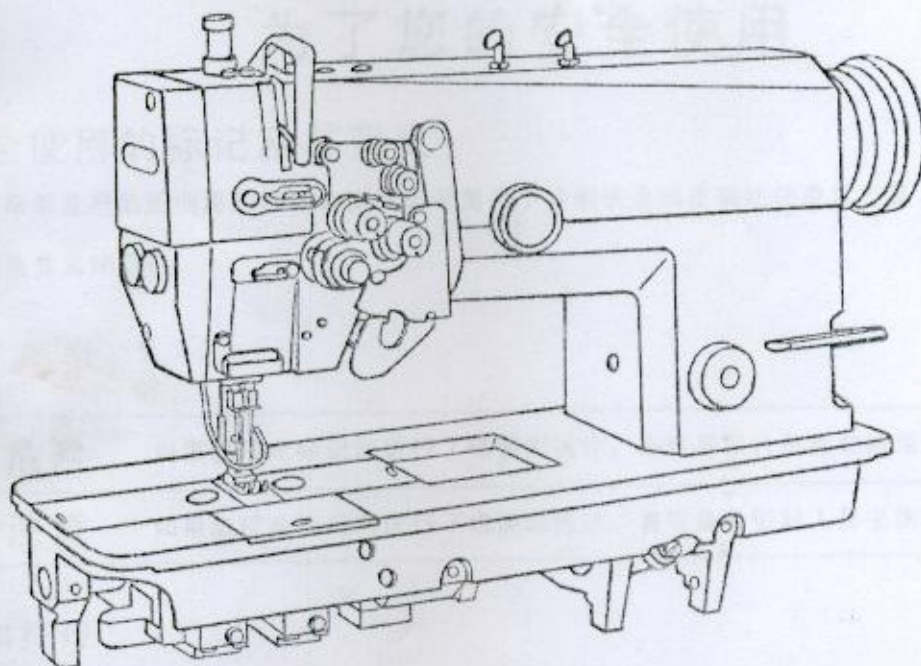


GEMSY
Great at Energy Saving



GEM2000 SERIES HIGH SPEED DOUBLE NEEDLE LOCKSTITCH MACHINE

高速双针平缝机

使用说明书 & 零件样本 Operation Instruction & Parts Book

为了安全地使用，请您在使用之前一定阅读本使用说明书。另外，请您注意保管本使用说明书，以便随时查阅；零件更改设计时，恕不另行通知。

Read safety instructions carefully and understand them before using. Retain this Operation Instruction for future reference. Excuse for not notice in advance while the design of the sparepart has to be changed.

非常感谢您购买本公司的工业缝纫机。在使用缝纫机之前，请仔细阅读<为了您的安全使用>和使用说明书。

工业缝纫机的特性之一，是要在机针和旋梭等运动零部件附近进行操作，而这些零部件很容易引起受伤的危险，所以请在接受过培训的人员或有熟练操作技术的人员的指导下，正确地使用本缝纫机。

为了您的安全使用

1. 安全使用的标记及其意义

本使用说明书及产品所使用的标记和图案记号是为了您的安全而正确地使用本产品，防止您及他人受到危害和损害。

表示方法及含义如下：

说明



危险

如果忽视此标记而进行了错误的操作，必将导致人员死亡或重伤。



注意

如果忽视此标记而进行了错误的操作，有可能会引起人员受伤及造成设备损坏。

图案和符号



符号△表示“应注意事项”。

三角中的图案表示必须要注意的内容。
(如左图的符号表示“注意受伤”。)



符号⊘表示“禁止”。



符号●表示“必须”。

圆圈中的图案表示必须要做的内容。
(如左图的符号表示“必须接地”。)

Thank you very much for buying our sewing machine. Before using your new machine, please read the safety instructions below and the explanations given in the Operation Instruction.

With industrial sewing machines, it is normal to carry out work while positioned directly in front of moving parts such as the needle and thread take-up lever, and consequently there is always a danger of injury that can be caused by these parts. Follow the instructions from training personnel and instructors regarding safe and correct operation before operating the machine so that you will know how to use it correctly.

SAFETY INSTRUCTIONS

1. Safety indications and their meanings

This instruction manual and the indications and symbols that are used on the machine itself are provided in order to ensure safe operation of this machine and to prevent accidents and injury to yourself or other people. The meaning of these indications and symbols are given below.

Indications

	DANGER	The instructions which follow this term indicate situations where failure to follow the instructions will almost certainly result in death or severe injury.
	CAUTION	The instructions which follow this term indicate situations where failure to follow the instructions could cause injury when using the machine or physical damage to equipment and surroundings.

Symbols



..... This symbol () indicates something that you should be careful of. The picture inside the triangle indicates the nature of the caution that must be taken.
(For example, the symbol at left means "beware of injury".)



..... This symbol () indicates something that you must not do.



..... This symbol () indicates something that you must do. The picture inside the circle indicates the nature of the thing that must be done.
(For example, the symbol at left means "you must make the ground connection".)

⚠ 危险



打开控制箱盖时，必须先关闭电源开关并将电源插头从插座上拔下，至少等待5分钟后，再打开控制箱盖。触摸带有高电压的区域将会造成人员伤亡。

⚠ 注意

使用环境

- ❗ 应避免在强电气干扰源(如高频焊机)的附近使用缝纫机。
强电气干扰源可能会影响缝纫机的正确操作。
- ❗ 缝纫机的最佳工作环境是相对湿度在45%-85%的范围内，干燥或潮湿的环境均会影响缝纫机的正确操作。
- ❗ 电源电压的波动应该在额定电压的±10%以内的环境下使用。
电压大幅度的波动会影响缝纫机的正确操作。
- ❗ 使用时应避免暴露于直射的阳光下。
直射的阳光会影响缝纫机的正确操作。
- ❗ 电源容量应大于缝纫机的消耗能量。电源容量不足会影响缝纫机的正确操作。
- ❗ 万一发生雷电暴风雨时，关闭电源开关，并将电源插头从插座上拔下。雷电可能会影响缝纫机的正确操作。
- ❗ 环境温度应在5℃-35℃的范围内使用。
低温或高温会影响缝纫机的正确操作。

安装

- ⊘ 请让受过培训的技术人员来安装缝纫机。
- ❗ 固定电缆时，不要过度弯曲电缆或用卡钉固定得过紧，会引起火灾或触电的危险。
- ❗ 请委托购买商店或电气专业人员进行电气配线。
- ❗ 如果使用带小脚轮的工作台，则应该固定小脚轮，使其不能移动。
- ❗ 缝纫机重约40公斤，安装工作必须由两人以上来完成。
- ⚠ 缝纫机头倒下或竖起时，请用双手进行操作。单手操作时因缝纫机的重量万一滑落易导致受伤。
- ⊘ 在安装完成前，请不要连接电源，如果误按启动开关，缝纫机动作会导致受伤。
- ⊘ 使用润滑油或黄油时，务必戴好保护眼镜和保护手套等，以防润滑油落入眼中或沾在皮肤上，这是引起发炎的原因。
另外，润滑油或黄油不能饮用，否则会引起呕吐和腹泻。
将油放在小孩拿不到的地方。
- ❗ 请在切断电源后，再拔掉电源插头。不然易成为控制箱发生故障的原因。
- ⚡ 必须接地。接地线不牢固，是造成触电或误动作的原因。

⚠ 注意

缝纫



本缝纫机仅限于接受过安全操作培训的人员使用。



为了安全起见，在使用本缝纫机之前，请安装保护装置。如果未安装这些安全装置就使用缝纫机，会造成人身伤害及缝纫机损坏。



本缝纫机不能用于除缝纫以外的任何其他用途。



缝纫过程中不要触摸任何活动部件或将物件靠在运动部件上，因为这会导致受伤或缝纫机损坏。



发生下列情况时，请切断电源。否则误按动启动开关，缝纫机动作会导致受伤。

- 机针穿线时
- 更换机针或梭芯时
- 缝纫机不使用，或人离开缝纫机时



如果缝纫机操作中发生误动作，或者听到异常的噪声或闻到异常的气味，应立即切断电源。然后与购买商店或受过培训的技术人员联系。



如果使用带小脚轮的工作台，则应该固定小脚轮，使其不能移动。



如果缝纫机出现故障时，请与购买商店或受过培训的技术人员联系。

清洁



在开始清洁作业前，请切断电源。如果误踩了脚开关，缝纫机动作会导致人员受伤。



使用润滑油或黄油时，务必戴好保护眼镜和保护手套等，以防润滑油落入眼中或沾在皮肤上，这是引起发炎的原因，另外，润滑油或黄油不能饮用，否则会引起呕吐和腹泻。将油放在小孩拿不到的地方。

⚠ DANGER



Wait at least 5 minutes after turning off the power switch and disconnecting the power cord from the wall outlet before opening the face plate of the control box. Touching areas where high voltages are present can result in severe injury.

⚠ CAUTION

Environmental requirements



Use the sewing machine in an area which is free from sources of strong electrical noise such as high-frequency welders. Sources of strong electrical noise may cause problems with correct operation.



Any fluctuations in the power supply voltages should be within $\pm 10\%$ of the rated voltage for the machine. Voltage fluctuations which are greater than this may cause problems with correct operation.



The power supply capacity should be greater than the requirements for the sewing machine's electrical consumption. Insufficient power supply capacity may cause problems with correct operation.



The ambient temperature should be within the range of 5°C to 35°C during use. Temperatures which are lower or higher than this may cause problems with correct operation.



The relative humidity should be within the range of 45% to 85% during use, and no dew formation should occur in any devices. Excessively dry or humid environments and dew formation may cause problems with correct operation.



Avoid exposure to direct sunlight during use. Exposure to direct sunlight may cause problems with correct operation.



In the event of an electrical storm, turn off the power and disconnect the power cord from the wall outlet. Lightning may cause problems with correct operation.

Installation



Machine installation should only be carried out by a qualified technician.



Contact your dealer or a qualified electrician for any electrical work that may need to be done.



The sewing machine weighs approximately 40kg. The installation should be carried out by two or more people.



Don't connect the power cord until installation is complete, otherwise the machine may operate if the foot switch is depressed by mistake, which could result in injury.



Be sure to connect the ground. If the ground connection is not secure, you run a high risk of receiving a serious electric shock, and problems with correct operation may also occur.



Install the safety covers to the machine head and motor.



Hold the machine head with both hands when tilting it back or returning it to its original position. Furthermore, after tilting back the machine head, do not push the face plate side or the pulley side from above, as this could cause the machine head to topple over, which may result in personal injury or damage to the machine.



All cords should be secured at least 25mm away from any moving parts. Furthermore, do not excessively bend the cords or secure them too firmly with staples, otherwise there is the danger that fire or electric shocks could occur.



If using a work table which has casters, the casters should be secured in such a way so that they cannot move.

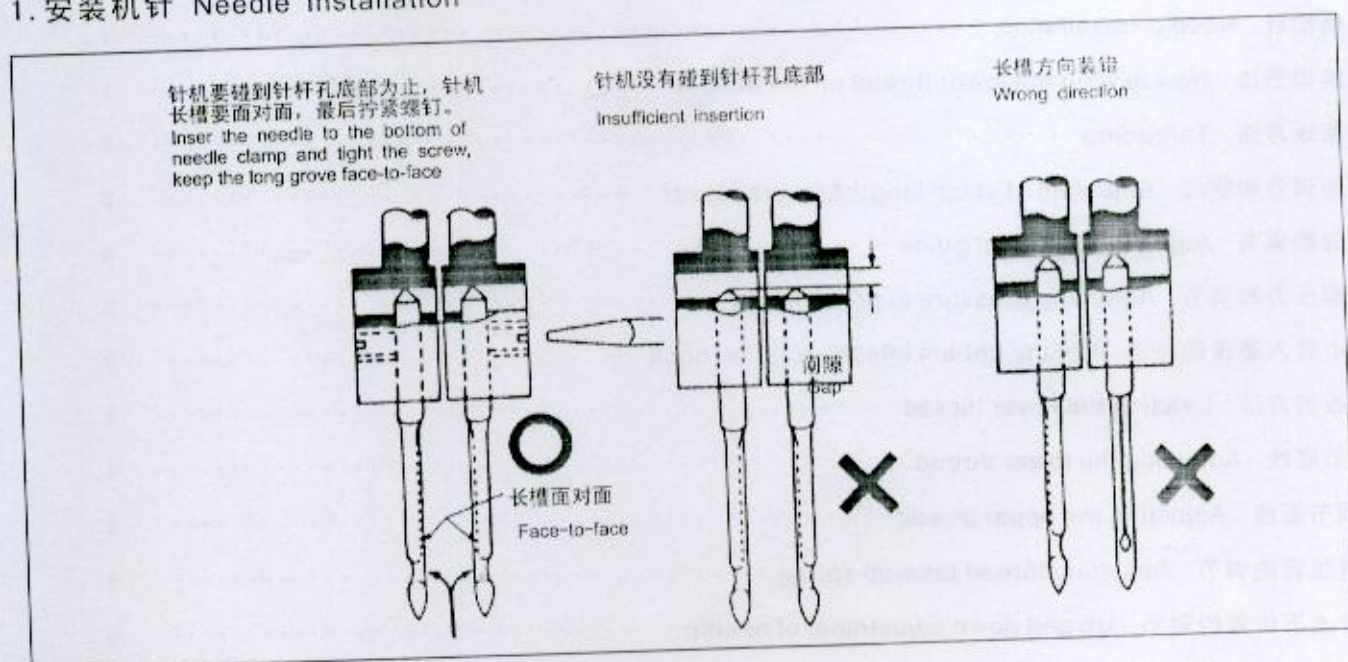


Be sure to wear protective goggles and gloves when handling the lubricating oil and grease, so that they don't get into your eyes or onto your skin, otherwise inflammation can result. Furthermore, do not drink the oil or eat the grease under any circumstances, as they can cause vomiting and diarrhoea. Keep the oil out of the reach children.

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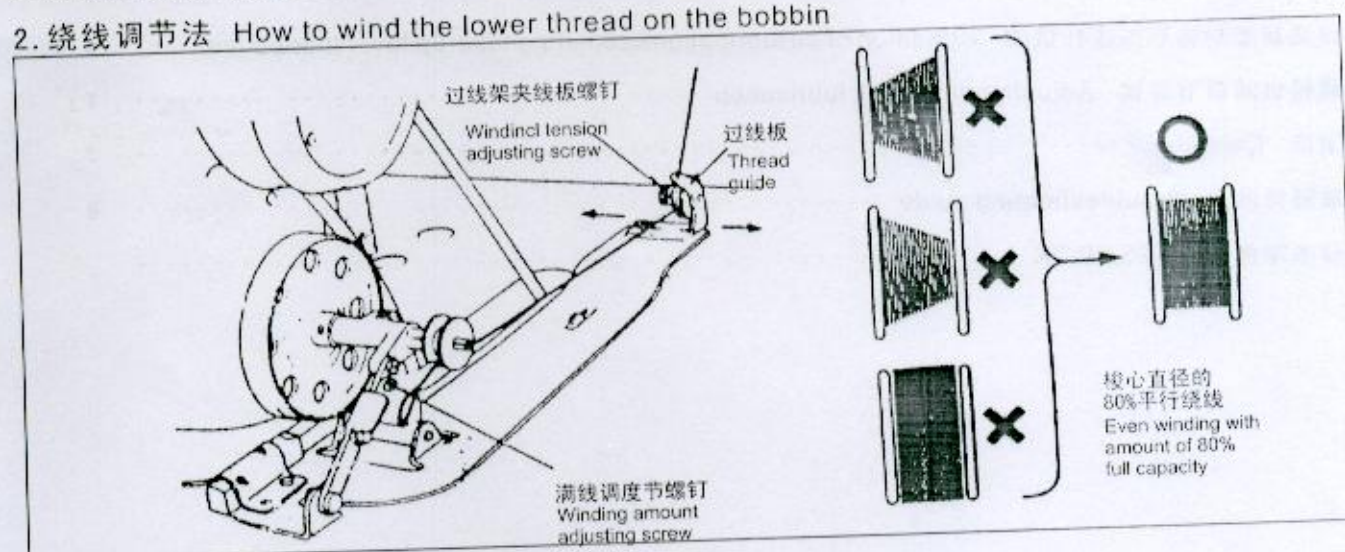
1. 安装机针 Needle installation



注：一定要先切断电源再装机

EN
Note: before attach needle, be sure to switch off the power source.

2. 绕线调节法 How to wind the lower thread on the bobbin

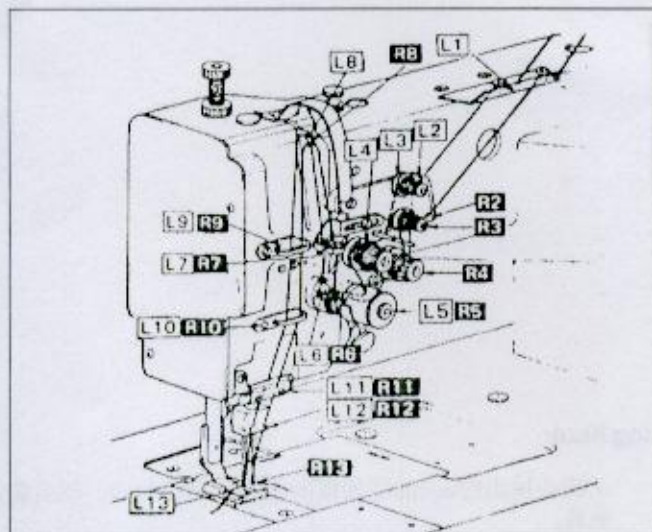


注：空运转时一定要把压脚提起。

- 绕线压力的强弱 绕涤纶、尼龙线时，要减少绕线压力。
- 单边绕线 过线架朝绕线量少的方向移动。
- 绕线量调节 绕线量大时，旋松满线度调节螺钉，绕线量少时，拧紧螺钉。

EN
Note: Raise the presser foot while the sewing machine left out of use.
Strength of winding: Particularly in the case of nylon or polyesler thread, it is desirable that the bobbin is wound loosely enough.
Uneven winding: in the case of uneven winding, adjust the thread guide slightly toward the less wound part of bobbin to obtain even winding.
Winding amount of thread: When the winding amount of thread is excessive loosen the adjusting screw and tighten when insufficient.

3. 穿面线方法 Threading

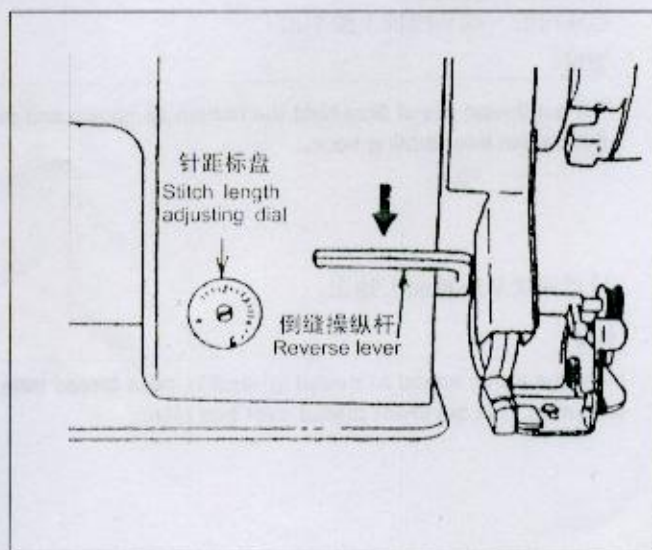


挑线杆上升至最高位置，按下列顺序穿线

EN

Raise the thread take-up lever to its highest position and thread the upper thread in the following order.

4. 针距调节和倒缝 Adjusting of stitch length & reverse lever



注：压下倒缝操纵杆，转动针距标盘，调节针距。倒缝……

压下倒缝操纵杆

放开倒缝操纵杆，则恢复为顺缝。

EN

For desired stitch length, push the reverse lever downward and adjust by stitch length dial.

Push the reverse lever downward, reverse sewing can be continued. When the reverse lever is released, reverse sewing return to forward sewing.

5. 线勾的调节 Adjusting of thread guide

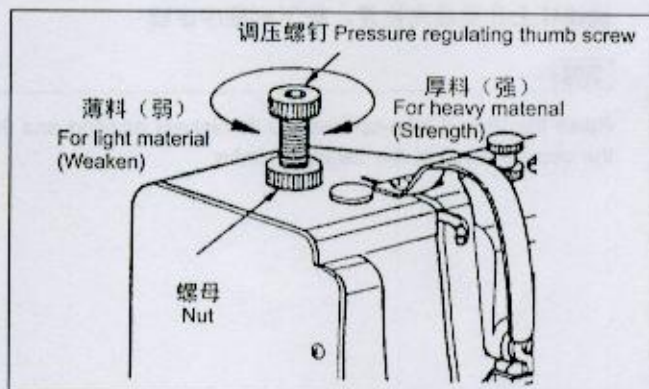
勾线位置 Thread guide position	左 Left	中 Middle	右 Right
缝料 Materials	厚料 Heavy	M } 标准 B } Standard	薄料 Light
面料供给量 Upper thread	多 Increase	标准 Standard	少 Decrease

根据缝料的厚薄调节线勾位置

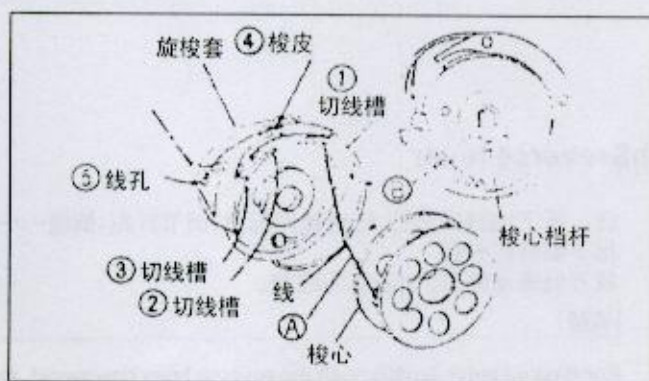
EN

Adjusting the thread guide according to the sewing materials conditions

6. 压脚压力的调节 Adjusting pressure of presser foot



7. 梭心装入旋梭的方法 Put the bobbin into the rotating hook



从梭心抽出约5cm的线如图所示方向拿往梭心，然后装入旋梭。

①线从梭芯左侧A拉出，然后装入梭芯套

②线顺着梭芯套①—⑤号通过

③梭芯套的凹部嵌入旋梭的凸部，然后装入旋梭轴

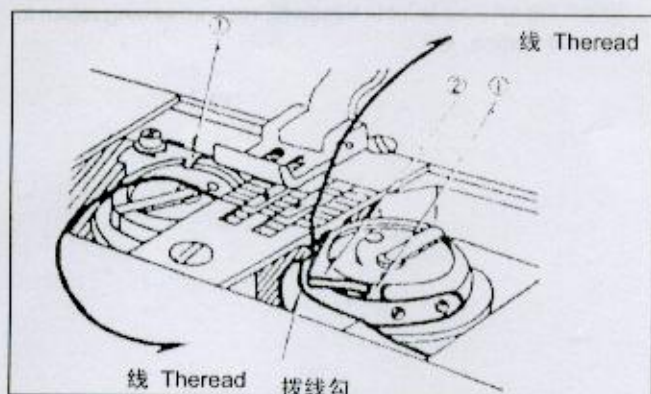
④把梭芯挡杆扳下

⑤底线的一端从底板上面引出

EN

Pull out thread about 5cm, hold the bobbin as shown, and put the bobbin into rotating hook.

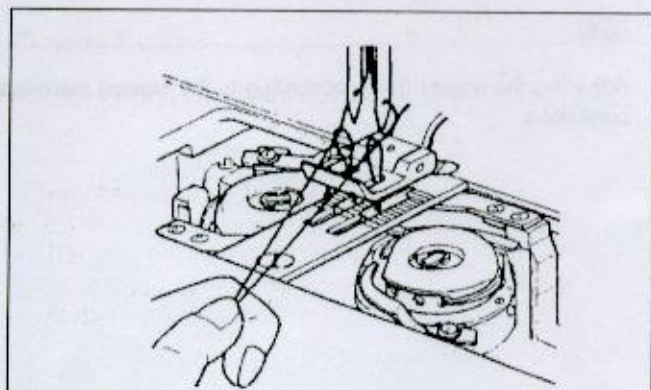
8. 引线的方法 Leading the lower thread



(1)把底线从底板面上抽出。

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Lead the lower thread to thread groove(1), pass thread through tongue(2), pull out lower thread over bed plate.

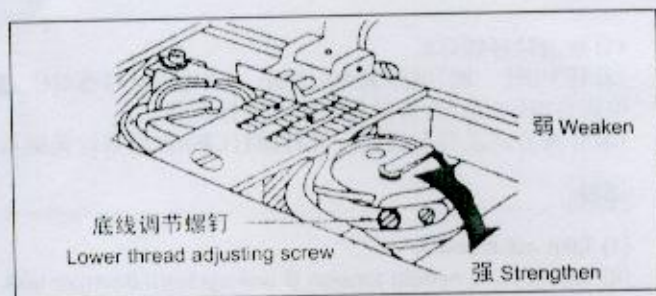


(2)左手拉住两根面线，用右手慢慢转一圈皮带轮如图所示，面线拉起把底线也引出，然后拉齐从压脚下面拉过，放到对面。

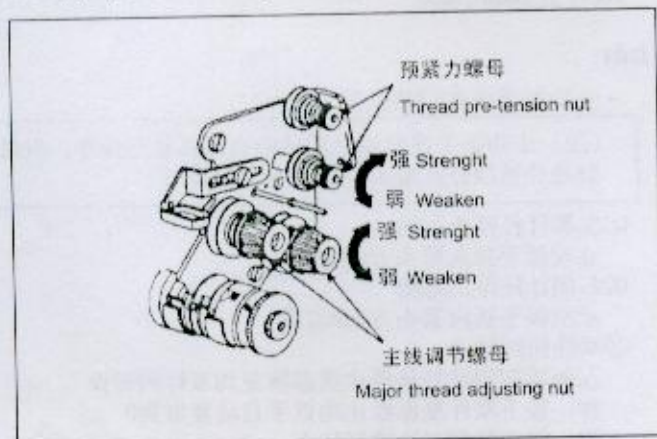
EN

(2) Hold up upper thread by left hand, rotate the wheel by right hand, lower thread be led while upper thread pull out. Make the length of upper thread and lower thread uniform. lead thread under the presser foot.

9. 调节底线 Adjusting the lower thread



10. 调节面线 Adjusting the upper thread

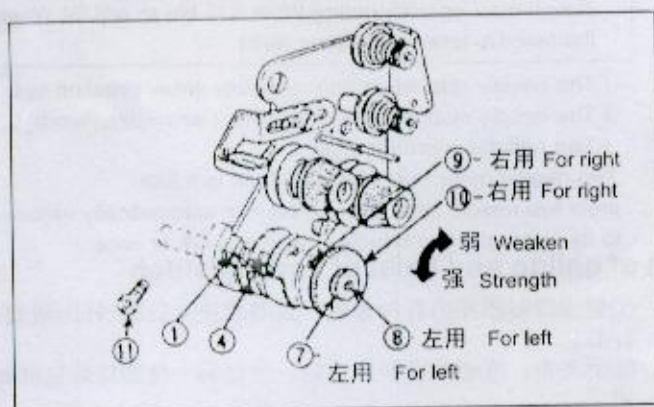


左右旋转面线调节螺母进行调节

EN

Turn the upper thread adjusting stud left or right

11. 挑线簧的调节 Adjusting thread take-up spring



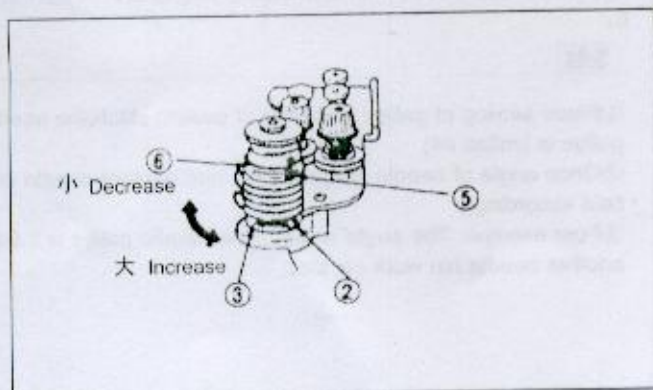
1. 挑线簧动作量的调节

- 1. 左面线的挑线簧①：把定位块的止动螺钉②放松，调节定位块。
- 2. 右面线的挑线簧④：把定位块的止动螺钉⑤放松，调节定位块⑥。

2. 挑线簧强度的调节

- 1. 调节左面线时，先放松固定螺母⑦及机头内部调节座螺钉(11)，然后调节夹线螺钉。调节结束，拧紧固定螺母及调节座螺钉即可。
- 2. 调节右面线时，先放松紧固螺钉⑨，回转调节螺母①。调节结束，拧紧固定螺钉⑨进行固定。

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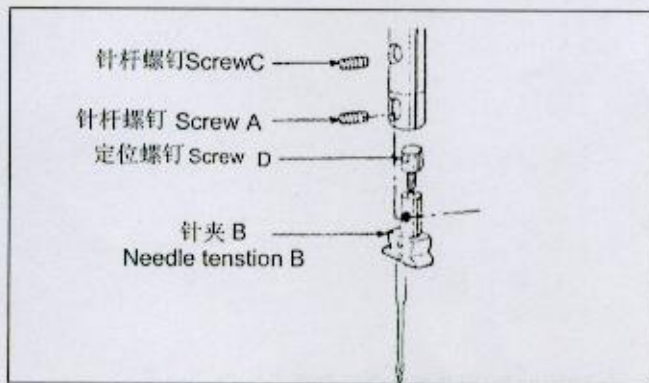
1. Adjusting the thread take-up spring stroke

- 1. Thread take-up spring for left upper thread: Loosen the stop screw (2), adjusting the stopper block(3).
- 2. Thread take-up spring for right upper thread: Loosen the stop screw(5), adjusting the stopper block(6).

2. Adjusting the thread take-up spring tension

- 1. Thread take-up spring tension for left upper thread: Loosen the Nut(7)and Screw(11),then adjusting the tension screw After adjustment,tighten the Nut(7)and Screw(11)
- 2. Thread take-up Spring tenSion for right upper thread: Loosen the Screw(9),adjusting the Nut(10)After adjustment, tighten Screw(9)

12. 针上下位置的调节 Up and down adjustment of needle

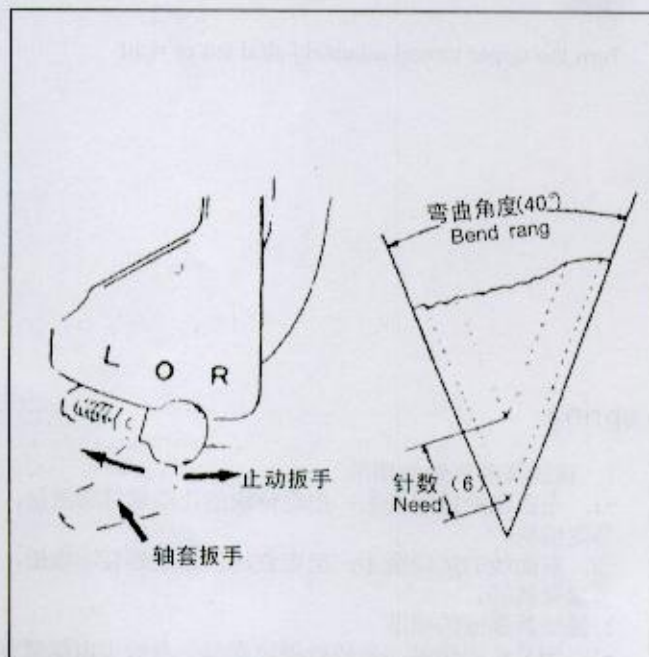


- (1) 旋出针杆螺钉A
- (2) 针夹B转一圈(调整量为0.6mm), 或旋出针杆螺钉C, 定位螺钉D转半圈(调整量为0.3mm)进行调节。
- (3) 针夹方向正对左侧面, 针杆螺钉C和A在原来位置旋入。

EN

- (1) Take out screw A
- (2) Turn around needle tension B one cycles(0.6mm), or take out screw C, filed screw D cycles at half (0.3mm)
- (3) Need tension face to let face, needle bar screw C and A come in there place.

13. 左右针杆停止 Stop left and right needle bar



- 止动扳手放在L和R位置

(注) 止动扳手在缝纫机运转中也可以进行操作, 但最好是让挑线杆在最高位置时再进行调节

- ①左侧针杆停止运动
止动扳手扳向箭头方向L位置
- ②右侧针杆停止运动
止动扳手扳向箭头方向R位置
- ③双针同时运动
左侧或右侧针杆从停止状态恢复到双针同时操作: 按下双针复原板止动扳手自动复原到0位, 即恢复到双针缝制状态。

EN

The stop banner place L&R place

Note: It may operate during work, it is best to adjust when the take-up lever is at its upper point

- ①The needle stop when banner follow arrow direction to L
- ②The needle stop when banner follow arrow direction to R
- ④Two needles more together
Two needle more from dynamic state is follow: press two needle pedal, so the banner automatically recover to its place. the two needles begin to work at once.

14. 缝角的弯曲角度和针距的关 Therelation of galle and twist of sewing stitch

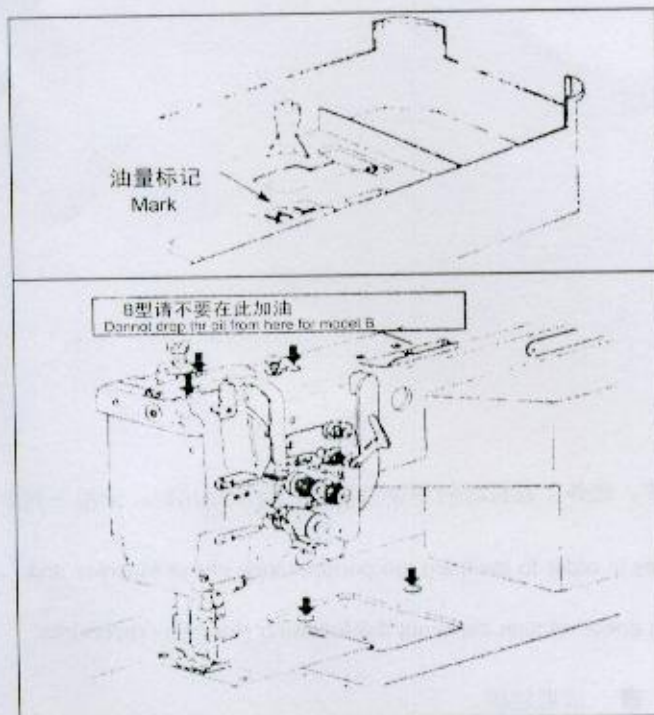
	2	3	4	5	6	7	8
30°				4.8	4.0	3.7	3.0
40°			4.4	3.5	2.9	2.5	2.2
50°		4.6	3.4	2.7	2.3	2.0	1.7
60°	5.5	3.7	2.8	2.2	1.9	1.6	
70°	4.6	3.0	3.3	1.8	1.5		
80°	3.8	2.5	1.9	1.5	1.3		
90°	3.2	2.1	1.6	1.3			
100°	2.7	1.8	1.3				
110°	2.2	1.5					
120°	1.8	1.2					
130°	1.5						
140°	1.1						

- ①要想缝制漂亮的各种角度, 请查表决定针距(针距限制在1/4)。
- ②所夹角、度相对针距决定后, 外侧另一针的针数也就知道了。
- ④例: 夹角为40°时, 针距2.9mm定下来以后, 外侧针数为6。

EN

- ①Place sewing of galle and twist of sewing stitch(the needle galle is limited 1/4)
- ②Once angle of needle galle is adjusted, another needle is field accordingly.
- ③Fore example: The angle is 40°, The needle galle is 2.9mm another needle niu work six step.

15. 润滑 Lubrication



1) 油加到油盘中H位置

在使用中要定期检查，如果油量在L位置以下，请补加到H位置。

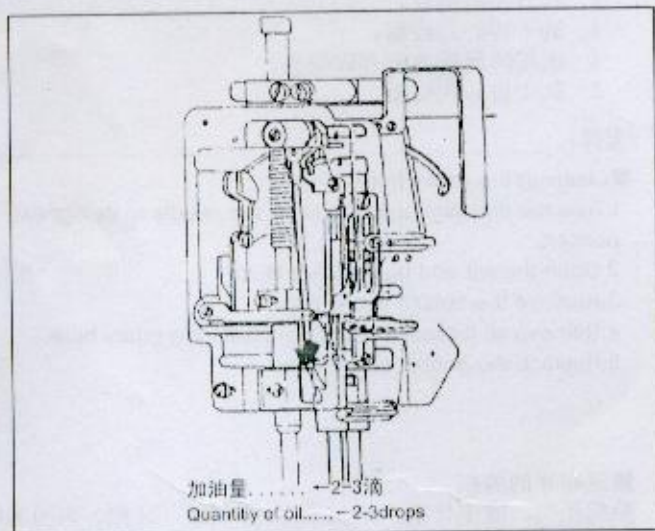
请使用白色缝纫机油

EN

1) Pour oil up to the position H of oil tank.

During operation, check the oil volume periodically, if oil level is below the position L, replenish oil up to the position H.

Please use the Sewing Machine oil.

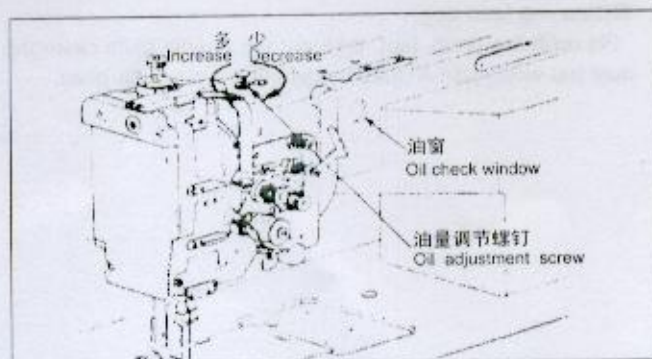


2) 新的缝纫机或长期不使用的缝纫机，在使用前要适量地加油（箭头所指）。

EN

2) While a new sewing machine is first operated, or when a sewing machine left out of use for a long period of time is operated, it will be necessary to oil.

16. 供油状态和调节挑线杆供油 Condition of oil lubrication & adjusting take-up lever lubrication



(1) 运转过程中确认油窗里有油滴下。

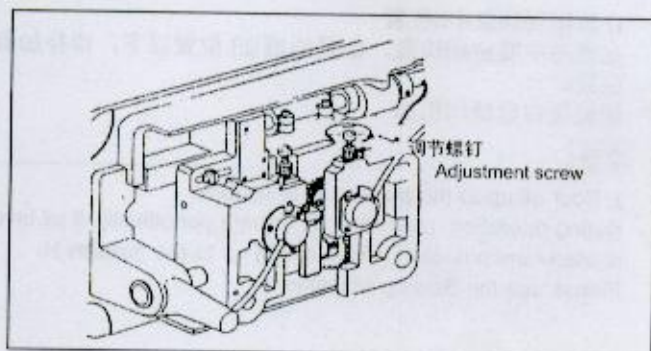
(2) 可调节给挑线杆组件加油的调节螺钉。

EN

(1) Be sure the oil is splashing through the oil check window while sewing machine is operating.

(2) Adjusting the oil adjustment screw.

17. 旋梭供油调节装置 Adjustment of hook lubrication

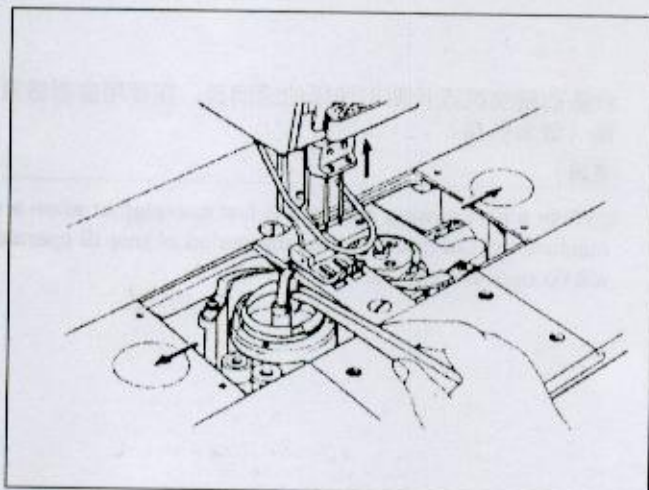


18. 清洁 Cleaning

为了, 更好保养和延长使用寿命, 每天需进行下列清洁工作。此外, 若长时间不使用机器, 再次使用时, 请按下列步骤进行操作

The following cleaning operations should be carried out each day in order to maintain the performance of this machine and to ensure a long service life.

Furthermore, If the sewing machine has not been used for a long period of time carry out the following cleaning procedures before using it again.



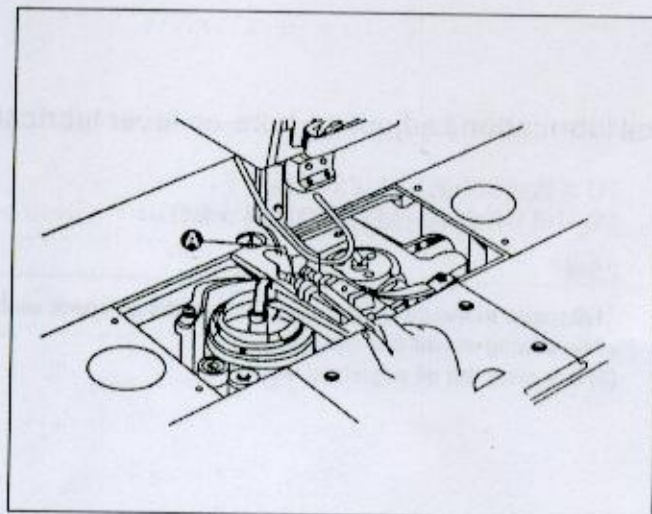
■ 清理旋梭

1. 转动上轮将机针提升到最高位置。
2. 打开左右推板。
3. 卸下梭心和梭帽。
4. 清理掉旋梭内所有碎线头。
5. 装上梭心和梭帽

EN

■ Cleaning the rotary hook

1. Turn the machine pulley to raise the needle to its highest position.
2. Open the left and right slide plates.
3. Remove the bobbin or the cap.
4. Remove all thread scraps from inside the rotary hook.
5. Replace the bobbin or the cap.



■ 送布牙的清扫

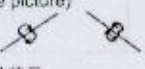
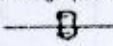
抬起压脚, 取下针板, 清扫送布牙A间距 (牙槽) 内的灰尘, 然后再安好针板。

EN

■ Cleaning feed dog

Pls uplift the press feet, take out the needle plate clean the dust between part A, then install back the needle plate.

19. 故障排除表 Troubleshooting guide

故障状态 Problem	原因 Cause	简单的修理方法 Solution
跳针 Stitches skip	(1)针的原因 Needle ●针弯曲 Needle is bent ●针与线不相配 Needle and thread is not suitable	换新针 Insert new needle 根据线的粗细配适当型号的机针 Select proper needle for thread thickness
	(2)针没装好 Needle is not fully inserted ●针没装到底 Needle is not fully inserted ●针歪斜 (如图) Installation of needle is crooked (see picture)  ●针装反 Installation of needle is opposite	针要装到针杆子L底部为止 Needle must be inserted fully into the bottom of needle bar 针孔要装直 (如下图) Installation of needle must be straight (see the below picture)  针的长槽要面对面 Keep the long groove of needle face to face
松浮不紧 Stitches are loosened	(1)面线调节太松 Surface stitch is too loosened	面线调节螺母向右一点点调节至适度 Turn the surface stitch nut to the right side lightly until it gets the suitable place
	(2)挑线簧太软松 Stitch-spring is too soft	夹线调节螺钉一点点向左旋转, 挑线簧逐步变硬。 厚的材料 (针脚长的) 要求挑线簧较硬。 When the thread-hold nut turn left the stitch-spring will become hard, heavy material (long needle foot) requires hard stitch—Spring
	(3)底线调节太松 Bottom stitch is too loosened	梭芯套上的梭皮螺钉逐渐调节至适度 Turn the screw of bobbin case to a suitable place.
线被切断 Needle thread breaks	(1)线的质量不好 The thread quality is too poor	调换成质量好的缝纫线, 不能使用粗细不均的线 Select good quality thread, donot use rough thread
	(2)针的原因 Needle cause ●针弯曲 Needle is bent ●针没装好 Needle is not well installed ●与线相配的针太细 Needle size is too thin for thread	换新针 Insert new needle 参照跳针 (2)项 See item (2) of stitches skip 用与线相配的机针 Select needle size for thread
	(3)面线张力太大 Thread tension too tight ●两天线板间线屑太多 Tension disc area lint excessive ●梭芯绕线过慢或绕线不够 Bobbin winding too low or not enough ●梭芯套里线屑太多 Bobbin case lint excessive ●梭芯套上的梭皮歪斜 (浮起) 或折断 Bobbin case tension spring lean or break ●梭芯装入梭芯套的方法不对 Bobbin in stalling not correct	面线调节螺母向左旋转, 减小张力, (如果是面线不紧而调得太紧的话, 先看清不紧的原因) Turn tension adjust nut post left, the pressure will be decreased, (if the thread tension not too tight, check the case first) 夹线组件调节螺母拧下后能全部分解, 把夹线板内面和夹线螺钉的过线槽清理干净。 Tension assembly complete adjust nut will be take apart, then clean them 正确绕线, 平行绕线且至梭芯外径的80% Correct wind the thread, wind parallel to bobbin diameter 80% 清除尘屑 Clean the lint  改正或换掉安装歪斜的 Correct or change them 梭芯装入梭芯套后, 拖动底线, 梭芯逆时针方向回转 Bobbin put in the bobbin case, pull the bottom stitch, turn the bobbin counterclockwise.
	(4)对于被缝制的材料, 针、线太细 Refer to material of sewing needle, thread too small	对于被缝制得材料要用适当粗细得针和线, 特别是极薄的材料, 不能用过粗的针和线, 否则会起皱。 The material sewing will be fit for the needle and thread, specially the light-weight material, not use too thick neele and thread, otherwise will wrinkle.
针角起皱 Fabric wrinkle	(2)调节螺钉 (底线, 面线) 调得太紧 Adjust nut (bottom stitch, surface stitch) Adjusting too tight.	调整面线调节螺母、挑线簧、梭芯套 Adjusting tension adjust nut, take-up spring, tension case.
	(8)压紧杆压得太紧 The thread take-up press too tight	调整面线调节螺母、挑线簧、梭芯套 Adjusting tension adjust nut, take-up spring, tension case.

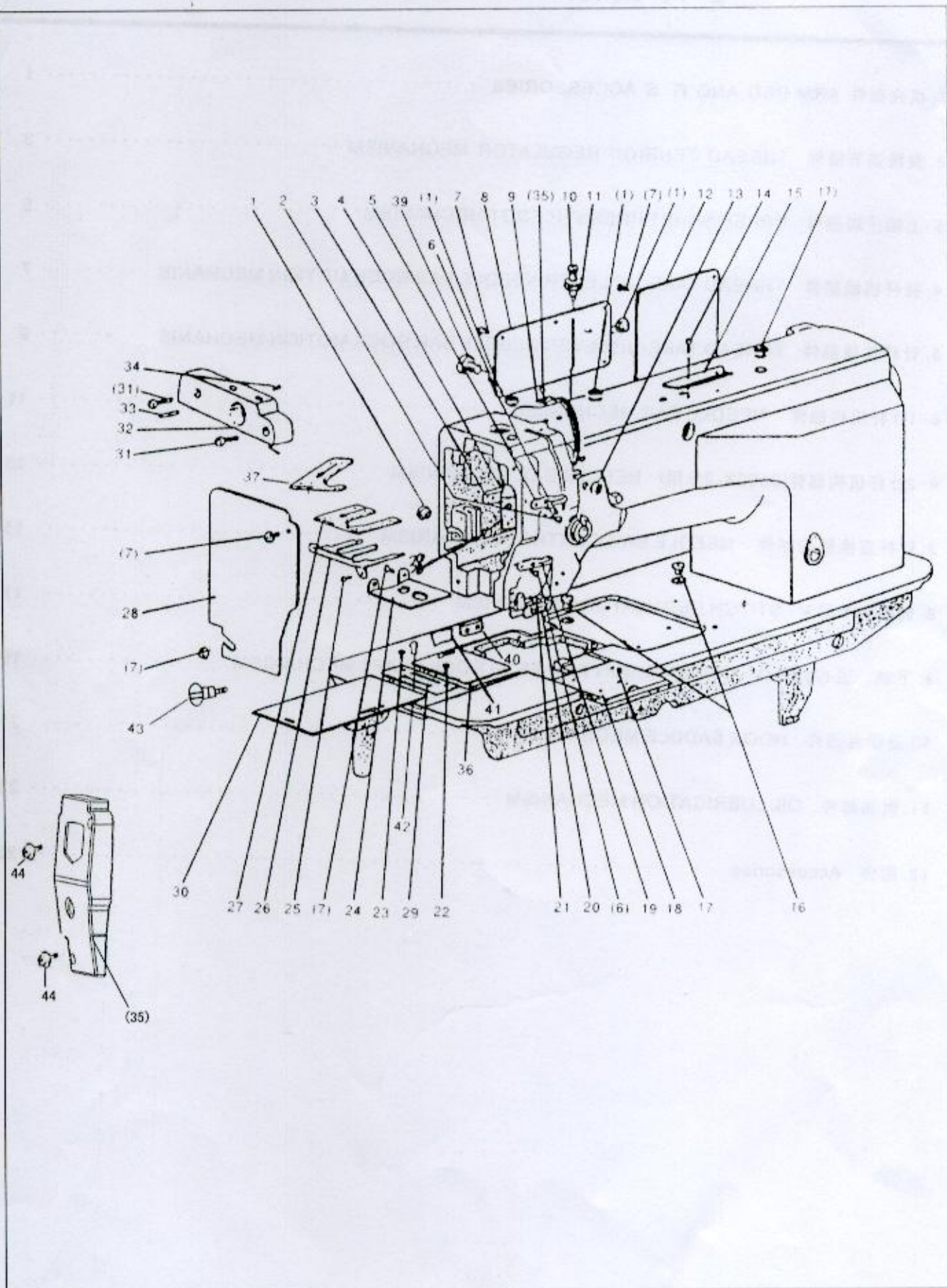
2000S-1M/2M/1B/2B

规格Specification		型号 Model		2000S-1M	2000S-2M	2000S-1B	2000S-2B
用途 Material weight		薄料-中厚料 Thin-medium material				中厚料 Medium materia	
最高缝速 Max speed		4000rpm		3500rpm		3000rpm	3000rpm
针距长度 Stitch lenght		0~4mm		0~5mm		0~7mm	0~7mm
针杆行程 Needle bar stroke		33.4mm		33.4mm		35mm	33.4mm
压脚提升机高度 Presser foot clrance		膝控13mm 手动7mm Kneel lifter13mm hand7mm					
使用机针 Needle		DPx5(标准#14) DPx5(Standard#14)				DPx5(标准#18-#22) Dpx5(Standard#18-#22)	
旋梭 Rotating hook		全回转自动加油水平旋梭 (标准旋梭) Rotary automatic lubricarion Horizontal rotating hook (Standard rotating hook)				全回转自动加油水平旋梭 (2倍旋梭) Rotary automatic lubricarion Horizontal rotating hook (Twice rotating hook)	
挑线杆 Take-up lever		滑杆式 Slide type					
针距调节 Adjustment of stitch		标盘式 Dial type					
供油方式 Lubrication		自动润滑 Automatic lubrication					
电机 Motor		离合器马达370W Clutch motor370W					
二针间距 Gap of two needles	标准 Standard	6.4mm					
	特殊 Special	2.4、4、5.6、3.2、4.8、8、9.5、12.7、16、19、25.4、28.5、31.8、38.1					

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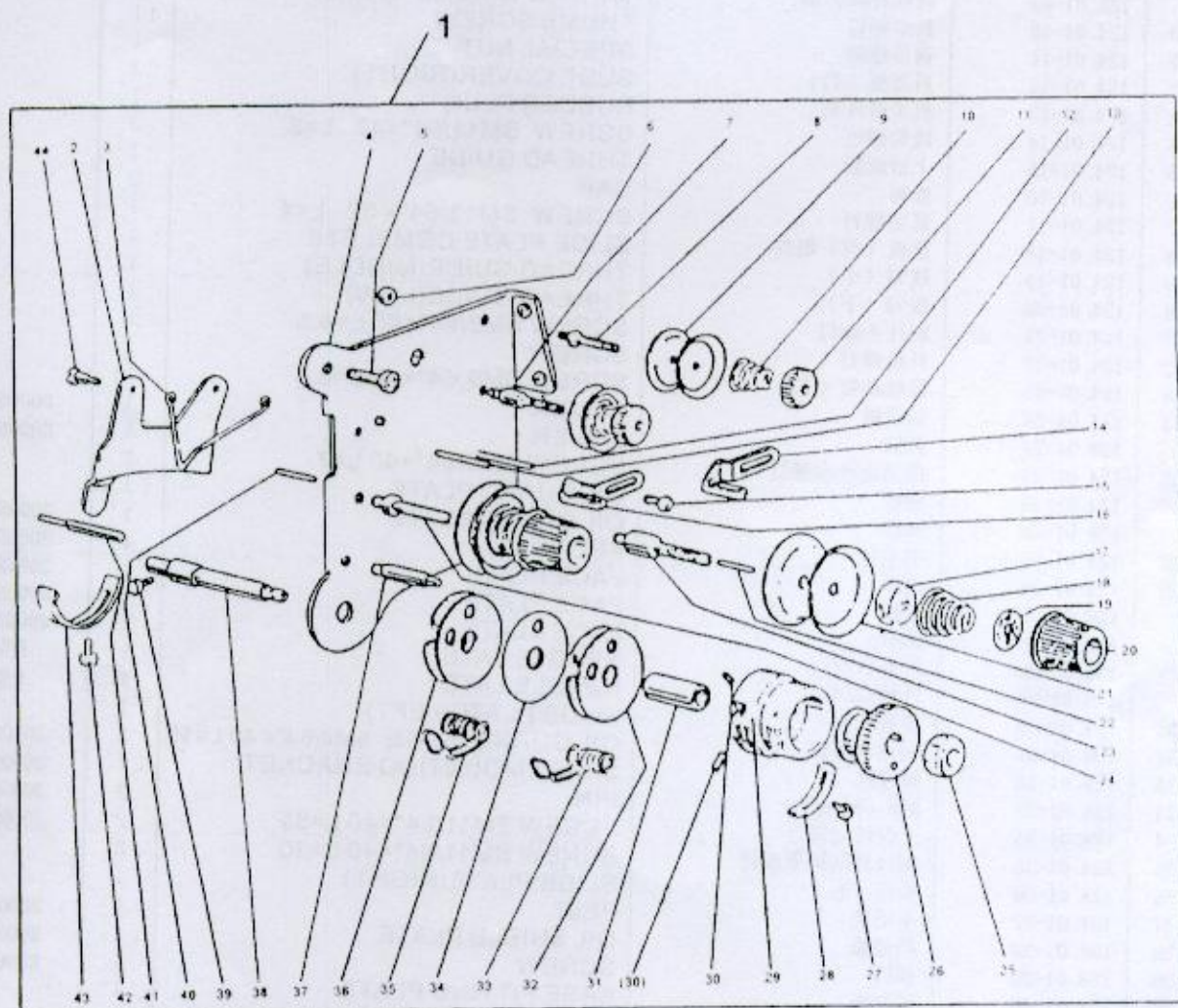
1. 机壳部件 ARM BED AND IT'S ACCESSORIES



1. 机壳部件 ARM BED AND IT'S ACCESSORIES

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	124.01-01	橡皮塞	RUBBER PLUG	5	
2	124.01-02	过线勾沉头螺钉	SCREW	2	
3	124.01-03	挡油罩板垫块	SPACER	1	
4	124.01-04	挡油罩板	OIL GUARD PLATE	1	
5	124.01-05	线勾(上)	THREAD GUIDE	1	
6	124.01-06	防油垫固定板螺钉	SCREW SM9/64"x40 L=6.5	2	
7	124.01-07	后盖板螺钉组件	SCREW	14	
8	124.01-08	后盖板(左)	SIDE COVER(LEFT)	1	2000S-1
9	124.01-09	挑线杆防护罩	THREAD TAKE-UP COVER	1	2000S-2
	128.01-09	挑线杆防护罩	THRFAID TAKE-UP COVER	1	
10	124.01-10	紧定螺钉	THUMB SCREW	1	
11	124.01-11	调节螺母	SPECIAL NUT	1	
12	124.01-12	后盖板(右)	SUDE COVER(RIGHT)	1	
13	124.01-13	机头橡皮塞	RUBBER PLUG	2	
14	124.01-14	线勾螺钉	SCREW SM11/64"x40 L=8	1	
15	124.01-15	上过线板	THREAD GUIDE	2	
16	124.01-16	油杯	CAP	1	
17	124.01-17	紧定螺钉	SCREW SM13/64"x32 L=4	1	
18	124.01-18	推板(前)组件	SLIDE PLATE COMPLETE	1	
19	124.01-19	线勾(中)	THREAD GUIDE(MIDDLE)	1	
20	124.01-20	线勾(下)	THREAD GUIDE(LOW)	1	
21	124.01-21	圆注头螺钉	SCREW SM9/64"x40 L=6.5	1	
22	124.01-22	针板螺钉	SCREW	1	
23	124.01-23	针板螺钉(后)	SCREW SM9/64"x40 L=6.5	1	2000S-1
24	124.01-24	油线板	COVER	1	2000S-2
	128.01-24	盖板	COVER	2	
25	124.01-25	摆动连杆座螺钉	SCREW SM9/64"x40 L=7	1	
26	124.01-26	油板	OIL GUARD PLATE	1	2000S-1
	128.01-26	油板	OIL GUARD PLATE	1	2000S-2
27	124.01-27	羊毛毡	FELT	1	2000S-1
28	124.01-28	面板	FACE PLATE	1	2000S-1
	128.01-28	面板	FACE PLATE	1	2000X-2
	128.01-46	面板	FACE PLATE	1	B型
29	124.01-29	针板(1/4)	NEEDLE LATE	1	M型
	126.01-29	针板(1/4)	NEEDLE LATE	1	
30	124.01-30	推板(左)	SLIDE PLATE(LEFT)	1	
31	128.01-31	圆柱头螺钉	OIL GUARD PLATE SM11/64"x40 L=15	2	2000S-2
32	128.01-32	轴支架	SHAFT MOUNTING BRACKET	1	2000S-2
33	128.01-33	A型(圆锥销)	PIN	2	2000S-2
34	128.01-34	三眼线勾螺钉	SCREW SM11/64"x40 L=55	2	2000S-2
35	124.01-35	挑线杆防护罩螺钉	SCREW SM11/64"x40 L=10	2	
36	128.01-36	推板(右)	SLIDE PLATE(RIGHT)	1	
37	124.01-37	羊毛毡	FELT	1	2000S-2
38	128.01-38	挡油板	OIL SHIELD PLATE	1	2000S-2
39	128.01-39	螺钉	SCREW	1	2000S-2
40	124.01-40	固定板	BASE FITTING PLATE	1	
41	124.01-41	羊毛毡	FELT	1	
42	124.01-42	针板定位销	PIN	1	
43	128.01-43	面板螺钉(下)	SCREW	1	2000S-2
44	12-40500825-01	面板螺钉	SCREW M5x8	2	2000X-2

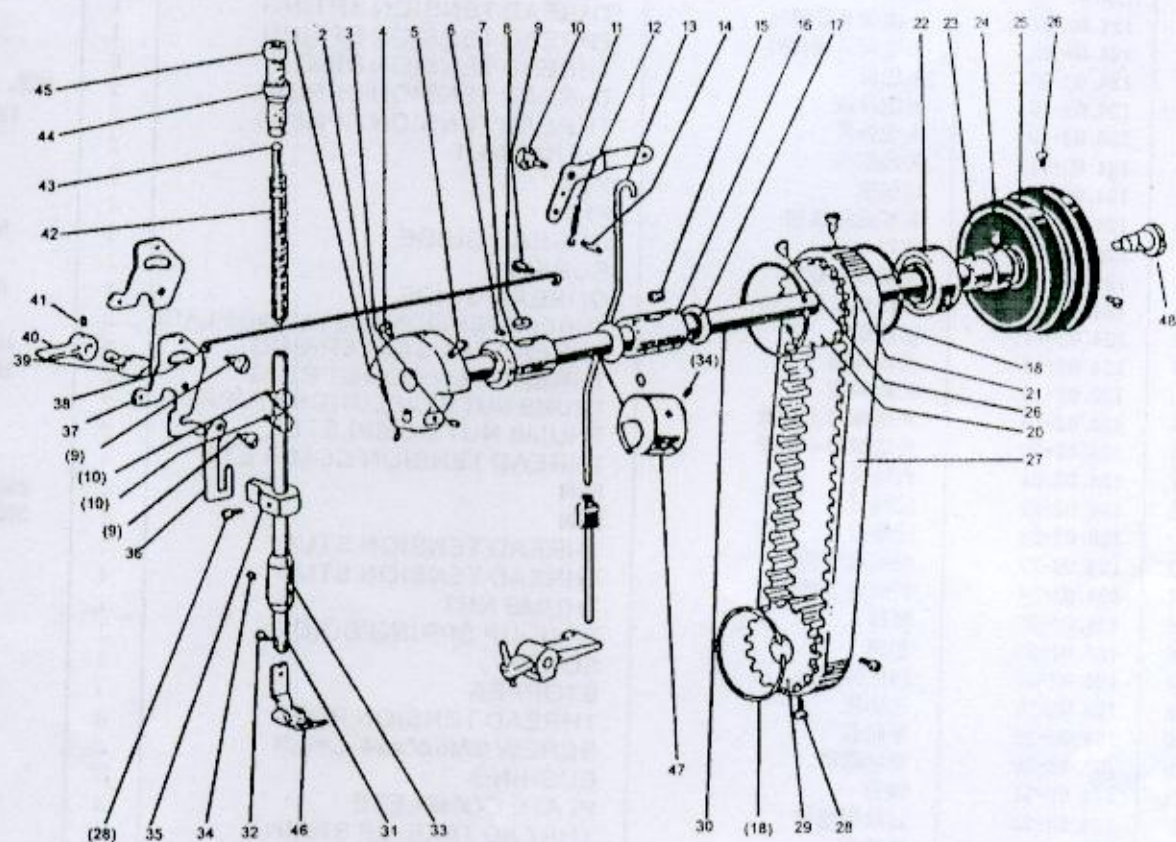
2. 夹线调节部件 THREAD TENSION REGULATOR MECHANISM



2. 夹线调节部件 THREAD TENSION REGULATOR MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	124.02-01	夹线组件	THREAD TENSION ARM.	1	B型
	126.02-01	夹线组件	THREAD TENSION ARM.	1	M型
2	124.02-02	松线板	TENSION RELEASING PLATE	1	
3	124.02-03	松线板压弹簧	TENSION RELEASING SPRING	1	
4	124.02-04	夹线调节器安装板	MOUNTING PLATE	1	
5	124.02-05	挑线杆防护罩螺钉	SCREW	2	
6	124.02-06	螺母	NUT	2	2000S-1
	128.02-06	螺母	NUT	2	2000S-2
7	124.02-07	夹线调节器螺钉	THREAD TENSION SPTING	1	
8	124.02-08	夹线调节器螺钉	THREAD TENSION SPTING	1	
9	124.02-09	夹线板	THREAD TENSION DISC	4	M型、2B型
10	124.02-10	夹线弹簧	THREAD TENSION SPRING	2	1B型
	126.02-10	夹线弹簧	THREAD TENSION SPRING	2	
11	124.02-11	夹线螺母	THUMB NUT	2	
12	124.02-12	过线销	PIN	2	
13	124.02-13	夹线定位板销	PIN	1	
14	126.02-14	线勾	GHREAD GUIDE	1	B型
15	124.02-15	面板线勾螺钉	SCREW	1	
16	124.02-16	夹线调节器线勾	GHREAD GUIDE	1	B型
17	124.02-17	松线板	THREAD TENSION RELEASING PLATE	2	
18	124.02-18	夹线弹簧	THREAD TENSION SPRING	2	1B型
	130.02-18	夹线弹簧	THREAD TENSION SPRING	2	2B型
19	124.02-19	夹线螺母止动板	THUMB NUT REVOLUTION STOPPER	2	
20	124.02-20	夹线螺母小组件	THUMB NUT COMPLETE	2	
21	124.02-21	夹线板	THREAD TENSION COMPLETE	4	
22	124.02-22	过线钉	PIN	1	2000S-1
	128.02-22	过线钉	PIN	1	2000S-2
23	124.02-23	夹线调节螺钉	THREAD TENSION STUD	1	
24	124.02-24	夹线调节螺钉	THREAD TENSION STUD	1	
25	124.02-25	螺母	THUMB NUT	1	
26	124.02-26	套筒	TAKE-UP SPRING GUIDE	1	
27	124.02-27	圆柱头螺钉	SCREW	1	
28	124.02-28	止动块	STOPPER	1	
29	124.02-29	导向套	THREAD TENSION POST	1	
30	124.02-30	紧定螺钉	SCREW SMI/8"x44 L=3.9	2	
31	124.02-31	轴套	BUSHING	1	
32	124.02-32	过线板组件	PLATE COMPLETE	1	
33	124.02-33	挑线簧	THREAD TAKE-UP SPRING	1	
34	124.02-34	过线板	PLATE	1	
35	124.02-35	挑线簧	THREAD TAKE-UP SPRING	1	
36	124.02-36	过线板组件	PLATE COMPLETE	1	
37	124.02-37	阶梯螺钉	SCREW	1	
38	124.02-38	阶梯轴螺钉	THREAD TENSION STUD	1	
39	124.02-39	摆动连杆轴螺钉	SCREW	1	
40	124.02-40	过线钉	PIN	1	2000S-1
	128.02-40	过线钉	PIN	1	2000S-2
41	124.02-41	松线钉	TENSION RELEASING PIN	1	
42	124.02-42	圆柱头螺钉	SCREW SM9/64"x40 L=6.5	2	
43	124.02-43	止动块	STOPPER	1	
44	124.02-44	松线板螺钉	SCREW	2	

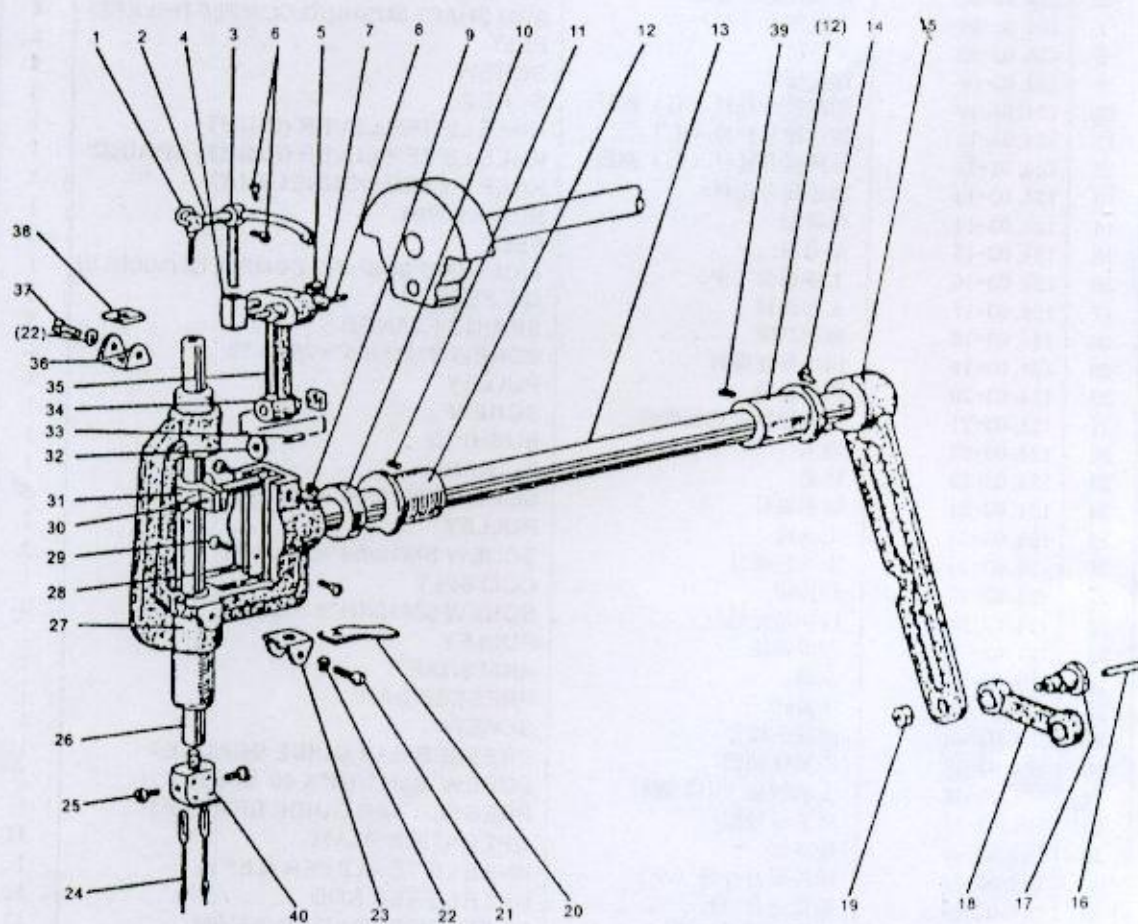
3. 上轴压脚部件 UPPER SHAFT PRESSER FOOT MECHANISM



3. 上轴压脚部件 UPPER SHAFT PRESSER FOOT MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	124.03-01	针杆曲柄	NEEDLE BAR CRANK COMPLETE	1	1M型
	126.03-01	针杆曲柄	NEEDLE BAR CRANK COMPLETE	1	1B型
	128.03-01	针杆曲柄	NEEDLE BAR CRANK COMPLETE	1	2000-2
2	124.03-02	上轴紧圈螺钉	SCREW SM1/4"X40 L=8	1	
3	124.03-03	挑线曲柄定位螺钉	SCREW SM1/4"X40 L=6	1	
4	124.03-04	针杆曲柄螺钉	SCREW SM9/32"X28 L=13	2	
5	124.03-05	针杆曲柄定位螺钉	SCREW	1	
6	124.03-06	挑线杆定位螺钉	SCREW	1	
7	124.03-07	上轴轴套(左)	ARM SHAFT BUSHING COMPLETE(LEFT)	1	
8	124.03-08	羊毛毡	FELT	2	
9	124.03-09	铰链螺钉	SCREW	1	
10	124.03-10	膝控提升杠杆(右)螺钉	SCREW	3	
11	124.03-11	膝控提升杠杆(右)	KNEE LIFTER LEVER (RIGHT)	1	
12	124.03-12	膝控提升杠杆(右)弹簧	KNEE LIFTER LEVER (RIGHT) SPRING	1	
13	124.03-13	膝控提升边杆	KNEE LIFTER CONNECTING	1	
14	124.03-14	弹簧销	SPRING PIN	1	
15	124.03-15	羊毛毡	FELT	2	
16	124.03-16	上轴轴套(中)	ARM SHAFT BUSHING COMPLETE (MIDDLE)	1	
17	124.03-17	上轴油封	OIL SEAL	2	1M型
18	124.03-18	弹簧挡圈	SPRING FLANGE	3	1M型
19	124.03-19	同步带轮螺钉	SCREW SM15/64"X28 L=10	1	
20	124.03-20	同步带轮	PULLEY	1	
21	124.03-21	侧缝操纵杆曲柄螺钉	SCREW	1	
22	124.03-22	轴承	BUSHING	1	
23	124.03-23	轴套	BUSHING	1	
24	124.03-24	轴套螺钉	SCREW SM15/64"X28 L=10	2	
25	124.03-25	主动轮	PULLEY	1	
26	124.03-26	主动轮螺钉	SCREW SM15/64"X28 L=12	3	
27	124.03-27	同步带	COG BELT	1	
28	124.03-28	同步带轮螺钉	SCREW SM15/64"X28 L=10	2	
29	124.03-29	同步带轮	PULLEY	1	
30	124.03-30	上轴	ARM SHAFT	1	
31	124.03-31	压紧杆	PRESSER BAR	1	
32	124.03-32	圆柱头螺钉	SCREW	1	
33	124.03-33	压紧杆轴套	PRESSER BAR GUIDE BRACKET	1	
34	124.03-34	上轴轴套(中)螺钉	SCREW SM11/64"X40 L=5.5	2	
35	124.03-35	压紧杆导架	PRESSER BAR GUIDE BRACKET	1	
36	124.03-36	操纵杆	OPERATION PLATE	1	
37	124.03-37	膝控提升杠杆(左)	KNEE LIFTER LEVER (LEFT)	1	
38	124.03-38	膝控提升拉杆	KNEE LIFTER ROD	1	
39	124.03-39	压紧杆提升凸轮	DRESSER BAR LIFTING CAM	1	
40	124.03-40	压脚板手	PRESSER BAR LIFT	1	
41	124.03-41	三股线勾螺钉	SCREW SM11/64"X40 L=5.5	2	
42	124.03-42	压紧杆弹簧	PRESSER BAR SPRING	1	
43	124.03-43	压紧杆弹簧导柱	PRESSER BAR SPRING GUIDE	1	
44	128.03-44	调压螺钉锁紧螺母	SPECIAL NUT	1	2000S-1
45	124.03-45	调压螺钉	SCREW	1	
46	124.03-46	压脚组件	PRESSER FOOT COMPLETE(1/4)	1	M型
	126.03-46	压脚组件	PRESSER FOOT COMPLETE(1/4)	1	B型
47	128.03-47	平衡偏心轮	BALANCE ECCENTRIC WHEEL	1	2000S-2
48	124.03-48	上轴轴端螺钉	SCREW SM11/32"X28	1	

4. 针杆挑线部件 THREAD TAKE-UP LEVER NEEDLE BAR ROCK MOTION MECHANIS

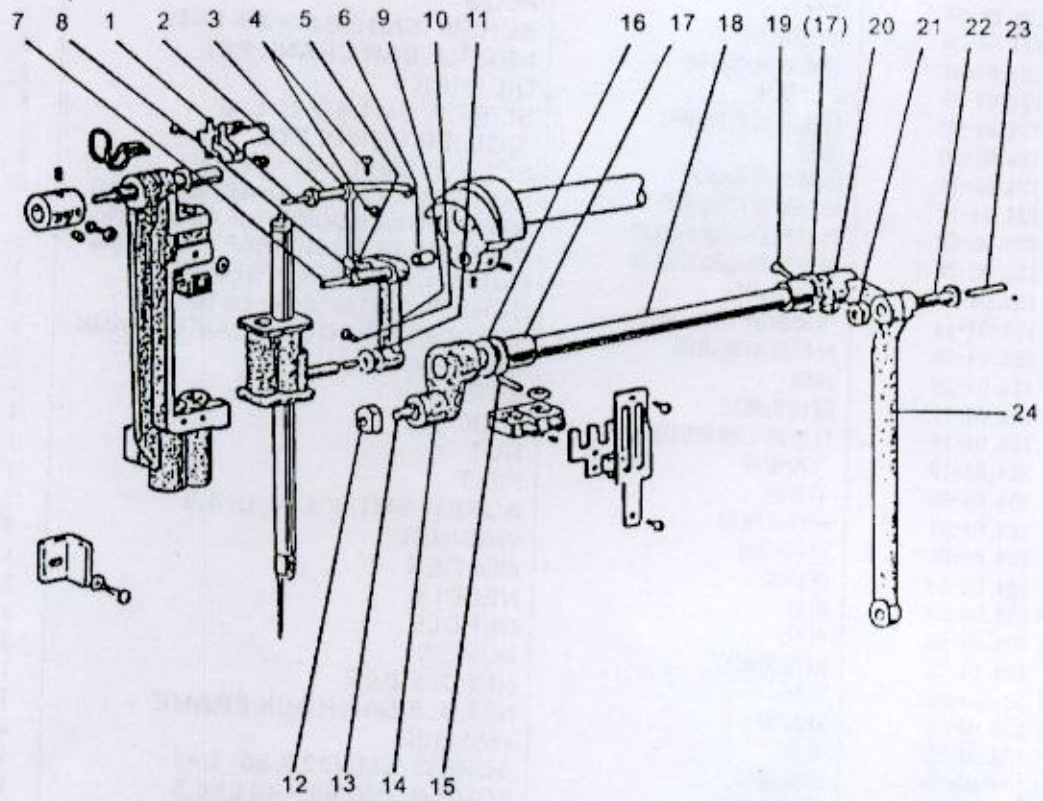


4. 针杆挑线部件 THREAD TAKE-UP LEVER NEEDLE BAR ROCK MOTION MECHANIS

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	124.04-01	棉线	OIL WICK	1	2000S-1
2	124.04-02	挑线杆铰链轴	THREAD TAKE-UP GUIDE BRACKET PIN	1	2000S-1
3	124.04-03	挑线杆	THREAD TAKE-UP LEVER	1	1M型
	124.04-03	挑线杆	THREAD TAKE-UP LEVER	1	1B型
4	124.04-04	挑线杆滑块	THREAD TAKE-UP LINK	1	1M型
	124.04-04	滑杆	THREAD TAKE-UP LINK	1	1B型
5	124.04-05	滑杆塞子	PLUG	1	2000S-1
6	124.04-06	主动轮螺钉	SDREW SM15/64"×28 L=12	3	2000S-1
7	124.04-07	挑线曲柄边杆轴	NEEDLE BAR CRANK PIN	1	2000S-1
8	124.04-08	滑杆棉线	OIL WICK	1	2000S-1
9	124.04-09	挑线曲柄定位螺钉	SC'RF.W SM1/4"×40 L=6	1	2000S-1
10	124.04-10	紧圈	COLLER COMPLFTE	1	2000S-1
11	124.04-11	压紧杆导架螺钉	SCREW SM15/64"×28 L=7	1	2000S-1
12	124.04-12	针杆架摆动轴轴套	NEEDLE BAR ROCK SHAFT BUSHING	2	2000S-1
	128.06-52	针杆架摆动轴前轴套	NEEDLE BAR ROCK SHAFT BUSHING	1	2000X-2
	132.02-20	针杆架摆动轴后轴套	NEEDLE BAR ROCK SHAFT BUSHING	1	2000X-2
13	124.04-13	针杆摆动轴	NEEDLE BAR ROCK SHAFT	1	2000S-1
14	124.04-14	压脚曲柄(右)螺钉	SCREW SM1/4"×24 L=16	1	2000S-1
15	124.04-15	针杆摆动轴曲柄	NEEDLE BAR ROCK SHAFT CRANK	1	2000S-2不用
16	124.04-16	油线	OIL WICK	1	2000S-2不用
17	124.04-17	圆柱头螺钉	SCREW	1	2000S-2不用
18	124.04-18	针杆摆动轴曲柄连杆	LINK	1	2000S-2不用
19	124.04-19	六角螺母	NUT	1	2000S-1
20	124.04-20	羊毛毡	FELT	1	2000S-1
21	124.04-21	圆柱头螺钉	SCREW SM1/8"×44 L=4.8	2	2000S-1
22	124.04-22	弹簧垫圈	WASHER	4	2000S-1
23	124.04-23	保持架	HOLDER	1	2000S-1
24	124.04-24	机针	NEEDLE	2	1M型
	126.04-24	机针	NEEDLE	2	1B型
25	124.04-25	圆柱头螺钉	SCREW	2	2000S-1
26	124.04-26	针杆	NEEDLE BAR	1	2000S-1
27	124.04-27	针杆架	NEEDLE BAR ROCK FRAME	1	2000S-1
28	124.04-28	垫片	WASHER	2	2000S-1
29	124.04-29	沉头螺钉	SCREW SM3/32 X 56 L=4	4	2000S-1
30	124.04-30	圆柱头螺钉	SCREW SM9/64"×40 L=8.5	1	2000S-1
31	124.04-31	针杆接头	NEEDLE BAR CONNECTING STUD	1	2000S-1
32	124.04-32	垫片	WASHER	1	2000S-1
33	124.04-33	羊毛毡	FELT	1	2000S-1
34	124.04-34	针杆接头滑块	SQUARE BLOCK	1	2000S-1
35	124.04-35	挑线连杆	THREAD TAKE-UP LINK	1	2000S-1
36	124.04-36	保持架	HOLDER	1	2000S-1
37	124.04-37	圆柱头螺钉	SCREW SM1/8"×44 L=3.5	2	2000S-1
38	124.04-38	羊毛毡	FELT	1	2000S-1
39	124.04-39	上轴轴套(中)螺钉	SCREW SM15/64"×28 L=10	1	2000S-1
40	124.04-40	机针夹头	HOLDER	1	2000S-1

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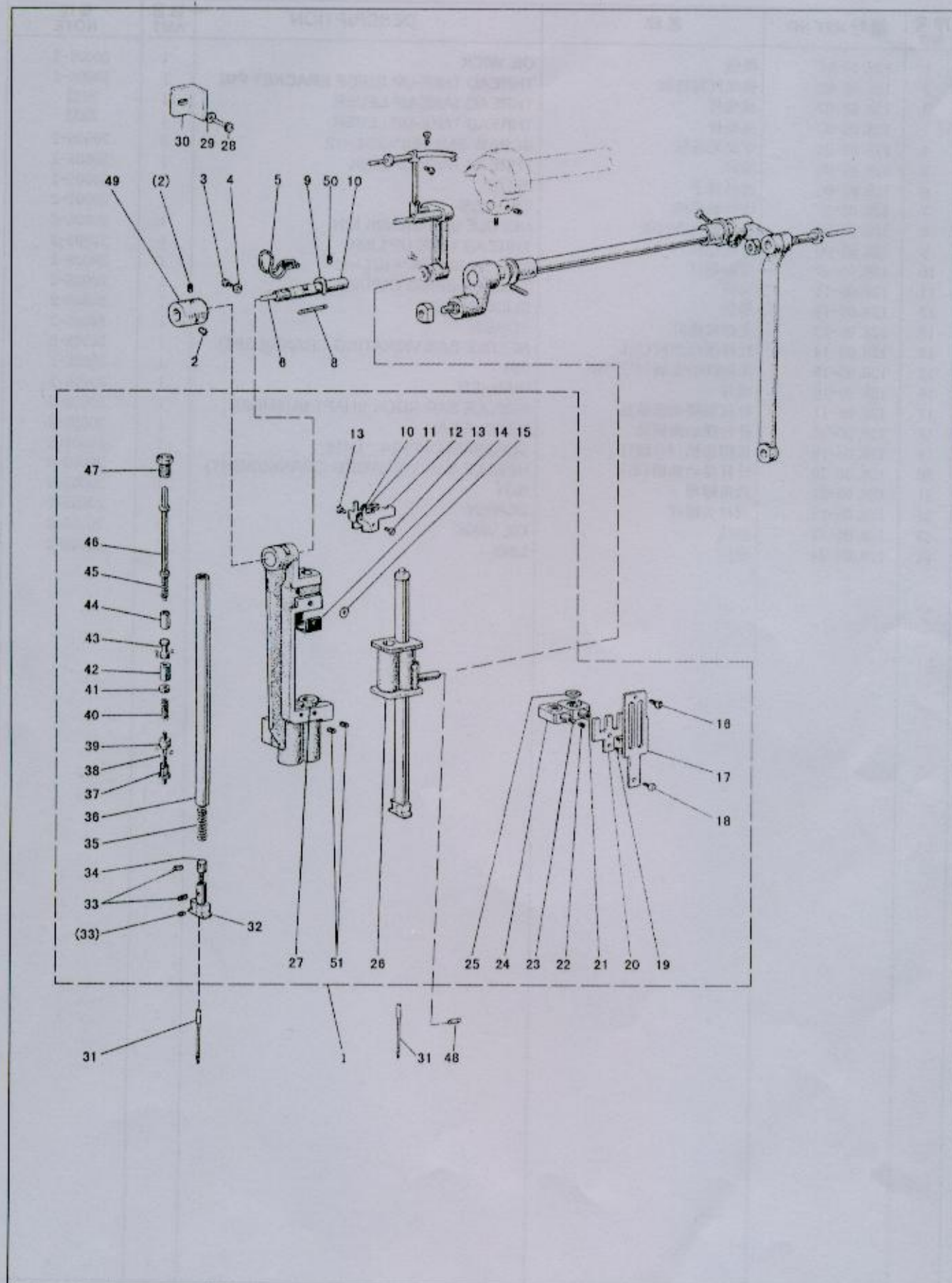
5. 针杆挑线部件 THREAD TAKE-UP LEVER NEEDLE BAR ROCK MOTION MECHANIS



5. 针杆挑线部件 THREAD TAKE-UP LEVER NEEDLE BAR ROCK MOTION MECHANIS

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	128.05-01	油线	OIL WICK	1	2000S-2
2	128.05-02	挑线杆铰链轴	THREAD TAKE-UP GUIDE BRACKET PIN	1	2000S-2
3	128.05-03	挑线杆	THREAD TAKE-UP LEVER	1	2M型
	128.05-03	挑线杆	THREAD TAKE-UP LEVER	1	2B型
4	128.05-04	主动轮螺钉	SCREW SM15/64"×28 L=12	3	2000S-2
5	128.05-05	滑杆	THREAD TAKE-UP LINK	1	2000S-2
6	128.05-06	滑杆塞子	PLUG	1	2000S-2
7	128.05-07	连杆轴棉线	OIL WICK	1	2000S-2
8	128.05-08	挑线曲柄连杆轴	NEEDLE BAR CRANK PIN	1	2000S-2
9	128.05-09	挑线连杆	THREAD TAKE-UP LINK	1	2000S-2
10	128.05-10	压脚螺钉	SCREW SM9/64"×40 L=11	1	2000S-2
11	128.05-11	套筒	TAKE-UP SPING GUIDE	1	2000S-2
12	128.05-12	滑块	SLIDE BLOCK	1	2000S-2
13	128.05-13	支撑轴螺钉	SCREW	1	2000S-2
14	128.05-14	针杆摆动曲柄(左)	NEEDLE BAR VIBRATING CRANK(LEFT)	1	2000S-2
15	128.05-15	压脚摆动曲柄(左)锥销	PIN	1	2000S-2
16	128.05-16	垫片	WASHER	1	2000S-2
17	128.05-17	针杆架摆动轴轴套	NEEDLE BAR ROCK SHAFT BUSHING	1	2000S-2
18	128.05-18	针杆摆动曲柄轴	NEEDLE BAR	1	2000S-2
19	128.05-19	压脚曲柄(右)螺钉	SCREW SM1/4"×24 L=16	1	2000S-2
20	128.05-20	针杆摆动曲柄(右)	NEEDLE BAR VIBRATING CRANK(RIGHT)	1	2000S-2
21	128.05-21	六角螺母	NUT	1	2000S-2
22	128.05-22	圆柱头螺钉	SCREW	1	2000S-2
23	128.05-23	油线	OIL WICK	1	2000S-2
24	128.05-24	连杆	LINK	1	2000S-2

6-1针杆机构部件 NEEDLE BAR MECHANISM

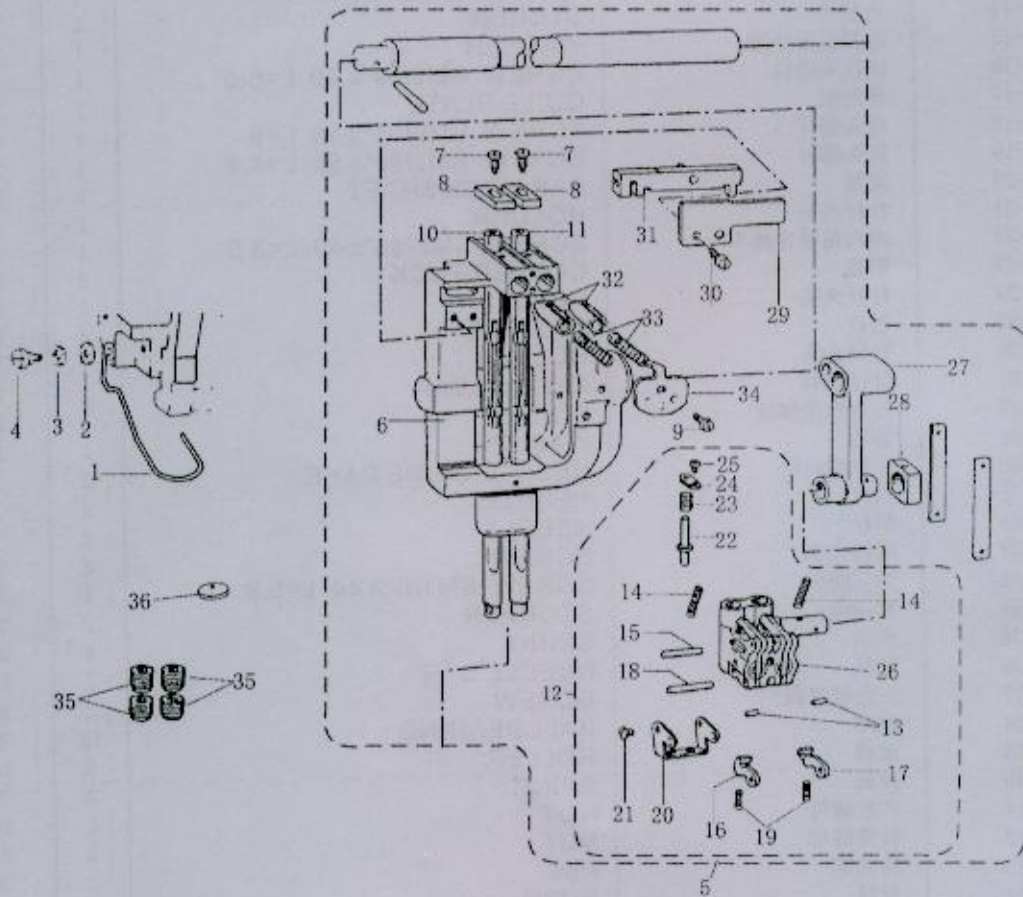


6-1针杆机构部件 NEEDLE BAR MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	128.06-01	针杆支架组件	NEEDLE BAR ROCK SHAFT ASSY	1	2000S-2
2	128.06-02	送布轴轴套螺钉	SCREW SM15/64"x28 L=4.5	2	2000S-2
3	128.06-03	螺钉	SCREW SM9/64"x40 L=6	1	2000S-2
4	128.06-04	板簧	BPING	1	2000S-2
5	128.06-05	油线	OIL WICK	1	2000S-2
6	128.06-06	油线	OIL WICK	1	2000S-2
7	128.06-07	针杆支架	NEEDLE BAR ROCK SHAFT	1	2000S-2
8	128.06-08	弹簧销	SPRING PIN	1	2000S-2
9	128.06-09	E型挡圈	RETAINING RING	1	2000S-2
10	128.06-10	变换曲柄轴	CHANGE OVER CRANK SHAFT	1	2000S-2
11	128.06-11	油管夹	HOLDER	1	2000S-2
12	128.06-12	油管夹	HOLDER	1	2000S-2
13	128.06-13	圆柱头螺钉	SCREW SM9/64"x 40 L=4	1	2000S-2
14	128.06-14	止动块	STOPPER	2	2000S-2
15	128.06-15	检测器架垫圈	WASHER	1	2000S-2
16	128.06-16	圆柱头螺钉	SCREW SM9/64"x 40 L=6.5	1	2000S-2
17	128.06-17	导向板	GUIDE PLATE	1	2000S-2
18	128.06-18	盘头螺钉	SCREW SM9/64"x 40 L=5	1	2000S-2
19	128.06-19	沉头螺钉	SCREW SM3/32"x 56 L=4.2	1	2000S-2
20	128.06-20	支架	BAR ROCK SHAFT	2	2000S-2
21	128.06-21	针杆夹头	HOLDER	1	2000S-2
22	128.06-22	内六角紧定螺钉	SCREW SM9/64"x 40 L=3.5	1	2000S-2
23	128.06-23	铜塞	COPPER TUCK	2	2000S-2
24	128.06-24	针杆夹头	HOLDER	1	2000S-2
25	128.06-25	垫片	WASHER	4	2000S-2
26	128.06-26	针杆夹头	HOLDER	1	2000S-2
27	128.06-27	针杆轴套	NEEDLE BAR	2	2000S-2
28	128.06-28	六角带槽螺栓	SCREW	1	2000S-2
29	128.06-29	垫片	WASHER	1	2000S-2
30	128.06-30	针杆导向块	NEEDLE GUIDE CAKE	2	2000S-2
31	128.06-31	机针	NEEDLE	2	2M型
32	130.06-31	机针	NEEDLE	2	2B型
33	130.06-32	机针夹头	SCREW	2	2000S-2
34	128.06-33	紧定螺钉	SCREW SM1/8"x 44 L=3.9	4	2000S-2
35	128.06-34	止动块	STOPPER	2	2000S-2
36	128.06-35	弹簧	SPRING	2	2000S-2
37	128.06-36	针杆	NEEDLE BAR	2	2000S-2
38	128.06-37	三角销螺栓	SCREW	2	2000S-2
39	128.06-38	钢球	BALL BEARING	12	2000S-2
40	128.06-39	滚筒	ROLLER	2	2000S-2
41	128.06-40	弹簧	SPRING	2	2000S-2
42	128.06-41	六角螺母	NUT	2	2000S-2
43	128.06-42	特殊螺母	NUT	2	2000S-2
44	128.06-43	特殊销	PIN	2	2000S-2
45	128.06-44	套筒	BUSH	2	2000S-2
46	128.06-45	弹簧	SPRING	2	2000S-2
47	128.06-46	阶梯销	BUSH	2	2000S-2
48	128.06-47	特殊螺钉	SCREW	1	2000S-2
49	128.06-48	羊毛毡	FELT	1	2B型
50	128.06-49	套筒	BUSH	1	2000S-2

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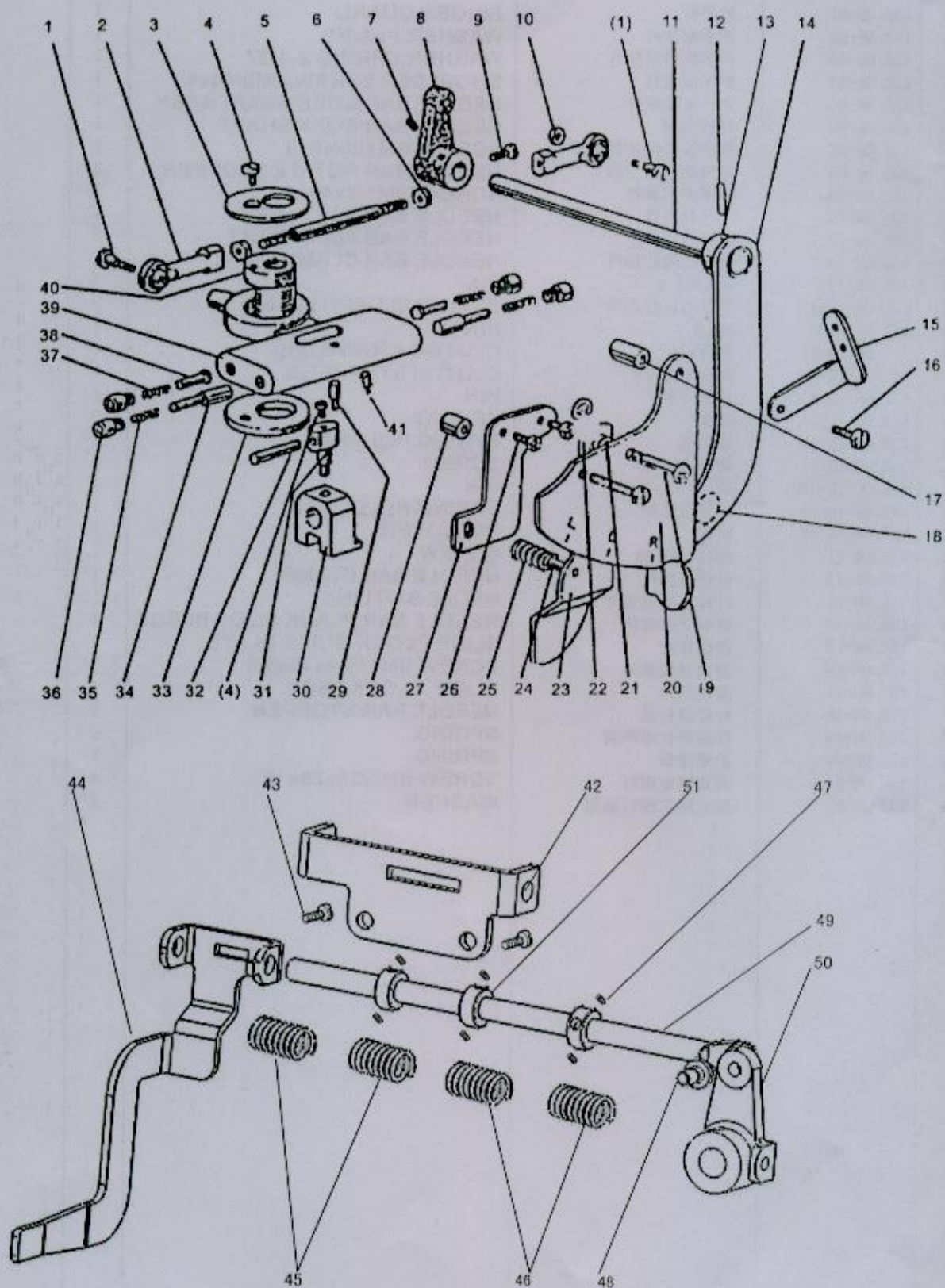
6-2针杆机构部件 (2000X-2专用) NEEDLE BAR MECHANISM



6-2针杆机构部件 (2000X-2专用) NEEDLE BAR MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	132.06-01	护手板	FINGER GUARD	1	
2	132.06-02	护手板垫片	WASHER, PLAIN 5	1	
3	132.06-03	护手板弹簧垫片	WASHER, SPRING 2-4.37	1	
4	132.06-04	护手板螺钉	SHOULDER SCREW, SM9/64x40	1	
5	132.06-05	针杆支架组件	NEEDLE BAR ROCK SHAFT ASSY	1	
6	132.06-06	针杆支架	NEEDLE BAR ROCK SHAFT	1	
7	132.06-07	针杆旋梭限位器螺钉	SCREW SM1/8x40x5	2	
8	132.06-08	针杆旋梭限位器	NEEDLE BAR ROTATE STOPPER	2	
9	132.06-09	护罩弹簧螺钉	SCREW SM1/8x40x5	1	
10	132.06-10	左针杆组件	NEEDLE BAR ASSY LEFT	1	
11	132.06-10-1	右针杆组件	NEEDLE BAR ASSY RIGHT	1	
12	132.06-10-2	针杆连接柱组件	NEEDLE BAR CLAMP ASSY	1	
13	132.06-10-3	销1.5x5.8	PIN	2	
14	132.06-10-4	离合器杠杆弹簧	SPRING CLUTCH LEVER	2	
15	132.06-10-5	销2x5.8	PIN	1	
16	132.06-10-6	离合限位器 (L)	CLUTCH STOPPER (L)	1	
17	132.06-10-7	离合限位器®	CLUTCH STOPPER®	1	
18	132.06-10-8	销2x17.8	PIN	1	
19	132.06-10-9	弹簧	SPRING	2	
20	132.06-10-10	弹簧柄	SPRING HOLDER	1	
21	132.06-10-11	螺钉SM2.38	SCREW	2	
22	132.06-10-12	销	PIN	1	
23	132.06-10-13	松线销弹簧	SPRING RELEASE PIN	1	
24	132.06-10-14	销盖	PIN COVER	1	
25	132.06-11	螺钉SM2.38	SCREW	1	
26	132.06-12	针杆连接柱	NEEDLE BAR CLAMP	1	
27	132.06-13	针杆曲柄连接杆	NEEDLE BAR LINK	1	
28	132.06-14	针杆支架滑块	NEEDLE BAR PLANK SLIDE BLOCK	1	
29	132.06-15	滑块导板	SLIDE BLOCK GUIDE PLATE	1	
30	132.06-16	滑块导板螺钉	SCREW SM11/64x40x8.5	2	
31	132.06-17	滑块组件	SLIDE BLOCK ASSY	1	
32	132.06-18	针杆限位器	NEEDLE BAR STOPPER	2	
33	132.06-19	针杆限位器弹簧	SPRING	2	
34	132.06-20	护罩弹簧	SPRING	1	
35	132.06-21	筒式固定螺钉	SCREW SM5/16x28x10	4	
36	132.06-22	筒式固定螺钉垫圈	WASHER	2	

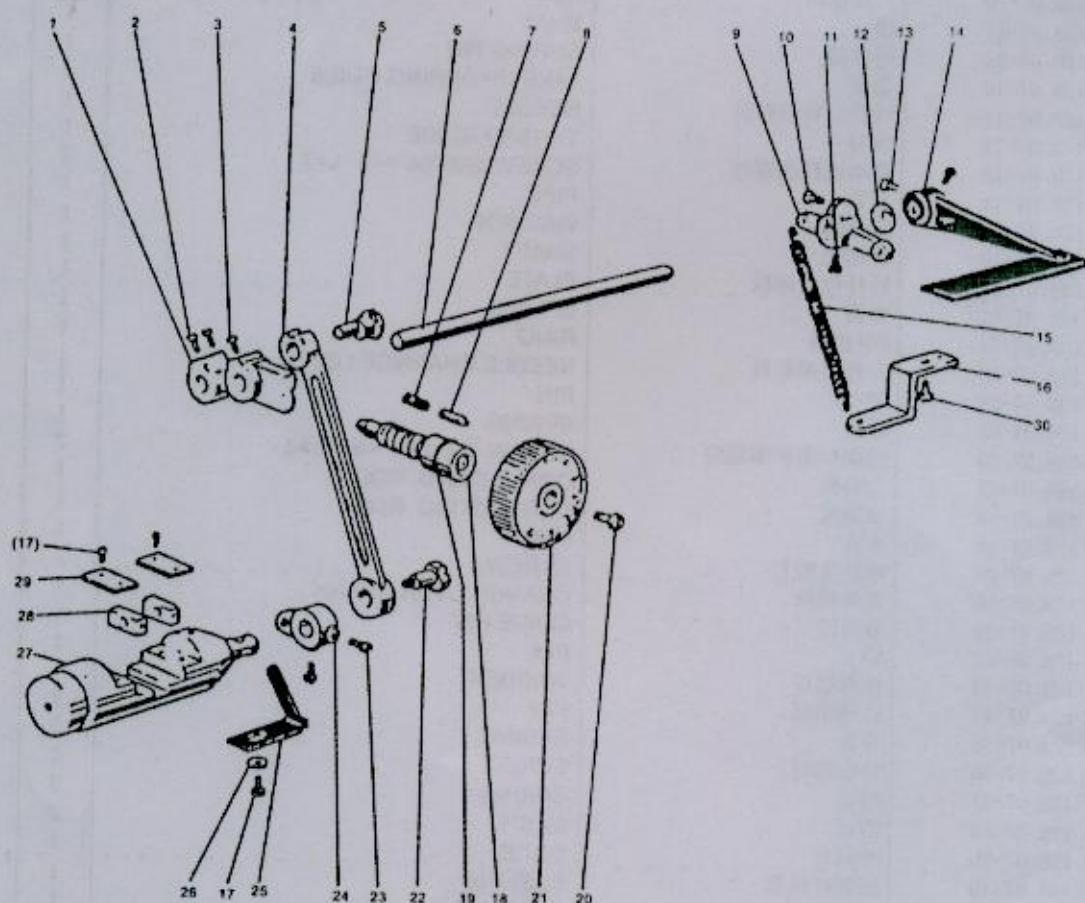
7. 针杆变换机构部件 NEEDLE BAR CONTROL MECHANISM



7. 针杆变换机构部件 NEEDLE BAR CONTROL MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	128.07-01	销螺钉	SCREW	2	2000X-2
2	128.07-02	方向拉杆	CONNECTION LINK	2	2000X-2
3	128.07-03	盖板	COVER	1	2000X-2
4	128.07-04	偏心连杆轴螺钉	SCREW SM9/64"×40 L=6.5	2	2000X-2
5	128.07-05	双头螺杆	SCREW	1	2000X-2
6	128.07-06	螺母	NUT	1	2000X-2
7	128.07-07	三眼线勾螺钉	SCREW SM11/64"×40 L=5.5	1	2000-2
8	128.07-08	连杆曲柄	HINGE CRANK	1	2000-2
9	128.07-09	内六角紧定螺钉	SCREW SM15/64"×28 L=8	1	2000-2
10	128.07-10	六角螺母	NUT	2	2000X-2
11	128.07-11	轴	SHAFT	1	2000-2
12	128.07-12	弹性销	SHRIMP PIN	1	2000-2
13	128.07-13	套筒	TAKE-UP SPRING GUIDE	1	2000-2
14	128.07-14	针杆位置控制杆	NEEDLE	1	2000-2
15	128.07-15	线勾	THRSAD GUIDE	1	2000-2
16	128.07-16	摆动连杆座螺钉	SCREW SM9/64"×40 L=7	2	2000-2
17	128.07-17	短管	PIPE	1	2000-2
18	128.07-18	阶梯销	WASHER	1	2000-2
19	128.07-19	阶梯轴	SHAFT	1	2000-2
20	128.07-20	针杆位置标板	PLATE	1	2000-2
21	128.07-21	弹簧	SPRING	1	2000-2
22	128.07-22	E型挡圈	RING	1	2000-2
23	128.07-23	针杆变换杠杆	NEEDLE CHARGE LEVER	1	2000-2
24	128.07-24	销	PIN	1	2000-2
25	128.07-25	弹簧	SPRING	1	2000-2
26	128.07-26	挑线杆防护罩螺钉	SCREW SM11/64"×40 L=8	2	2000-2
27	128.07-27	安装板	CONNECTING ROD	1	2000S-2
28	128.07-28	短管	CONNECTING ROD	1	2000S-2
29	128.07-29	圆柱头螺钉	PIPE	1	2000S-2
30	128.07-30	变换曲柄	SCREW	1	2000S-2
31	128.07-31	导向销	CHANGE OVER CRANK	1	2000S-2
32	128.07-32	销	GUIDE PIN	1	2000S-2
33	128.07-33	特殊垫片	PIN	1	2000S-2
34	128.07-34	特殊销钉	WASHER	1	2000S-2
35	128.07-35	弹簧	PIN	2	2000S-2
36	128.07-36	特殊螺钉	SPRING	2	2000S-2
37	128.07-37	弹簧	SCREW	4	2000S-2
38	128.07-38	销钉	SPRING	2	2000S-2
39	128.07-39	导向台	BUSH	2	2000S-2
40	128.07-40	压紧杆轴套	GUIDE	1	2000S-2
41	128.07-41	止动销	BUSHING	1	2000S-2
42	128.07-42	滑动轴板	STOPPER PIN	1	2000X-2
43	128.07-43	螺钉	SLIDING AXLE PLATE	1	2000X-2
44	128.07-42	滑动轴助动板	CREW M5x8	2	2000X-2
45	135.06-09	弹簧	SLIDING SHAFT SUPPORT PLATE	1	2000X-2
46	135.06-04	弹簧	SPRING	2	2000X-2
47	128.07-47	挡圈螺钉	SPRING	2	2000X-2
48	135.06-11	滑动轴螺钉	SCREW SM9/64"×40x3.5	5	2000X-2
49	128.07-43	滑动轴	SCREW	1	2000X-2
50	128.07-08	杠杆轴臂	SLIDING SHAFT	1	2000X-2
51	135.06-10	挡圈	LEVER SHAFT ARM	1	2000X-2
			RETAINING RING	3	2000X-2

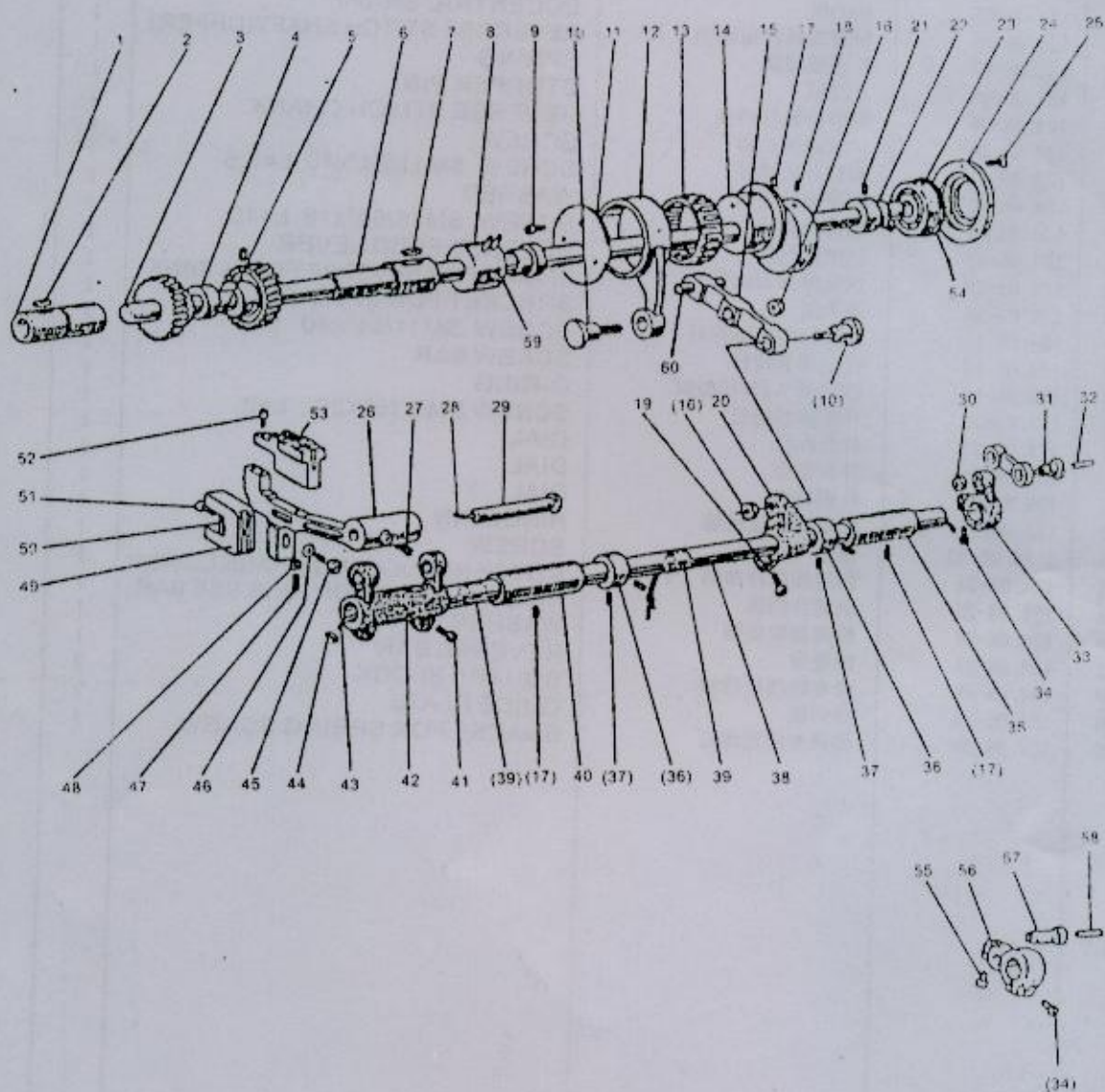
8. 针距调节部件 STITCH REGULATOR MECHANISM



8. 针距调节部件 STITCH REGULATOR MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	124.08-01	针距调节摆杆	FEED REGULATOR COMPLETE	1	
2	124.08-02	倒缝操纵杆螺钉	SCREW SM15/64 "X 28 L=10	2	
3	124.08-03	圆柱头螺钉	SCRFW	1	
4	124.08-04	连杆	CONNECTING LINK	1	
5	124.08-05	偏心轴	ECCENTRIC SHAFT	1	
6	128.06-06	倒缝操纵杆短轴轴 (上)	REVERRSE STITCH SHAFT(UPPER)	1	
7	124.08-07	针距按钮簧	SPRING	1	
8	124.08-08	止动销	STOPPER PIN	1	
9	124.08-09	倒缝操纵杆曲柄	REVERSE STITCH CRANK	1	
10	124.08-10	拉簧操纵曲柄	SCREW	1	
11	124.08-11	圆柱并头螺钉	SCREW SM11/64"x40 L=8.5	1	
12	124.08-12	倒缝操纵杆垫圈	WASHER	2	
13	124.08-13	限位块螺钉	SCREW SM15/64"x18 L=10	1	
14	124.08-14	倒缝操纵杆	REVERSE FEED LEVER	1	
15	124.08-15	倒缝操纵曲柄弹簧	SPRING FOR REVERSE FEED CRANK	1	
16	124.08-16	弹簧架	BRACKET FOR SPRING	5	
17	124.08-17	挑线杆防护罩螺钉	SCREW SM11/64"x40 L=8	1	
18	124.08-18	针距调节螺杆	SCREW BAR	1	
19	124.08-19	针距调节螺杆O型圈	O-RING	1	
20	124.08-20	针距标盘螺钉	SCREW SM3/16"X28 L=8	1	1M型
21	124.08-21	针距标盘	DIAL	1	B型
	126.08-21	针距标盘	DIAL	1	2M型
	128.08-21	针距标盘	DIAL	1	
22	124.08-22	针距连杆铰链轴	HINGE PIN	1	
23	124.08-23	螺钉	SCREW	1	
24	124.08-24	倒缝操纵杆曲柄 (下)	STITCH REGULATING CRANK LOWER	1	
25	124.08-25	倒缝台挡板	HOLDING PLATE FOR REVERSE BAR	1	
26	124.08-26	检测器架垫圈	WASHER	1	
27	124.08-27	倒缝台	REVERSE BAR	2	
28	124.08-28	送布轴连杆滑块	SQUARE BLOCK	2	
29	124.08-29	导向板	GUIDE PLATE	1	
30	124.08-30	弹簧架固定螺钉	BRACKF FOR SPRING SCREW	1	

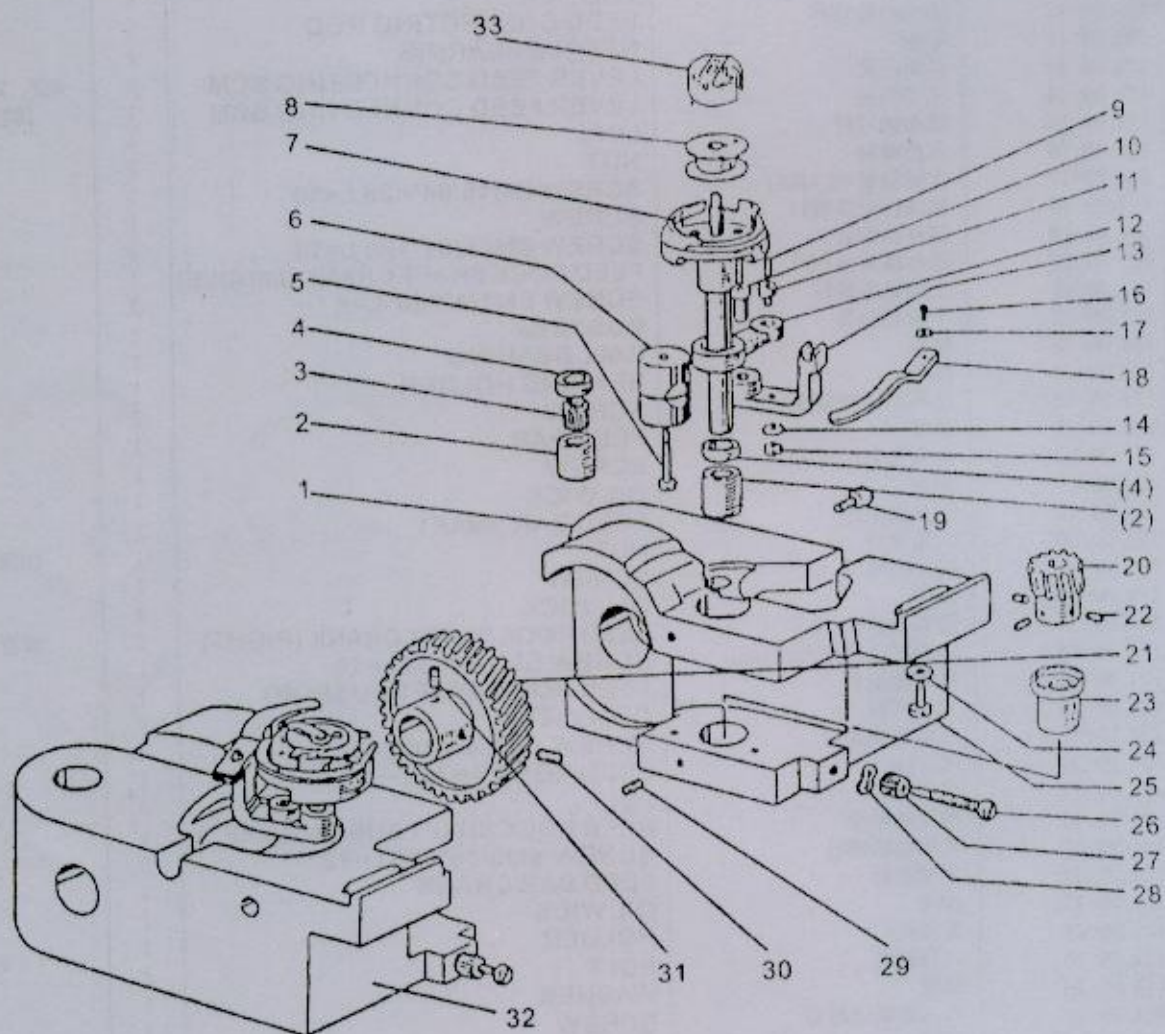
9. 下轴、送布轴部件 LOWER SHAFT AND FEED ROCK SHAFT MECHANISM



9. 下轴、送布轴部件 LOWER SHAFT AND FEED ROCK SHAFT MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	124.09-01	下轴轴套(左)	LOWER SHAFT BUSHING(LEFT)	1	
2	124.09-02	油线	OIL WICK	1	
3	124.09-03	下轴	LOWER SHAFT	1	
4	124.09-04	抬牙凸轮	LOWER LIFTING CAM	1	
5	124.09-05	紧定螺钉	SCREW SM1/4"×40 L=5	1	
6	124.09-06	下轴轴套(右)	LOWER SHAFT BUSHING(RIGHT)	1	
7	124.09-07	油线	OIL WICK	1	
8	124.09-08	下轴轴套(中)	LOWER SHAFT BUSHING(MIDDLE)	1	
9	124.09-09	短轴端盖螺钉	SCREW	3	
10	124.09-10	轴位螺钉	SCREW	2	
11	124.09-11	垫片	WASHER	1	
12	124.09-12	送布凸轮连杆	FEED CONNECTING ROD	1	
13	124.09-13	轴承	NEEDLE BEARING	1	
14	124.09-14	送布凸轮	LEVER FEED CONNECTING SCM	1	M型、2B型
	124.09-14	送布凸轮	LEVER FEED CONNECTING SCM	1	1B型
15	124.09-15	送布轴连杆	LINK	1	
16	124.09-16	六角螺母	NUT	2	
17	124.09-17	上轴轴套(中)螺钉	SCREW SM15/64"×28 L=10	3	
18	124.09-18	挑线杆定位螺钉	SCREW	1	
19	124.09-19	圆柱头螺钉	SCREW SM15/64"×28 L=14	1	
20	124.09-20	送布轴曲柄(中)	FEED ROCK SHAFT CRANK (MIDDLE)	1	
21	124.09-21	上轴紧圈螺钉	SCREW SM1/4"×40 L=8	2	
22	124.09-22	下轴右轴套	BUSHING	1	
23	124.09-23	轴承	BALL BEARING	1	
24	124.09-24	挡板	BEARING HOLDER	1	
25	124.09-25	送布凸轮垫圈螺钉	SCREW	3	
26	124.09-26	牙架	FEED BAR	1	
27	124.09-27	内六角紧定螺钉	SCREW	1	
28	124.09-28	油线	OIL WICK	1	
29	124.09-29	牙架曲柄轴	FEED BAR SHAFT	1	
30	124.09-30	六角螺母	NUT	1	1M型
31	124.09-31	圆柱头螺钉	SCREW	1	
32	124.09-32	油线	OIL WICK	1	
33	124.09-33	送布轴曲柄(右)	FEED ROCK SHAFT CRANK (RIGHT)	1	1M型
34	124.09-34	压脚摆动曲柄(右)螺钉	SCREW SM1/4"×24 L=16	1	
35	124.09-35	送布轴轴套	FEED ROCK SHAFT BUSHING	1	
36	124.09-36	上轴紧圈	COLLAR	2	
37	124.09-37	上轴紧圈螺钉	SCREW SM1/4"×40 L=8	4	
38	124.09-38	送布轴	FEED ROCK SHAFT	1	
39	124.09-39	羊毛毡	FELT	2	
40	124.09-40	抬牙轴轴套	FEED ROCK SHAFT BUSHING(LEFT)	1	
41	124.09-41	牙架曲柄螺钉	SCREW SM3/16"×28 L=12	2	
42	124.09-42	牙架曲柄	FEED BAR CRANK	1	
43	124.09-43	油线	OIL WICK	1	
44	124.09-44	毛线夹	HOLDER	1	
45	124.09-45	六角螺栓	BOLT	1	
46	124.09-46	垫圈	WASHER	1	
47	124.09-47	内六角紧定螺钉	SCREW	1	
48	124.09-48	螺母	NUT	1	
49	124.09-49	抬牙曲柄叉	FEED BAR CONNECTING FORK	1	
50	124.09-50	羊毛毡	OIL WICK	1	
51	124.09-51	圆柱头螺钉	SCREW SM1/8"×44 L=4	1	
52	124.09-52	内六角螺栓	BOLT SM1/8"×40 L=7	2	
53	124.09-53	送布牙1/4	FEED DOG 1/4	1	M型
	124.09-53	送布牙1/5	FEED DOG 1/5	1	B型
54	124.09-54	止动环	STOPPER RING	1	
55	124.09-55	牙架曲柄螺钉	SCREW SM3/16"×28 L=15	1	2000S-2
56	124.09-56	送布曲柄	FEED BAR CONNECTING FORK	1	2000S-2
57	124.09-57	销	PIN	1	2000S-2
58	124.09-58	滑杆棉线	OIL WICK	1	2000S-2
59	124.09-59	油管接头	OIL RUBD JOINT	3	
60	124.09-60	送布连杆轴	FEED ROCKER SHAFT	1	

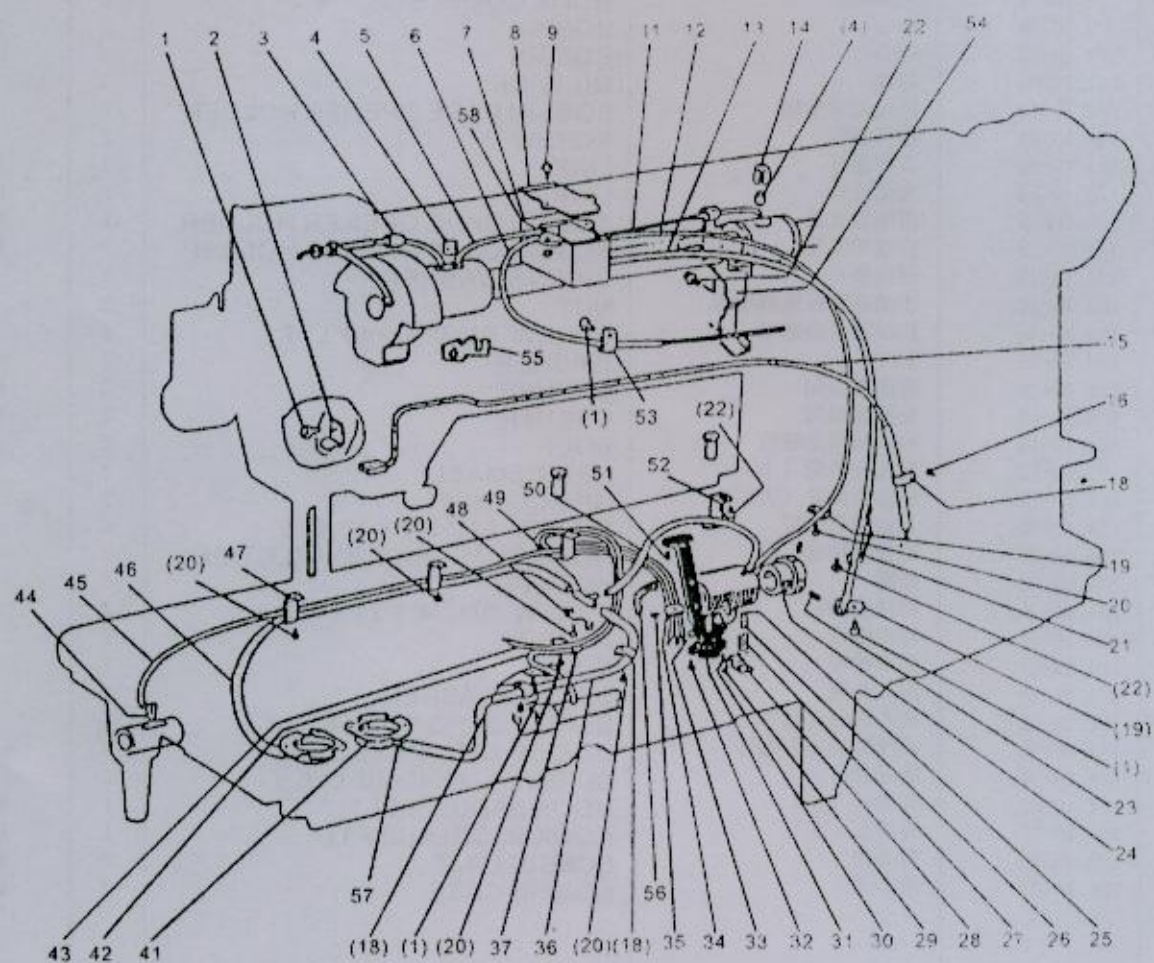
10. 旋梭台部件 HOOK SADDLE MECHANISM



10. 旋梭台部件 HOOK SADDLE MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	124.10-01	旋梭台(右)	HOOK SADDLE(RIGHT)	1	M型
	124.10-01	旋梭台(右)	HOOK SADDLE(RIGHT)	1	B型
2	124.10-02	旋梭轴轴套(上)	HOOK SHAFT BUSHING(UPPER)	2	1M型
	126.10-02	旋梭轴轴套(上)	HOOK SHAFT BUSHING(UPPER)	2	B型
	126.10-02	旋梭轴轴套(上)	HOOK SHAFT BUSHING(UPPER)	2	2B型
3	124.10-03	轴承	NEEDLE BEARING	2	1M型
4	124.10-04	垫片	WASHER	2	M型
	126.10-04	垫片	WASHER	2	B型
5	124.10-05	圆柱头螺钉	SCREW SM15/64"×28 L=30	2	
6	124.10-06	旋梭台锁紧轴套	HOOK SADDLE BUSHING	2	
7	124.10-07	旋梭组件	HOOK COMPLETE	2	1M型
	124.10-07	旋梭组件	HOOK COMPLETE	2	B型
	124.10-07	旋梭组件	HOOK COMPLETE	2	2B型
	124.10-07	旋梭组件	HOOK COMPLETE	2	
8	124.10-08	梭心	BOBBIN	2	M型
	124.10-08	梭心	BOBBIN	2	B型
9	124.10-09	油线	OIL WICK	2	
10	124.10-10	拨线勾支架轴	BOBBIN CASE OPENFR HOLDER	2	
11	124.10-11	特殊螺钉	SCREW	2	
12	124.10-12	支架连杆	LINK	2	M型
	126.10-12	支架连杆	LINK	2	B型
13	124.10-13	拨线勾支架	BOBBIN CASE OPENER HOLDER	1	M型
	126.10-13	拨线勾支架	BOBBIN CASE OPENER HOLDER	2	B型
14	124.10-14	弹簧垫片	SPRING WASHER	2	
15	124.10-15	牙架连杆铰链轴螺母	NUT	2	
16	124.10-16	摆动连杆座螺钉	SCREW SM9/64"×40 L=7	2	
17	124.10-17	垫片	WASHER	2	
18	124.10-18	旋梭拨线勾	OPENER	2	M型
	126.10-18	旋梭拨线勾	OPENER	2	B型
19	124.10-19	内六角紧定螺栓	BOLT	2	
20	124.10-20	旋梭台齿轮(小)	GEAR(SMALL)	2	
21	124.10-21	旋梭台齿轮(大)	GEAR(LARGE)	2	
22	124.10-22	上轴紧定螺母	SCREW SM11/4"×40 L=8	6	
23	124.10-23	旋梭轴轴套(下)	HOOK SHAFT BUSHING(LOWER)	2	
24	124.10-24	垫片	WASHER	2	
25	124.10-25	圆柱头螺钉	SCREW SM1/4"×24 L=19.5	2	
26	124.10-26	特殊螺钉	SCREW	2	
27	124.10-27	封套螺母	NUT	2	
28	124.10-28	波形垫圈	SPRING WASHER	2	
29	124.10-29	送布轴轴套螺钉	SCREW SM15/64"×28 L=4.5	4	
30	124.10-30	挑线面固定位螺钉	SCREW SM1/4"×40 L=6	2	
31	124.10-31	紧定螺钉	SCREW SM1/4"×40 L=6.5	2	
32	124.10-32	旋梭台(左)	HOOK SADDLE(LEFT)	1	M型
	126.10-32	旋梭台(左)	HOOK SADDLE(LEFT)	1	B型
33	130.10-33	梭心壳	BOBBIN CASE	2	B型
	128.10-33	梭心壳	BOBBIN CASE	2	M型

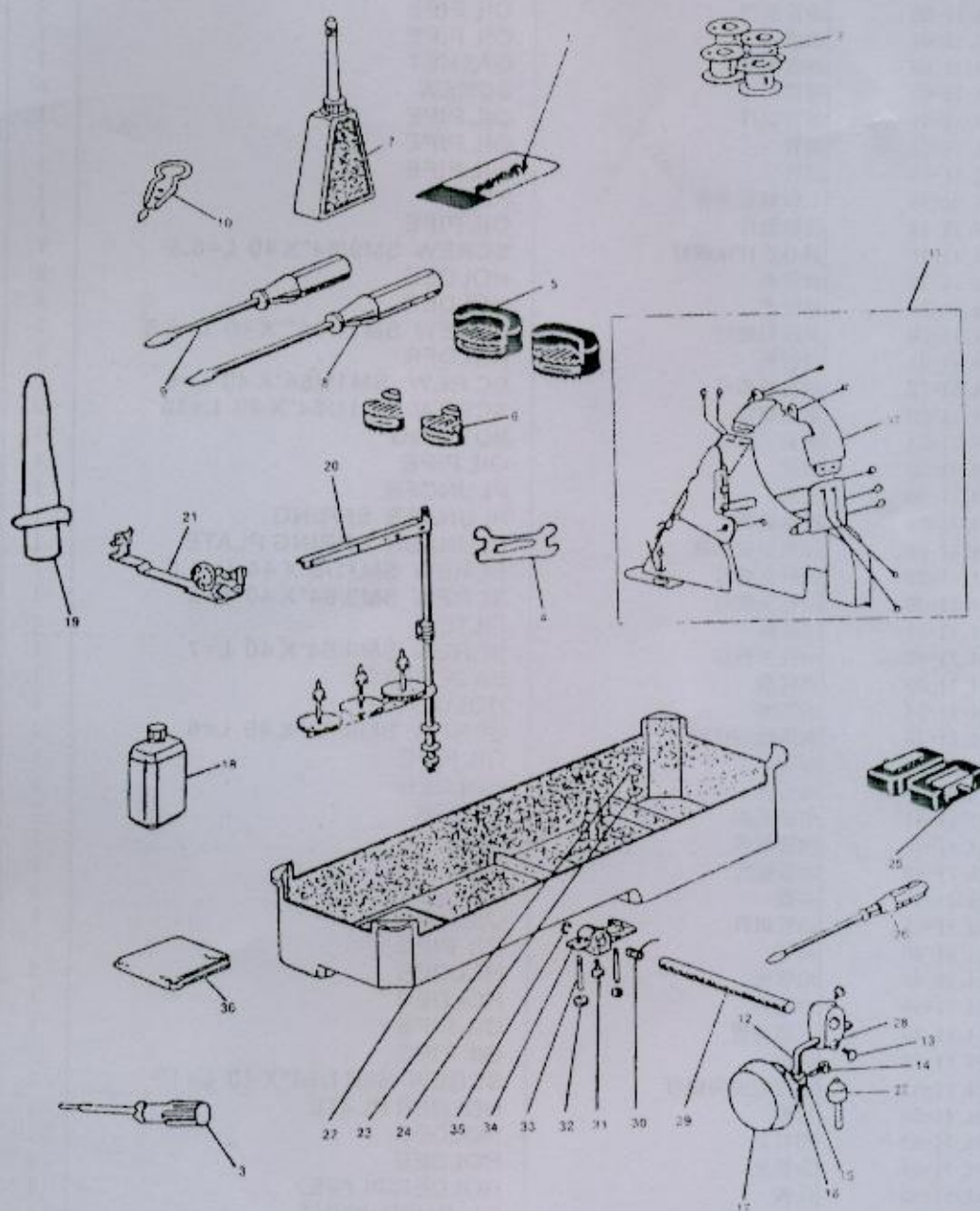
11. 供油部件 OIL LUBRICATION MECHANISM



11. 供油部件 OIL LUBRICATION MECHANISM

序号 NO.	图号 REF NO.	名称	DESCRIPTION	数量 AMT	备注 NOTE
1	124.11-01	挑线杆防护罩螺钉	SCREW SM11/64"X 40 L=8	4	
2	124.11-02	油管夹	HOLDER	1	
3	124.11-03	橡胶管	PIPE	1	
4	124.11-04	羊毛毡	FELT	2	
5	124.11-05	油管组件	OIL PIPE	1	
6	124.11-06	油管组件	OIL PIPE	1	
7	124.11-07	油盒	OIL PIPE	1	
8	124.11-08	油盒垫片	GASKET	1	
9	124.11-09	螺钉	SCREW	2	
11	124.11-11	油管组件	OIL PIPE	1	2000S-2
12	124.11-12	油管	OIL PIPE	1	
13	124.11-13	油管	OIL PIPE	1	
14	124.11-14	上轴轴套油管	PIPE	1	2000S-2
15	124.11-15	油管组件	OIL PIPE	1	
16	124.11-16	偏心连杆轴螺钉	SCREW SM9/64"X 40 L=6.5	7	
18	124.11-18	油管夹	HOLDER	2	
19	124.11-19	油管夹	HOLDER	2	
20	124.11-20	火线勾螺钉	SCREW SM11/64"X 40 L=5.5	7	
21	124.11-21	油管夹	HOLDER	1	
22	124.11-22	后盖板螺钉	SCREW SM11/64"X 40 L=6	3	
23	124.11-23	紧固螺钉	SCREW SM11/64"X 40 L=10	2	
24	124.11-24	铜套	BUSHING	1	
25	124.11-25	油管	OIL PIPE	1	
26	124.11-26	柱塞	PLUNGFR	1	
27	124.11-27	柱塞弹簧	PLUNAER SPRING	1	
28	124.11-28	柱塞弹簧挡板	PLUNAER SPRING PLATE	1	
29	124.11-29	圆柱头螺钉	SCREW SM11/8"X 44 L=4.8	1	
30	124.11-30	圆柱头螺钉	SCREW SM9/64"X 40 L=5	1	
31	124.11-31	过滤板	FILTER	1	
32	124.11-32	圆柱头螺钉	SCREW SM9/64"X 40 L=7	1	
33	124.11-33	油管板	BASE PLATE	1	
34	124.11-34	油管夹	HOLDER	1	
35	124.11-35	面板线勾螺钉	SCREW SM9/64"X 40 L=6	1	
36	124.11-36	油管	OIL PIPE	1	
37	124.11-37	油管夹	HOLDER	1	
41	124.11-41	供油管盖	COVER	2	
42	124.11-42	油管组件	OIL PIPE	1	
43	124.11-43	油管组件	OIL PIPE	1	
44	124.11-44	油线	OIL WICK	3	
45	124.11-45	油管组件	OIL PIPE	1	
46	124.11-46	油管	OIL PIPE	1	
47	124.11-47	油管夹	HOLDER	3	
48	124.11-48	油管夹	HOLDER	1	
49	124.11-49	三通油管	OIL PIPE	1	
50	124.11-50	油管	OIL PIPE	1	
51	124.11-51	旋接定位勾螺钉	SCREW SM11/64"X 40 L=10	2	
52	124.11-52	压板	HOLDER PLATE	1	
53	124.11-53	塑料夹	HOLDER	1	
54	124.11-54	油管夹	HOLDER	1	
55	124.11-55	压板	HOLDER PLATE	1	
56	124.11-56	油管接头	OIL RUBD JOINT	1	
57	124.11-57	油管接头	OIL RUBD JOINT	2	
58	124.11-58	油盒盖	OIL PIPE	1	

12. 附件 ACCESSORIES



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