

ZJ5300.

使用说明

INSTRUCTION MANUAL

零件手册

PARTS BOOK

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使用 说 明

1. 主要技术规格 SPECIFICATIONS

规格	参数
缝料	薄料至中厚料
最高转速(rpm)	4500
最大针距(mm)	5
针杆行程(mm)	31.8
机针	DP x1 9#~14#
压脚提升 手控(mm)	4
高度 膝控(mm)	10
润滑系统	自动
旋梭	自动润滑旋梭
润滑方式	自动润滑
电机	0.37千瓦 (缝纫机专用电机)

Specification		Parameter
Application		For light materials and medium heavy materials
Max sewing speed		4500spin
Max stitch length		5mm
Needle bar journey		31.8mm
Needle		DP x1 9#~14#
Lifting height of presser foot	Hand lifter	4mm
	Knee lifter	10mm
Lubricating system		Auto
Rotating hook		Automatic hook lubrication
Lubrication		Automatic lubrication
Motor power		0.37KW

2. 操作前注意事项 BEFORE OPERATION

1. 安全注意事项:

- 1) 当电源开关接通后, 手指离开机针及主动轮区域。
- 2) 当机器停止使用或操作者离开座位时, 请将电源关闭。
- 3) 当倾斜机头, 装拆皮带以及调整或移动机器时, 请将电源关闭。
- 4) 在缝纫机运转时, 避免将手指、头发、杆状物等靠近主动轮及皮带或电机带轮, 否则将会受伤。
- 5) 机器开动状态下, 请勿将手指插入挑线杆防护罩, 勿将手指置于机针或主动轮处。
- 6) 如果装设了皮带罩及护手罩, 在没有这些安全设施前请勿操作机器。

1. Caution

- 1) Keep your hand away from the lower part of the needle and the driving wheel when the machine is running.
- 2) Please turn off power when leaving the working place or when the working place is unattended.
- 3) Please turn off power when tilting the machine head install the wheel belt and adjust or remove the machine.
- 4) To avoid personal injury, keep your fingers, head and other objects away from the hand wheel, V belt and motor while the machine is in operation.
- 5) Do not put your hand into the lower part of the needle, the driving wheel and the thread take-up lever cover when the machine is running.
- 6) Do not start the machine unless it has been installed the belt cover and protect the hand housing or protect the eye housing.

2. 操作须知:

- 1) 如果油槽内没有加到规定高度, 请勿操作机器。
- 2) 如果机器是滴油润滑, 在润滑前不要操作机器。
- 3) 当一台缝纫机首次运转时, 请验证主动轮的旋向。(从主动轮方向看过去, 主动轮旋向为逆时针方向。)
- 4) 请核对电压(单相或三相与铭牌上的数据是否相符。)

3. 操作条件:

- 1) 避免在非正常高温(35℃或更高)状态下使用机器, 否则机器将出现故障。
- 2) 避免在灰尘环境下使用机器。

2. Noted on use

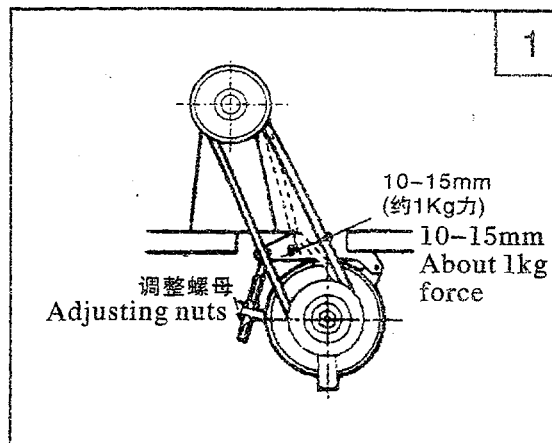
- 1) Must not start the machine if no oil in reservoir,
- 2) If your machine is all oiling, do not operate the machine before lubricate.
- 3) When running the balance wheel must in counterclockwise rotation (view from right side of the balance wheel). Must not start the machine when balance wheel in reverse clockwise direction.
- 4) Confirm that the voltage has been correctly set. confirm that the power plug has been properly connected to the power supply.

3. Pre-start checks

- 1) Never operate your machine under the abnormally high temperature (35℃ or higher) otherwise the machine will be in trouble.
- 2) The machine has to be operated in an environment that is free from dust.

3. 安装皮带 (图1) INSTALLATION FOR BELT (FIG 1)

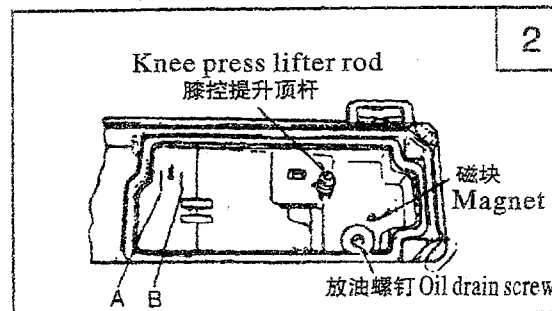
- 1) 使用缝纫机用O型带。
 - 2) 调整皮带张力, 通过旋转张力调节螺母来改变电机高度, 在皮带表面中心位置用手压下, 皮带向内陷进10mm-15mm即可。
- 1) Use the sewing machine special O type belt
 - 2) Regulate the belt tension; change the high of electromotor through turn the nut to adjust the tension, there is 10-15mm of deflection in the belt when it is pressed with the finger.



4. 润滑 (图2) OILING (FIG 2)

将油注入油盘A位置。在操作过程中, 经常检查油的水平面高度。如油位低于B位置, 加油至A位。

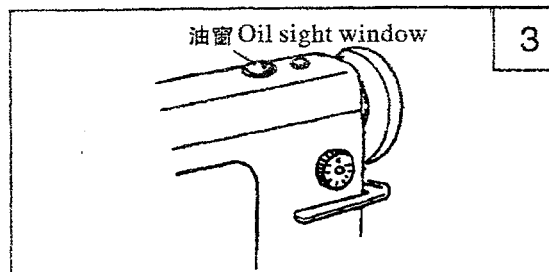
Before starting the machine, the oil reservoir must be filled with sewing machine oil to the part mark "A". When lubricating is normal, you can check the oil level by oil sight window, if oil level below the mark low, should fill in more again.



5. 油润滑情况 (图3) THE SITUATION OF OILING(FIG 3)

操作机器时，可以通过油窗检查供油润滑情况。

Start the machine after oiling, when lubricating is normal, you can check the situation of oiling by oil sight window.



6. 旋梭润滑的调整 (图4) TO ADJUST THE OIL FEED TO ROTATING HOOK

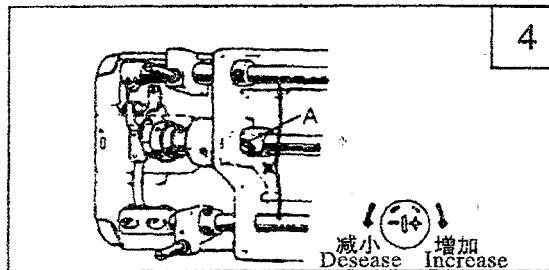
可以通过旋转螺钉A来调整旋梭的润滑情况。当螺钉旋紧时，油量变大。

当螺钉旋松时，油量变小。

注意：调整该螺钉后，机器应至少运转60秒钟，然后检查油是否渗入旋梭，可在旋梭旁用纸停留60秒，在纸上应有飞溅的油点。

Turn clockwise ("+" direction) oil amount adjusting screw A Oil the rotating hook for more oil; counterclockwise ("-" direction) for less oil.

Note: after adjustment. Give the machine with an idle run for about 10 minutes. if the oil spraying onto the pepper, do not be worried about it.



7. 油泵的调整 (图5) OIL PUMP SUPPLY ADJUSTMENT(FIG 5)

标准的调整方法如下：

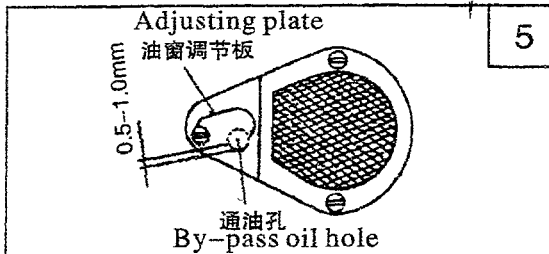
油量调节板应盖住通油孔

如向减少供油量，就将通油孔适当地打开多一点

The way of adjustment as follows:

The adjusting plate should cover the By-pass oil hole

When the adjusting plate is brought to the far side of by-pass oil hole the oil amount is more.



8. 定期清洁机器 (图6.7.8) PERIODICAL CLEANING(FIG 6.7.8)

定期清扫送布牙、旋梭和油泵 Periodical clean the feed dog, rotating and oil pump

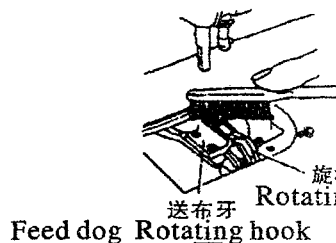


图6 Fig6

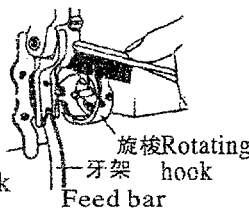


图7 Fig7

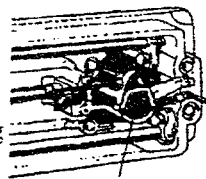


图8 Fig8

(电机维护) 每1-2个月将罩上的灰尘除掉。(电机罩长时间带灰尘或其它杂物作业会引起过热)

9. 安装皮带罩 FIXING BELT COVER

为安全起见，缝纫机及电机均需安装皮带罩。

Sewing machine and electromotor need to fixed belt cover for safety

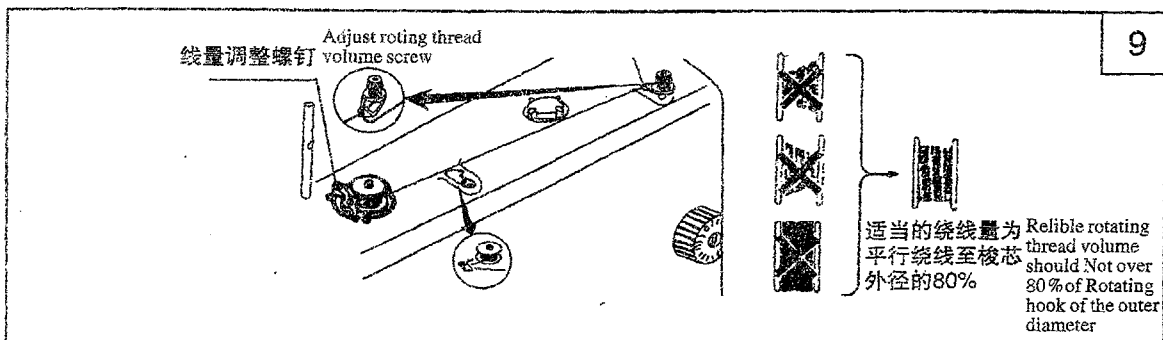
10. 绕线 (图9) ROTATING THREAD

绕线张力：绕尼龙或涤纶线时，绕线张力需小一些。

单边绕线：过线架往绕线最少的方向移动。

绕线量：当梭芯绕线过量时，旋松调整螺钉。当梭芯绕线不足时，旋紧调整螺钉。

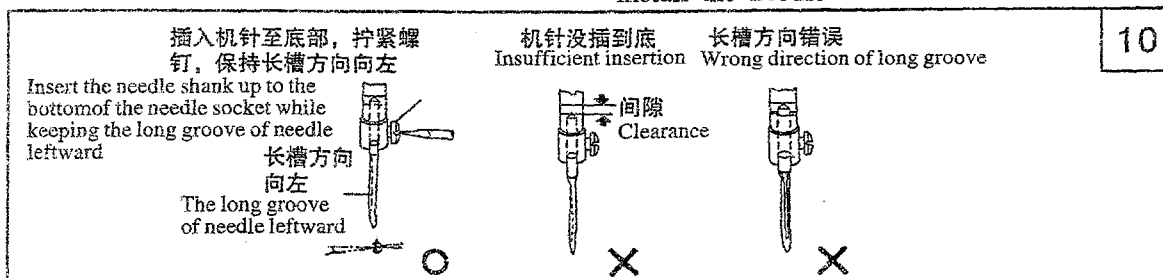
Amount for more thread on bobbin, sewing latch (2) away from you, for less thread on bobbin, sewing latch (2) Tension rotating Nylon and Terylene thread needle less tension of the winding thread.



11. 安装机针 (图10) INSTALLING THE NEEDLE (FIG 10)

注意：安排机针之前，务必关闭电源。

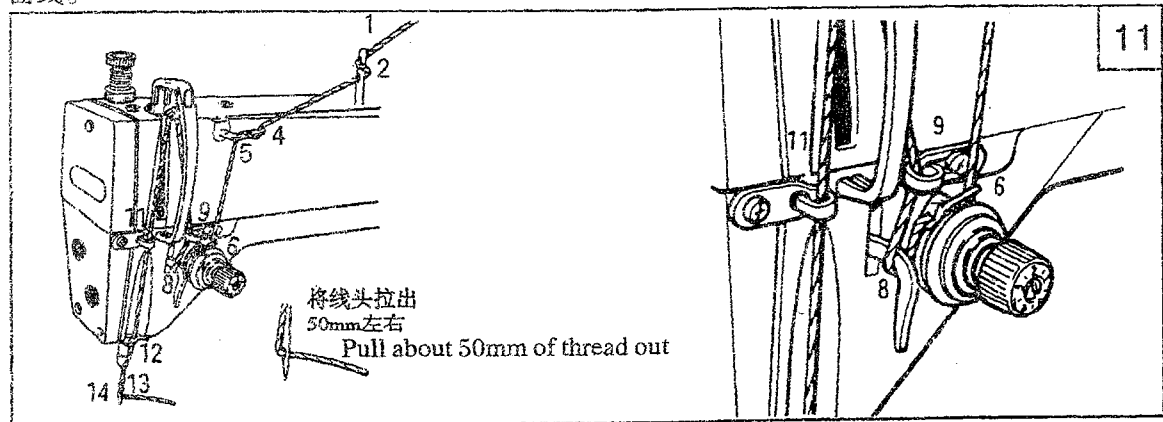
Caution: please turn off the power when you install the needle



12. 穿面线 (图11) RIDING THE NEED THREAD

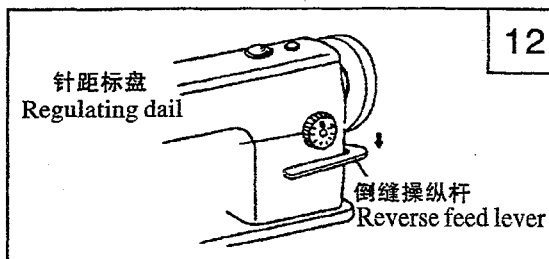
将挑线线杆放到最高位，然后如图11所示穿面线。

Raise the needle bar to its highest position, and then do it like (fig 11)

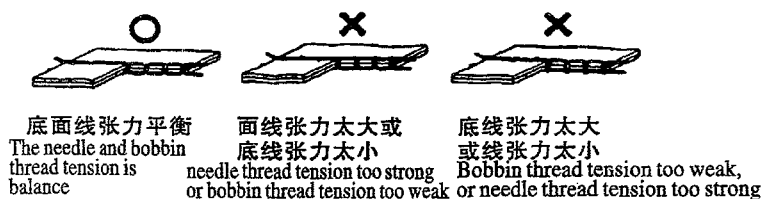


13. 调节针距和倒缝 Adjusting the stitch length and controlling the reverse sewing

- 1) 若调节针距，旋转针距标盘。
- 2) 压下倒缝操纵杆可进行倒缝。
- 1) stitch length can be set by turning stitch length regulating dial
- 2) reverse sewing can be obtained when feed reverse lever is depressed

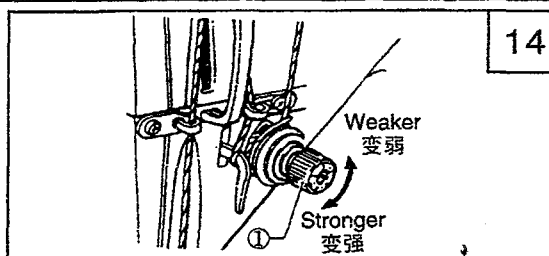


14. 调整线张力 (图13) Adjusting the thread tension



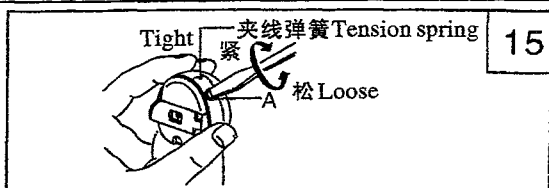
15. 面线张力 (图14) TO ADJUST NEEDLE THREAD TENSION

- 1) 根据底线张力可以调整面线张力。
 - 2) 面线张力的调整通过旋转夹线螺母来实现。对于用特殊线缝制的特殊缝料，可通过调整挑线簧来获得需要的张力。
- We call adjust needle thread tension according to bobbin thread tension We call adjust needle tension by turn tension nut in accordance with sewing working condition we can adjust needle thread tension by tension spring



16. 底线张力 (图15) ADJUST BOBBIN THREAD TENSION

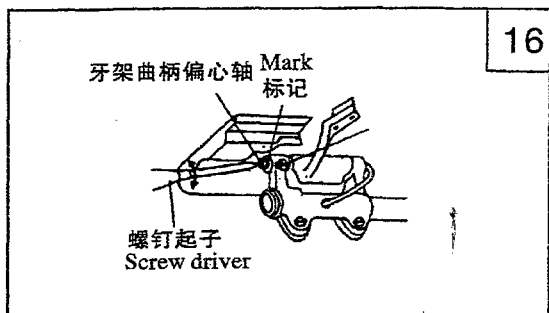
- 底线张力可通过旋转螺钉A来调节。
- We can adjust bobbin thread tension by turn screw "A"



17. 调整送布牙倾角 (图16) ADJUSTING FEED DOG SLOPE

- 送布牙的标准位置应为水平。如果需要，可以根据缝料按照以下方法调整送布牙倾角：
- 1) 旋松螺钉A
 - 2) 用螺钉起子左右旋转牙架曲柄偏心轴
 - 3) 调整结束，旋紧螺钉A

- The standard position of feed dog is horizontally
When sewing condition requires tilting adjust like this
- 1) Loose the screw A
 - 2) Press against the slot of eccentric shaft with a screwdriver to turn eccentric shaft left and right
 - 3) Tighten the screw A

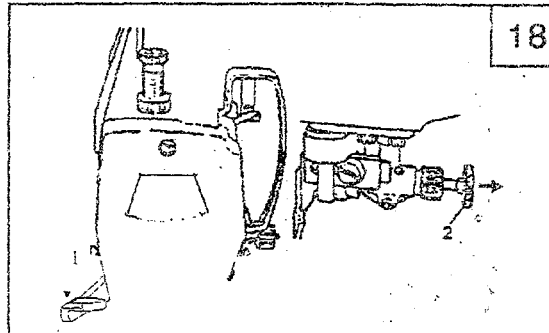
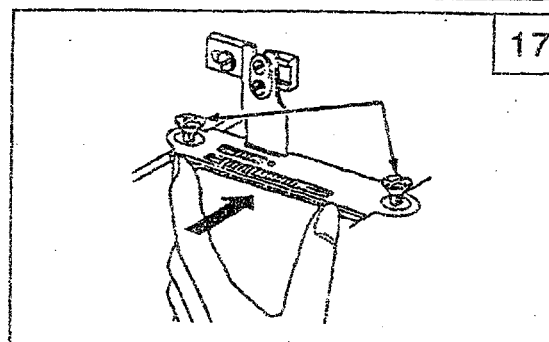


18. 针板组件的安装 (图17) Fixing the throat plate7)

安装针板组件时，一定要把切刀移动到最下端，让针板组件轻轻地顶到切刀，然后交替的拧紧两个固定螺钉。

Make sure the edges of the throat plate and trimmer come in contact with each other, tighten the two screws.

牙架曲柄偏心轴上的 标记位置 The station of mark	送布牙 Feed dog
 水平 Level	 标准 Standard
 上 Up	 前端上升 High in the front
 下 Down	 前端下降 Low in the front



19. 切刀的操作与安装 (图18.19) OPERATING AND FIXING OF TRIMMER

切刀的操作

- 1) 让切刀动作时，请按压控刀杆1，使切刀下降，刀架导向架与缝纫机同时驱动。
- 2) 让切刀停止动作，转换为普通缝纫机时，沿箭头方向拉出旋钮2即可。

切刀的安装

- 1) 如图所示安装切刀，切刀下降到最下点时，上下移动切刀，让切刀的A部比针板的上平面低0~0.5毫米。

切断宽度的变更

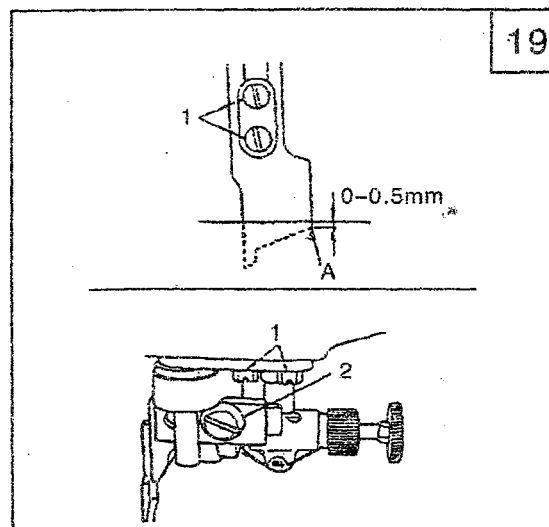
- 1) 切断宽度通过更换针板组件来决定。更换时，请拧松导向架导规固定螺钉1，平行地拉出切刀，以保持良好的切断质量。因变更了针板组件的尺寸，而需要变更切刀位置时，请拧松螺钉2，让切刀刀刃接触到针板组件的刀刃，然后固定螺钉2。
- 2) 标准规格安装的是3.2毫米的针板组件。

Operating the trimmer

- 1) if the knob has been locked, the trimmer starts running
- 2) Pull the knob (as shown on fig 18), the trimmer stops running.

Fixing the trimmer

- 1) Fixing the trimmer as shown on fig 19, only when it has been driven to the lower dead point can par A of the trimmer be adjusted up to the range of 0-0.5 millimeter from the upper surface of the throat plate.



Adjustment of clearance of the trimmer

- 1) Clearance of the trimmer for trimming relies upon the specifications of the throat plate. to adjust parallel degree of the throat plate to be replaced, first loosen screw (see fig 9) and then adjust the trimmer to be the excellent trimming condition of fabrics, loose screw to make the edges of the throat plate and trimmer come in contact with each other secure the screw of the trimmer in place
- 2) Specified standard of the throat vlate is 3.2mm

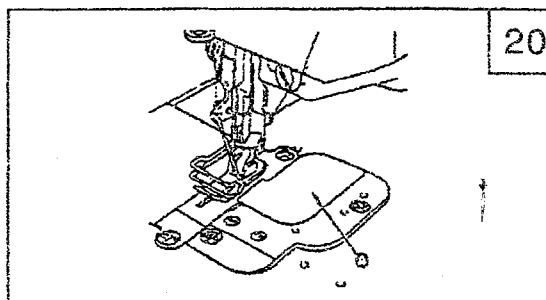
20. 排屑孔板盖板的使用 (图20) USING THE WASTE MATERIAL GUIDE

1) 不使用布切刀时, 请先将排屑导板拆下, 然后把附属的排屑孔盖板盖到排屑斗板上, 请从A部上方按下。

2) 排屑孔板盖板牢固的盖好后, 就可作为普通机器使用。

1) When not using the cutting knife, place the cover onto the opening A of the chip funnel

2) After putting on the cover, the machine can sew only



21. 其它零件的更换 CHANGING OTHER PARTS

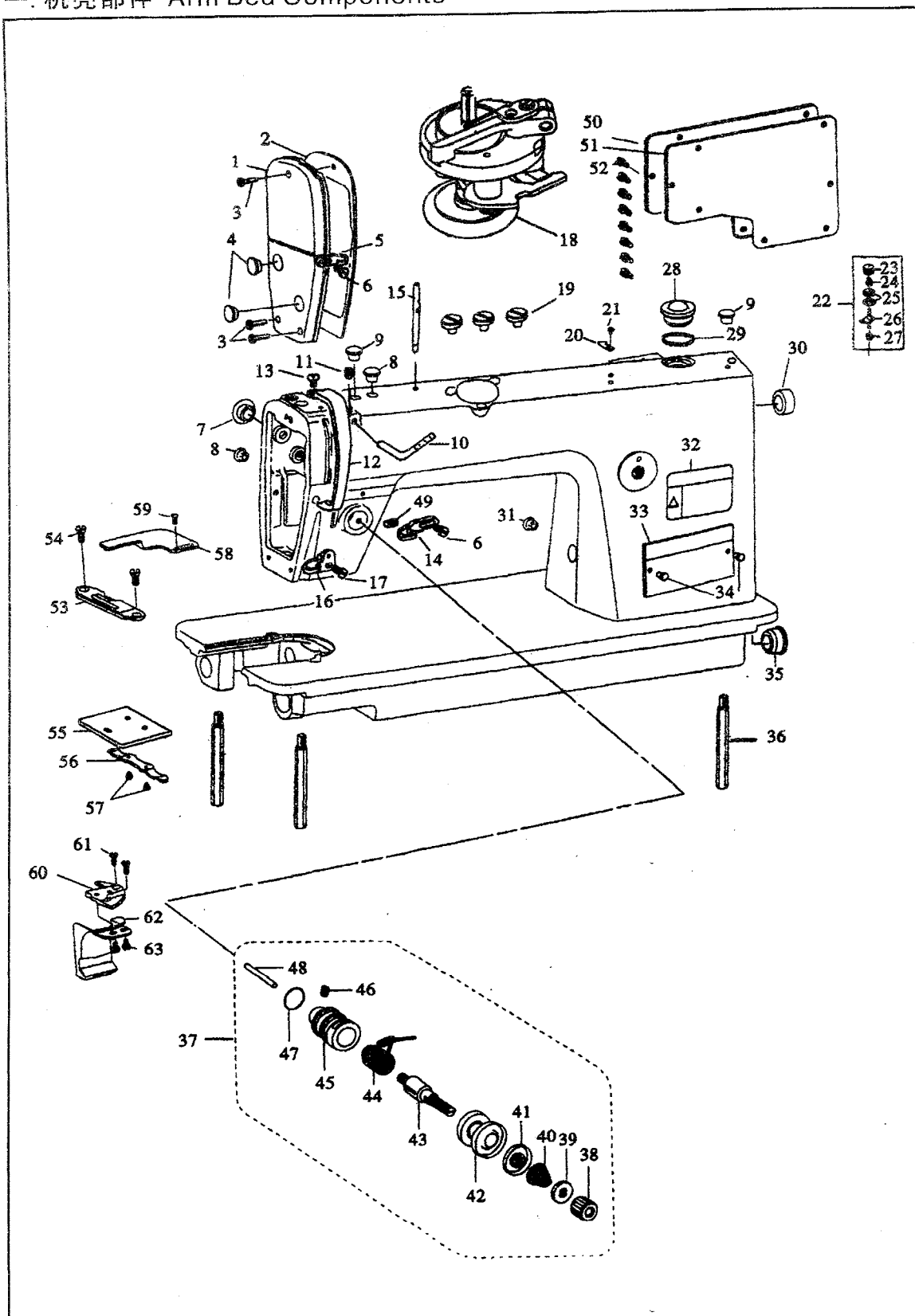
本机配备的标准裁断宽度是1/8"(3.2mm)。根据用户需求, 我们还另外配备了其它的规格, 如需更换, 请参阅相关零件更换一览表。

Specified standard of the throat plate is 1/8" (3.2mm). If you want to change some parts, please read this list

图号	名称	针板部件	送布牙	压脚	排屑斗	布屑导板
	裁宽					
3/32"(2.4)	3/32"	3/32"	1/8"	1/8"	1/8"	
1/8"(3.2)	1/8"	1/8"				
5/32"(4.0)	5/32"					
3/16"(4.8)	3/16"					
1/4"(6.4)	1/4"	1/4"	1/4"	1/4"	1/4"	
3/8"(9.5)	3/8"	3/8"	3/8"	3/8"	3/8"	

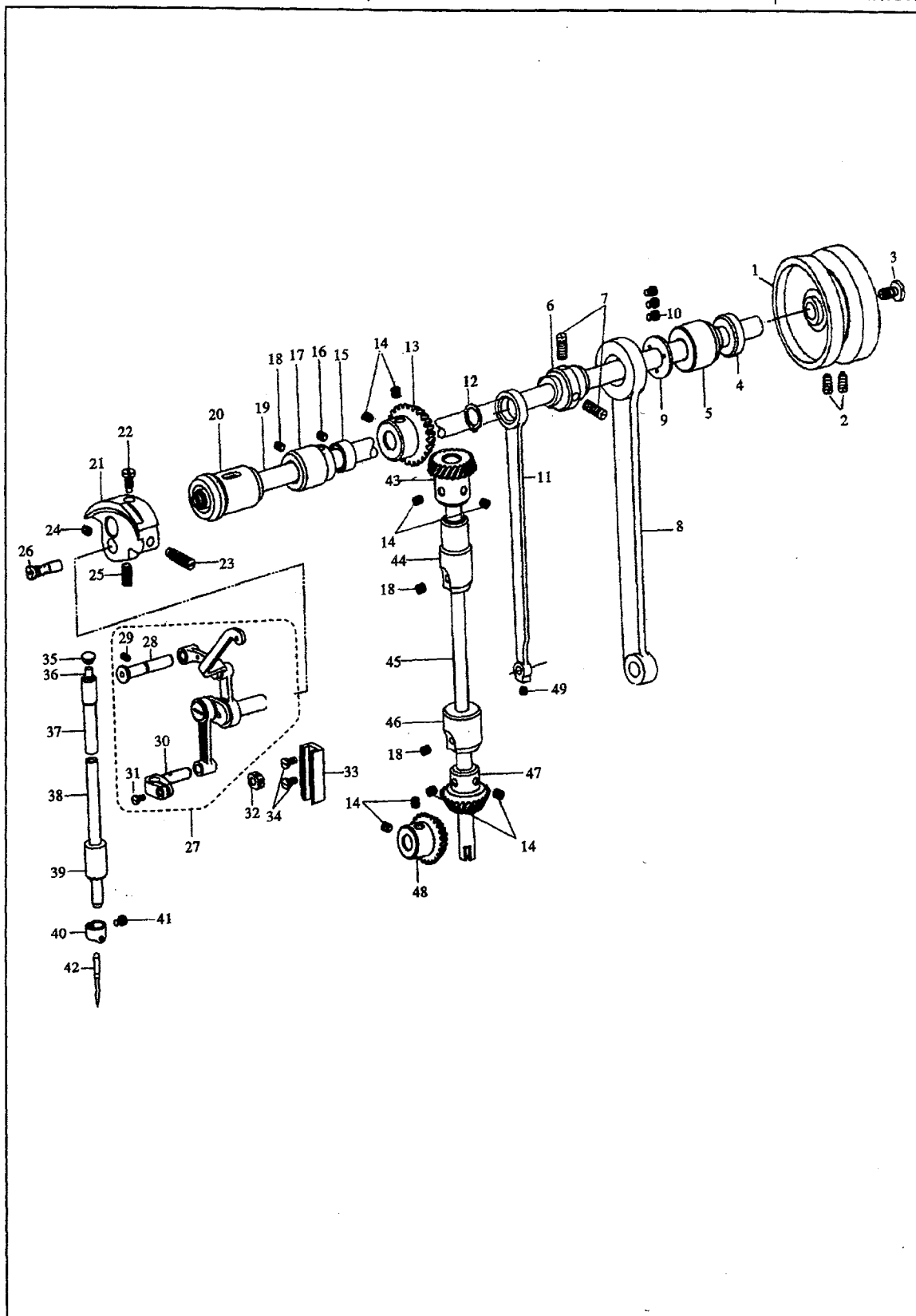
	Throat plate	Feed dog	Presser foot		
3/32"(2.4)	3/32"	3/32"	1/8"	1/8"	1/8"
1/8"(3.2)	1/8"	1/8"			
5/32"(4.0)	5/32"				
3/16"(4.8)	3/16"	1/8"	1/8"	1/8"	
1/4"(6.4)	1/4"	1/4"	1/4"	1/4"	
3/8"(9.5)	3/8"	3/8"	3/8"	3/8"	

一. 机壳部件 Arm Bed Components



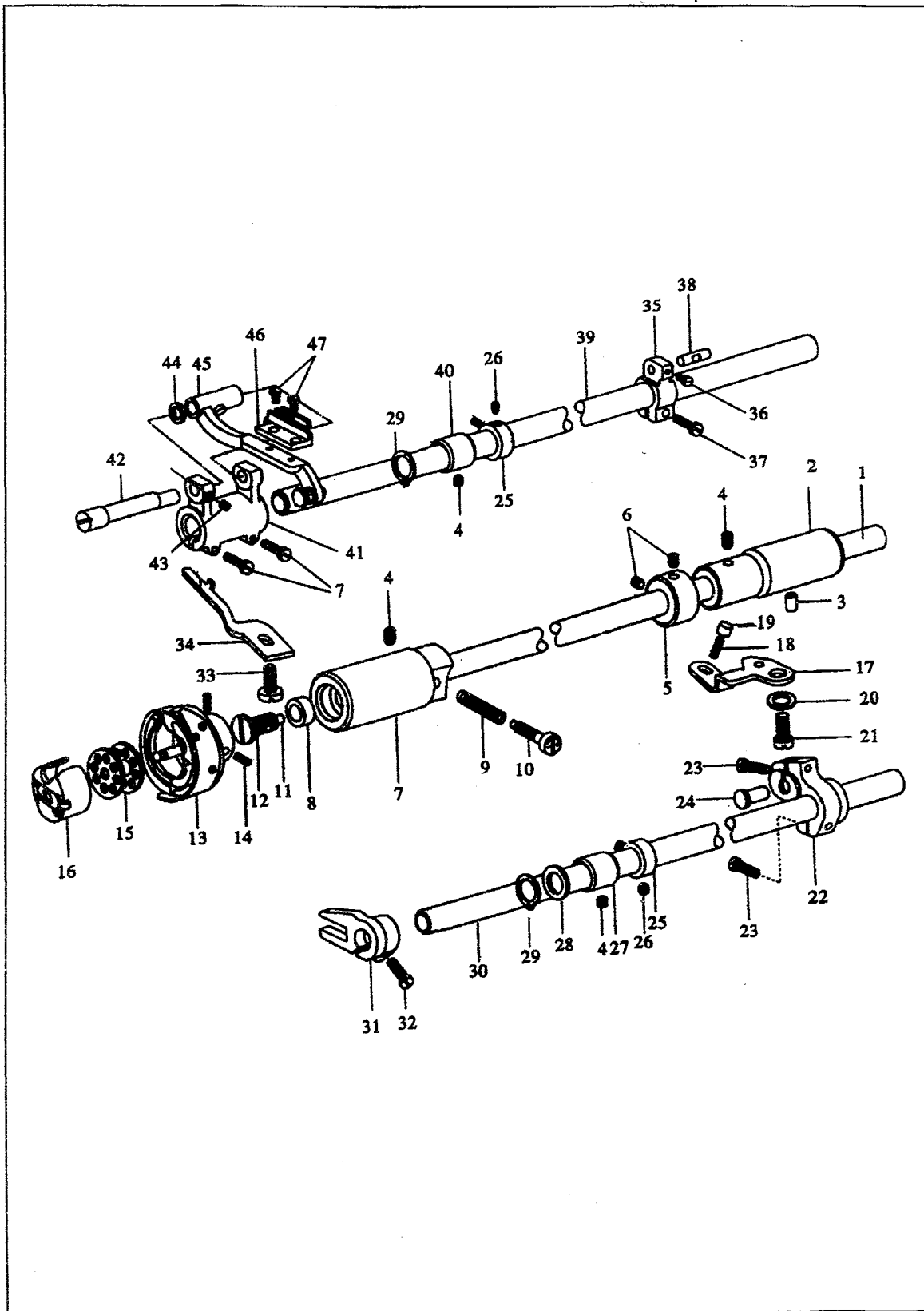
序号 No.	图号 Part number	名称 Name	数量 Qt.	备注 Remark
1	20-01-001	面板Face plate	1	
2	20-01-002	面板垫Gasket	1	
3	20-01-003	面板螺钉Screw	3	
4	20-01-004	面板橡皮塞Rubber plug	2	
5	20-01-005	面板线勾Thread guid on plate	1	
6	20-01-006	线钩螺钉Screw	2	
7	20-01-007	针杆曲柄螺孔塞hole plug	1	
8	20-01-008	膝控提升杠杆(左)螺孔塞hole plug	2	
9	20-01-009	上轴油孔塞Rubber plug	2	
10	20-01-010	三眼线钩Thread-hole guid	1	
11	20-01-011	三眼线钩螺钉Screw	1	
12	20-01-012	挑线杆防护罩Thread take-up lever cover	1	
13	20-01-013	挑线杆防护罩螺钉Screw	1	
14	20-01-014	右线钩Frame thread guid right	1	
15	20-01-015	过线柱Needle thread guid pin		
16	20-01-016	下线钩Frame thread guid lower	1	
17	20-01-017	下线钩螺钉Screw	1	
18	20-01-018	绕线器Bobbin winder base components	1	
19	20-01-019	绕线器安装螺钉Screw	3	
20	20-01-020	切线刀Knife	1	
21	20-01-021	塑料夹线螺母Nuts	1	
22	20-01-022	中过线板组件Middle thread guid plate asm.	1	
23	20-01-023	夹线螺母Thread tension nut	1	
24	20-01-024	夹线簧Thread tension spring	1	
25	20-01-025	小夹线板Disc for pre-tension	1	
26	20-01-026	切线刀螺钉Screw	1	
27	20-01-027	绕线夹线器垫圈Thread tension asm.	1	
28	20-01-028	油窗Oil sight window	1	
29	20-01-029	针距调节器孔塞Rubber plug	1	
30	20-01-030	竖轴下套右孔塞Rubber plug	1	
31	20-01-031	橡皮塞Rubber plug	1	
32	20-01-032	警示牌Warning plate	1	
33	20-01-033	型号牌Model plate	2	
34	20-01-034	铆钉Screw	1	
35	20-01-035	下轴盲孔塞Rubber plug	3	
36	20-01-036	底板撑杆Arm bed assy	1	
37	20-01-037	夹线器组件Thread tension asm.	1	
38	20-01-038	夹线螺母Thread tension nut	1	
39	20-01-039	夹线螺母止动板Tread disc rotation stopper	1	
40	20-01-040	夹线弹簧Thread tension spring	1	
41	20-01-041	松线板Tension release disc	2	
42	20-01-042	夹线板Thread tension disc	1	
43	20-01-043	夹线螺钉Screw	1	
44	20-01-044	挑线簧Take-up spring	1	
45	20-01-045	夹线调节座Thread tension post socket	1	
46	20-01-046	夹线调节座螺钉Screw	1	
47	20-01-047	O型圈O ring	1	
48	20-01-048	松线钉Tension release pin	1	
49	20-01-049	夹线器固定螺钉Screw	1	
50	20-01-050	后盖板Side plate	1	
51	20-01-051	后盖板垫Gasket	8	
52	20-01-052	后盖板螺钉组件Screw asm.	1	
53	20-01-053	针板Threat plate	2	
54	20-01-054	针板螺钉Screw	1	
55	20-01-055	推板Slide plate	1	
56	20-01-056	推板簧Slide plate spring	2	
57	20-01-057	推板簧螺钉Screw	1	
58	20-01-058	布屑导板Chip funnelcover	2	
59	20-01-059	布屑导板螺钉Screw	1	
60	20-01-060	排屑斗板Chip funnel plate	1	
61	20-01-061	排屑斗板螺钉Screw	1	
62	20-01-062	排屑斗Chip funnel	2	
63	20-01-063	排屑斗螺钉Screw	2	

二. 上轴针杆挑线部件 Arm Shaft, Vertical Shaft And Thread Take-up Mechanism



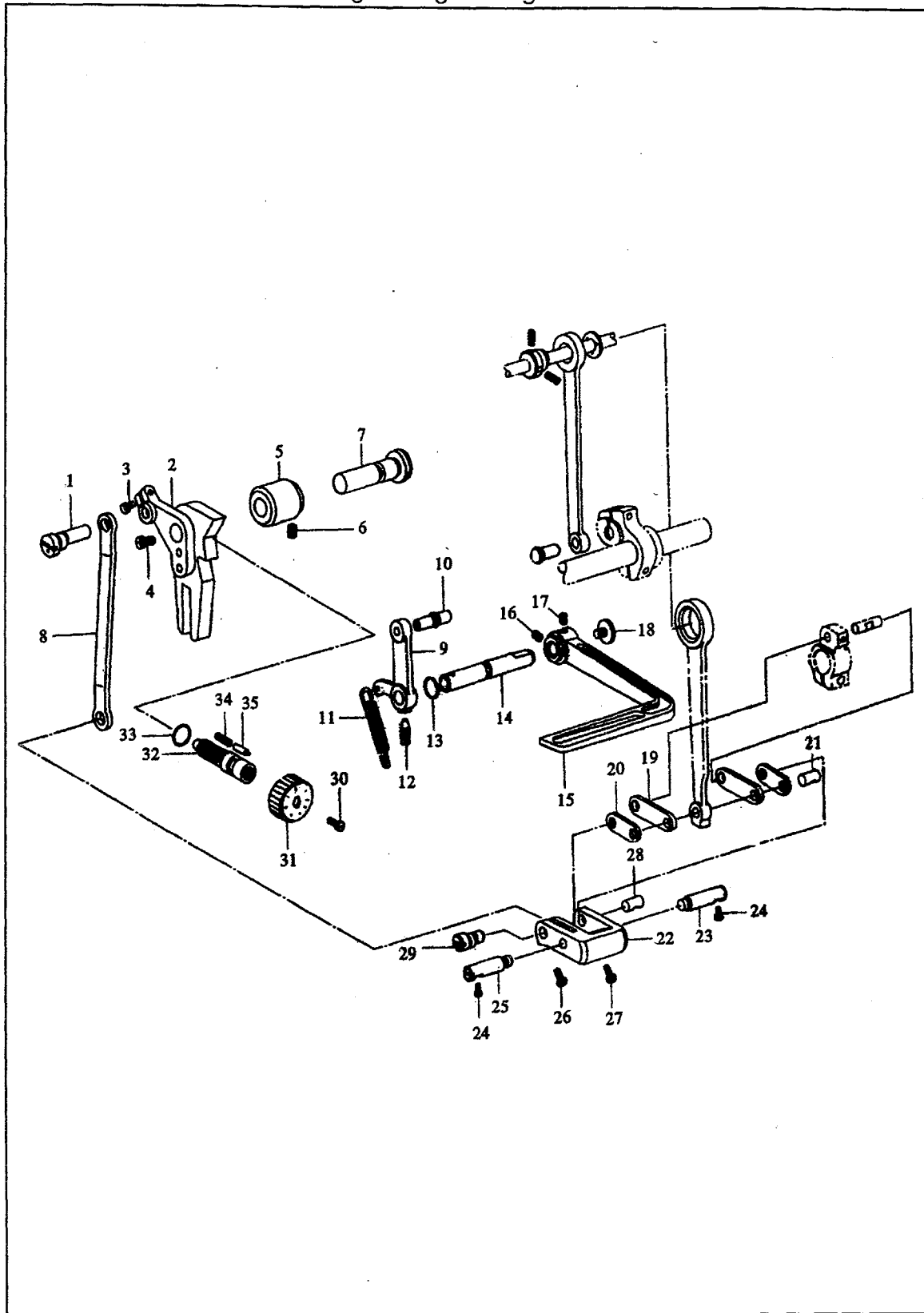
序号 No.	图 号 Part number	名 称 Name	数量 Qt.	备 注 Remark
1	20-02-001	主动轮Balance wheel	1	
2	20-02-002	主动轮螺钉Set screw	1	
3	20-02-003	上轴轴端螺钉Screw	3	
4	20-02-004	上轴轴套(右)油封Oil seal	2	
5	20-02-005	上轴轴套(右) Arm shaft bushing(right)	1	
6	20-02-006	送料凸轮Feed and feed lifting eccentric	2	
7	20-02-007	送料凸轮螺钉Screw	1	
8	20-02-008	抬牙连杆Connecting rod for feeding	2	
9	20-02-009	送料凸轮挡片Washer	2	
10	20-02-010	送料凸轮挡片螺钉Screw	1	
11	20-02-011	送料连杆Connecting rod for feed lifting	1	
12	20-02-012	送料凸轮挡圈Retaining ring	1	
13	20-02-013	上轴伞齿轮Bevel gear for arm shaft	1	
14	20-02-014	伞齿轮螺钉Screw	1	
15	20-02-015	上轴紧圈Collar for arm shaft		
16	20-02-016	上轴紧圈螺钉Screw	1	
17	20-02-017	上轴轴套(中) Arm shaft bushing(middle)	1	
18	20-02-018	上轴轴套(中)螺钉Screw	1	
19	20-02-019	上轴Arm shaft	3	
20	20-02-020	上轴轴套(左) Arm shaft bushing(left)	1	
21	20-02-021	针杆曲柄Crank	1	
22	20-02-022	针杆曲柄定位螺钉Screw	1	
23	20-02-023	针杆曲柄螺钉Screw	1	
24	20-02-024	挑线曲柄螺钉Screw	1	
25	20-02-025	挑线曲柄螺钉Screw	1	
26	20-02-026	曲柄油量调节销Oil amount adjusting pin	1	
27	20-02-027	针杆连杆挑线杆大组件Thread take-up asm	1	
28	20-02-028	挑线杆铰链轴Hinge pin	1	
29	20-02-029	挑线杆铰链轴螺钉Screw	1	
30	20-02-030	针杆接头Needle bar link	1	
31	20-02-031	针杆接头螺钉Screw	1	
32	20-02-032	针杆接头滑块Need bar guide slide block	1	
33	20-02-033	针杆接头滑块导轨Guide for slide block	2	
34	20-02-034	滑块导轨螺钉Screw	1	
35	20-02-035	针杆上轴套橡皮塞Rubber plug	3	
36	20-02-036	针杆轴套(上)毛毡Felt plug	1	
37	20-02-037	针杆轴套(上) Needle bar bushing(upper)	1	
38	20-02-038	针杆Needle bar	1	
39	20-02-039	针杆轴套(下) Needle bar bushing(lower)	1	
40	20-02-040	针杆过线环bushing	1	
41	20-02-041	夹针螺钉Screw	2	
42	20-02-042	机针Needle	1	
43	20-02-043	竖轴伞齿轮(上) Bevel gear	1	
44	20-02-044	竖轴轴套(上) Vertical shaft bushing	1	
45	20-02-045	竖轴Vertical shaft	1	
46	20-02-046	竖轴轴套(下)Vertical shaft bushing	1	
47	20-02-047	竖轴伞齿轮(下) Bevel gear	1	
48	20-02-048	下轴伞齿轮bevel gear assy	1	
49	20-02-049	曲柄连杆螺钉Screw	1	

三. 抬牙送料部件 Needle Bar And Thread Tension Components



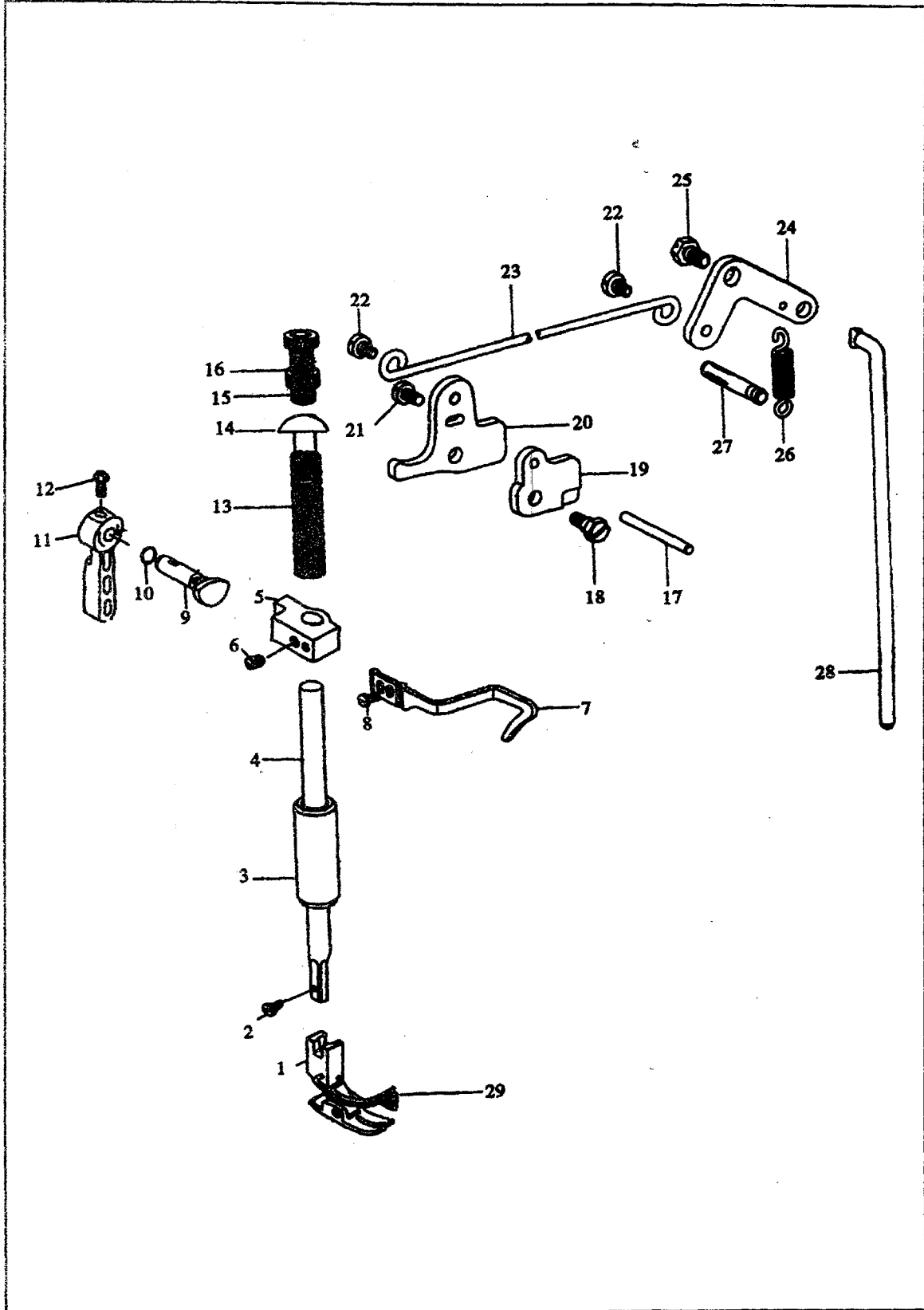
序号 No.	图 号 Part number	名 称 Name	数量 Qt.	备 注 Remark
1	20-03-001	下轴 Hook shaft	1	
2	20-03-002	下轴轴套 (右) bushing	1	
3	20-03-003	下轴轴套(右) 油管接头 Oil pipe	3	
4	20-03-004	抬牙轴套螺钉 Set screw	2	
5	20-03-005	下轴紧圈 Collar for hook shaft	1	
6	20-03-006	下轴紧圈螺钉 Set screw	2	
7	20-03-007	下轴轴套(左) bushing(left)	1	
8	20-03-008	下轴油封 Oil seal	2	
9	20-03-009	油量调节弹簧 Spring	2	
10	20-03-010	油量调节螺钉 Oil adjusting screw	1	
11	20-03-011	下轴滤油塞 Filter	1	
12	20-03-012	下轴滤油塞螺钉 Filter screw	1	
13	20-03-013	旋梭组件 Rotating hook complete	1	
14	20-03-014	旋梭螺钉 Screw	1	
15	20-03-015	梭芯 Bobbin		
16	20-03-016	梭芯套组件 Bobbin case	1	
17	20-03-017	柱塞挡板 Guide plate	1	
18	20-03-018	柱塞弹簧 Plunger spring	1	
19	20-03-019	柱塞 Plunger	3	
20	20-03-020	挡板螺钉弹簧垫片 Washer	1	
21	20-03-021	挡板螺钉 Screw	1	
22	20-03-022	抬牙轴曲柄 (右) crank(right)	1	
23	20-03-023	抬牙轴曲柄 (右) 螺钉 Screw	1	
24	20-03-024	抬牙轴曲柄铰链轴 Hinge shaft	1	
25	20-03-025	抬牙轴紧圈 Collar	1	
26	20-03-026	抬牙轴紧圈螺钉 Screw	1	
27	20-03-027	抬牙轴轴套 Bushing	1	
28	20-03-028	抬牙轴垫片 Washer	1	
29	20-03-029	轴用弹性卡圈 C-type stop ring	1	
30	20-03-030	抬牙轴 shaft	1	
31	20-03-031	抬牙叉 Feed lifting rock crank	1	
32	20-03-032	抬牙叉螺钉 Screw	1	
33	20-03-033	旋梭定位钩螺钉 Screw	2	
34	20-03-034	旋梭定位钩 positioner	1	
35	20-03-035	送布轴曲柄(右) crank(right)	3	
36	20-03-036	曲柄连杆短销螺钉 Set screw	1	
37	20-03-037	送布轴曲柄(右)螺钉 Screw	1	
38	20-03-038	曲柄连杆短销 Short pin	1	
39	20-03-039	送料轴 Feed rock shaft	1	
40	20-03-040	送料轴轴套 Bushing	1	
41	20-03-041	牙架曲柄 Crank for feed bar	2	
42	20-03-042	牙架曲柄偏心轴 Eccentric shaft	1	
43	20-03-043	牙架曲柄偏心轴螺钉 Screw	1	
44	20-03-044	牙架垫圈 Washer	1	
45	20-03-045	牙架组件 Feed bar	1	
46	20-03-046	送料牙 Feed dog	1	
47	20-03-047	送料牙螺钉 Screw	1	

四. 针距调节部件 Stitch Length Regulating Mechanism



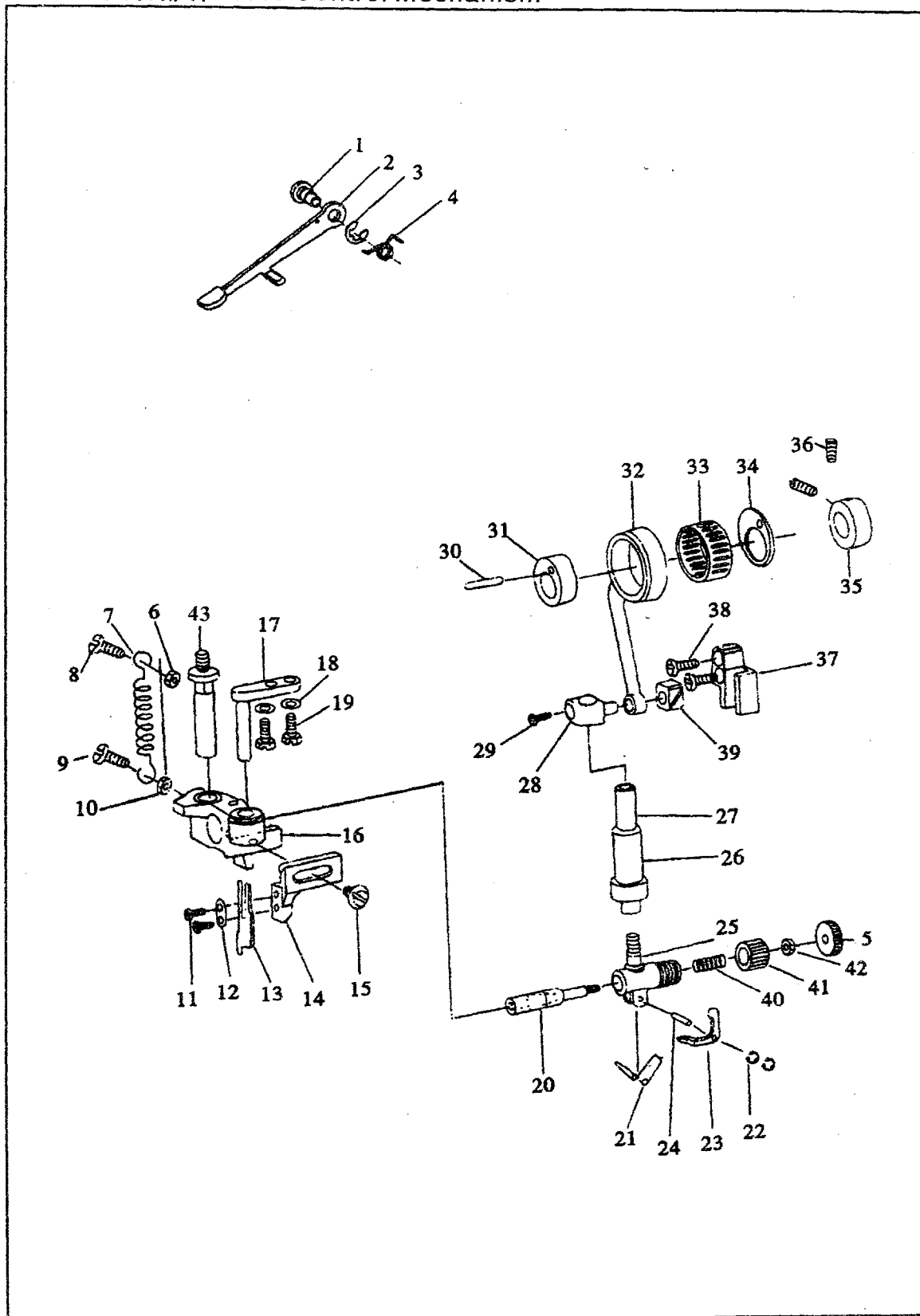
序号 No.	图 号 Part number	名 称 Name	数量 Qt.	备 注 Remark
1	20-04-001	针距调节连杆销钉 Connecting stud	1	
2	20-04-002	针距调节摆杆 Feed regulator	1	
3	20-04-003	连杆销钉夹紧螺钉 Screw	1	
4	20-04-004	针距调节摆杆螺钉 Screw	1	
5	20-04-005	针距调节摆杆轴套 bushing	1	
6	20-04-006	针距调节摆杆轴套螺钉 screw	1	
7	20-04-007	针距调节摆杆铰链轴 Hinge pin	1	
8	20-04-008	针距连杆 Feed regulator rod	1	
9	20-04-009	倒缝操纵杆曲柄 Crank	1	
10	20-04-010	倒缝操纵杆滚柱组件 stud	1	
11	20-04-011	倒缝操纵杆曲柄拉簧 Spring	1	
12	20-04-012	倒缝操纵杆曲柄螺钉 Screw	1	
13	20-04-013	倒缝操纵杆短轴O型圈 O ring	1	
14	20-04-014	倒缝操纵杆短轴 Short shaft	1	
15	20-04-015	倒缝操纵杆Reverse stitching lever	1	
16	20-04-016	倒缝操纵杆支头螺钉 Screw	1	
17	20-04-017	倒缝操纵杆定位螺钉 Screw	1	
18	20-04-018	倒缝操纵杆吊紧螺钉 Screw	1	
19	20-04-019	曲柄长连杆 Feed tock arm link	2	
20	20-04-020	曲柄短连杆 Feed tock link	2	
21	20-04-021	曲柄连杆短销 Pin	1	
22	20-04-022	针距调节曲柄 Level regulator	1	
23	20-04-023	针距调节曲柄定位销(右) pin(R)	1	
24	20-04-024	定位销螺钉 Screw	2	
25	20-04-025	针距调节曲柄定位销(左) pin(L)	1	
26	20-04-026	连杆轴螺钉 Screw	1	
27	20-04-027	曲柄连杆螺钉 Screw	1	
28	20-04-028	曲柄短连杆销 Feed link stud	1	
29	20-04-029	连杆偏心轴 shaft	1	
30	20-04-030	标盘螺钉 Screw	1	
31	20-04-031	针距标盘 Stitch length dial	1	
32	20-04-032	针距调节螺杆 Adjust screw	1	
33	20-04-033	针距调节螺杆O型圈 O ring	1	
34	20-04-034	止动销弹簧 Spring	1	
35	20-04-035	止动销 Positioning pin	1	

五. 压脚部件 Presser Foot Parts



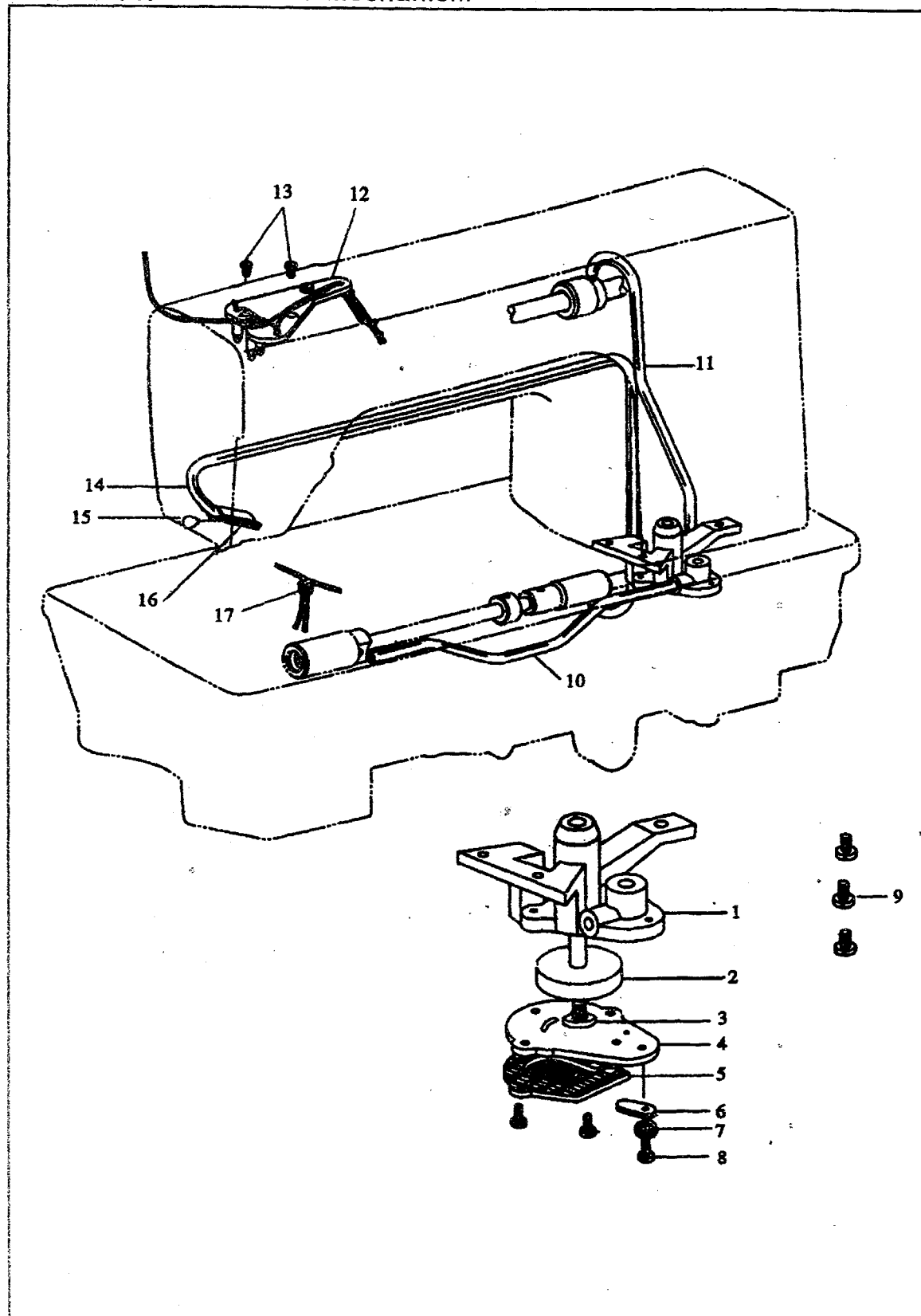
序号 No.	图 号 Part number	名 称 Name	数量 Qt.	备 注 Remark
1	20-05-001	压脚组件 Presser foot assy	1	
2	20-05-002	压脚螺钉 Screw	1	
3	20-05-003	压紧杆轴套 Presser bar bush	1	
4	20-05-004	压紧杆 Presser bar	1	
5	20-05-005	压紧杆导架 guide bracket	1	
6	20-05-006	压紧杆导架螺钉 Screw	1	
7	20-05-007	大线钩 Thread guide	1	
8	20-05-008	大线钩螺钉 Screw	1	
9	20-05-009	压脚提升凸轮 lifter crank	1	
10	20-05-010	压脚提升凸轮O型圈 O ring	1	
11	20-05-011	压脚扳手 Presser bar lifter	1	
12	20-05-012	压脚扳手螺钉 Screw	1	
13	20-05-013	压紧杆弹簧 Spring	1	
14	20-05-014	压紧杆弹簧导柱 Spring guide	1	
15	20-05-015	调压螺钉 Adjust screw	1	
16	20-05-016	调压螺钉锁紧螺母 Nut	1	
17	20-05-017	松线杆 Tension release bar	1	
18	20-05-018	松线凸轮螺钉 Screw	1	
19	20-05-019	松线凸轮 Tension releasing cam	1	
20	20-05-020	膝控提升杠杆(左) lifter(L)	1	
21	20-05-021	膝控提升杠杆(左)螺钉 Screw	1	
22	20-05-022	铰链轴螺钉 Screw	2	
23	20-05-023	膝控提升拉杆 connecting rod	1	
24	20-05-024	膝控提升杠杆(右) lifter(R)	1	
25	20-05-025	膝控提升杠杆(右)螺钉 Screw	1	
26	20-05-026	膝控提升杠杆(右)弹簧 Spring	1	
27	20-05-027	弹簧销 Pin for spring	1	
28	20-05-028	膝控提升连杆 Knee lifter bar	1	

六. 切刀控制部件 Knife Control Mechanism



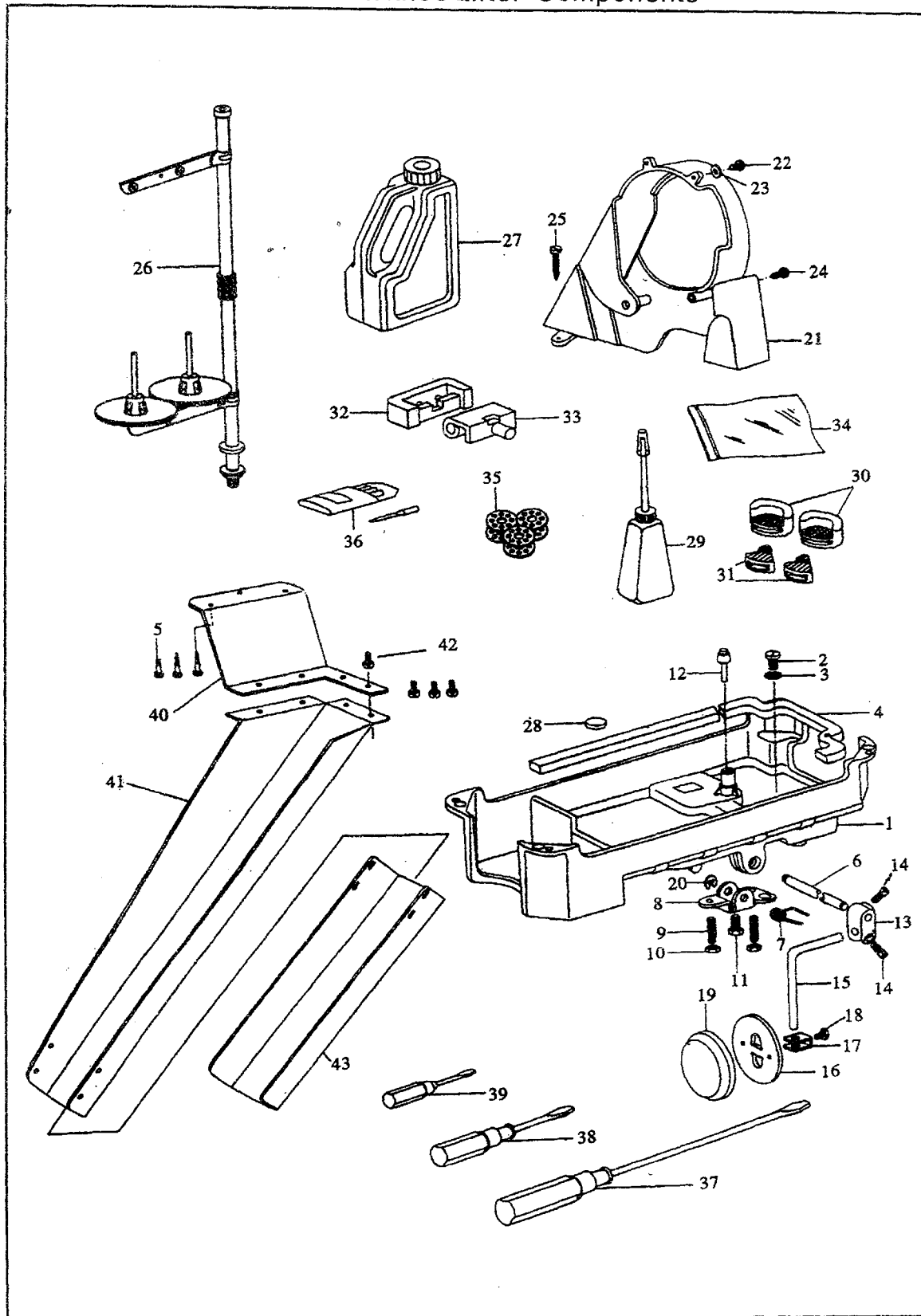
序号 No.	图 号 Part number	名 称 Name	数量 Qt.	备 注 Remark
1	20-06-001	控刀轴位螺钉Screw	1	
2	20-06-002	控刀杆Operating lever for knife	1	
3	20-06-003	E型挡圈E-type ring	1	
4	20-06-004	控刀扳手扭簧Spring	1	
5	20-06-005	控刀拉钮Nut	1	
6	20-06-006	导向架拉簧螺帽(上) Nut(upper)	1	
7	20-06-007	导向架拉簧Spring	1	
8	20-06-008	导向架拉簧螺钉(上) Screw(upper)	1	
9	20-06-009	导向架拉簧螺钉Screw	1	
10	20-06-010	导向架拉簧螺母Nut	1	
11	20-06-011	刀片固定螺钉Set scerw	2	
12	20-06-012	切刀垫片Gasket	1	
13	20-06-013	切刀Cutting knife	1	
14	20-06-014	刀架Knife holder	1	
15	20-06-015	刀架螺钉Screw	1	
16	20-06-016	刀架导向架Guide bracket	1	
17	20-06-017	导向架导轨Guiding block	1	
18	20-06-018	固定螺钉垫圈Washer	2	
19	20-06-019	导向架导轨固定螺钉Set scerw	2	
20	20-06-020	导向架控制销Pin	1	
21	20-06-021	杠杆簧Spring	1	
22	20-06-022	E型挡圈E-type ring	2	
23	20-06-023	切刀控制杠杆Lever for knife	1	
24	20-06-024	杠杆连接销Pin	1	
25	20-06-025	控制销导套Guiding bushing	1	
26	20-06-026	刀杆轴套Bushing for knife bar	1	
27	20-06-027	刀杆Knife bar	1	
28	20-06-028	刀杆接头Knife bar adaptor	1	
29	20-06-029	刀杆接头螺钉Screw	1	
30	20-06-030	连接销Pin	1	
31	20-06-031	刀杆凸轮Eccentric cam	1	
32	20-06-032	刀杆连杆Connecting rod	1	
33	20-06-033	滚针轴承Needle bearing	1	
34	20-06-034	凸轮垫片Thrust plate	1	
35	20-06-035	绕线器主动轮Bobbin wheel	1	
36	20-06-036	绕线器主动轮螺钉Screw	2	
37	20-06-037	刀杆接头滑块导轨Guide rail	1	
38	20-06-038	刀杆接头滑块螺钉Set scerw	1	
39	20-06-039	刀杆接头滑块Slide block	1	
40	20-06-040	刀控弹簧Spring	1	
41	20-06-041	导套盖Cap	1	
42	20-06-042	导柱螺母Nut	1	
43	20-06-043	导向架导柱Guide plunger	1	

七. 润滑部件 Lubrication Mechanism



序号 No.	图 号 Part number	名 称 Name	数量 Qt.	备 注 Remark
1	20-07-001	油泵体 Oil pump body	1	
2	20-07-002	油泵体叶轮 Oil pump propeller	1	
3	20-07-003	叶轮螺钉 Screw	1	
4	20-07-004	油泵体盖板 Oil pump fitting plate	1	
5	20-07-005	油泵滤油网 Oil pump screen assy	1	
6	20-07-006	油量调节板 Oil adjusting plate	1	
7	20-07-007	油量调节板螺钉弹性垫圈 washer	3	
8	20-07-008	油泵体盖板螺钉 Screw	3	
9	20-07-009	油泵体螺钉 Screw	3	
10	20-07-010	下轴油管组件 Oil pipe	1	
11	20-07-011	上轴油管组件 Oil pipe	1	
12	20-07-012	油线固定板大组件 Oil braid	1	
13	20-07-013	油线固定板螺钉 Screw	2	
14	20-07-014	回油管 Oil return pipe	1	
15	20-07-015	回油管毡夹 Pipe holder	1	
16	20-07-016	回油管油毡 Felt pouch	1	
17	20-07-017	油线 Wick	1	

八. 油盘 附件 Oil Reservoir & knee Lifter Components



序号 No.	图 号 Part number	名 称 Name	数量 Qt.	备 注 Remark
1	20-08-001	油盘 Oil reservoir asm.	1	
2	20-08-002	放油螺钉 Oil drain screw	1	
3	20-08-003	放油螺钉垫圈 Oil drain cap gasket	1	
4	20-08-004	油盘垫 Paxking	1	
5	20-08-005	导屑滑板支架木螺钉 Wood screw	1	
6	20-08-006	膝控铰链轴 Knee press rod	1	
7	20-08-007	膝控复位弹簧 spring	1	
8	20-08-008	膝控限位架 Lifting	1	
9	20-08-008	膝控限位调节螺钉 Positioning screw	2	
10	20-08-010	调节螺母 Nut	2	
11	20-08-011	膝控限位架螺钉 Lifting screw	1	
12	20-08-012	膝控提升顶杆 Knee press lifter rod asm	1	
13	20-08-013	碰块弯杆接头 Bearing bracket	1	
14	20-08-014	碰块弯杆接头螺钉 lamp screw	2	
15	20-08-015	膝控碰块弯杆 Knee lifter plate rod	1	
16	20-08-016	膝控碰块 Knee lifter plate	1	
17	20-08-017	碰块架 Knee lifter plate cover joint	1	
18	20-08-018	碰块架螺钉 Screw	1	
19	20-08-018	碰块垫 Knee lifter plate cover	1	
20	20-08-020	开口挡圈 Thrust ring	1	
21	20-08-021	皮带罩组件 Belt cover	1	
22	20-08-022	皮带罩螺钉(小) Screw	2	
23	20-08-023	皮带罩螺钉垫圈 Washre	2	
24	20-08-024	皮带罩螺钉(大) Screw	2	
25	20-08-025	木螺钉 Wood screw	2	
26	20-08-026	线架组件 Duple-thread spool stand asm.	1	
27	20-08-027	油箱 Lubricating unit case asm.	1	
28	20-08-028	磁块 Magnet	1	
29	20-08-028	小油壶 Oiler	1	
30	20-08-030	机头防震垫块(大) Oil reservoir rubber cushion	2	
31	20-08-031	机头防震垫块(小) Oil reservoir felt cushion	2	
32	20-08-032	机头台板连接钩 Rubbre cushion	2	
33	20-08-033	连接钩防震外护套 Heed hinger	2	
34	20-08-034	零件袋 Accessort bag	1	
35	20-08-035	梭芯 Bobbin	4	
36	20-08-036	机针 Needle	1	
37	20-08-037	螺钉起子(大) Screw driver(L)	1	
38	20-08-038	螺钉起子(中) Screw driver(M)	1	
39	20-08-038	螺钉起子(小) Screw driver(S)	1	
40	20-08-040	导屑滑板支架 Waste material chute holder	1	
41	20-08-041	导屑滑板 Waste material chute	1	
42	20-08-042	导屑滑板螺钉 Screw	4	
43	20-08-043	导屑连接滑板 Waste material chute joint	1	