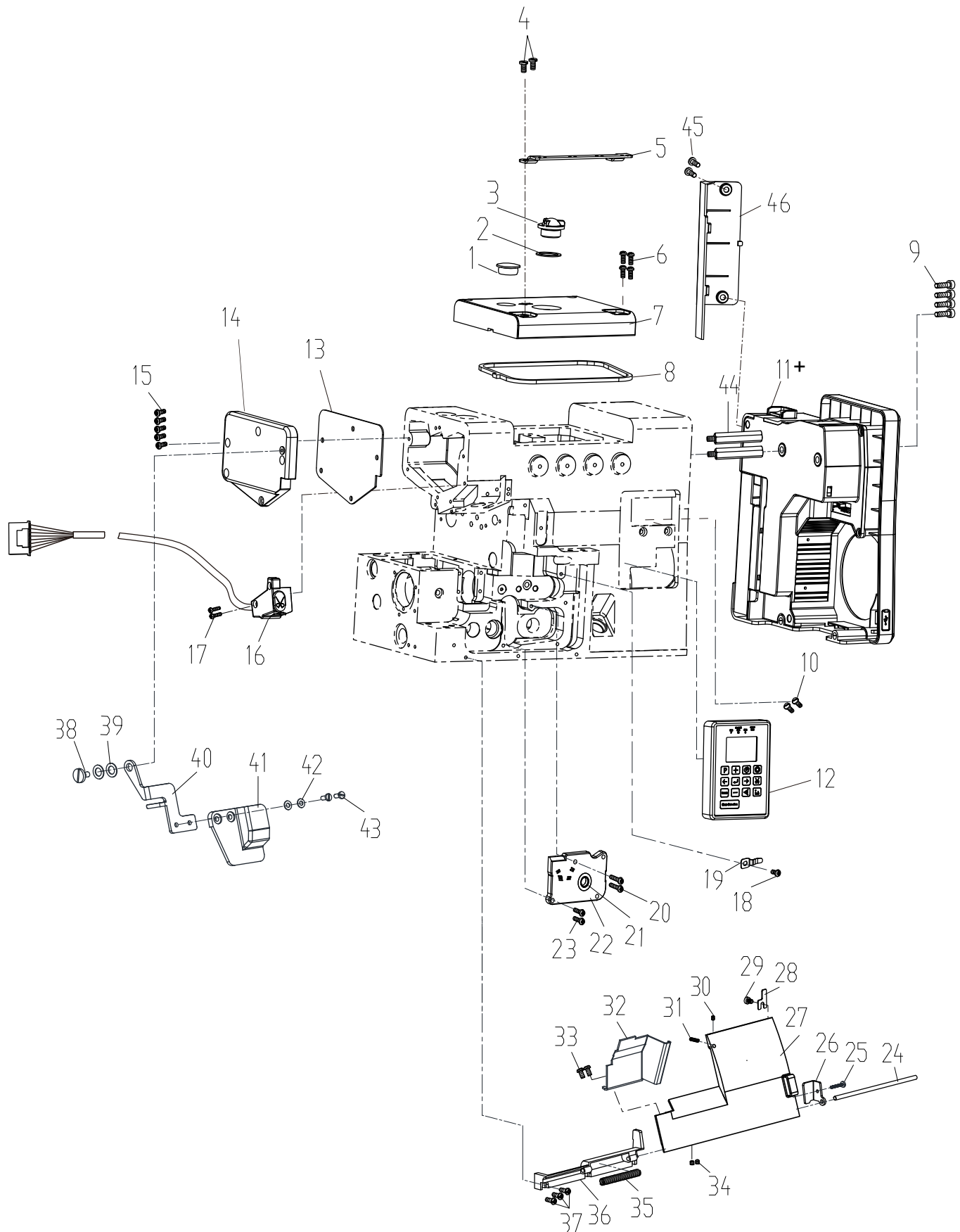


A. 机壳部件 /Machine body

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	100003404	1	销	pin		1
2	10054228	2	上、下弯针穿线管	threading pipe for upper and lower loopers		1
3	10002836	1	销	pin		1
4	100001035	1	橡胶塞	rubber plug		1
5	10009171	2	螺栓	bolt socket		1
6	10058561	1	下刀座	lower knife bed		1
7	10011847	4	机壳支柱	support for housing		1

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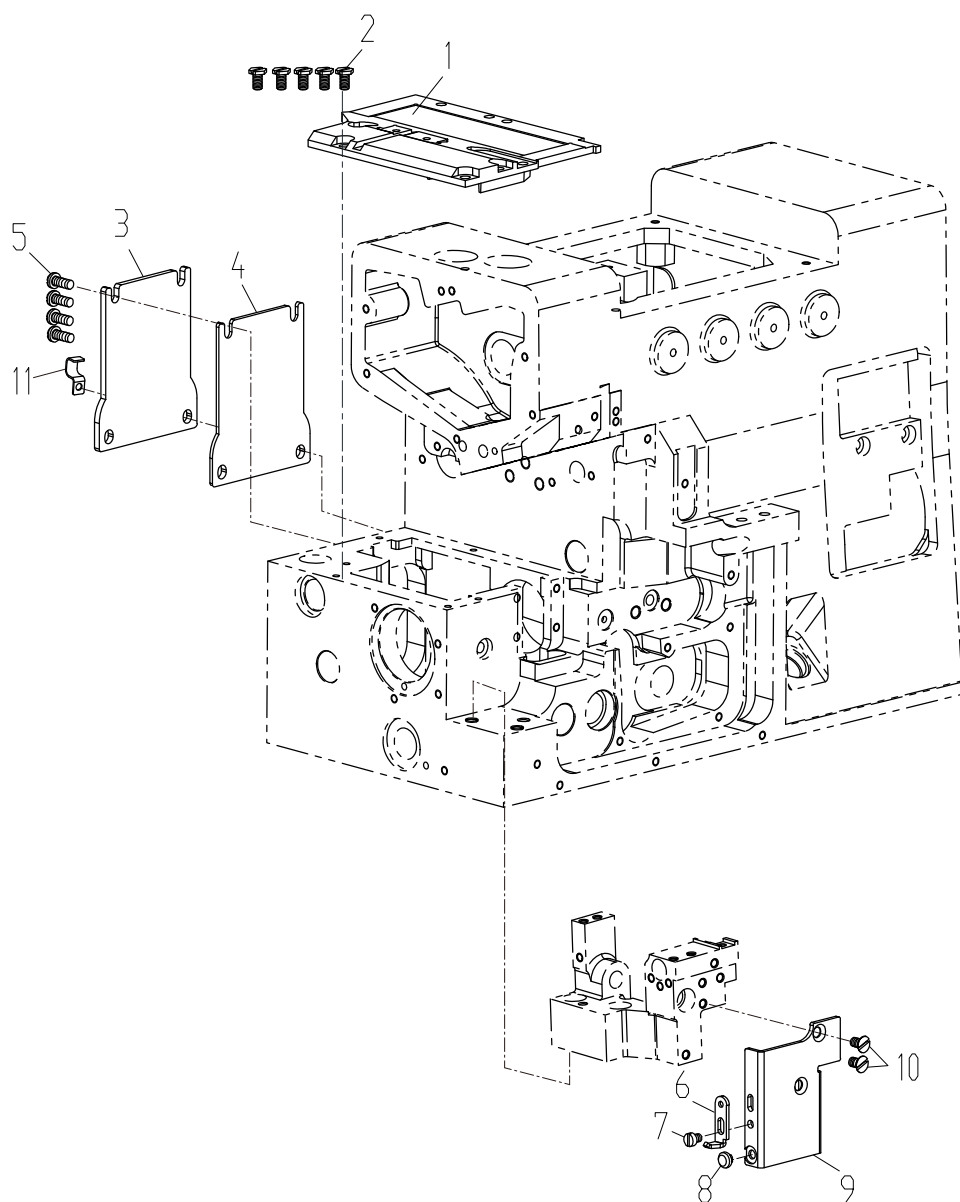
B. 外罩部件 (1) /Housing components(1)



B. 外罩部件(1)/Housing components(1)

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10000952	1	上轴皮塞	rubber plug		1
2	10003431	1	油窗橡胶圈	oil window rubber ring oil		1
3	10003430	1	油窗	window		1
4	10010120	2	螺钉	screw		1
5	100000951	1	上盖过线架	thread guide		1
6	10009104	4	螺钉	screw		1
7	200004027	1	上盖喷涂	upper cover		1
8	100000885	1	上盖密封垫	upper cover gasket		1
9	10053435	4	螺栓	bolt spcket		1
10	100005371	2	螺钉(带垫圈)	screw,(s/p washer)		1
			用于-国外	for-AP		
11+	100007124	1	电控_AP	simple electronic control		1
			用于-国	for-CHN		
11+	100007125	1	电控_CHN	simple electronic control		1
12	100004621	1	电控操作盒	operation box		1
13	100004419	1	侧盖垫	side gasket		1
14	100004418	1	侧盖	side cover		1
15	10009104	5	螺钉	screw		1
16	100004341	1	光眼组件	head lamp		1
17	10009104	2	螺钉	screw		1
18	10011044	1	螺钉	screw		1
19	10033682	1	弹簧板	spring plate		1
20	10008965	2	螺钉	screw		1
21	10009399	1	油封	oil oilseal seal		1
22	10008917	1	上弯针架盖	cover for upper looper stand		1
23	10011044	2	螺钉	screw		1
24	10034619	1	销	pin		1
25	10009597	1	螺钉	screw		1
26	10008911	1	导向板	guiding plate		1
27	200001448	1	前盖右	right part of the front cover fender		1
28	10008966	1	前盖右挡板	for right part of front cover		1
29	10010554	1	螺钉	screw		1
30	10013019	1	内六角紧定螺钉	set screw socket		1
31	10009550	1	内六角紧定螺钉	set screw socket		1
32	100000859	1	前盖中	midle part of the front cover		1
33	10010554	2	螺钉	screw		1
34	10023463	2	内六角紧定螺钉	set screw socket		1
35	10009509	1	弹簧	spring		1
36	10008880	1	支架	supporting part		1
37	10009037	3	螺钉	screw		1
38	10009044	1	轴位螺钉	shoulder screw		1
39	10010596	2	垫圈	washer		1
40	100000861	1	护板支架	support plate		1
41	10008878	1	安全罩	safety cover		1
42	10009599	2	垫圈	washer		1
43	10009600	2	螺钉	screw		1
44	100004855	2	电控安装支柱	electric control mounting stud		1
45	100005697	2	螺钉	screw		1
46	100005862	1	电控侧盖罩	electric control side cover		1

C.外罩部件(2)/Housing components(2)

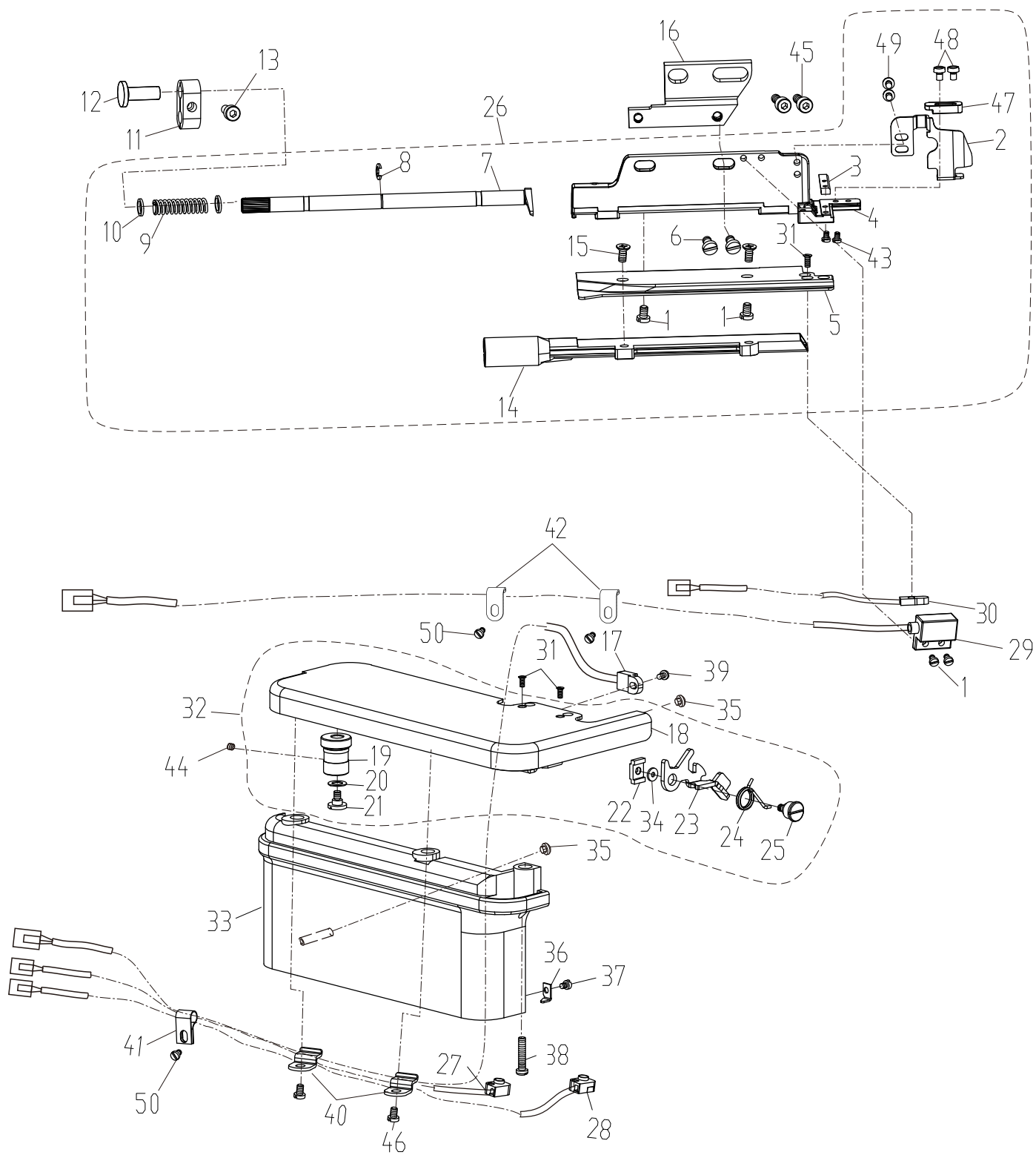


C. 外罩部件(2)/Housing components(2)

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10000887	1	左上盖	left upper cover		1
2	10009157	5	六角螺栓	bolt		1
3	10000888	1	后盖板	back cover		1
4	100002004	1	后盖板垫	rear cover pad		1
5	10009104	4	螺钉	screw		1
6	10033689	1	挡板	baffle		1
7	10009514	1	螺钉	screw		1
8	10037505	1	防震橡胶垫	rubber cushion		1
9	100000955	1	前盖左	left part of front cover		1
10	10009049	2	沉头螺钉	screw flat		1
11	10042967	1	小线卡	small line card		1

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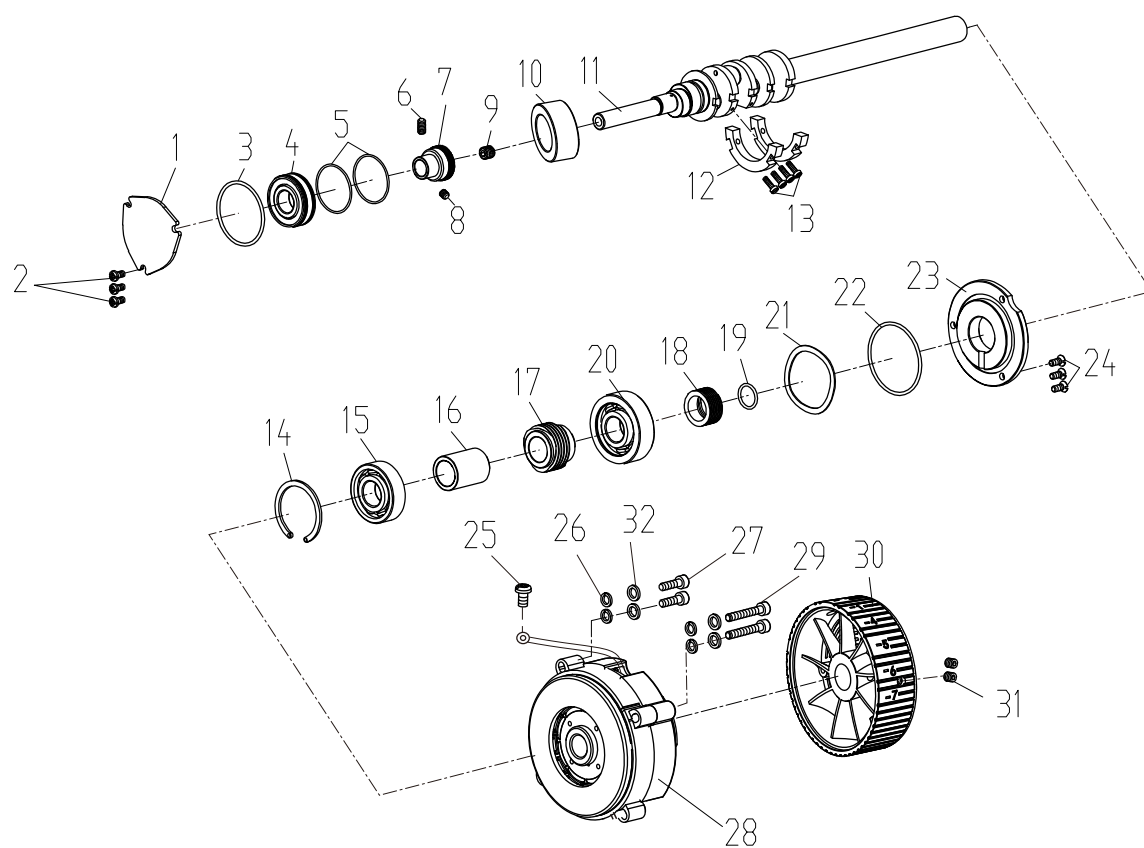
D.三自动部件/Three automatic parts



D. 三自动部件/Three automatic parts

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10009600	4	螺钉	screw		9
2	100007345	1	动刀限位挡板	moving knife limit baffle		9
3	100007312	1	定刀	stationary knife		1
4	100007343	1	动刀安装座	moving blade installation base		9
5	100007344	1	吸风管盖板	suction duct cover plate		9
6	100005863	2	螺钉	screw		9
7	100007311	1	动刀	moving cutter		1
8	100007348	1	开口挡圈	retaining ring		9
9	100007349	1	弹簧	spring		9
10	100007620	2	垫圈	washer		9
11	100006691	1	切刀连杆	connecting rod of cutter		9
12	10037477	1	切刀连杆销	base for mount of cutter		1
13	10012752	1	螺栓	bolt socket		9
14	100007624	1	吸风管组件	component of aspiration		9
15	10062759	2	沉头螺钉	screw flat		9
16	100002393	1	刀阻垫块	knife resistance cushion block		1
17	100004113	1	缝台安全开关	sewing table safety switch		1
18	100004389	1	大盖	big cover		9
19	100004824	1	大盖铜套	brass bush for surface cover		9
20	10003077	1	垫弹簧圈	washer spring		9
21	10009044	1	轴位螺钉	shoulder screw		9
22	10009548	1	锁紧板	locking plate		9
23	10009535	1	大盖卡紧板	grip part for surface cover		9
24	10009536	1	弹簧	spring		9
25	10009546	1	轴位螺钉	shoulder screw		9
26	100006639	1	吸风刀组	suction knife set		1
27	100004108	1	中接收传感器组件	middle receiving sensor assembly		1
28	100004107	1	前接收传感器组件	front receiving sensor assembly		1
29	100004111	1	压脚安全开关组件	presser foot safety switch assembly		1
30	100004109	1	后接收传感器组件	rear receiving sensor assembly		1
31	100005576	3	沉头螺钉	screw flat		1
32	100004927	1	大盖中组件	middle assembly of large cover		1
33	100004925	1	横盖组件	lower left side cover		1
34	100005646	1	垫圈	washer		9
35	10009582	2	防震橡胶垫	rubber cushion		1
36	10033700	1	横盖限位板	position limiting plate		1
37	10009529	1	螺钉	screw		1
38	10009291	1	螺钉	screw		1
39	10010554	1	螺钉	screw		1
40	100007225	2	线夹	cord holder		1
41	100005573	1	线夹	cord holder		1
42	10035172	2	电线压板	wire clamp		1
43	100007347	2	螺钉	screw		9
44	10023463	1	内六角紧定螺钉	set screw socket		1
45	100002445	2	螺栓	bolt socket		1
46	10010595	2	螺钉	screw		1
47	100007350	1	定刀压块	fixed blade pressing block		9
48	100007346	2	螺钉	screw		9
49	100005341	2	螺钉	screw		9
50	100005341	3	螺钉	screw		1

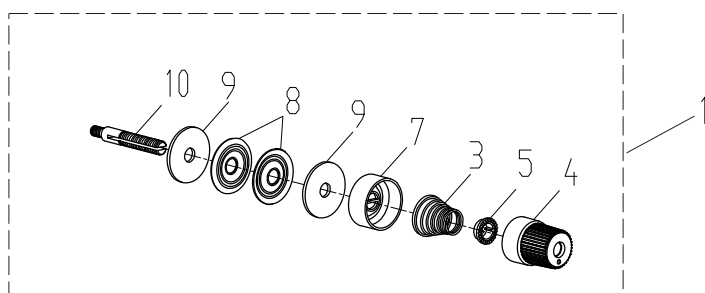
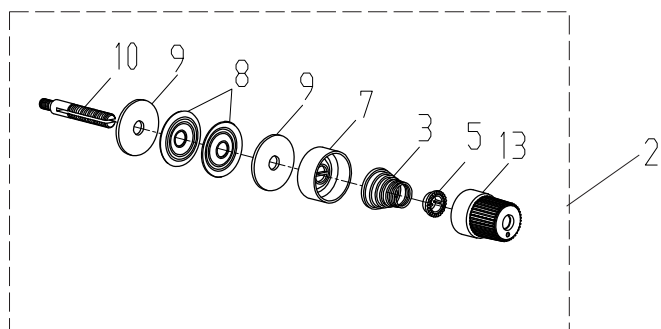
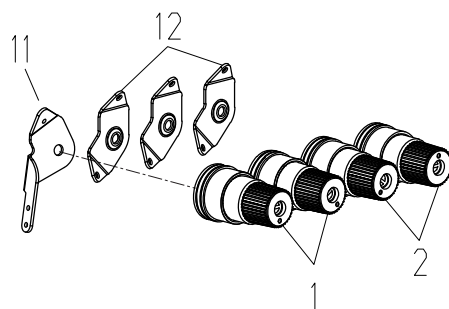
E. 主轴部件 /Main shaft



E. 主轴部件 / Main shaft

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10009519	1	左盖	left cover		1
2	10010595	3	螺钉	screw		1
3	10009448	1	O型圈	O ring		1
4	10025895	1	轴承	bearing		1
5	10009334	2	O型圈	O ring		1
6	10012162	1	内六角紧定螺钉	set screw socket		1
7	10002966	1	轴承套	bush mounted in bearing		1
8	10009167	1	内六角紧定螺钉	set screw socket		1
9	10009187	1	内六角紧定螺钉	set screw socket		1
10	100004810	1	主轴套	sleeve		1
11	10058552	1	主轴	main shaft		1
12	10009402	2	平衡块	balance block		1
13	10009625	4	螺钉	screw		1
14	10008898	1	主轴卡圈	main shaft retainer ring		1
15	10003543	1	轴承	bearing		1
16	10009392	1	蜗杆套	bush mounted in worm bush		1
17	10009362	1	蜗杆	worm bush		1
18	100001045	1	螺纹套	bush mounted in screw		1
19	10009360	1	O型圈	O ring		1
20	10003543	1	轴承	bearing		1
21	10009361	1	右盖垫片	spring washer		1
22	10009359	1	O型圈	O ring		1
23	100000864	1	右盖	right cover		1
24	10009104	3	螺钉	screw		1
25	10005299	1	螺钉	screw		1
26	10006173	4	垫圈	washer		1
27	10053435	2	螺栓	bolt spcket		1
28	100008210	1	电机	motor		1
29	100001158	2	螺栓	bolt spcket		1
30	100004471	1	手轮组件	hand wheel assembly		1
31	10001493	2	内六角紧定螺钉	set screw socket		1
32	10009503	4	弹簧垫圈	washer spring		1

F. 夹线部件 / Thread tension components

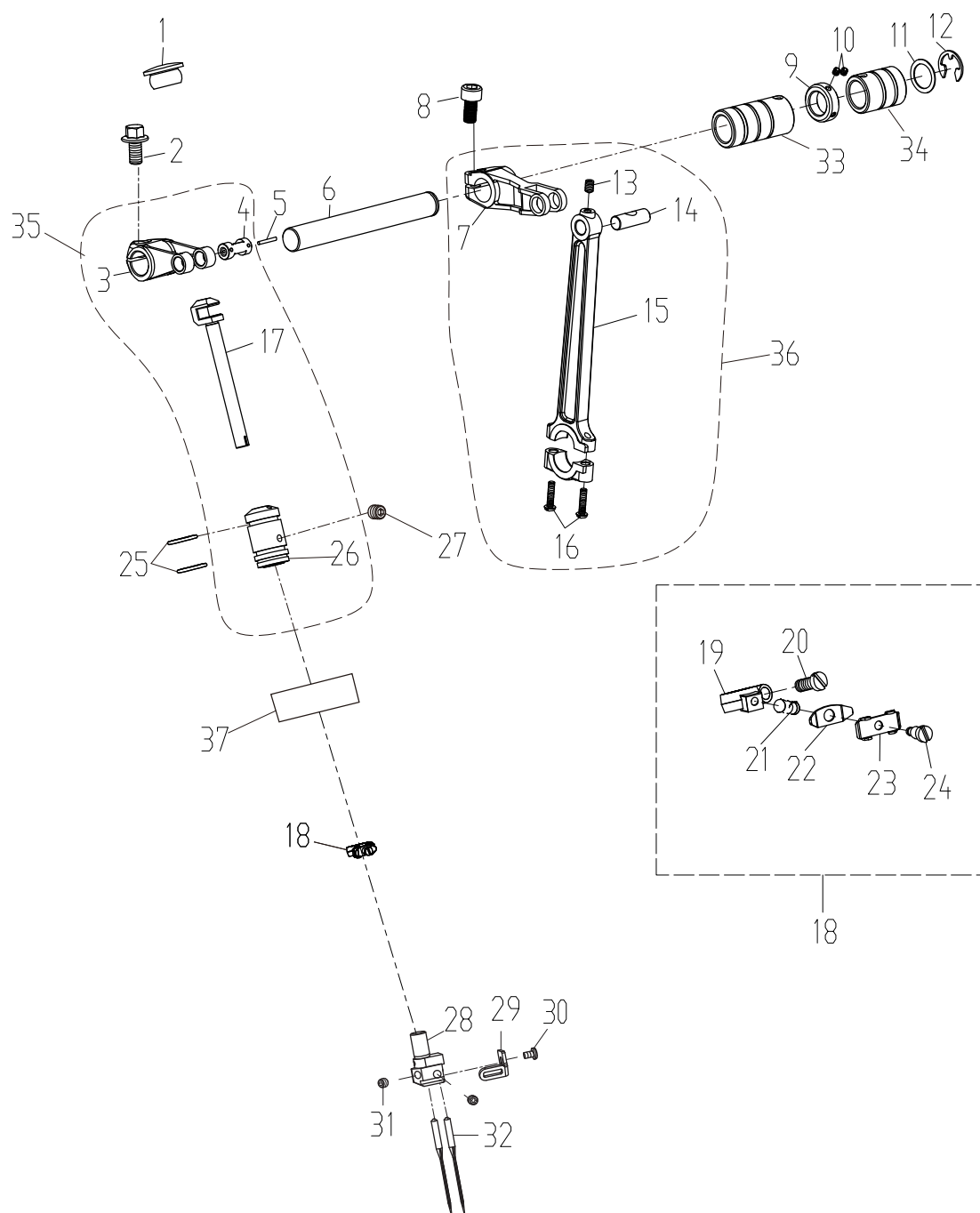


F. 夹线部件 /Thread tension components

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	100004338	2	直针夹线器组件	thread tension assembly for needle		1
2	100004340	2	上弯针夹线器组件	thread tension assembly for upper needle		1
3	10009534	1	弹簧	spring		1
4	100004343	1	夹线螺母（红）防	clamp nut (red)		1
5	10003111	1	松垫	release-proof nut		1
6	100003360	1	弹簧	spring		1
7	100004342	1	夹线碗	thread tension bowl		1
8	10003116	2	夹线盘	thread tension dish		1
9	10009010	2	布垫	cloth cushion		1
10	10003112	1	夹线螺杆	tension stud		1
11	10057504	1	二孔过线板	thread guide plate with two hole		1
12	10057503	3	过线版	thread guide plate		1
13	100005659	1	夹线螺母（黄）	clamp nut (yellow)		1

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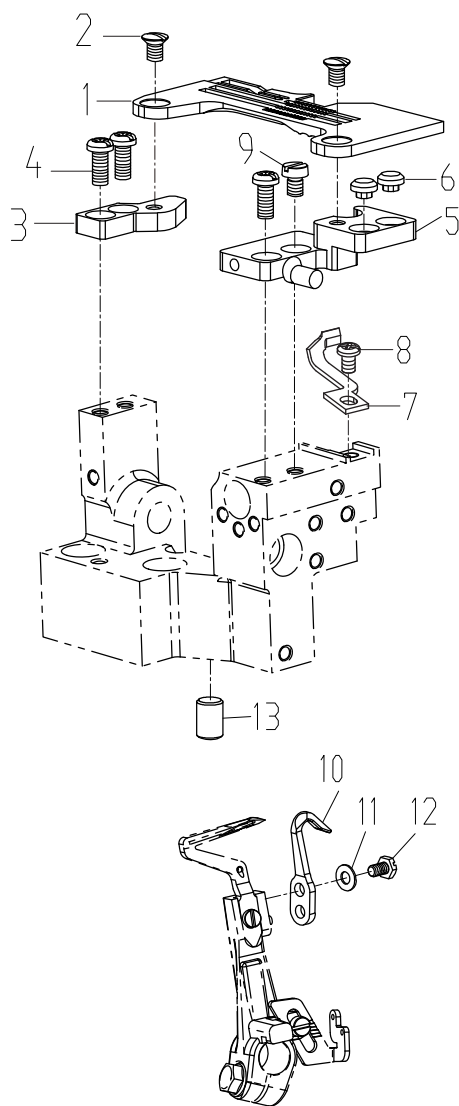
G.针杆传动部件 (1) / Needle bar components (1)



G. 针杆传动部件(1) / Needle bar components (1)

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	100001039	1	橡胶塞	rubber plug		1
2	10009245	1	六角螺栓	bolt		1
3	10009374	1	直针曲柄	crank on needle bar		9
4	10009345	1	直针曲柄销	crank pin for needle bar		9
5	10008090	1	油线	oil wick		1
6	10009423	1	针杆传动轴	driving shaft for needle bar		1
7	10009433	1	针杆传动曲柄	crank on needle bar drive shaft		9
8	10009164	1	螺栓	bolt socket		1
9	10026771	1	挡圈	retaining ring		1
10	10010196	2	内六角紧定螺钉	set screw socket		1
11	10033718	1	垫圈	washer		1
12	10003273	1	挡圈	retaining ring		1
13	10009109	1	内六角紧定螺钉	set screw socket		9
14	10009432	1	直针连杆销	pin for connecting rod		9
15	10002961	1	直针传动连杆	connecting rod for needle bar		9
16	10002939	2	螺钉	screw		9
17	10009386	1	针杆	needle bar		9
18	200004100	1	针夹头夹组件	needle clamp clip assembly		9
19	10009344	1	针夹头夹	needle clamp clip		1
20	10010888	1	螺钉	screw		1
21	100003389	1	夹线簧	spring		1
22	10009341	1	下夹线板	lower thread tension plate		1
23	10009384	1	上夹线板	upper thread tension plate		1
24	10009383	1	轴位螺钉	shoulder screw		1
25	10009391	2	O型圈	O ring		1
26	100004104	1	针杆套	needle bar bush		1
27	10009109	1	内六角紧定螺钉	set screw socket		1
28	10009340	1	针夹头	needle holder		1
29	10009339	1	针夹头过线板	thread guide plate of needle holder		1
30	10009422	1	螺钉	screw		1
31	10009255	2	内六角紧定螺钉	set screw socket		1
32	10036373	2	机针	needle		1
33	100004813	1	直针传动轴外套	needle drive shaft sleeve(left)		1
34	100004814	1	直针传动轴内套	needle drive shaft sleeve(right)		1
35	100000850	1	针杆组件	needle bar assembly		1
36	100005864	1	针杆传动曲柄组件	needle bar crank rod assembly		1
37	10009356	1	针杆套毛毡	needle rod cover felt		1

H. 针杆传动部件 (2) / Needle bar components (2)

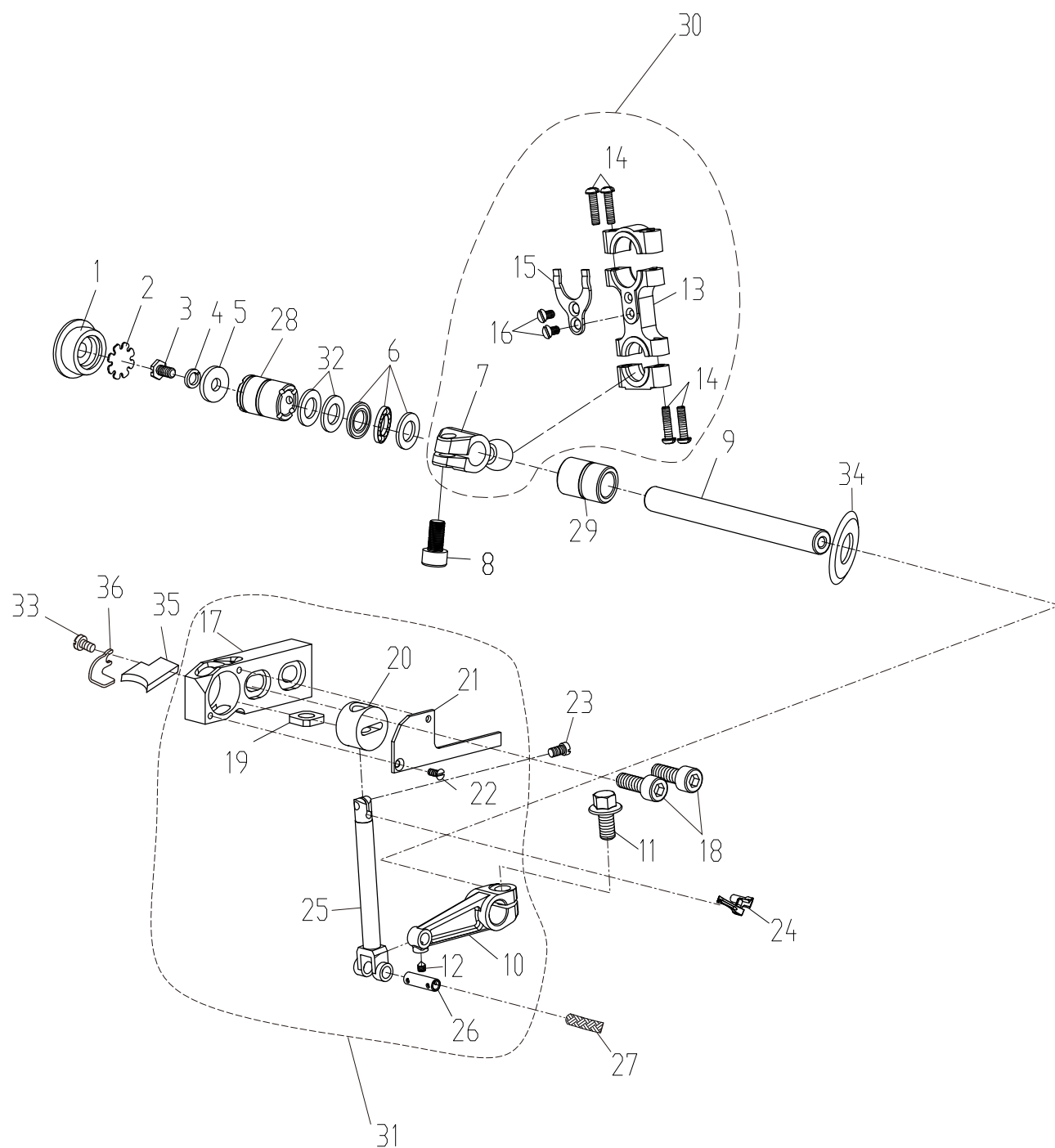


H. 针杆传动部件(2) / Needle bar components (2)

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10058559	1	针板	needle plate		1
2	10009290	2	沉头螺钉	screw flat		1
3	10009354	1	针板托	needle plate support		1
4	10010595	3	螺钉	screw		1
5	10058562	1	针板座	base of needle guard		1
6	10009582	2	防震橡胶垫	rubber cushion		1
7	10009377	1	直针前护针	front needle guard		1
8	10010595	1	螺钉	screw		1
9	10010554	1	螺钉	screw		1
10	10009023	1	直针后护针	rear needle guard		1
11	10003274	1	垫圈	washer		1
12	10009021	1	六角螺栓	bolt		1
13	10009048	1	销	pin		1

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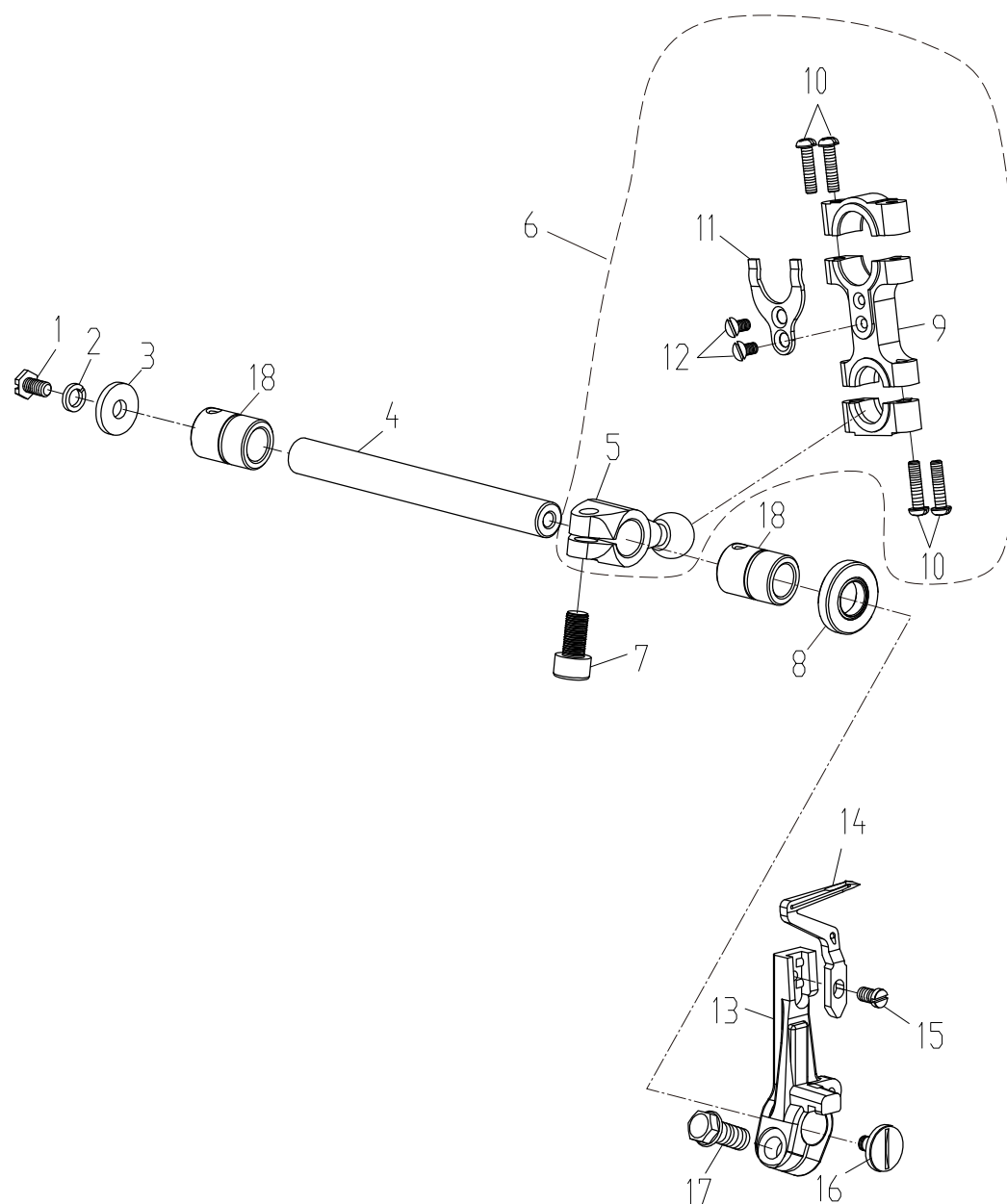
J. 上弯针传动部件 /Upper looper driving parts



J. 上弯针传动部件 /Upper looper driving parts

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10039396	1	橡皮塞	rubber plug		1
2	10039397	1	挡油架	oil baffle frame		1
3	10009349	1	六角螺栓	bolt		1
4	10005537	1	弹簧垫圈	washer spring		1
5	10033711	1	垫圈	washer		1
6	100000922	1	轴承	bearing		1
7	10003062	1	上弯针球曲柄	crank bush with ball head for upper looper		9
8	10009164	1	螺栓	bolt socket		1
9	10009404	1	上弯针轴	drive shaft for upper looper		1
10	10009373	1	上弯针摇杆	drive lever for upper looper		1
11	10009245	1	六角螺栓	bolt		1
12	10009240	1	内六角紧定螺钉	set screw socket		1
13	10003064	1	弯针传动连杆	connecting bar for upper looper		9
14	10002939	4	螺钉	screw		9
15	10009431	1	连杆挡板	fender for connecting bar		9
16	10009626	2	螺钉	screw		9
17	100004616	1	滑杆座	sliding bar bracket		9
18	10009008	2	螺栓	bolt socket		1
19	10009405	1	毛毡	felt		9
20	100004740	1	滑杆套	sliding bar bush		9
21	10009370	1	盖板	cover plate		9
22	10009379	1	沉头螺钉	screw flat		9
23	10013969	1	螺钉	screw		9
24	10009368	1	上弯针	upper looper		1
25	100004755	1	滑杆	sliding bar		9
26	10009406	1	销	pin		9
27	10008067	1	油线	oil wick		9
28	100004819	1	上弯针轴内套	upper looper drive shaft sleeve(back)		1
29	100004820	1	轴套	shaft sleeve		1
30	100005865	1	上弯针球曲柄组件	upper looper crank rod assembly		1
31	100002456	1	上弯针滑杆组件垫	upper looper sliding rod assembly		1
32	100006065	1	圈	washer		1
33	10009597	1	螺钉	screw		1
34	10063366	1	油盖垫片	oil seal cover		1
35	10009397	1	毛毡	felt		1
36	10009350	1	滑杆座毛毡压板	Felt pressing plate of sliding bar bush		1

K. 下弯针传动部件 /Lower looper drive part

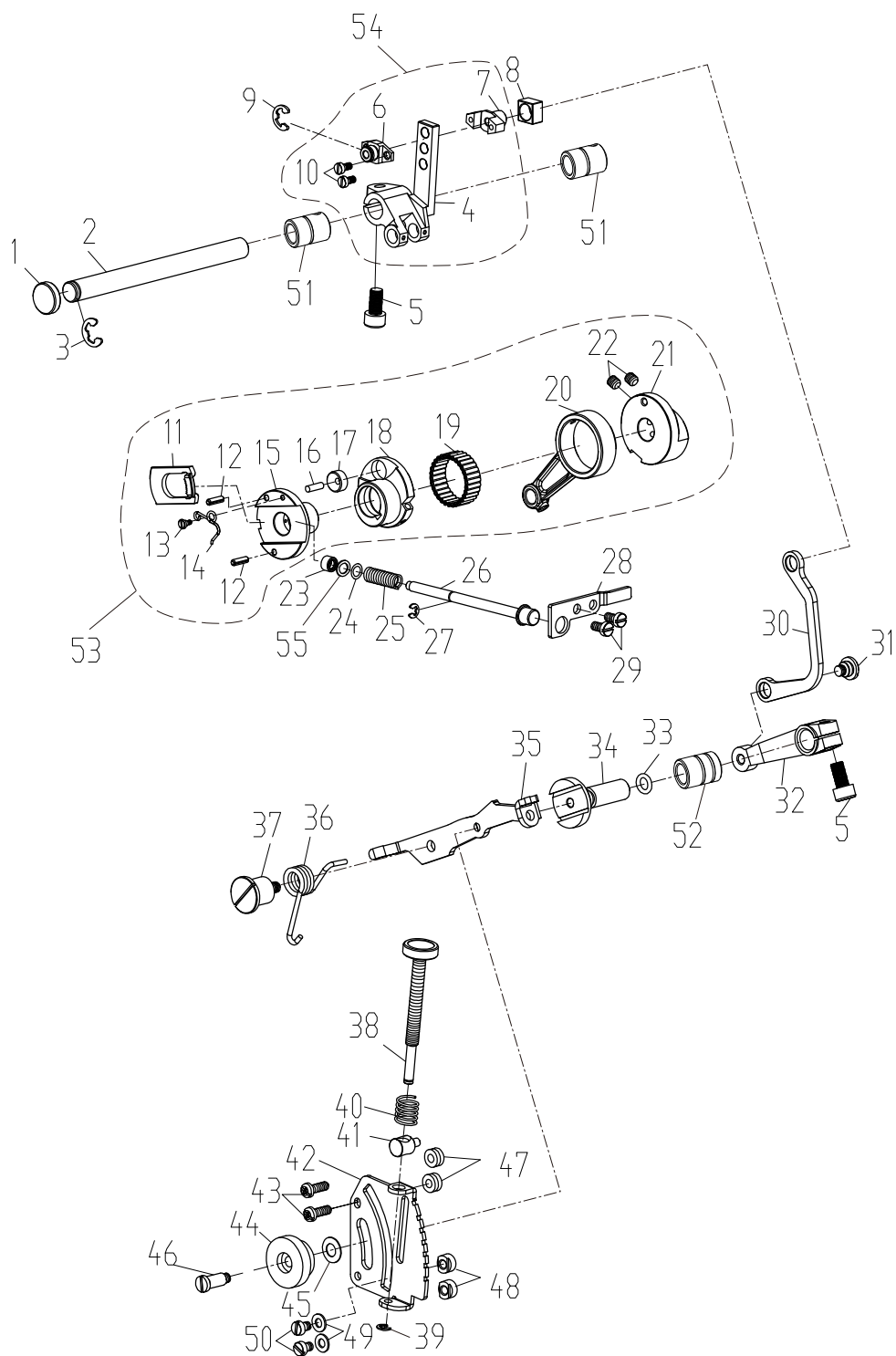


K. 下弯针传动部件 /Lower looper drive part

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10009349	1	六角螺栓	bolt		1
2	10005537	1	弹簧垫圈	washer spring		1
3	10033711	1	垫圈	washer		1
4	10009404	1	上弯针轴	drive shaft for upper looper		1
5	10003061	1	下弯针球曲柄	crank bush with ball head for looper		9
6	100005866	1	下弯针球曲柄组件	lower looper crank rod assembly		1
7	10009164	1	螺栓	bolt socket		1
8	10009399	1	油封	seal ring		1
9	10003064	1	弯针传动连杆	connecting bar for upper looper		9
10	10002939	4	螺钉	screw		9
11	10009431	1	连杆挡板	fender for connecting bar		9
12	10009626	2	螺钉	screw		9
13	10009026	1	下弯针架	stand for lower looper		1
14	10008565	1	下弯针	lower looper		1
15	100001226	1	螺钉	screw		1
16	10009394	1	螺钉	screw		1
17	10009310	1	六角螺栓	bolt		1
18	100004820	2	轴套	shaft sleeve		1

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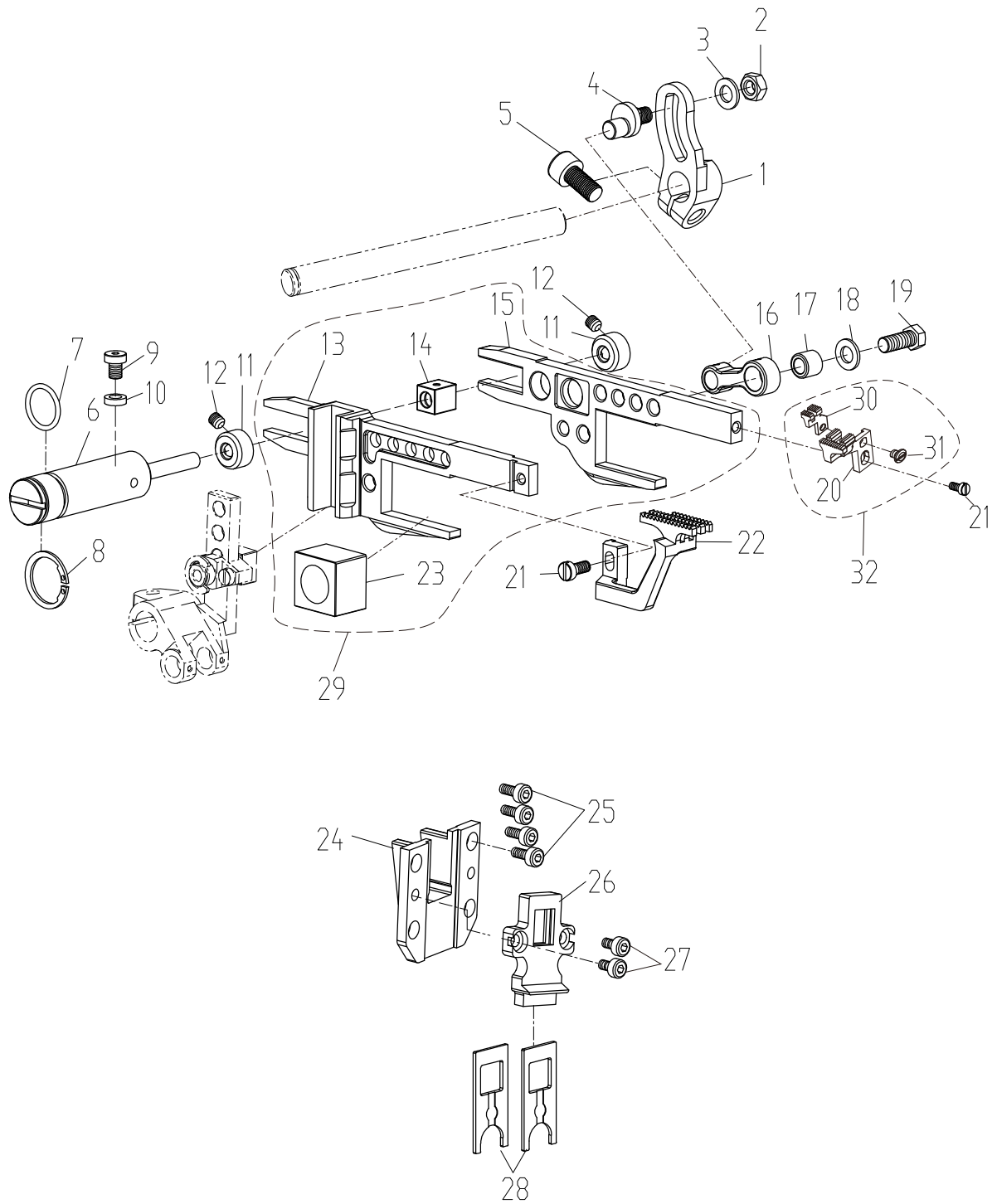
L. 差动送布机构 (1) / Differential cloth feeding mechanism (1)



L. 差动送布机构(1) / Differential cloth feeding mechanism (1)

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	100001035	1	橡胶塞	rubber plug		1
2	10009198	1	送料轴	feeding shaft		1
3	10009239	1	挡圈	retaining ring		1
4	10002593	1	差动调节右曲柄	right crank of differential regulator		9
5	10009164	2	螺栓	bolt socket		1
6	10002591	1	曲柄滑槽盖	crank slide cover		9
7	10002592	1	曲柄滑槽	crank slide		9
8	10009139	1	差动牙架滑块	sliding block		1
9	10008989	1	挡圈	retaining ring		1
10	10009625	2	螺钉	screw		9
11	10002889	1	内齿锁紧块	sliding block with inner teeth		9
12	10009298	2	销	pin		9
13	10002890	1	螺钉	screw		9
14	10002887	1	扭簧	spring		9
15	10002885	1	针距调节凸轮	adjusting cam for stitch length		9
16	10003219	1	销	pin		9
17	10003218	1	送布偏心轮导轮	guiding wheel of feeding eccentric wheel		9
18	10009327	1	送布偏心轮	feeding eccentric wheel		9
19	10002888	1	轴承	bearing		9
20	10002946	1	滚针轴承连杆	connecting bar		9
21	10002977	1	针距调节偏心轮片	eccentric wheel of stitch length regulator		9
22	10012162	2	内六角紧定螺钉	set screw socket		9
23	100000959	1	针距按钮轴密封圈	oil seal		1
24	10009246	1	垫圈	washer		1
25	10009248	1	针距按钮轴弹簧	spring		1
26	10009249	1	针距调节按钮轴	button shaft		1
27	10003248	1	挡圈	retaining ring		1
28	10009040	1	针距按钮挡板	plate		1
29	10010595	2	螺钉	screw		1
30	10008995	1	差动调节连杆	differential regulating connecting rod		1
31	10009624	1	轴位螺钉	shoulder screw		1
32	10009256	1	差动调节左曲柄	left crank of differential regulator		1
33	10009608	1	O型圈	O ring		1
34	10034607	1	差动调节轴	shaft of differential regulator		1
35	10009224	1	调节杆	adjusting bar		1
36	10009563	1	扭簧	spring		1
37	10009558	1	轴位螺钉	shoulder screw		1
38	10009218	1	微调螺柱	trim stud		1
39	10003248	1	挡圈	retaining ring		1
40	10009205	1	弹簧	spring		1
41	10009203	1	螺母	nut		1
42	10009223	1	调节指示板	indication plate of adjustment		1
43	10009037	2	螺钉	screw		1
44	10009565	1	螺母	nut		1
45	10009564	1	垫片	washer		1
46	10009562	1	螺钉	screw		1
47	100000869	2	垫圈	collar		1
48	10010894	2	限位块	position plate		1
49	10003083	2	垫片	washer		1
50	10010554	2	螺钉	screw		1
51	100004820	2	轴套	shaft sleeve		1
52	100004818	1	差动轴套	differential shaft sleeve		1
53	10008816	1	送布偏心轮组件	eccentric as-cloth feed assembly		1
54	10009000	1	差动调节右曲柄组件	differential adjustment right crank assembly		1
55	100000958	1	O型圈	O ring		1

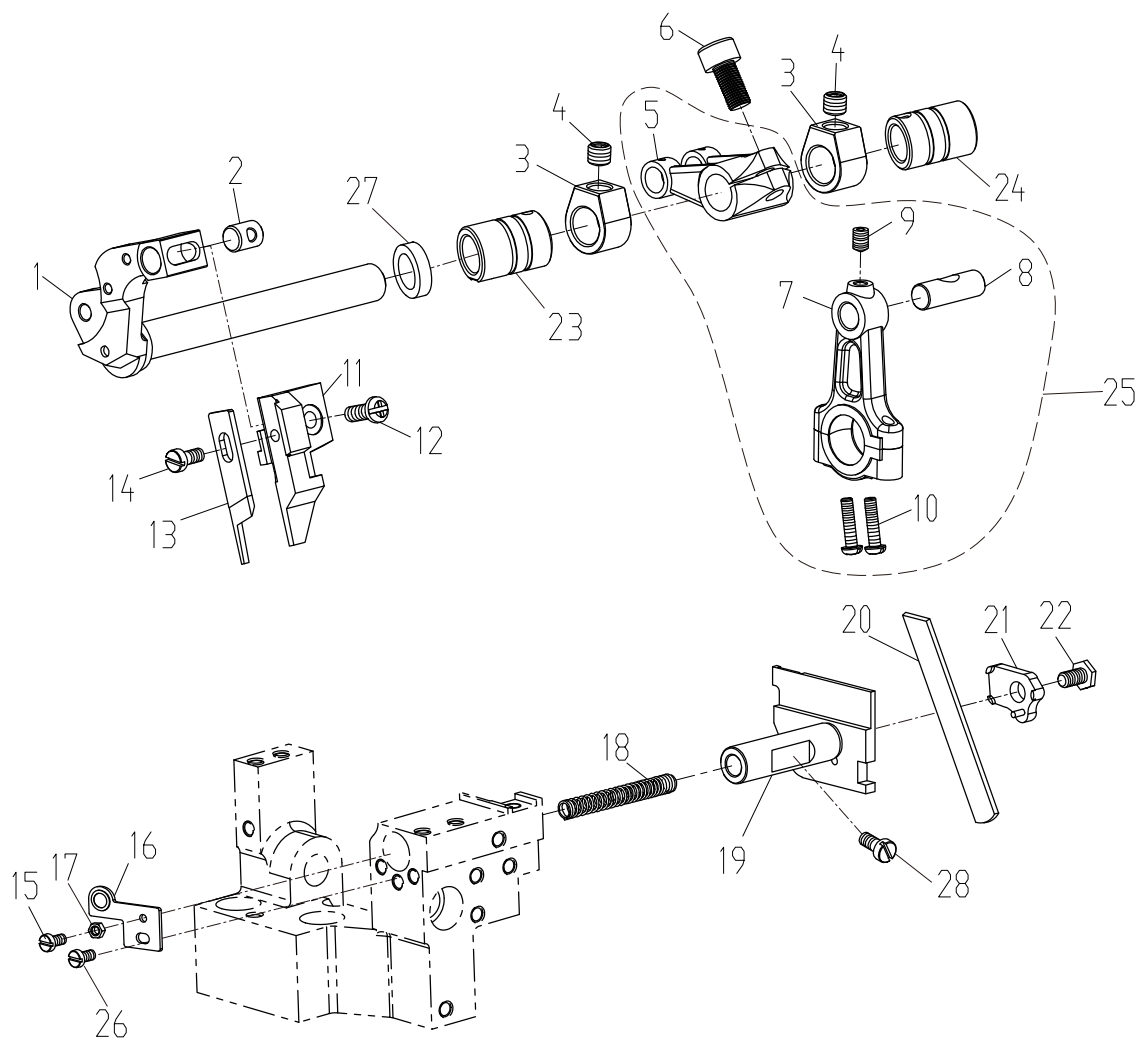
M. 差动送布机构 (2) / Differential cloth feeding mechanism (2)



M. 差动送布机构(2) / Differential cloth feeding mechanism (2)

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10009194	1	方口曲柄	crank with rectangular shaft		1
2	10009467	1	螺母	nut		1
3	10009192	1	垫圈	washer		1
4	10009193	1	送料连杆销	pin with thread for feeding connecting rod		1
5	10009164	1	螺栓	bolt socket		1
6	10009137	1	抬牙调节偏心轴	eccentric shaft		1
7	10009391	1	O型圈	O ring		1
8	10009136	1	挡圈	retaining ring		1
9	10009117	1	偏心轴锁紧螺钉	screw		1
10	10009114	1	偏心轴锁紧螺钉橡胶垫	rubber cushion		1
11	10009166	2	挡圈	washer		1
12	10023463	2	内六角紧定螺钉	set screw socket		1
13	10009140	1	差动牙架	differential feed bracket		1
14	10009134	1	抬牙调节滑块	sliding block		1
15	10009141	1	送料牙架	feed bracket		1
16	10066197	1	送料连杆	feeding connecting rod		1
17	10023487	1	连杆销套	bush connecting rod		1
18	10009192	1	垫圈	washer		1
19	10009142	1	六角螺栓	bolt		1
20	10002704	1	主送料牙	main feed dog		9
21	10009115	2	螺钉	screw		1
22	10009107	1	差动送料牙	differential feed dog		1
23	10009133	1	抬牙滑块	sliding block for feed dog lifting		1
24	100000867	1	牙架导板组件	guiding plate of feed dog stand		1
25	100001030	4	螺栓	bolt socket		1
26	100000868	1	外油封架	outer oil seal stand		1
27	10037434	2	螺栓	bolt socket		1
28	10037823	2	牙架油封	oil seal		1
29	10006869	1	牙架组件	feed bracket assembly		1
30	10002665	1	辅助送料牙	chain feed dog		9
31	10010555	1	螺钉	screw		9
32	10009112	1	主送料牙组件	main feed dog assembly		1

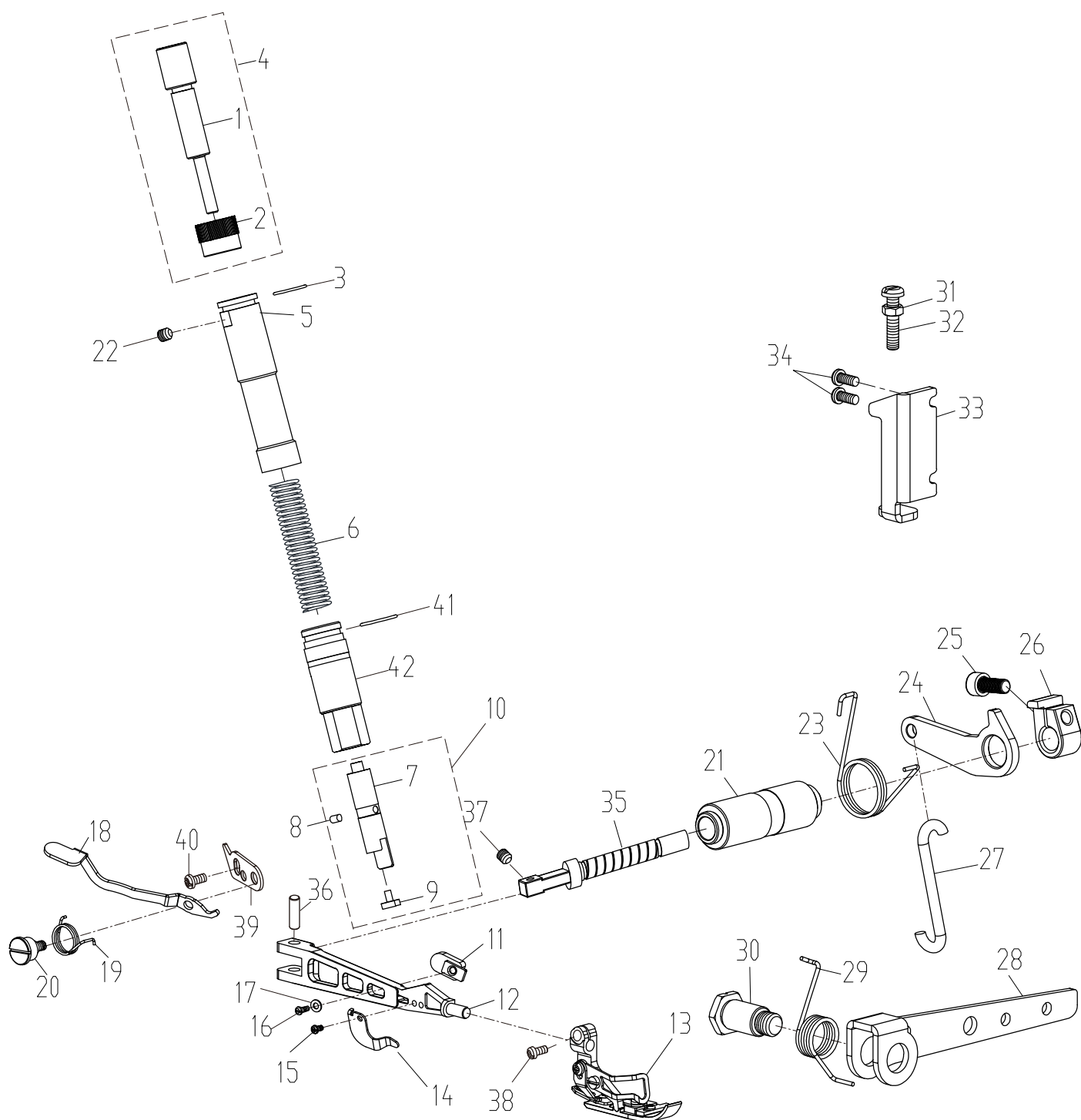
N.切料部件 /Cutting parts



N. 切料部件 /Cutting parts

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10037470	1	上刀轴	shaft of upper knife drive		1
2	10009070	1	上刀架紧固销	fastening pin for upper knife holder		1
3	10009078	2	上刀轴挡圈	retaining ring		1
4	10022863	2	内六角紧定螺钉	set screw socket		1
5	10009434	1	上刀轴曲柄	crank of upper knife drive		9
6	10009164	1	螺栓	bolt socket		1
7	10002942	1	上刀轴传动连杆	connecting bar of upper knife drive		9
8	10009432	1	直针连杆销	pin for connecting rod		9
9	10009109	1	内六角紧定螺钉	set screw socket		9
10	10002939	2	螺钉	screw		9
11	10009068	1	上刀架	upper knife holder		1
12	10009037	1	螺钉	screw		1
13	10009611	1	上刀	upper knife		1
14	10009115	1	螺钉	screw		1
15	10009075	1	螺钉	screw		1
16	100001006	1	弹簧挡板	fender of spring		1
17	10009471	1	六角螺母M4	nut		1
18	10014399	1	弹簧	spring		1
19	10009045	1	下刀架	lower knife holder		1
20	10010866	1	下刀	lower knife		1
21	10009043	1	下刀压板	press plate for lower knife		1
22	10009349	1	六角螺栓	bolt		1
23	100004815	1	上刀轴 外套	upper knife shaft sleeve(left)		1
24	100004816	1	上刀轴内套	upper knife shaft sleeve(right)		1
25	100005867	1	上刀轴曲柄组件	upper knife crank rod assembly		1
26	10009042	1	螺钉	screw		1
27	100001050	1	上刀轴油封	upper knife shaft oil seal		1
28	10010595	1	螺钉	screw		1

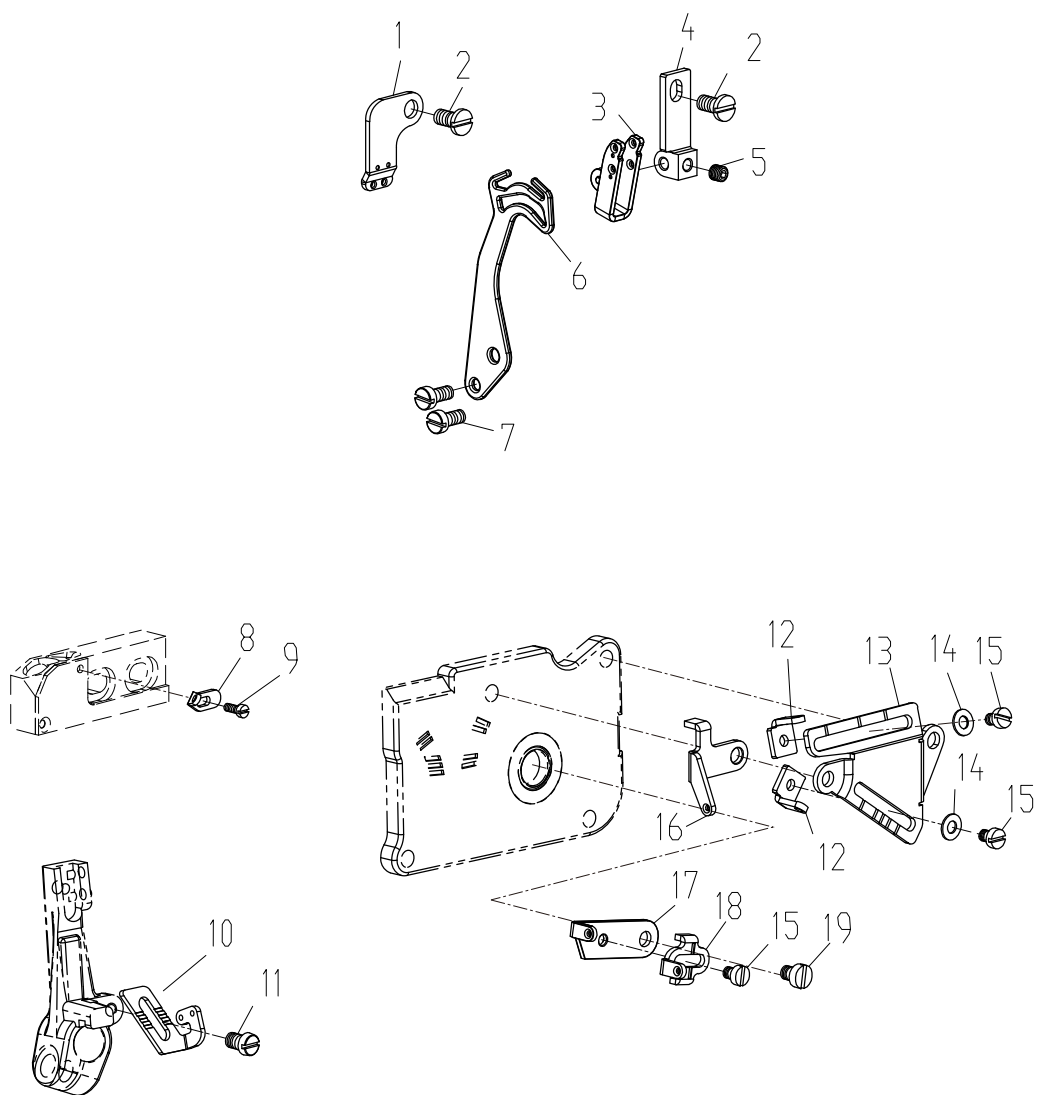
P. 压脚部件 / Presser foot parts



P. 压脚部件 / Presser foot parts

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10058290	1	调压螺钉	screw for adjusting pressure of presser foot		9
2	10057465	1	调压螺母	nut for adjusting pressure of presser foot		9
3	100001007	1	O型圈	O ring		1
4	10060166	1	调压螺钉螺母组件	pressure regulating screw nut assembly		1
5	100005512	1	压脚杆套	press pin plastic cover		1
6	10058291	1	弹簧	spring		1
7	100001160	1	压脚杆	bar of presser foot		9
8	100000862	1	销	pin		9
9	100001161	1	塑料垫	plastic mat		9
10	100001079	1	压脚杆组件	presser foot bar assembly		1
11	100001042	1	压脚安全开关磁铁	foot safety switch magnet		1
12	100000953	1	压脚臂	arm of presser foot lifting		1
13	10054662	1	压脚组件	presser foot assembly		1
14	100001364	1	切刀防护板	guard plate of cutter		1
15	10009529	1	螺钉	screw		1
16	10010594	1	螺钉	screw		1
17	10003083	1	垫圈	washer		1
18	100000877	1	压脚扳手	hand lifter of presser foot		1
19	100000880	1	压脚扳手扭簧	spring		1
20	100000878	1	轴位螺钉	shoulder screw		1
21	100004812	1	压脚轴套	bush of presser foot lifting		1
22	10011314	1	内六角紧定螺钉	set screw socket		1
23	100001038	1	扭簧	spring		1
24	100000886	1	抬压脚连杆	connecting bar for presser foot lifting		1
25	10009616	1	螺栓	bolt socket		1
26	10034616	1	抬压脚曲柄	crank for presser foot lifting		1
27	100001037	1	抬压脚拉杆	pulling lever for presser foot		1
28	100001419	1	抬压脚杠杆	lever for the presser foot		1
29	10009036	1	杠杆扭簧	spring for lever		1
30	10036965	1	螺钉	screw		1
31	10009623	1	螺钉	screw		1
32	10009467	1	螺母	nut		1
33	10009159	1	制动板	brake plate		1
34	10009104	2	螺钉	screw		1
35	100004610	1	压脚轴	shaft of presser foot		9
36	10009319	1	销	pin		9
37	10014216	1	内六角紧定螺钉	set screw socket		9
38	10010304	1	螺钉	screw		9
39	100000882	1	压脚高度限位片	presser foot height limit piece		1
40	10010554	1	螺钉	screw		1
41	100001008	1	O型圈	O ring		1
42	100004817	1	压脚杆套	presser foot rod sleeve		1

Q.挑线过线部件 / Take-up and threading parts

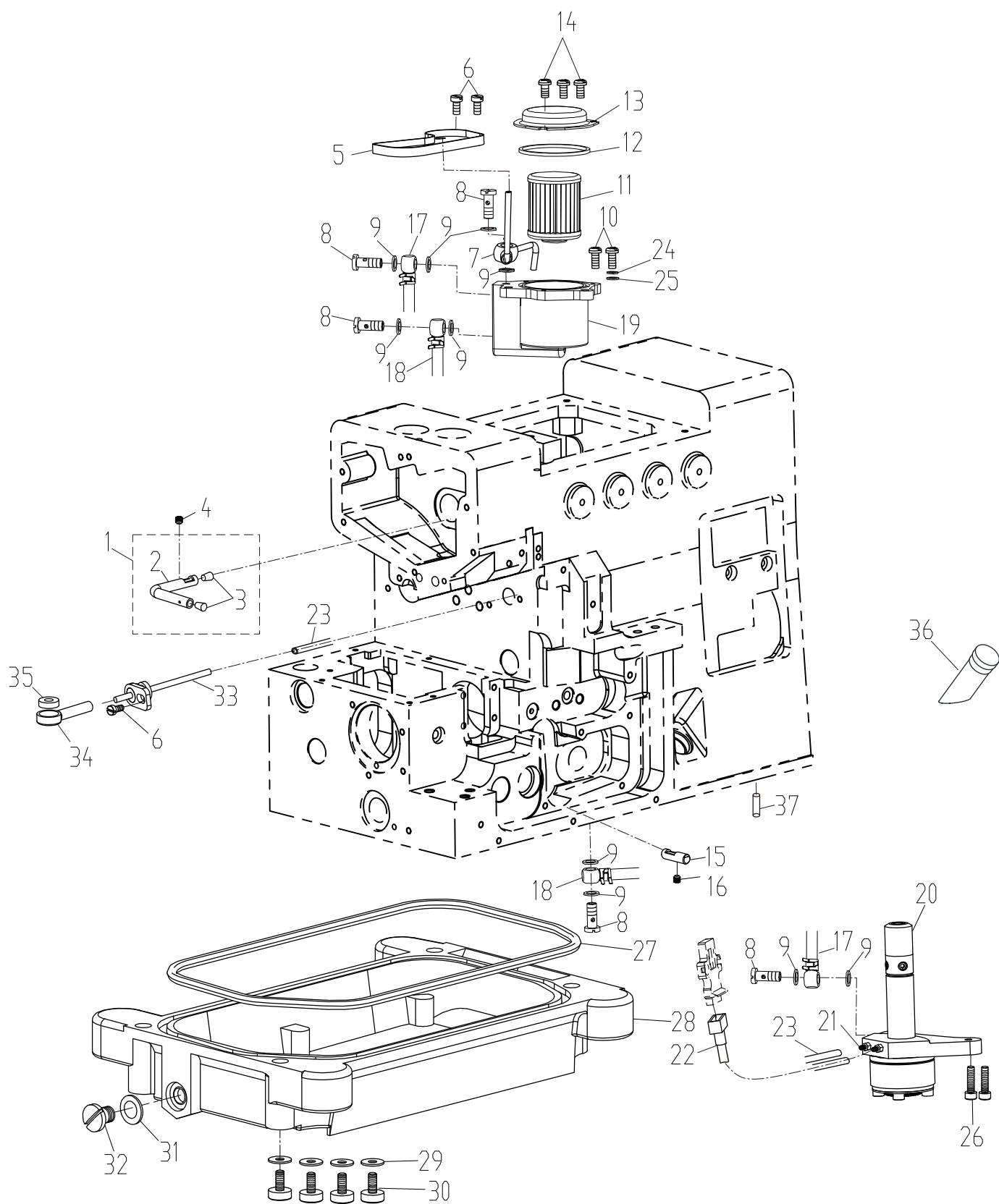


Q. 挑线过线部件 / Take-up and threading parts

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	100000945	1	直针过线板	thread guide plate		1
2	10010594	2	螺钉	screw		1
3	10009058	1	上挑线夹组件	thread tension plate		1
4	10009015	1	挑线夹固定架	fixing stand for thread take-up clamp		1
5	10023463	1	内六角紧定螺钉	set screw socket		1
6	100000954	1	挑线架	needle thread take-up		1
7	10009600	2	螺钉	screw		1
8	10009369	1	上弯针小过线板	small thread guide plate of upper looper		1
9	10009353	1	螺钉	screw		1
10	10065093	1	下弯针过线板	thread guide plate for lower looper		1
11	10030363	1	螺钉	screw		1
12	10009013	2	弯针小过线板	thread guide plate of looper		1
13	10009154	1	弯针下过线板架	stand of lower thread guide plate		1
14	10009599	2	垫圈	washer		1
15	10009529	3	螺钉	screw		1
16	10009153	1	上弯针过线板	thread guide plate of upper looper		1
17	10009147	1	上弯针轴内过线板	upper looper thread take-up		1
18	10009012	1	上弯针轴外过线板	lower looper thread take-up		1
19	10010595	1	螺钉	screw		1

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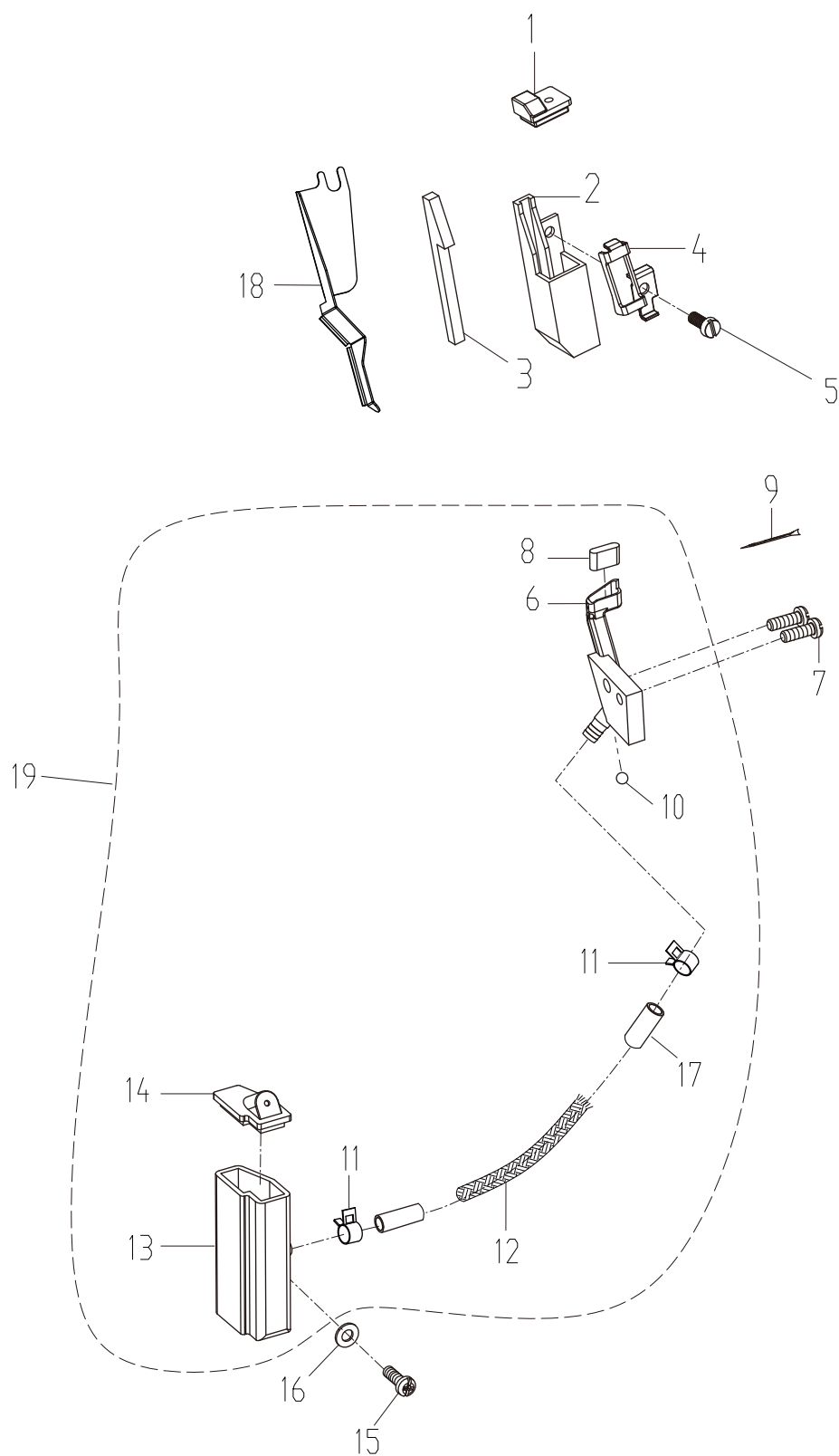
R. 润滑部件 / Lubricating parts



R. 润滑部件 / Lubricating parts

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	100002782	1	针杆给油销组件	needle rod feed pin assembly		1
2	10008992	1	针杆给油销	oil pipe for needle bar		1
3	10009039	2	针杆给油销橡胶塞	rubber plug		1
4	10023463	1	内六角紧定螺钉	set screw socket		1
5	100000881	1	分油板	oil distributing plate		1
6	10010595	3	螺钉	screw		1
7	100004842	1	分油管组件	oil distributing pipe assembly		1
8	10009592	5	螺钉	screw		1
9	100005736	10	垫圈	washer		1
10	100001040	2	螺钉	screw		1
11	10043169	1	滤油器	oil filter		1
12	10009144	1	O型圈	O ring		1
13	10009006	1	滤油器盖	oil filter cover		1
14	10010554	3	螺钉	screw		1
15	100002424	1	给油销组件	oil feeding pipe assembly		1
16	10023463	1	内六角螺钉螺钉	set screw socket		1
17	100004992	1	滤油器油管组件 (250mm)	oil filter tube assembly (250mm)		1
18	100004926	1	滤油器油管组件 (195mm)	oil filter tube assembly (195mm)		1
19	100000848	1	油分配器	oil distributor		1
20	100000977	1	油泵组件	assembly of oil pump		1
21	100004823	2	螺钉接头	screw joint		1
22	100001011	1	牙架油封回油管组件	feed bracket oil return tube assembly		1
23	100001010	1	针杆回油套油管	needle rod oil return tube		1
24	10009503	2	弹簧垫圈	washer spring		1
25	10003083	2	垫圈	washer		1
26	10009103	2	螺钉	screw		1
27	10052381	1	油盘垫	washer for oil tray		1
28	10052380	1	油盘	oil tray		1
29	10009447	4	垫圈	washer		1
30	10009095	4	螺钉	screw		1
31	10009263	1	垫圈	washer		1
32	10009264	1	轴位螺钉	shoulder screw		1
33	100000863	1	针杆回油架	oil return bush of needle bar stand		1
34	100000998	1	针杆回油套组件	needle rod oil return sleeve assembly		1
35	100000999	1	针杆回油套毛毡	needle rod oil return sleeve felt		1
36	100000874	1	油标组件	oil gauge window		1
37	10007800	1	油管 (40mm)	oil tube (40mm)		1

S.H·R装置 / H·R device

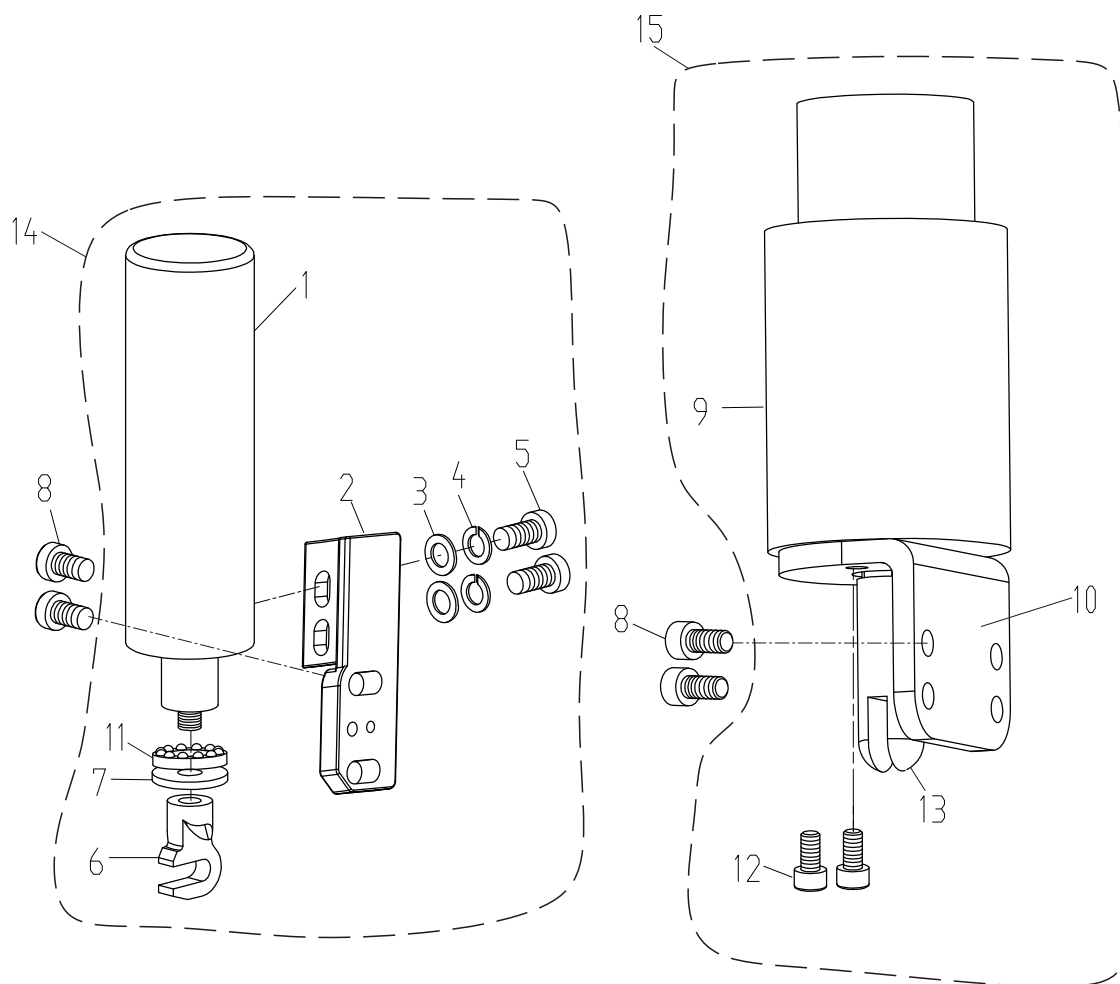


S. H-R装置 / H-R device

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10008925	1	盒盖	box cover		1
2	10009094	1	上硅油盒	upper silicon oil box		1
3	10057519	1	毛毡	felt		1
4	10057520	1	毛毡压板	presser plate for felt		1
5	10009104	1	螺钉	screw		1
6	10008931	1	硅油盒	silicon oil box		9
7	10009037	2	螺钉	screw		1
8	10008922	1	毛毡	felt		9
9	10003344	1	大头针	pin		9
10	10009826	1	钢球	steel ball		9
11	10011471	2	紧固圈	fastening ring		9
12	10008072	1	油线	oil wick		9
13	10008971	1	下硅油盒	lower silicon oil box		9
14	10008883	1	盒盖	box cover		9
15	10009037	1	螺钉	screw		1
16	10003083	1	垫圈	washer		1
17	10007796	1	油管	tubing		1
18	100000883	1	挡油板	seal plae		1
19	100001066	1	下硅油盒组件	lower silicone oil box assembly		1

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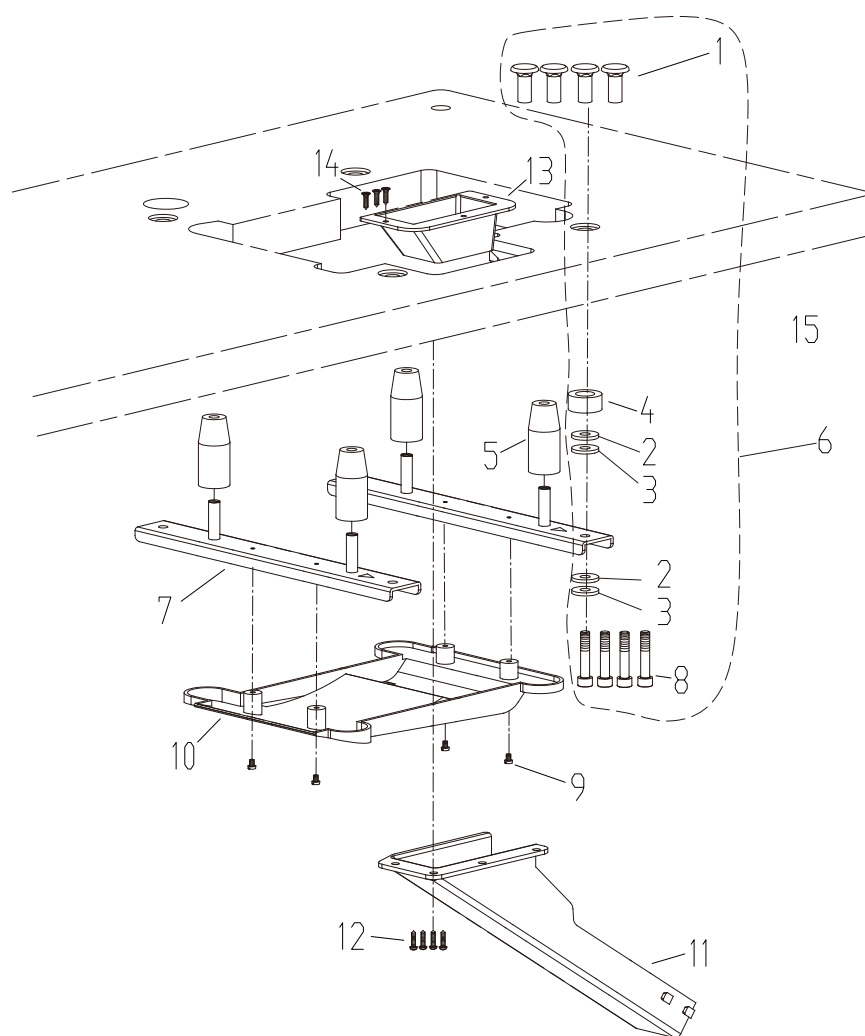
T. 电磁铁驱动剪线抬压脚部件 /Solenid parts



T. 电磁铁驱动剪线抬压脚部件 / Solenid parts

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	100006051	1	剪线电磁铁	tape cutter solenid		9
2	10053101	1	电磁铁安装座	saddle of the tape cutter solenid		9
3	10010835	2	垫圈	washer		9
4	10052480	2	弹簧垫圈	washer spring		9
5	10054136	2	螺栓	bolt socket		9
6	10037484	1	剪线气缸接头	contact		9
7	10022739	1	垫圈	washer		9
8	10001839	4	螺栓	bolt socket		1
9	100006052	1	抬压脚电磁铁	pres. foot lifter solenid		9
10	10052113	1	抬压脚电磁铁固定板	plate of the fixing		9
11	100005652	1	橡胶垫	rubber pad		9
12	10003165	2	螺栓	bolt socket		9
13	10051758	1	抬压脚顶杆	contact		9
14	10049858	1	剪线电磁铁组件	tape cutter solenid assembly		1
15	100000875	1	抬压脚电磁铁大组件	pres. foot lifter solenid assembly		1

U.油盘托架 /Oil pan bracket

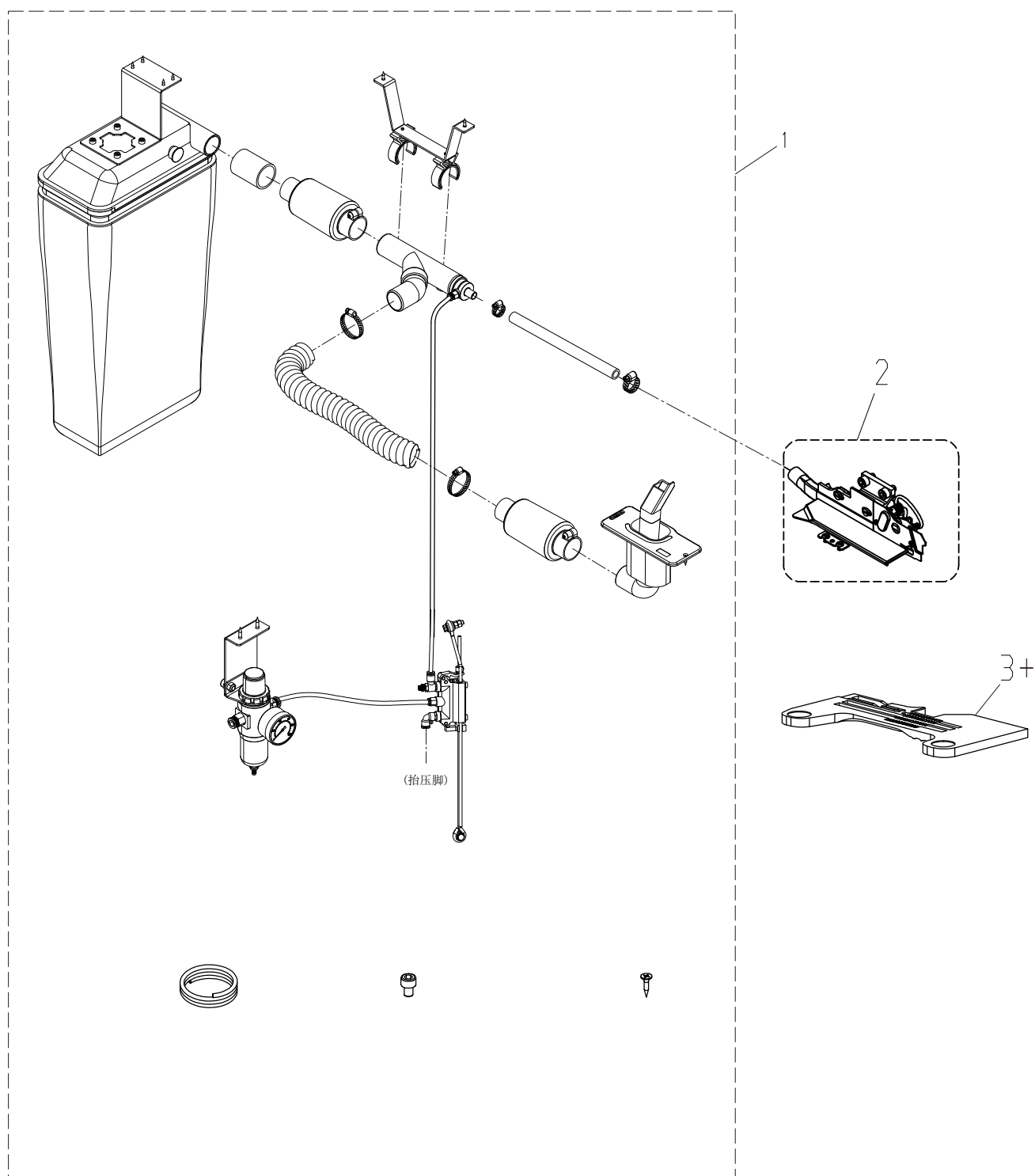


U. 油盘托架 /Oil pan bracket

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10009596	4	螺套	bush		9
2	10059968	8	塑料垫	plastic mattress		9
3	10009272	8	垫圈	washer		9
4	10059966	4	橡胶垫	rubber blanket		9
5	10059964	4	托盘橡胶垫	pallet rubber mat		1
6	100005430	4	防震螺钉组件	shockproof screw assembly		1
7	10063361	2	托盘支架	tray support assembly		1
8	10003106	4	螺钉	screw		9
9	10009868	4	螺钉	screw		1
10	10059962	1	托盘	tray		1
11	100005429	1	下料槽包装组件	duster chute assembly		1
12	10004981	3	螺钉	screw		1
13	10033756	1	下料口	bracket		1
14	10051357	2	螺钉	screw		1

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V.选配件/Optionals

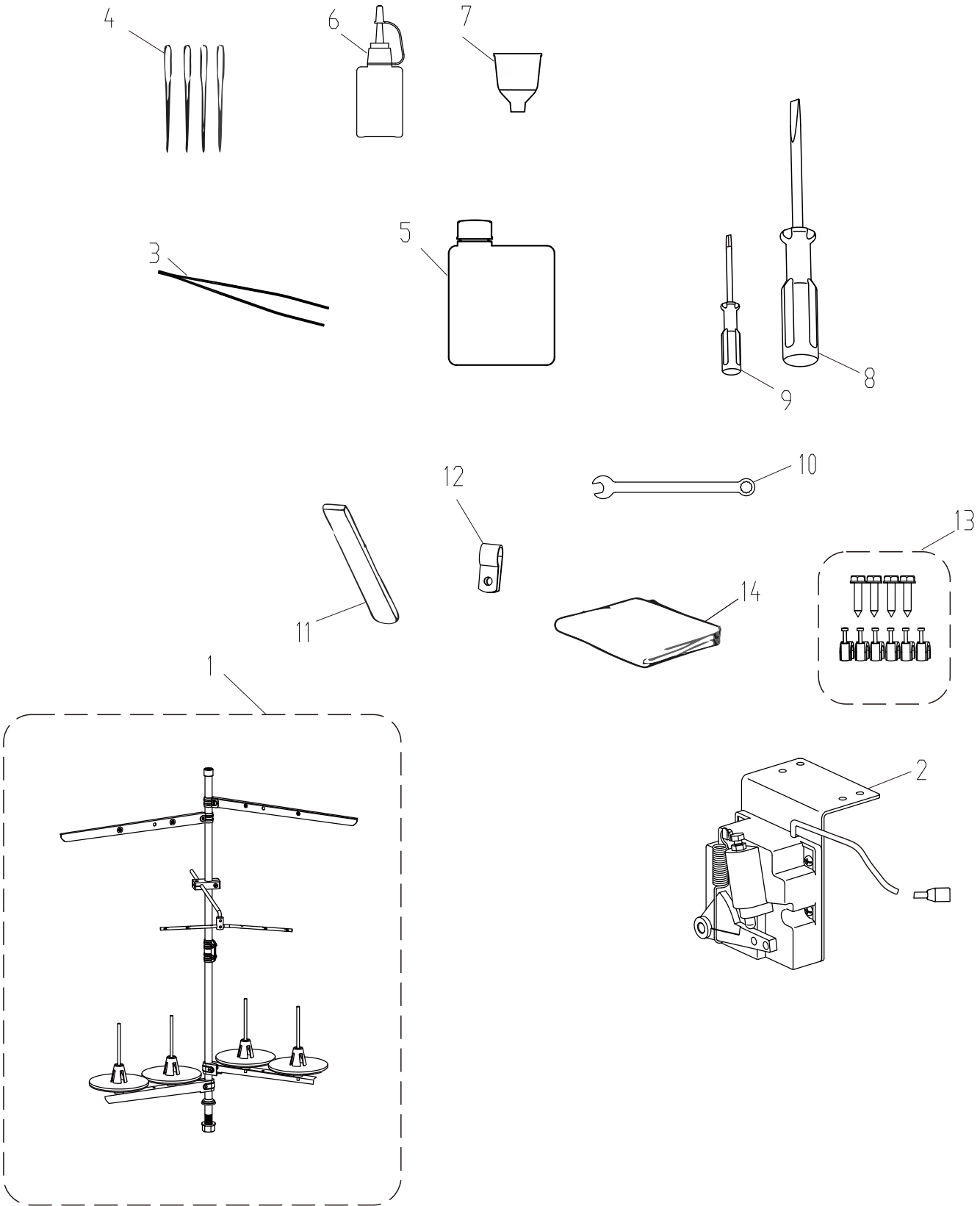


V. 选配件 /Options

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	100004672	1	吸尘组件	lint collector		1
2	100004708	1	四线竖直切刀组件	vertical chain cutter		1
3+	100005571	1	针板 (吐线舌5mm)	needle plate(5mm)		1
3+	100005572	1	针板 (吐线舌3mm)	needle plate(3mm)		1

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Z. 打包附件 /Package accessories



Z. 打包附件 /Package accessories

参照号	零部件序号	数量	零部件名称	NAME OF PARTS	RM	补给标记
1	10007906	1	四线线架部件	four wire rack components		1
2	100008474	1	踏板组件	pedal assembly		1
3	100004977	1	镊子组件	tweezers assembly		1
4	10036373	4	机针	needle		1
5	100004954	1	油壶组件	oil pot assembly		1
6	10011155	1	硅油瓶	silicone oil bottle		1
7	10008932	1	漏斗	funnel		1
8	10010994	1	大螺丝刀	large screwdriver		1
9	10009270	1	内六角扳手	inner hexagon spanner		1
10	10009274	1	呆扳手	wrench		1
11	10010866	1	下刀	lower knife		1
12	10031975	1	线夹	cord holder		1
13	100005294	1	电控附件螺钉组件	screw as-electric control accessory		1
14	10004492	1	机头套	head cover		1

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Ga. 规格件表/Gauge parts list

机型	针距	包边宽度	针板	主送料牙组件	差动送料牙	压脚组件	上弯针
							
MACHINE TYPE	needle space	overedge width	needle plate	main feed dog assembly	differential feed dog	presser foot assembly	upper looper
FB-N21A-W020	2	4	10058559	10009112	10009107	10054662	10009368

机型	下弯针	上刀	下刀	护针		针夹头	针
				前	后		
							
MACHINE TYPE	lower looper	upper knife	lower knife	needle guard		needle holder	needle
				front	rear		
FB-N21A-W020	10008565	10009611	10010866	10009377	10009023	10009340	DC×27 11#