

**GEM0718/0818/0302 SERIES  
HEAVY DUTY TOP  
AND BOTTOM FEED  
LOCKSTITCH MACHINE  
上下同步送料缝纫机**

**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要阅读本使用说明书。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 retirement in advance while the design of the sparepart has to be changed.

## 目录 CONTENTS

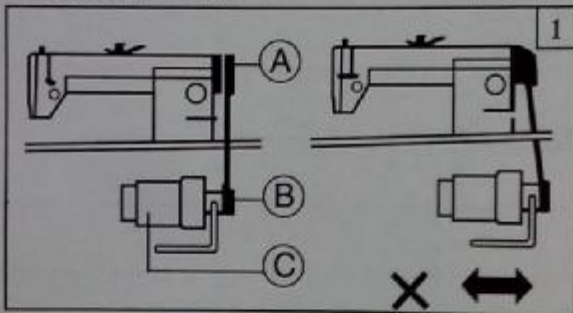
1、使用说明 INSTRUCTIONS FOR OPERATION.....	1
2、机壳部件 ARM BED AND IT'S ACCESSORIES.....	10
3、针杆挑线、上轴竖轴部件 NEEDLE BAR AND TAKE-UP, ARM SHAFT AND VERTICAL SHAFT MECHANISM.....	12
4、针距调节部件 STITCH LENGTH REGULATING MECHANISM.....	14
5、送布部件 FEEDING AND FEED LIFTING MECHANISM.....	16
6、压脚部件 PRESSER LIFTING MECHANISM.....	18
7、压脚提升、送料部件 PRESSER LIFTING、FEEDING MECHANISM.....	20
8、油泵部件 LUBRICATION MECHANISM.....	22
9、油盘及附件 OIL RESERVIOR AND OTHER ACCESSORIES.....	24
10、附件 ACCESSORIES.....	26
11、绕线器 BOBBIN WINDER MECHANISM.....	28
12、双过线架 THREAD-RUNNING RACK.....	30

# 使用说明 Instructions For Operation

## 1. 主要技术规格 MAIN SPECIFICATIONS

1) 缝料 Sewing material:	人造革或厚牛仔 Leatheroid or thick jean		
2) 缝速 Max. sewing speed:	2000spm		
3) 针距 Stitch length:	0-8mm		
4) 针杆行程 Needle bar stroke:	35mm		
5) 压脚提升 Presser foot lift:	手动 by hand	6mm	膝控 by knee 13mm
6) 机针 Needle:	DPX17 22#		
7) 供油方式 Lubrication	全自动供油 Automatic		
8) 倒缝装置 Reverse feeding mechanism:	有 Have		

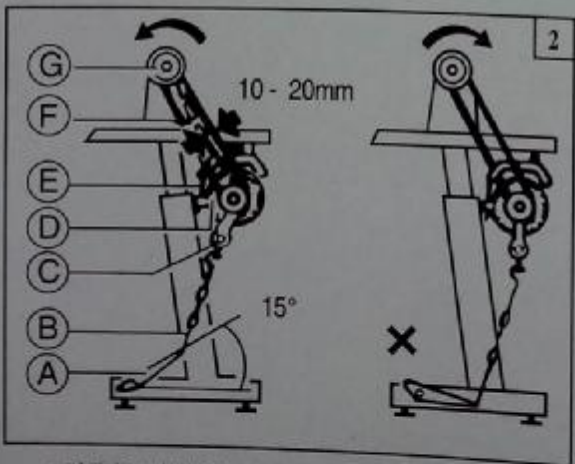
## 2. 安装电机 (图1) INSTALL THE MOTOR (Fig.1)



将电动机C左右移动,使缝纫机主动轮槽A与电动机皮带轮槽B的位置调整成一直线即可。

Align Motor Pulley Groove (B) and Balance Wheel Groove (A) by moving the motor leftward or rightward.

## 3. 脚踏板与离合器拉杆连接 (图2) CONNECT THE CLUTCH LEVER WITH THE PEDAL (Fig.2)



1. 脚踏板A安装的倾斜度应与地面以15°为宜。
2. 调整电动机离合器,使缝纫机拉杆B与离合器拉杆C如图连成一直线,可使机器运转平稳,寿命延长。
3. 缝纫机转动方向,从机头主动轮外侧看,应是逆时针方向。

针方向。电动机的转向应一致。电动机转向可用电动机上的电源插头换转180。调整转向。

4.0 型皮带F的张力调整,由电动机移动上下位置来达到F皮带张力的的大小可用手指将皮带按下,使皮带如图示弯曲10-20毫米程度即可。

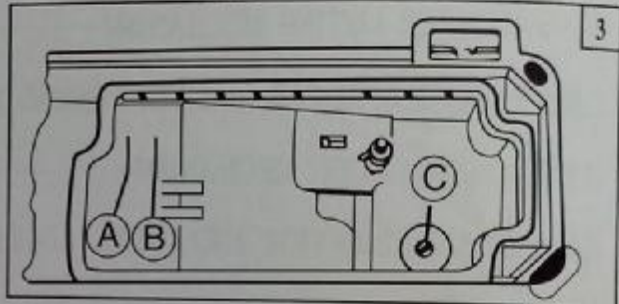
1) The optimum tilt angle of Pedal (A) is approximately 15 deg.

2) Adjust Clutch Cover (D) so that Clutch-Lever (C) and Draw Bar (B) run in line.

3) The balance wheel should rotate counter-clock-wise when viewed from the outside of Balance Wheel (G). The direction of the motor pulley rotation can be reversed by reversing (turning over 180 deg.) the power plug of the motor.

4) Adjust the tension of V-belt (F) by turning Motor Vertical Position Screw (E). The proper tension of the V-belt is a slack of 10-20mm when the belt is depressed at the center of the belt by finger.

## 4. 操作准备和润滑 (图3) PREPARATION AND LUBRICATION (Fig.3)



### (1) 拭擦机器

机头装箱前为了防止机件生锈,各部分均涂有较厚的防锈油脂,同时机头装箱后,还可能在较长的贮藏和长途运输阶段造成油脂硬化和积聚在机器表面的灰尘,所以必须将表面的油脂和灰尘用汽油和洁净的软布拭擦干净。

### (2) 检查

机器出厂时,虽经过周密的检查和试验,但在长途运输中也可能受到强烈的振动使机件松动或歪曲,所以应该作一次周密的检查,并用手转动主动轮,看机件之间有无转动困难,碰撞现象或其它不均匀的阻力,不正常的声响如有应作适当的调整,机器情况正常后才可正式试车。

### (3) 加油

#### 1) 油量

油量必须按油盘内标记加注。图中标记 A 是油量最高位。B 是油量最低位。注意油量不得低于标记 B,否则缝纫机各部位就会出现进油停止,造成发热咬死等情况。

#### 2) 加油

必须使用特定18#高速缝纫机油,使用前油量加至标记A。

#### 3) 换油

- ① 旋下放油螺钉C,排净废油。
- ② 扫清油盘污尘,旋紧放油螺钉C,加注新油

### 1) Cleaning the machine

Before leaving the factory, the machine parts are coated with rust-preventive grease, which may be hardened and contaminated by dust during storage and shipment. This grease must be removed with gasoline.

## 2) Examination

Though every machine is confirmed by strict inspection and test before leaving the factory, the machine parts may be loose or deformed after long distance transportation with jolt. Although examination must be performed after cleaning the machine. Turn the balance wheel to see if there is running obstruction, parts collision, uneven resistance or abnormal noise. If these exist, adjustment must be made accordingly before run-in operation.

## 3) Oiling

### (1) Required amount of oil

Line (A) on the oil reservoir: Max. oil level.

Line (B) on the oil reservoir: Min. oil level.

If oil level goes down under Line (B), oil cannot be distributed to each part of the machine, thus causing the parts a seizure.

### (2) Replacing oil

Always use only No.18 special machine oil for high speed sewing. Be sure to replenish oil to Line (A) before starting operation.

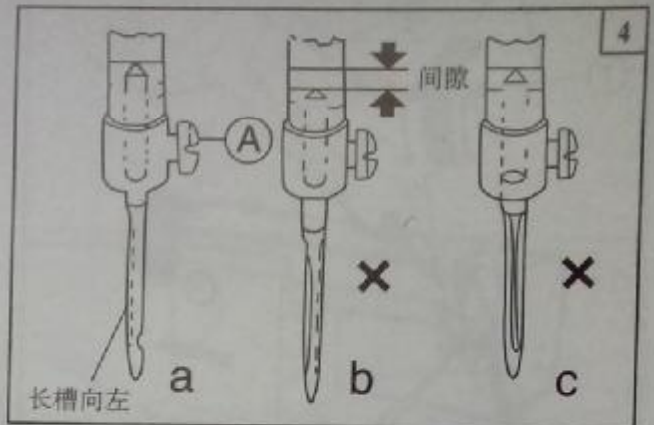
### (3) Replacing oil

To replace oil, remove Screw (C) to drain oil. After completely draining off oil, clean the oil reservoir and securely tighten Screw (C), then fill the reservoir with fresh oil.

## 5. 安装机针 (图4) REPLACE NEEDLES (Fig. 4)

转动上轮, 使机针上升到最高位置, 旋松夹针螺钉A, 将机针的长槽朝向操作者的左面, 然后把针柄插入针杆下部的针孔内, 使其碰到针杆孔的底部为止, 再旋紧夹针螺钉A固定机针即可。

注意: 如图b所示, 机针没有碰到针杆孔的底部, 如图c所示针槽方向面对操作者, 都是错误的。

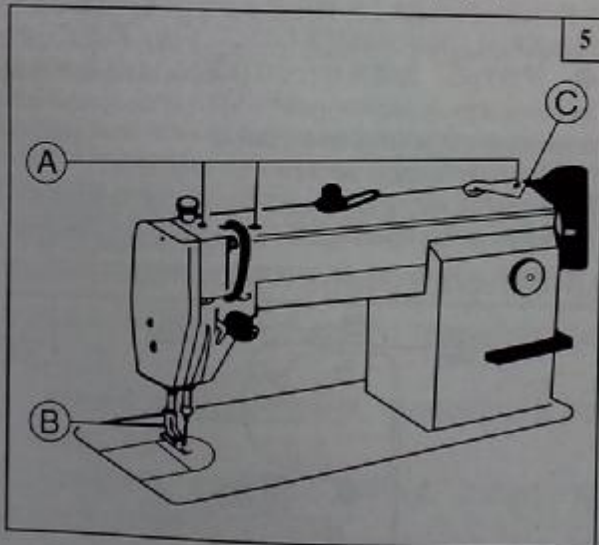


Turn the balance wheel to lift needle bar to the upper end of its stroke. Loosen Needle Clamp Screw A. While keeping the long groove of the needle leftward fully insert the needle shank up to the bottom of the needle socket. Then tighten Needle Clamp Screw A.

Note: Fig.(b): insufficient insertion.

Fig.(c): wrong direction of long groove.

## 6. 试车 (图5) RUN-IN OPERATION (Fig. 5)



新机器在开始使用和长期搁置重新使用时, 先卸下机头上部的橡皮塞, 充分加油, 然后起起压脚进行低速运转1000-1500针/分, 并观察油窗C喷油情况, 润滑正常后, 仍须保持低速30分钟运转试验, 以后逐渐提高缝纫速度, 经过一个月左右的使用, 使机器充分磨合。然后根据工作的性质再提高到2000针/分。

Run-in operation is required for a new sewing machine, or a sewing machine left out of operation for a considerable length of time.

1) Remove Red Rubber Plugs (A) on the top of the arm and replenish sufficient amount of oil.

2) Lift Presser Foot (B).

3) Run the machine at a low speed (1000-1500spm) to check oil distributing condition through Oil Check Window (C).

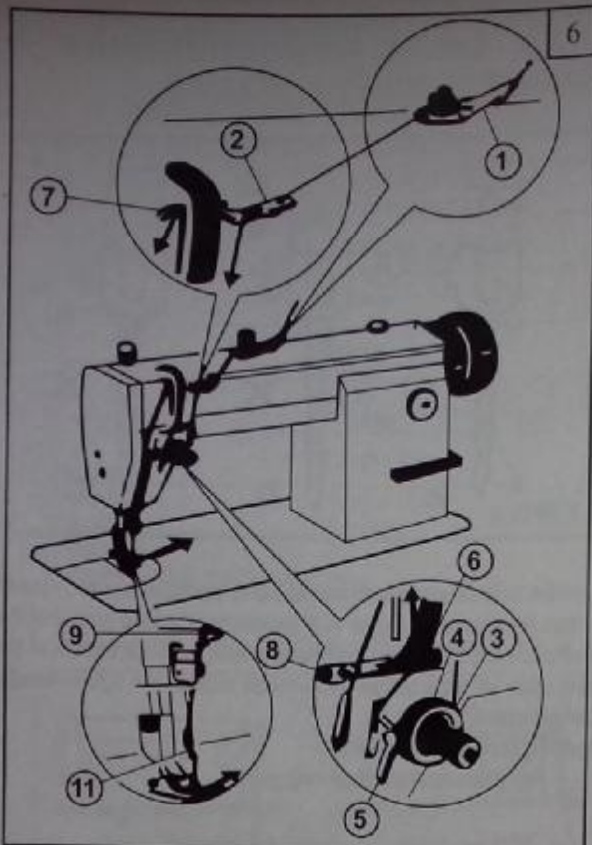
4) Perform run-in operation at 1000-1500spm for 30 minutes. After a lapse of one month of service during which the working speed is increased gradually and the machine runs sufficiently well, the high speed 2000spm can be adopted according to the nature of the work.

## 7. 穿线 (图6) THREADING (Fig. 6)

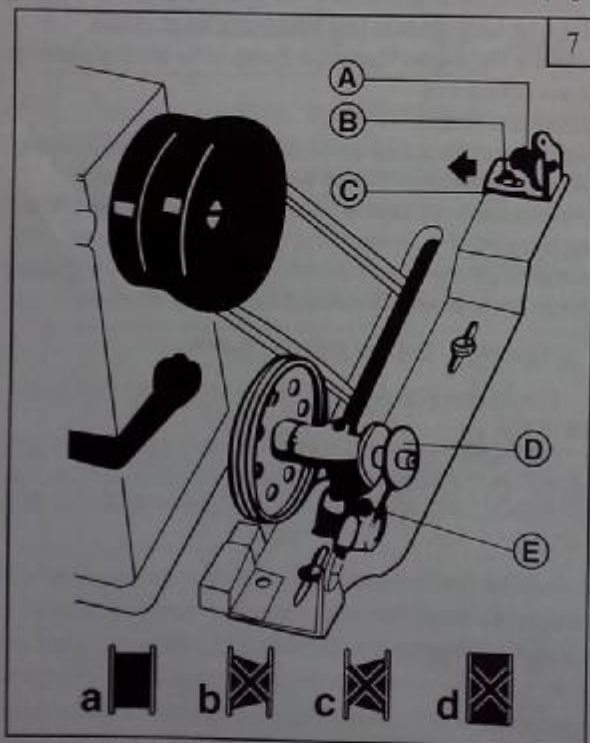
穿面线时针杆应在最高位置, 然后由线架上引出线头按顺序穿线。

引底线时, 先将面线头捏住, 转动主动轮使针杆向下运动, 再回升到最高位置, 然后拉起捏住的面线线头, 底线即被牵引上来。最后将底、面二根线头一起置于压脚下前方。

To thread the needle thread, raise needle bar to the upper end of its stroke, lead the thread from spool and perform threading as shown in Fig. 6. To draw the bobbin thread, hold the end of the needle thread and turn the balance wheel to lower the needle bar and then to lift it to its highest position. Pull the needle thread and the bobbin thread is drawn up. Put the ends of needle thread and bobbin thread frontward under presser foot.



8. 绕线调节 (图7) WINDING ADJUSTMENT (Fig.7)



梭心线应排列整齐而紧密。如松浮不紧，可以加大过线架夹线板A的压力。如排列不齐，则要移动过线C的位置进行调整。调整时，先松开过线架螺钉B，单边绕线成图b时，向右移动过线架，单边绕线成图c时，向左移动过线架，自动排列整齐成图a后，在紧固之。

梭心线不要绕得过满，否则容易散落。适当的绕线量为平等绕线至梭心外径的80%。绕线量由满线跳板上的满线度调节螺钉E加以调节。

1) The wound bobbin thread should be neat and tight, if not, adjust the winding tension by turning Tension Stud Nut(A) of bobbin winder tension bracket.

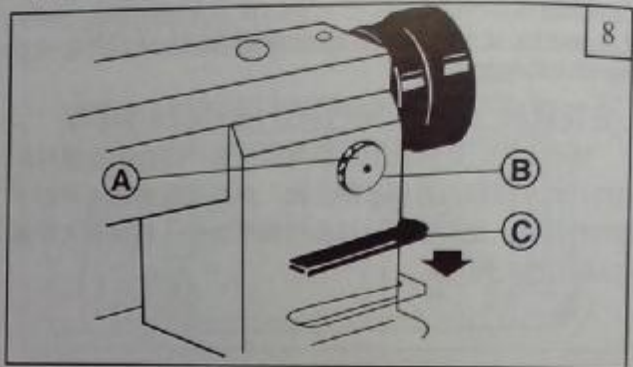
Note: nylon or polyester thread should be wound with little tension, otherwise, Bobbin(D) might break or deform.

2) When the wound thread layer does not present a cylindrical shape as shown in Fig.7(A) loosen Set Screw(B) of bobbin winder tension bracket and slide Bracket(C) leftward or rightward. If thread is wound as shown in Fig.7(B), move the bracket rightward, but if thread is wound as shown in Fig.7(C), move the bracket leftward.

After adequately positioning the bracket, tighten Set Screw(B).

3) Do not overfill the bobbin. The optimum length of thread will fill about 80% of bobbin capacity. This can be adjusted by Adjusting Screw(E) of bobbin winder stop latch.

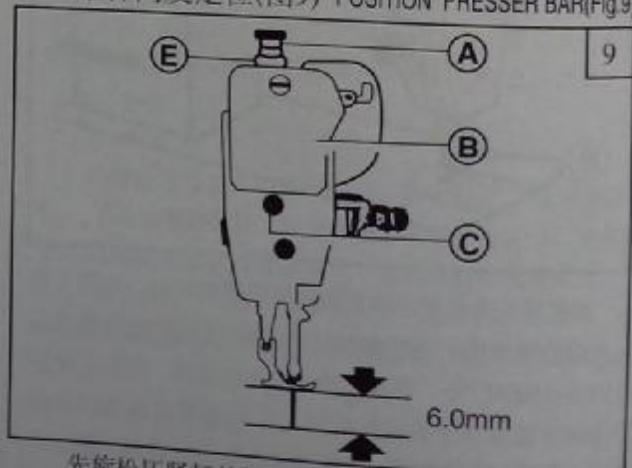
### 9. 针距、倒顺送料 (图8) SET STITCH LENGTH AND REVERSE FEEDING (Fig.8)



- 1) 针距的长短，可以用转动针距标盘A来调节。
- 2) 针距标盘A的平面B上的数字表示针距尺寸(单位为毫米)。
- 3) 倒向送料时，可以将倒缝操作杆C向下压，即能进行倒缝。手放松后，倒缝操作杆C自动复位，也恢复顺向送料。

- 1) Stitch length can be set by turning Dial(A).
- 2) The figures on Face(B) of dial show stitch length in mm.
- 3) Reverse feeding starts when Reverse Feed lever(C) is depressed, and the machine will feed forward again if Reverse Feed lever (C) is released.

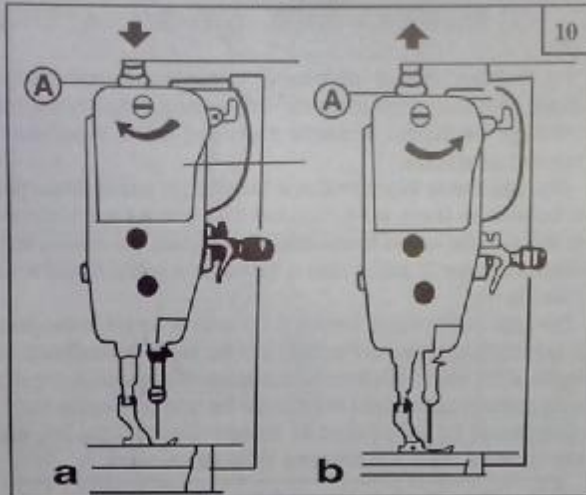
### 10. 压紧杆高度定位 (图9) POSITION PRESSER BAR (Fig.9)



先旋松压紧杆的调压螺钉锁紧螺母E，然后旋松调压螺钉A，卸下面板B的橡皮塞，旋松螺丝C，定出压紧杆的位置(压紧杆的正确定位)；在压脚上升最高时，针板面与压脚底面距离为6.0毫米，旋紧螺钉C，塞上橡皮塞，再旋紧压紧杆的调压螺钉A，然后旋紧调压螺钉锁紧螺母E，即成。

- 1) Loosen Lock Nut(E) and Pressure Regulating Thumb Screw(A).
- 2) Remove rubber plug from Face Plate(B).
- 3) Loosen Screw(C) and adjust the position of Presser Bar till the presser foot is 6 mm above the throat plate with the presser foot lifted to its highest.
- 4) Tighten Screw(C) and put in the rubber plug.
- 5) Tighten Pressure Regulating Thumb Screw(A) and Lock Nut(E).

### 11. 压脚压力调节 (图10) ADJUST THE PRESSURE OF PRESSER FOOT (Fig.10)



压脚的压力, 要根据缝料的厚度加以调节。首次旋松调压螺钉锁紧螺母A, 缝纫厚料时, 应加大压脚压力, 这时将机头顶部的调压螺钉按图a所示箭头方向转动, 反之, 缝纫薄料时, 可按图b所示的方向, 转动调压螺钉, 以减少压脚的压力。最后旋紧调压螺钉锁紧螺母A即成。

Pressure of presser foot is to be adjusted in accordance with thickness of materials to be sewn.

First loosen Lock Nut (A). For heavy materials, turn the pressure regulating thumb screw as shown in Fig.10(a) to increase the pressure, while for light materials, turn the pressure regulating thumb screw as shown in Fig.10(b) to decrease the pressure. Then tighten Lock Nut(A).

The pressure of presser foot is recommended to be less as long as normal feeding is ensured.

### 12. 缝线张力 (图11、12) ADJUST THREAD TENSION (Fig.11,12)

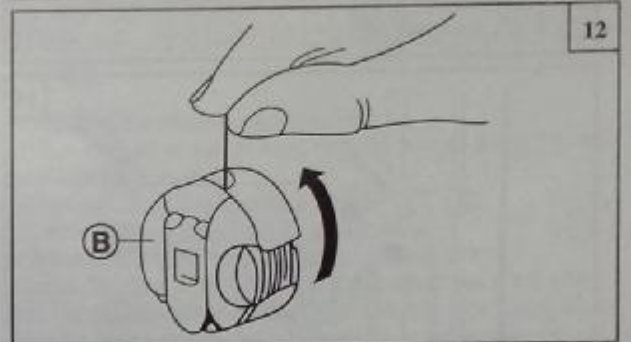
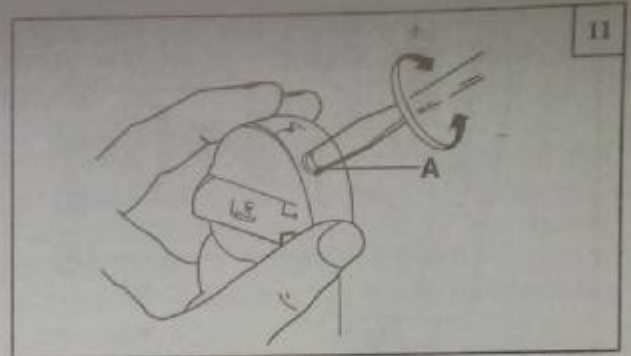
缝线的张力要根据缝料的差别, 缝线的粗细以及其他一些因素而变动。

实际使用中, 是依据缝出来的线迹, 来调整底、面线的张力, 使之得到正常的线迹。

底线张力调整, 只要用小号螺钉起子旋转梭心套上橡皮螺钉A加大或减少底线压力即可。

一般来说, 底线如采用60#棉线, 梭心装入梭心套后拉出缝线穿过梭心套线孔, 捏住线头吊起梭心套, 梭心套则能缓缓下落, 就可以使用。

面线张力以底线张力为基准, 面线张力调整, 主要变换夹线组件中挑线簧张力, 挑线簧摆动幅度, 夹线簧张力, 夹线板及线勾的位置等。



In principle, thread tension is to be adjusted in accordance with materials, thread and other factors.

In practice, thread tension is adjusted according to the stitches obtained. The needle thread tension should be adjusted with reference to the bobbin thread tension. Turn tension spring Regulating screw (A) of bobbin case clockwise for more tension, or turn the screw counter-clockwise for less tension. It is common practice to test the bobbin thread tension as shown in Fig.12. Hold the end of the thread from delivery eye. If the bobbin case is falling slowly, the proper tension is obtained. The needle thread tension can be adjusted by setting (1) the thread take-up spring tension, (2) the thread take-up spring stroke and (3) tension spring. All these adjustments will be described in the following.

### 13. 挑线簧调节 (图13、14) ADJUST THREAD TAKE-UP SPRING (Fig.13,14)

挑线簧摆动幅度为8-10毫米。缝纫薄的缝料(短针距), 则要减弱挑线簧的张力和放宽其摆动幅度, 缝制特别厚的缝料则反之。

#### 1. 挑线簧张力调节

先旋松夹线调节座螺钉A, 夹线螺钉B就能转动, 顺时针转动时, 张力增加, 反之则减少, 调节好后, 仍将夹线调节座螺钉A旋紧。

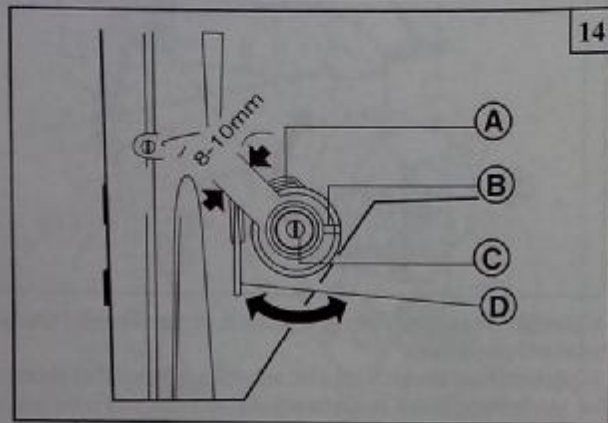
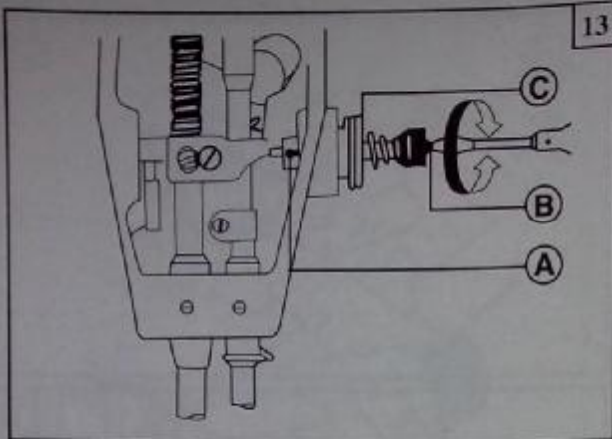
#### 控制方法:

松开夹线调节座螺钉A, 将夹线螺钉B, 逆时针转动, 使挑线簧C的张力压缩到0, 再把夹线螺钉B顺时针转动, 至挑线簧C触及夹线调节座上止动缺口, 然后夹线螺钉B再逆时针回转过二分之一转动角度即可。最后旋紧夹线调节座螺钉A。

#### 2. 挑线簧摆动幅度的调节(图14)

旋松夹线调节座固定螺钉B, 转动夹线器C, 调节其摆动幅度, 夹线器C顺时针转动, 摆动幅度增大, 反之则减少。调节好后, 将夹线调节座固定螺钉B旋紧。

通常, 机器在出厂前, 挑线簧均已调整妥善, 只是在缝制特殊的缝料或特殊的缝线时, 才需要重新进行调整。



1) Adjusting the thread take-up spring tension

Loosen Set Screw(A), turn Tension Stud(B) clockwise to increase the spring tension, or turn the stud counter-clockwise to decrease the spring tension. After the adjustment, be sure to tighten Set Screw(A). The thread take-up spring tension should be about 30g. To Attain this, first loosen Set Screw(A), turn Tension Stud (B) counter-clockwise to decrease the tension of Thread Take-up Spring(C) to zero, then turn Tension Stud(B) clockwise until Spring(C) comes to the notch of thread tension regulating bushing, and again turn Tension Stud(B) halfway back (counter-clockwise) After the adjustment, tighten Set Screw(A).

2) Adjusting the thread take-up spring stroke (Fig.14).

Loosen Set Screw(B), turn Stud(C) clockwise to increase the stroke or turn Stud(C) counter-clockwise to decrease the stroke. After the adjustment, tighten Set Screw(B).

Before leaving the factory, the thread take-up spring has properly been adjusted. Readjustment is, needed only in the case of special material or special thread.

14. 底面线张力调节 (图15、16) ADJUST THREAD GUIDE AND THREAD TENSION (Fig. 15,16)

线勾装置位置的调节, 关系到缝纫质量的优劣。线勾装配位置, 应适合缝料与缝纫条件。

The position of the thread guide affects stitch tightness and therefore must be adjusted according to sewing materials and sewing conditions.

	左侧 Leftward	中间 Center	右侧 rightward
线勾位置 Thread guide position			
缝料 Material weight	厚料 Heavy	中厚料 Medium	薄料 Light

缝料上的线迹应该如图a。如果线迹不正常, 会出现缝料起皱和断线现象, 应对底、面线的张力加以调节, 使之达到正常的线迹。

(1) 如果面线太紧, 底线太松, 则应逆时针旋转夹线螺母, 放松面线的压力, 或用小号螺钉起子, 旋紧梭皮螺钉, 加大底线压力。

(2) 如果面线太松, 底线太紧, 则应顺时针旋转夹线螺母, 以加大面线的压力或用小号螺钉起子, 旋松梭皮螺钉, 减小底线压力。

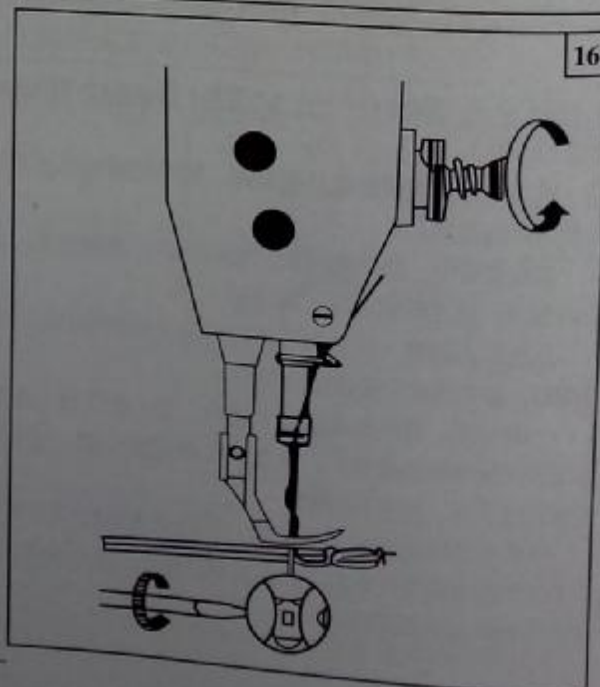
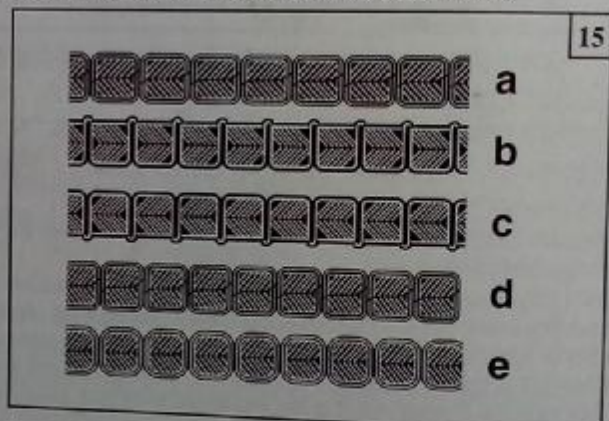
(3) 如出现图d、e 的线迹, 也可以参照上述方法加以调节。

Fig.15 shows different stitch forms. Normal stitch form should be as shown in Fig.15(a). When abnormal stitches cause puckering and thread breakage, the tension of needle thread and bobbin thread must be adjusted accordingly.

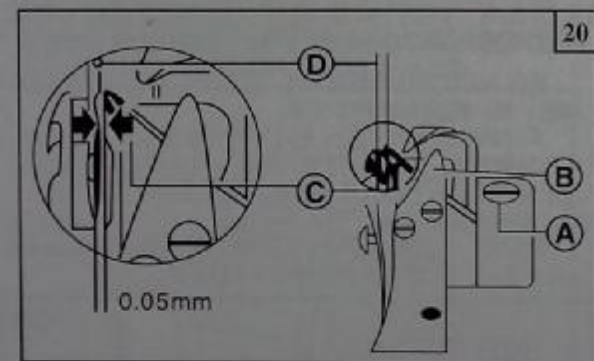
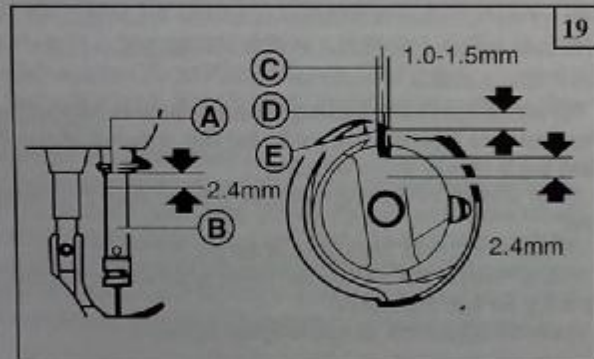
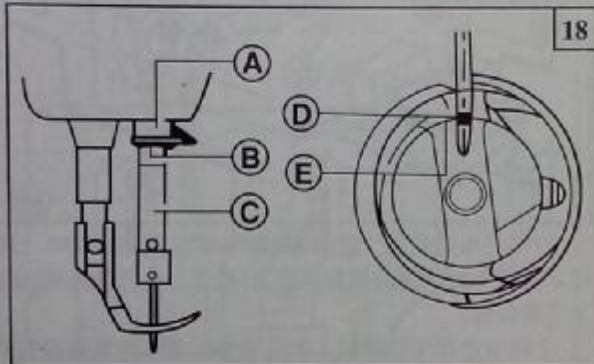
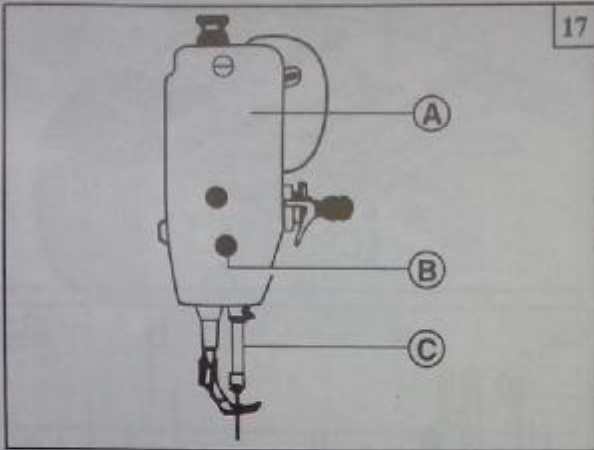
1) In case needle thread tension is too strong or bobbin thread tension is too weak, as shown in Fig.15(b), turn the thumb nut counterclockwise to decrease the needle thread tension, or tighten the tension spring regulating screw of bobbin case to increase the bobbin thread tension (See Fig.16)

2) In case needle thread tension is too weak or bobbin thread tension is too strong, as shown in Fig.15(c), turn the thumb nut clockwise to increase the needle thread tension, or loosen the tension spring regulating screw or bobbin case to decrease the bobbin thread tension.

3) In case of the stitch forms as shown in Fig.15 (d) and (e), adjustments can be made with reference to the above means.



15. 机针与旋梭同步调整 (图17、18、19、20) TIME  
NEEDLE TO ROTATING HOOK (Fig.17,18,19,20)



(1) 机针位置的调节:

用手转动主动轮, 使针杆c下降至最低位置, 卸下面板A上的橡皮塞, 旋松针杆C上的针杆接头螺钉B, 上下移动针杆C, 定出同步位置 (针杆的同步位置: 针杆下降至最低位置时, 针杆上的同步标记B与套筒A下端面成一

的位置, 这时机针线孔的中心 D与旋梭内面E也成一位置如图18所示的位置), 旋紧针杆接头螺钉B, 塞上橡皮塞即成。

(2) 旋梭同步的调节:

旋梭和机针之间的相互运动关系, 对缝纫性能的影响很大。标准的同步关系是: 当机针向下运动到最低位置后, 目测针杆的同步标记A的间距为2.4毫米, 把针杆B从最低位置上升2.4毫米。这时旋梭的钩线尖D应与现机针的中心线C一致, 在此位置时, 钩线尖D高于机针线孔E上边1.0-1.5毫米。

在调节旋梭的同步关系时, 还要注意到旋梭尖与机针的侧面间隙。机针D缺口的底部与旋梭钩线尖C的间隙为0.05毫米。

A.Adjusting the needle position(See Fig.17)

1)Turn balance wheel by hand to bring Needle Bar (C) to the lowest position of its stroke.

2)Remove rubber plug from Face Plate(A)

3)Loosen Set Screw(B)of needle bar adaptor.

4)Move Needle Bar(C)vertically to adjust needle timing.

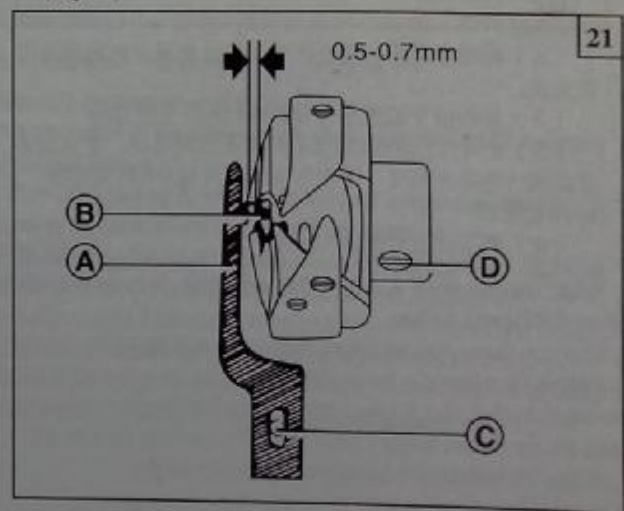
5)After the adjustment,tighten Set Screw(B)and put in the rubber plug.The standard needle timing (See Fig.18)is to align Timing Mark (B)on the needle bar and the bottom of Needle Bar Bushing (A) and mean while align the inner Surface (E)of the hook and the center of Needle Eye(D)when the needle bar gets down to its lowest position.

B.Adjusting the hook point timing

Timing of needle motion to rotating hook motion has a great effect on sewing performance.The standard hook point timing(See Fig.19)is to align Hook Point (D)and Needle Centerline(C) when Needle Bar (B) is lifted by 2.4mm from the lower end of its stroke.(2.4mm suitable for type B and type C). Besides, Hook Point (D) should be 1.0-1.5 mm above the upper end of needle eye (E).

When adjusting the hook point timing, also notice that the clearance between the bottom of needle notch and Hook Point (C) should be approx 0.05mm(See Fig.20)

16. 旋梭装卸 (图21) REPLACE ROTATING HOOK (Fig.21)

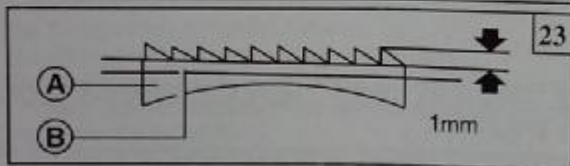
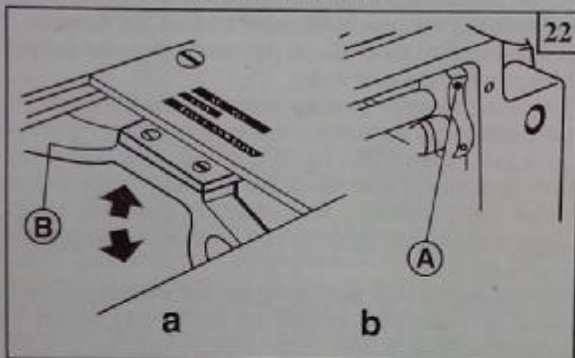




先将针杆上升到最高位置,拆下针板,取下机针和梭心套。旋开旋梭定位勾螺钉C,把旋梭定位勾A取下。再旋松旋梭螺钉D。在此位置如果取出旋梭,旋梭将会与牙架相碰,此时可以转动主动轮使牙架上升到最高位置。然后扭转旋梭过牙位置架,即能将旋梭很容易地取下。安装旋梭时,可以重复上述过程。注意:旋梭定位勾的安装位置应是旋梭定位勾A的勾尖侧面与机针B的侧面应成一致。其另外两侧面之间隙为0.5-0.7毫米。

- 1) Lift needle bar to the highest position of its stroke.
- 2) Remove throat plate, take down needle and bobbin case.
- 3) Loosen Screw (C) of hook positioner and take down Hook Positioner (A).
- 4) Loosen two Screw (D) of rotating hook
- 5) Turn balance wheel to raise feed bar to its highest position, then take down the rotating hook by turning it away from feed bar.
- 6) Installing the hook can be done in reverse sequence. Note that Needle (B) and the convex surface of Hook Positioner (A) should align with a clearance of 0.5-0.7mm between them.

### 17. 送布牙的调整 (图22、23) ADJUST THE HEIGHT OF FEED DOG (Fig.22,23)



(1) 转动主动轮,直至送布牙从针板面突出的最高位置为止。

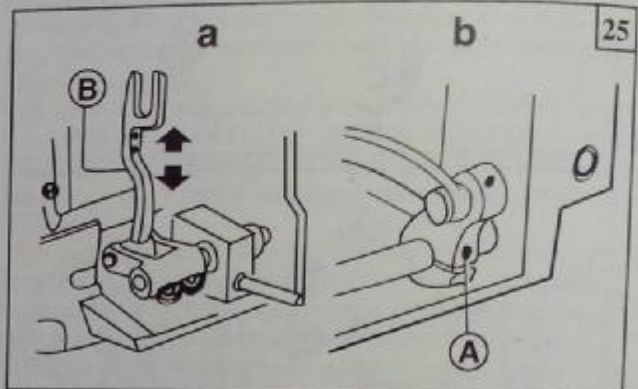
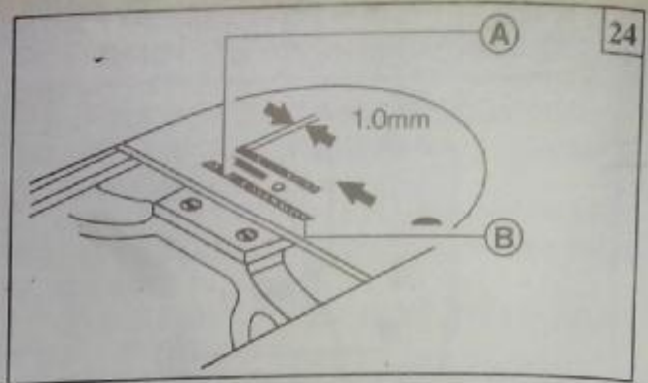
(2) 旋松抬牙轴曲柄(右)螺钉A。(图22b)

(3) 把牙架B按图22a所示的箭头方向移动,定出送布牙高度(送布牙高度:送布牙尖端至针板面B的间距为1mm见图23)

(4) 调节好后把螺钉A旋紧。

- 1) Turn balance wheel until feed dog is lifted to its highest position from throat plate surface.
- 2) Loosen Screw (A) of feed lifting rock shaft crank right (See Fig.22.b)
- 3) Move Feed Bar (B) in the direction shown by the arrow in Fig.22(a) to adjust the height of the feed dog. The standard height of feed dog is that the top of feed dog is 1.0mm above Throat Plate Surface (B).
- 4) After the adjustment, be sure to tighten Screw (A).

### 18. 送布牙安装 (图24、25) ADJUST THE POSITION OF FEED DOG (Fig. 24, 25)



1当送布量最大,送布牙A前端靠近板槽前侧时,送布牙前端与针板槽前侧的间距为1毫米,这是标准的送布牙安装位置。

2 调节送布牙位置时,先让送布运动至针板最前侧停止,然后旋松送布轴曲柄螺钉A(见图25b),将牙架E按图25a所示箭头方向移动,以调节其间隙位置,调节好后,再把螺钉A旋紧。

The standard position of feed dog is that the clearance between the front end of the throat plate slot and the first tooth of the fully advanced feed dog is 1mm, as shown in Fig.24.

- 1) Fully advance the feed dog toward the front end of the throat plate slot.
- 2) Loosen Feed Rock Shaft Crank Screw (A). See Fig. 25 (b).
- 3) Move Feed Bar (B) in the direction shown by the arrow in Fig.25(a) to adjust the feed dog position.
- 4) After the adjustment, be sure to tighten Screw (A).

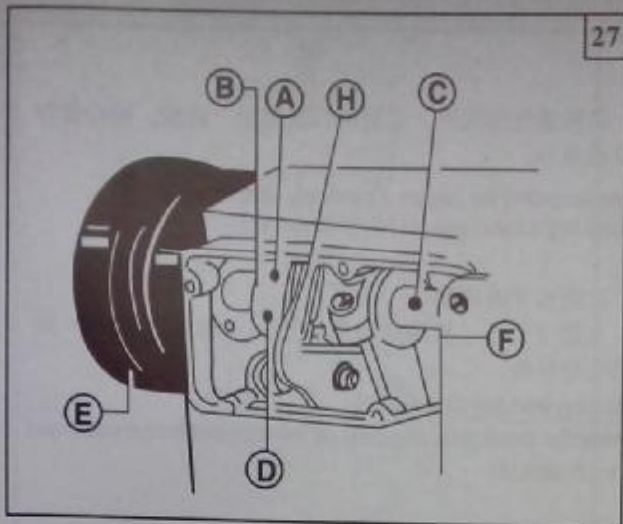
### 19. 送布牙与机针同步调节 (图26.27.28) TIME FEED MOTION TO NEEDLE MOTION (Fig.26,27,28)

机针A尖端到达针板面B时,送布牙C尖端与针板面B高低一致,此为标准同步关系。

不同步时的调节方法:先打开机壳后盖板F,旋松送布凸轮螺钉A、D,按住送布凸轮B,再缓缓转动主动轮,当上轴油孔C的上端与送布凸轮的基准孔G的下端一致时,即达到同步关系。

调节时,送布凸轮B与牙叉滑块H的间隙应为0.3-0.5mm。最后,旋紧送布凸轮螺钉A、D即可。





27

压脚在提升范围(2-7毫米),夹线器上的夹线板有一个张开期,挺线的时间可进行调节。调节时,先卸下机头背面的橡皮塞,用螺丝刀旋松膝控提升杠(左)螺钉A,这时松线凸轮可以左右移动,往右移挺线慢,往左移挺线快。

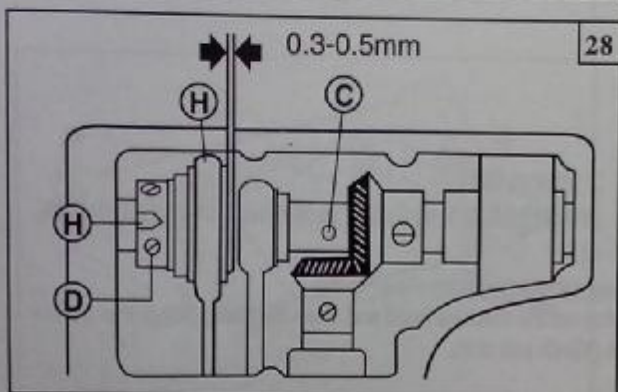
调节时,如有条件的话,在压脚下垫上一块与压脚提升高度尺寸相等的垫块,则调节时方便。

Within the presser foot lift range of 2-7mm opening time of the tension discs can be adjusted as follows:

1) Remove the rubber plug from the back of arm and loosen Screw (A) of knee lifter lever (left).

2) Move the tension releasing cam leftward for earlier opening or rightward for later opening. It will facilitate the adjustment to put under the presser foot a block as thick as the presser foot lift.

3) After the adjustment, fully tighten Screw (A).



28

The standard time of feed motion to needle motion is that the top of Feed Dog (C) is flush with Throat Plate Surface (B) when the point of Needle (A) reaches Throat Plate Surface (B). See Fig. 26

If feed motion is not timed to needle motion, adjust as follows (See Figs. 27 and 28)

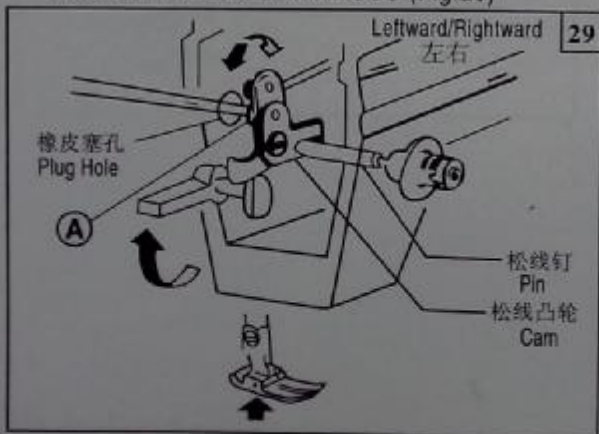
1) Remove Arm Side Cover (F).

2) Loosen Set Screws (A) and (D) of feed and feed lifting eccentric.

3) Hold Feed and Feed Lifting Eccentric (B) and turn Balance Wheel (E) slowly until the upper edge of Arm Shaft Oil Hole (C) aligns with the lower edge of Reference Hole (G) of feed and feed lifting eccentric.

4) Leave a clearance of 0.3-0.5mm between Feed and Feed Lifting Eccentric (B) and Eccentric (H), then tighten Set Screws (A) and (D).

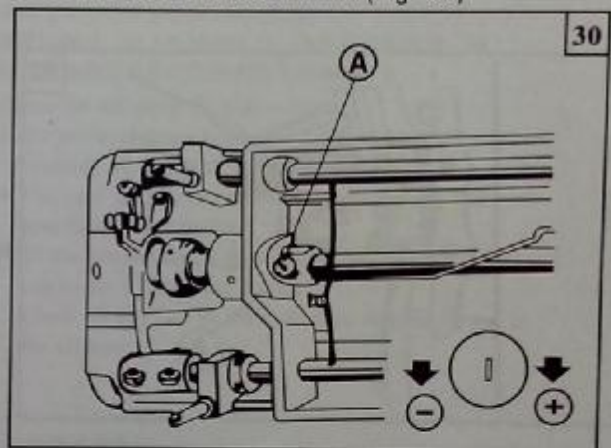
## 20. 松线器挺线调节 (图29) ADJUST OPENING TIME OF THE TENSION DISCS (Fig. 29)



29

## 21. 旋梭油量调节 (图30)

### LUBRICATION ADJUSTMENT (Fig. 30)



30

旋梭的油量,可以用油量调节螺钉A加以调节。顺时针方向(“+”号方向)转动油量调节螺钉A,油量增多;逆时针方向(“-”号方向)转动油量调节螺钉,则油量减少,油量调节螺钉A在回转5圈范围内调节油量,拧向紧固位置时,油量最多,拧松转5圈时,油量最少。

Adjusting the lubrication of rotating book

The lubrication of the rotating hook can be adjusted by Oil Adjusting Screw (A) as follows:

1) Turn Oil Adjusting Screw (A) clockwise to increase oil and turn Oil Adjusting Screw (A) counterclockwise to decrease oil.

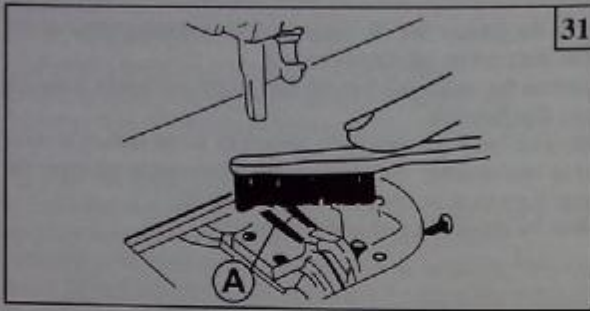
2) Oil Adjusting Screw (A) adjusts oil amount within 5 turns. When Oil Adjusting Screw (A) is fully tightened, oil amount is maximum.

3) Readjustment depends on temperature sewing speed and the like. In practice, oil amount can be judged as follows: remove the throat plate and place a piece of paper on instead, run the machine for about 20 seconds, then check the oil splashed on the paper.

22 定期清扫 (图31、32、33)  
REGULAR CLEANING (Fig.31,32, 33)

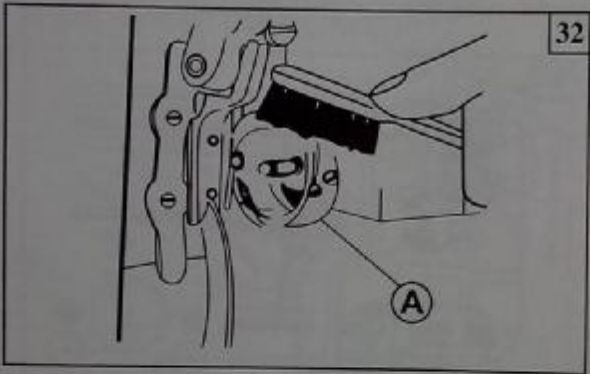
请根据使用程度, 定期清扫送布牙, 旋梭, 梭心套和油泵滤网等。

Please according the degree, periodically cleaning to the feed dog, rotary hook, oil pump screen etc.



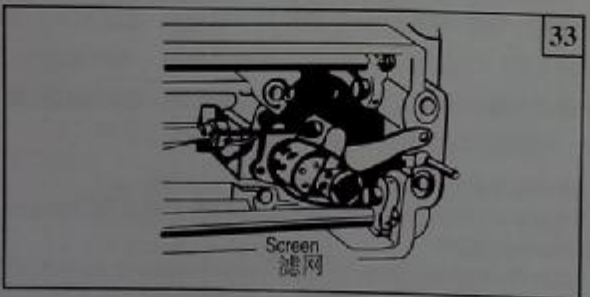
1 送布牙的清扫  
先卸下针板, 清除送布牙A间距(牙槽)内的尘垢, 然后再安好针板。

1)Cleaning feed dog (See Fig.31)  
Remove the throat plate and clear off the dust and lint between feed dog tooth slots.(A).



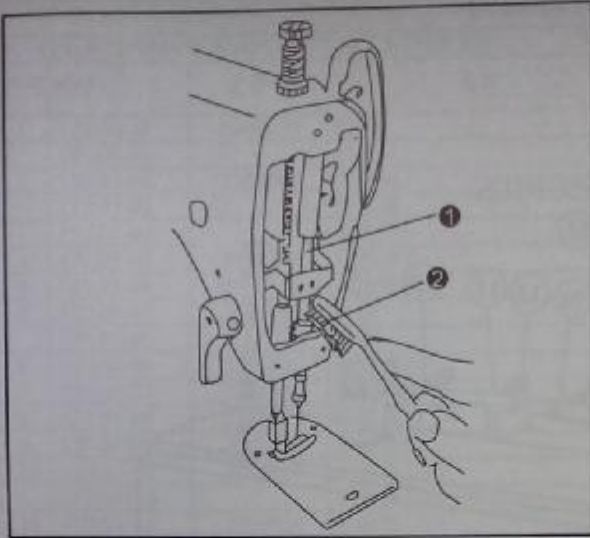
2 旋梭的清扫  
清除旋梭A周围的尘垢, 如图所示。同时用软布拭擦梭心套。

2)Cleaning rotating hook (See Fig.32)  
Sew out the machine head and clean the hook. Wipe the bobbin case (A)with soft cloth.

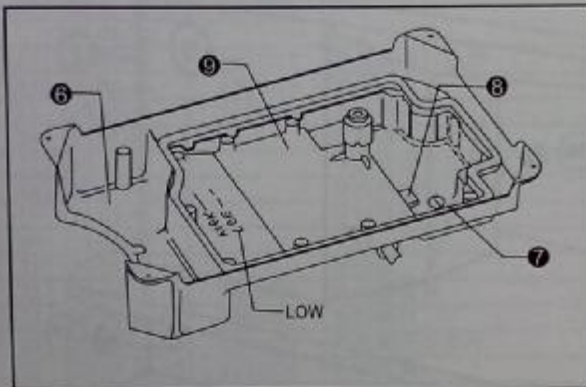


3 油泵滤网的清扫  
如图所示, 清除滤网A上的尘屑。

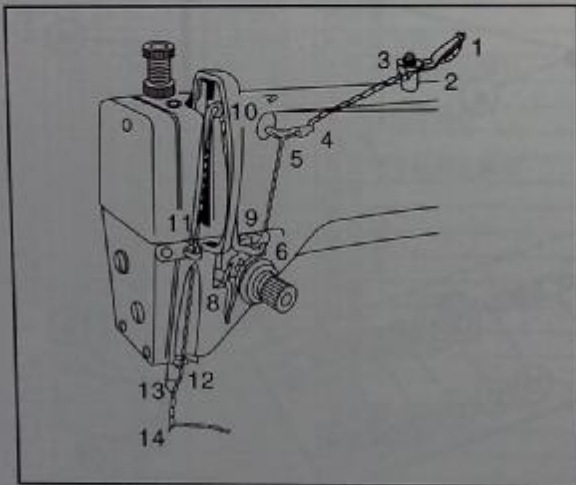
3)Cleaning oil pump screen (See Fig.33)  
Swing out the machine head and clear off the dust and dirt on the oil pump screen(A).



12. 定期打开面板。  
 13. 用刷子或布清扫针杆①和针杆下轴套②上的堆积纤维，打扫干净。  
 14. 装上面板，用螺钉紧固。  
 ※如不定期清扫，有引起渗、漏油、污染织物的可能。
12. To open face plate regularly.  
 13. Wipe off any fibre from needle bar and needle bar bush ② with a soft wike bush or a soft cloth.  
 14. put face plate back, securely tighten the screw  
 ※If not dean it regularly, it may cause oit teak, result in making the tettile dirty.



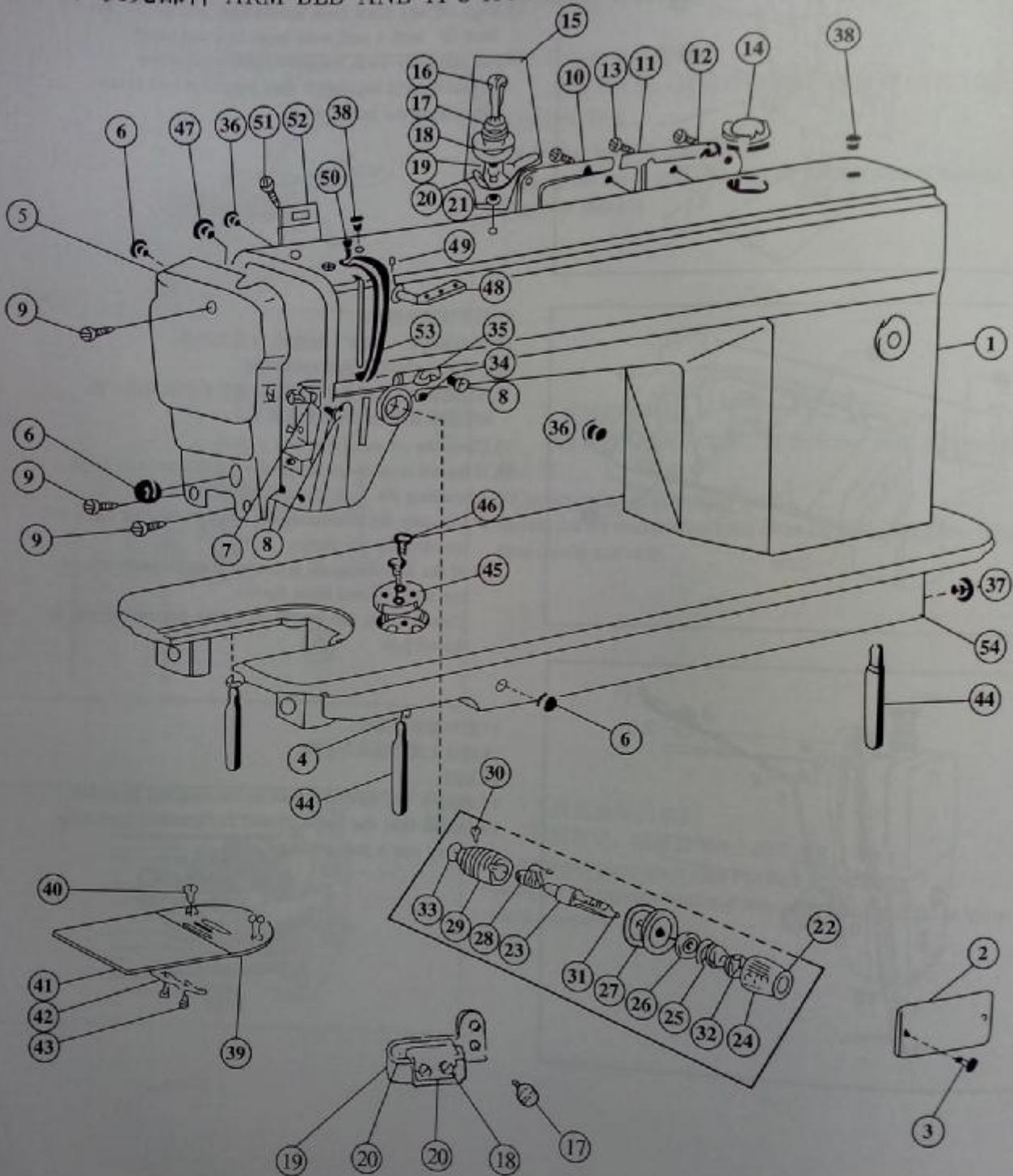
15. 用布擦拭油污⑥。  
 16. 当油面低于（LOW）刻线时，补充润滑油。  
 ※请使用本公司指定的特18#润滑油。  
 ※润滑油脏时，取下放油螺钉⑦，调换新的润滑油。磁块⑧和油盘⑥中的污物要清除干净。
15. Clean the oil sump ⑥ with a cloth.  
 16. If the oil level drops below the LOW mark add more lubricating oil.  
 ★ Use only the lubricating oil (Nisseki Sewing Lube 10) specified by our dealer.  
 ★ If the lubricating oil is contaminated, remove the oil cap screw ⑦ and drain the oil.  
 Clean off any dirt on the collection magnet ⑧ and in the oil pan.



17. 把机器放回原位。  
 18. 确认上线绕线是否正确。  
 19. 试缝。
17. Return the machine tead to its original position.  
 18. Check that the uppert thread is threaded correctly.  
 19. Carry out a trst sewing.

# 零件样本

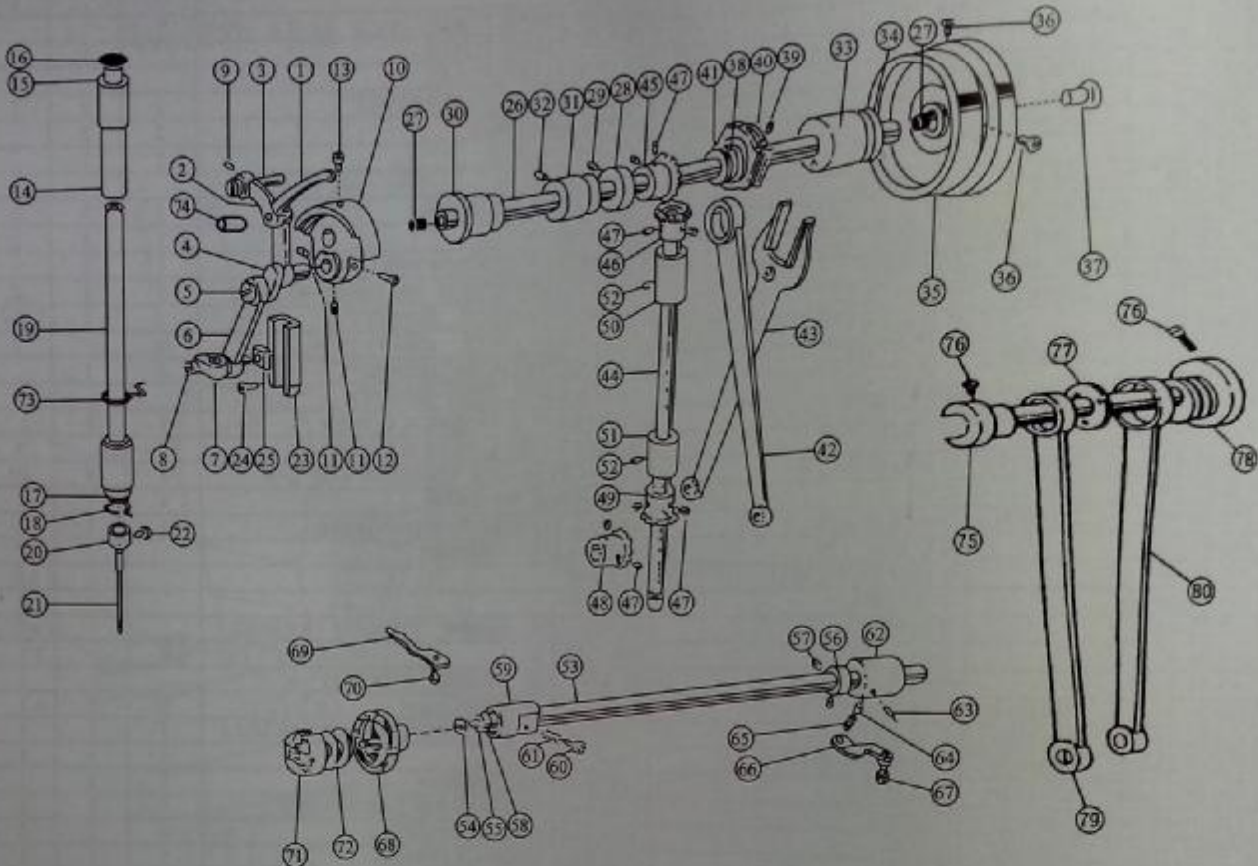
## 1. 机壳部件 ARM BED AND IT'S ACCESSORIES



## 0718/0818/0302零件样本

1. 机壳部件 ARM BED AND IT'S ACCESSORIES					件数		
序号	图号	老图号	名称	DESIGNATION	0718	0818	0302
1	120.01-01	2301009	机壳	ARM	1	1	
	193.01-01		机壳	ARM			1
2	120.01-02	2301008	型号牌	TRADE MARK PLATE	1		
	122.01-02		型号牌	TRADE MARK PLATE		1	
	193.01-02		型号牌	TRADE MARK PLATE			1
3	120.01-03	GB827-86	铭牌铆钉	TRADE MARK PLATE RIVET	2	2	2
4	120.01-04	GB93-76	弹簧垫圈	SPRING WASHER	2	2	
5	120.01-05	2305006	面板	FACE PLATE	1	1	
	193.01-05		面板	FACE PLATE			1
6	120.01-06	2301011	面板橡皮塞	RUBBER BLUG $\phi$ 11.8	3	3	3
7	120.01-07	2301012	面板线勾	SET SCREW	1	1	1
8	120.01-08	2301013	线勾螺钉	SET SCREW SM9/64"×40 L=6	1	1	1
9	120.01-09	2301014	面板螺钉	FACE PLATE SCREW SM11/64"×40 L=20	3	3	2
10	120.01-10	2301015	后盖板(左)	ARM SIDE COVER (LEFT)	1	1	
	193.01-10		后盖板(左)	ARM SIDE COVER (LEFT)			1
11	120.01-11	2301024	后盖板(右)	ARM SIDE COVER (RIGHT)	1	1	
	193.01-11		后盖板(右)	ARM SIDE COVER (RIGHT)			1
12	120.01-12	2301016	后盖板垫片	GASKET FOR ARM SIDE COVER	1	1	
	193.01-12		后盖板垫片	GASKET FOR ARM SIDE COVER			1
13	120.01-13	2301017	后盖板螺钉组件	SET SCREW ASM SM11/64"×40 L=9	9	9	10
14	120.01-14	2301019	油窗	OIL CHECK WINDOW	1	1	1
15	120.01-15	2401009	小夹线器组件	SMALL THREAD TENSION ARM.	1	1	1
16	193.01-38		底板撑杆(短)	BED LEG (SHORT)			2
17	193.01-39		导线杆架固定螺钉	SCREW			1
18	193.01-40		导线板螺钉	SCREW			2
19	193.01-41		导线杆架	PLATE OF GUIDE THREAD BRACKET			1
20	193.01-42		毛毡	OIL FELT			1
21	193.01-43		导线板	PLATE OF GUIDE THREAD			1
22	120.01-16	2401010	夹线器组件	THREAD TENSION ARM.	1	1	1
23	120.01-16-01	2301028	夹线螺钉	THREAD TENSION SCREW SM3/32"×56 L=2.2	1	1	1
24	120.01-16-02	2301029	夹线螺母小组件	TENSION NUT	1	1	1
25	120.01-16-03	2301030	夹线弹簧	SPRING FOR TENSION	1	1	1
26	120.01-16-04	2301031	松线板	THREAD TENSION RELEASING DISC	1	1	1
27	120.01-16-05	2301032	夹线板	THREAD TENSION DISC	2	2	2
28	120.01-16-06	2301033	接线簧	THREAD TAKE-UP SPRING	1	1	1
29	120.01-16-07	2301034	夹线调节座	THREAD TENSION REGULATING BASE	1	1	1
30	120.01-16-08	2301035	夹线调节座固定螺钉	SET SCREW SM9/64"×40 L=6	1	1	1
31	120.01-16-09	2301036	松线钉	THREAD TENSION RELEASING PIN	1	1	1
32	120.01-16-10	2301037	夹线螺母止动板	STOP DISC	1	1	1
33	120.01-16-11	2301038	O型圈	RUBBER RING	1	1	1
34	120.01-17	2301039	夹线调节座固定螺钉	SET SCREW SM15/64"×28 L=6.8	1	1	1
35	120.01-18	2301040	线勾	THREAD GUIDE	1	1	1
36	120.01-19	2301041	橡皮塞	RUBBER PLUG	4	4	4
37	120.01-20	2301042	橡皮塞	RUBBER PLUG	1	1	1
38	120.01-21	2301043	橡皮塞	RUBBER PLUG	2	2	2
39	120.01-22	2301046	针板	NEEDLE PLATE	1		
	122.01-22	2305002	针板	NEEDLE PLATE		1	
	193.01-22		针板	NEEDLE PLATE			1
40	120.01-23	2301045	针板螺钉	NEEDLE PLATE SCREW	2	2	2
41	120.01-24	2301047	推板	SLIDE PLATE	1	1	1
42	120.01-25	2301048	推板簧	SLIDE PLATE SPRING	1	1	1
43	120.01-26	2301049	推板簧螺钉	SLIDE PLATE SPRING SCREW	2	2	2
44	120.01-27	2301050	底板撑杆	LEG	3	3	2
45	120.01-28	2301052	夹边座	CLOTH GUIDE PLATE	1	1	1
46	120.01-29	2301053	夹边座螺钉	SET SCREW SM11/64"×40 L=5.5	2	2	2
47	120.01-30	2301044	回油观察孔橡皮塞	RUBBER PLUG	1	1	1
48	120.01-31	2301026	三眼线勾	THREE-HOLE THREAD GUIDE	1	1	1
49	120.01-32	2301027	三眼线勾螺钉	SET SCREW SM11/64"×40 L=5.5	1	1	1
50	120.01-33	2301066	挑线杆防护罩螺钉	SCREW TYPE TENSION STUD SM11/64"×40 L=8	1	1	1
51	120.01-34	2301255	挡油板油板螺钉	OIL SHIELD PLATE SCREW	3	3	3
52	120.01-35	2301254	偏心凸轮挡油板	OIL SHIELD PLATE	1	1	
	193.01-35		偏心凸轮挡油板	OIL SHIELD PLATE			1
53	120.01-36	2301065	挑线杆防护罩	THREAD TAKE-UP LEVER COVER	1	1	1
54	120.01-37	2301010	底板	BED	1	1	1
	193.01-37		底板	BED	1	1	1

2、针杆挑线、上轴竖轴部件 NEEDLE BAR AND TAKE-UP. ARM SHAFT AND VERTICAL SHAFT MECHANISM

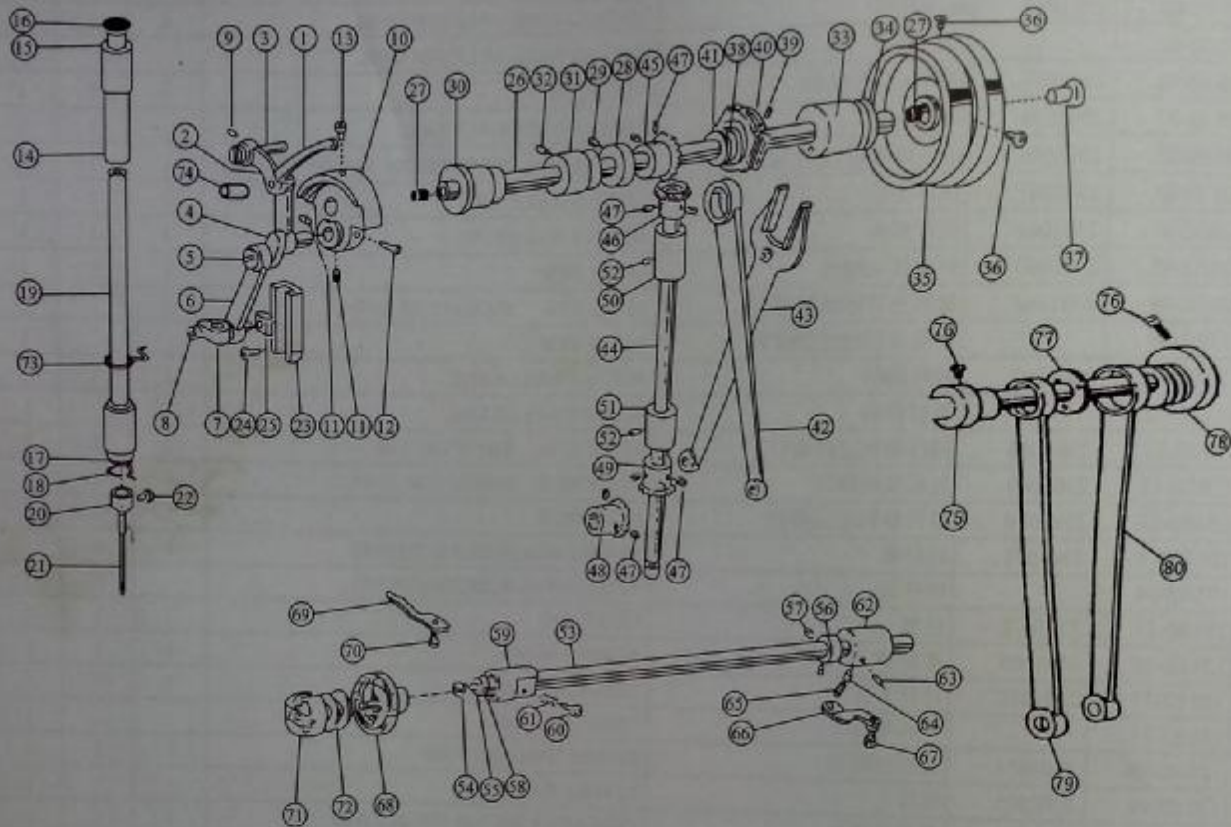


## 2、针杆挑线、上轴竖轴部件 NEEDLE BAR AND TAKE-UP ARM SHAFT AND VERTICAL SHAFT MECHANISM

序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.02-01	2301055	挑线杆	THREAD TAKE-UP LEVER	1	1	
	193.02-01		挑线杆	THREAD TAKE-UP LEVER			1
2	120.02-02	2301056	挑线连杆	THREAD TAKE-UP LEVER LINK	1	1	
	193.02-02		挑线连杆	THREAD TAKE-UP LEVER LINK			1
3	120.02-03	2301057	挑线连杆铰链轴	HINGE PIN	1	1	1
4	120.02-04	2301058	挑线曲柄	THREAD TAKE-UP CRANK	1	1	1
5	120.02-05	2301060	挑线曲柄螺钉(左旋)	SET SCREW (LEFT HANDED) SM9/64"×40 L=6	1	1	1
6	120.02-06	2301061	针杆连杆	NEEDLE BAR LINK	1	1	1
7	120.02-07	2301062	针杆接头	NEEDLE BAR TIE-IN	1	1	1
8	120.02-08	2301063	针杆接头螺钉	SET SCREW	1	1	1
9	120.02-09	2301064	挑线连杆铰链轴螺钉	SET SCREW SM15/64"×28 L=11	1	1	
	193.02-09		挑线连杆铰链轴螺钉	SET SCREW			1
10	120.02-10	2301067	针杆曲柄	NEEDLE BAR CRANK	1	1	
	193.02-10		针杆曲柄	NEEDLE BAR CRANK			1
11	120.02-11	2301068	挑线曲柄定位螺钉	SET SCREW SM1/4"×40 L=6	2	2	2
12	120.02-12	2301069	针杆曲柄螺钉	SET SCREW SM9/32"×28 L=13	1	1	1
13	120.02-13	2301070	针杆曲柄定位螺钉	SET SCREW	1	1	1
14	120.02-14	2301071	针杆套	NEEDLE BAR BUSHING (UPPER)	1	1	
	193.02-14		针杆套	NEEDLE BAR BUSHING (UPPER)			1
15	120.02-15	2301072	毡塞	FELT PLUG	1	1	1
16	120.02-16	2301005	橡皮塞	RUBBER PLUG	1	1	1
17	120.02-17	2301073	针杆下套	NEEDLE CLAMP	1	1	
	193.02-17		针杆下套	NEEDLE CLAMP			1
18	120.02-18	2301074	机针过线勾	LOWER THREAD GUIDE	1	1	1
19	120.02-19	2301075	针杆	NEEDLE BAR	1	1	1
20	120.02-20	2301076	机针过线环	THREAD GUIDE FOR NEEDLE BAR	1	1	1
21	120.02-21	2401100	机针	NEEDLE	1	1	1
22	120.02-22	2301078	夹针螺钉	NEEDLE CLAMP SCREW SM1/8"×44 L=4.5	1	1	1
23	120.02-23	2301079	针杆滑块导轨	GUIDE FOR SLIDE BLOCK	1	1	1
24	120.02-24	2301080	导轨螺钉	SET SCREW SM11/64"×40 L=8	1	1	1
25	120.02-25	2301081	导轨滑块	SLIDE BLOCK	1	1	1
26	120.02-26	2301083	上轴	ARM SHAFT	1	1	
	193.02-26		上轴	ARM SHAFT			1
27	120.02-27	2301084	上轴橡皮塞	RUBBER PLUG	2	2	2
28	120.02-28	2301085	上轴紧固	COLLAR FOR ARM SHAFT	1	1	1
29	120.02-29	2301086	上轴紧固螺钉	SET SCREW SM1/4"×40 L=8	2	2	2
30	120.02-30	2301087	上轴轴套(左)	ARM SHAFT BUSHING (LEFT)	1	1	1
31	120.02-31	2301088	上轴轴套(中)	ARM SHAFT BUSHING (MIDDLE)	1	1	1
32	120.02-32	2301064	上轴轴套(中)螺钉	SET SCREW SM15/64"×28 L=10	1	1	1
33	120.02-33	2301089	上轴轴套(右)	ARM SHAFT BUSHING (RIGHT)	1	1	1
34	120.02-34	2301090	上轴轴套(右)油封	OIL SEAL	1	1	1
35	120.02-35	2301091	主动轮	BALANCE WHEEL	1	1	
	193.02-35		主动轮	BALANCE WHEEL			1
36	120.02-36	2301092	主动轮螺钉	SET SCREW 15/64"X28X12	2	2	2
37	120.02-37	2301094	上轴油封螺钉	SET SCREW SM11/32"×28 L=10	1	1	1
38	120.02-38	2301096	送布凸轮	FEED LIFTING CAM	1	1	
39	120.02-39	2301095	送布凸轮螺钉	SET SCREW SM15/64"×28 L=17	2	2	
40	120.02-40	2301097	牙叉滑块	FEED FORK SLIDE	1	1	
41	120.02-41	2301098	拾牙连杆挡圈	RETAINING RING	1	1	

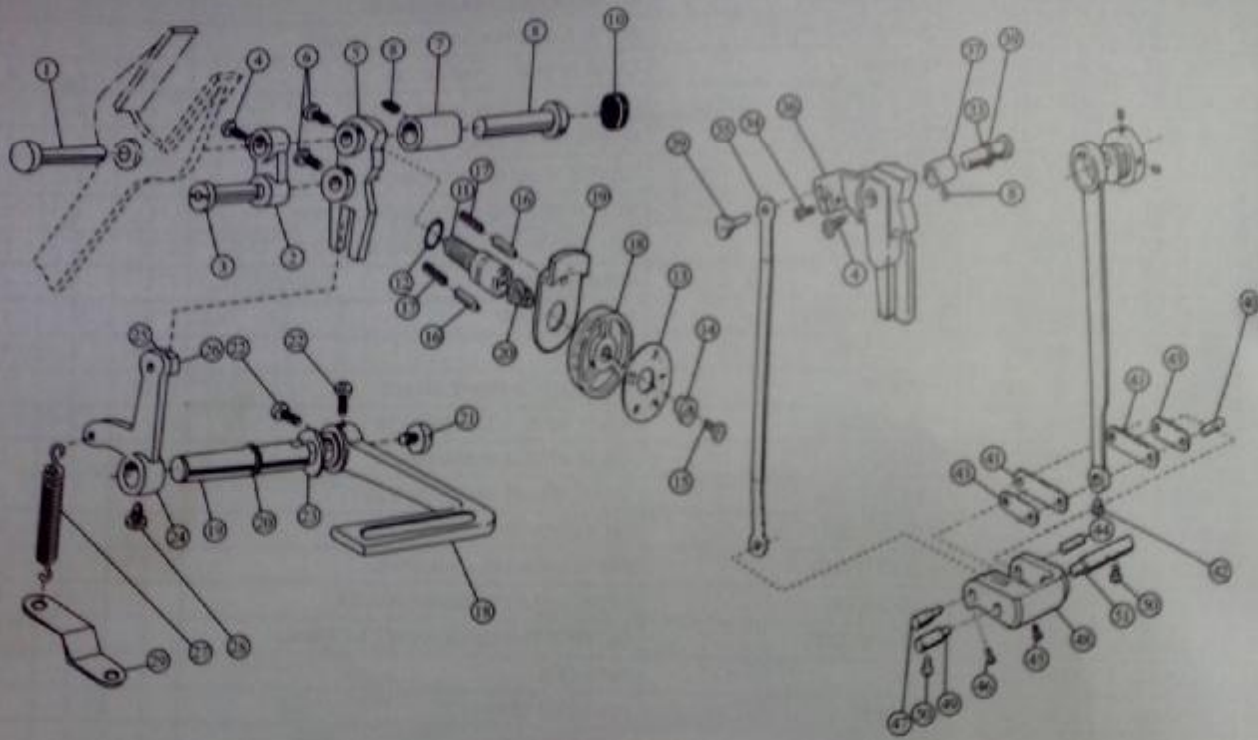


2、针杆挑线、上轴竖轴部件 NEEDLE BAR AND TAKE-UP. ARM SHAFT AND VERTICAL SHAFT MECHANISM



42	120.02-42	2301099	抬牙连杆	FEED LIFTING ROD	1	1	
43	120.02-43	2301100	牙叉	FEED FORK CONNECTION	1	1	
44	120.02-44	2301102	竖轴	VERTICAL SHAFT	1	1	1
45	120.02-45	2301063	上轴伞齿轮z=27	BEVEL GEAR FOR ARM SHAFT	1	1	1
46	120.02-46	2301339	竖轴伞齿轮下z=18	BEVEL GEAR FOR VERTICAL SHAFT	1	1	1
47	120.02-47	2301103	伞齿轮螺钉	GEAR SCREW SM1/4"×40 L=7	4	4	4
48	120.02-48	2301341	下轴伞齿轮z=21	BEVEL GEAR FOR HOOK SHAFT	1	1	1
49	120.02-49	2301343	竖轴伞齿轮下z=28	BEVEL GEAR FOR VERTICAL SHAFT	1	1	1
50	120.02-50	2301104	竖轴轴套(上)	VERTICAL SHAFT BUSHING (UPPER)	1	1	1
51	120.02-51	2301105	竖轴轴套(下)	VERTICAL SHAFT BUSHING (LOWER)	1	1	1
52	120.02-52	2301064	竖轴轴套螺钉	SET SCREW SM15/64"×28 L=10	2	2	2
53	120.02-53	2301106	下轴	HOOK SHAFT	1	1	1
54	120.02-54	2301107	下轴滤油塞螺钉	FILTER SCREW	1	1	1
55	120.02-55	2301108	下轴滤油塞	FILTER	1	1	1
56	120.02-56	2301109	下轴紧圈	COLLAR FOR HOOK SHAFT	1	1	1
57	120.02-57	2301110	下轴紧圈螺钉	SET SCREW SM15/64"×28 L=4.5	2	2	2
58	120.02-58	2301111	下轴油封	OIL SEAL FOR HOOK SHAFT	1	1	1
59	120.02-59	2301112	下轴轴套(左)	HOOK SHAFT BUSHING (LEFT)	1	1	1
60	120.02-60	2301113	油量调节螺钉	OIL ADJUSTING SCREW	1	1	1
61	120.02-61	2301114	油量调节弹簧	SPRING FOR OIL ADJUSTER	1	1	1
62	120.02-62	2301115	下轴轴套(右)	HOOK SHAFT BUSHING (RIGHT)	1	1	1
63	120.02-63	2301116	下轴轴套油管	OIL PIPIT FOR HOOK SHAFT BUSHING	1	1	1
64	120.02-64	2301117	柱塞	PLUNGER	1	1	1
65	120.02-65	2301118	柱塞弹簧	PLUNGER SPRING	1	1	1
66	120.02-66	2301119	挡板	GUIDE PLATE	1	1	1
67	120.02-67	2301120	挡板螺钉	SCREW SM15/64"×28 L=10	1	1	1
68	120.02-68	2301121	旋梭组件	ROTATING HOOK COMPLETE	1		1
	122.02-68	2405001	旋梭组件	ROTATING HOOK COMPLETE		1	
69	120.02-69	2301122	旋梭定位勾	ROTATING HOOK POSITIONAL	1	1	
	193.02-69		旋梭定位勾	ROTATING HOOK POSITIONAL			1
70	120.02-70	2301123	旋梭定位勾螺钉	SET SCREW SM11/64"×40 L=10	1	1	1
71	120.02-71	2401033	梭芯套	BOBBIN CASE	1		1
	122.02-71	2305001-2	梭芯套	BOBBIN CASE		1	
72	120.02-72	2301124	梭芯	BOBBIN	1	1	1
73	120.02-73	2301275	回油管弹簧夹	HOLDER	1	1	1
74	120.02-74	2301059	滚针轴承	NEEDLE BEARING	2	2	2
75	193.02-75		抬牙凸轮	REAR SHAFT CAM			1
76	193.02-76		抬牙送布凸轮螺钉	REAR CAM SCREW			6
77	193.02-77		凸轮隔离板	CAM STOPPER BOARD			1
78	193.02-78		送布凸轮	FEED ROCKER SHAFT CAM			1
79	193.02-79		抬牙连杆	REAR SHAFT LINK			1
80	193.02-80		送布连杆	FEED ROCKER SHAFT CAM			1

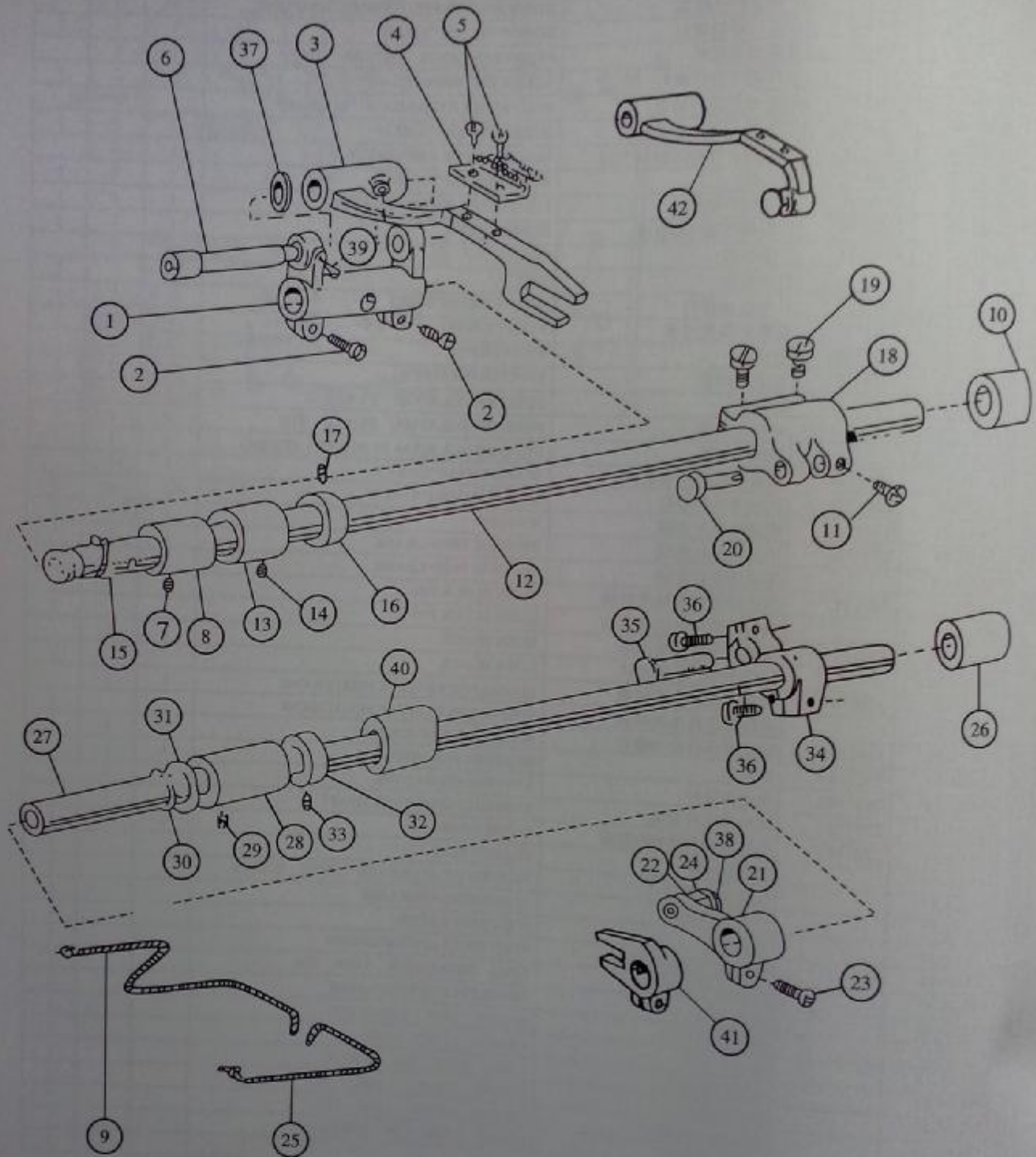
3、针距调节部件 STITCH LENGTH REGULATING MECHANISM



3. 针距调节部件 STITCH LENGTH REGULATING MECHANISM

序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.03-01	2301125	牙叉铰链轴	HINGE PIN	1	1	
2	120.03-02	2301126	针距连杆	FEED CONNECTING LINK	1	1	
3	120.03-03	2301127	针距连杆铰链轴	HINGE PIN FOR FEED CONNECTING LINK	1	1	
4	120.03-04	2301120	牙叉铰链轴螺钉	SCREW SM15/64"X28X10	1	1	1
5	120.03-05	2301129	针距调节摆杆	FEED REGULATOR DRIVING BAR	1	1	
6	120.03-06	2301120	针距调节摆杆螺钉	SCREW SM15/64"X28X10	2	2	1
7	120.03-07	2301130	针距调节摆杆轴套	FEED REGULATOR SHAFT BUSHING	1	1	
8	120.03-08	2301064	针距调节摆杆轴套螺钉	SCREW SM15/64"X28X10	1	1	1
9	120.03-09	2301131	针距调节摆杆铰链轴	HINGE PIN FOR REGULATOR	1	1	
10	120.03-10	2301132	橡皮塞	RUBBER PLUG	1	1	1
11	120.03-11	2301133	针距调节螺杆	FEED REGULATOR SCREW BAR	1	1	1
12	120.03-12	2301136	针距调节螺杆O型圈	RUBBER RING	1	1	1
13	120.03-13	2301134	针距标盘	DIAL	1	1	
	193.03-13		针距标盘	DIAL			1
14	120.03-14	2301135	针距标盘螺钉	SCREW SM3/16"X28X8	1	1	1
15	120.03-15	2301137	针距标盘橡皮塞	RUBBER PLUG	1	1	1
16	120.03-16	2301138	止动销	STOPPER PIN	2	2	2
17	120.03-17	2301139	止动销弹簧	STOPPER PIN SPRING	2	2	2
18	120.03-13-01		针距盘	FEED REGULATOR PLATE	1	1	1
19	120.03-13-02		针距盘挡销	FEED REGULATOR PLATE PIN	1	1	1
20	120.03-13-03		针距按键簧	FEED REGULATOR PLATE PIN SPRING	1	1	1
21	120.03-21	2301143	倒缝操纵杆吊紧螺钉	SCREWSM3/16"X28X6.5	1	1	1
22	120.03-22	2301120	倒缝操纵杆螺钉	SCREW SM15/64"X28X10	2	2	2
23	120.03-23	2301144	倒缝操纵杆垫圈	WASHER	1	1	1
24	120.03-24	2301145	倒缝操纵杆曲柄	REVERSE FEED CRANK	1	1	
	193.03-24		倒缝操纵杆曲柄	REVERSE FEED CRANK			1
25	120.03-25	2301213	倒缝操纵杆曲柄滑块轴	SLIDE BLOCK PIN	1	1	
	193.03-25		倒缝操纵杆曲柄滑块轴	SLIDE BLOCK PIN			1
26	120.03-26	2301146	倒缝操纵杆曲柄滑块	SLIDE BLOCK	1	1	
	193.03-26		倒缝操纵杆曲柄滑块	SLIDE BLOCK			1
27	120.03-27	2301147	倒缝操纵杆曲柄弹簧	SPRING FOR REVERSE FEED CRANK	1	1	
	193.03-27		倒缝操纵杆曲柄弹簧	SPRING FOR REVERSE FEED CRANK			1
28	120.03-28	2301148	倒缝操纵杆曲柄螺钉	SCREW SM15/64"X28X14.5	1	1	1
29	120.03-29	2301149	弹簧架	BRACKET FOR SPRING	1	1	
30	120.03-18	2301140	倒缝操纵杆	REVERSE FEED LEVER	1	1	1
31	120.03-19	2301141	倒缝操纵杆短轴	REVERSE FEED LEVER SHAFT	1	1	1
32	120.03-20	2301142	倒缝操纵杆短轴O型圈	RUBBER RING	1	1	1
33	193.03-30		O型密封圈	RUBBER RING			1
34	193.03-31		针距座长螺钉	FEED REGULATOR BASE LONG SCREW			1
35	193.03-32		针距调节连杆	FEED REGULATOR LINK			1
36	193.03-33		针距座	FEED REGULATOR			1
37	193.03-34		针距调节摆杆轴套	FEED REGULATOR BUSHING			1
38	193.03-35		针距调节连杆销	FEED REGULATOR LINK PIN			1
39	193.03-36		针距座轴	HINGE PIN FOR REGULATOR			1
40	193.03-37		曲柄连杆长销	CRANK LINK LONG PIN			1
41	193.03-38		曲柄长连杆	CRANK LONG LINK			2
42	193.03-39		长连杆销螺钉	LONG LINK PIN SCREW			1
43	193.03-40		曲柄短连杆	CRANK SHORT LINK			2
44	193.03-41		曲柄短连杆销	CRANK SHORT LINK PIN			1
45	193.03-42		短连杆销螺钉	SHORT LINK PIN SCREW			1
46	193.03-43		连杆偏心轴螺钉	SCREW			1
47	193.03-44		连杆偏心轴	LINK ECCENTRICITY SHAFT			1
48	193.03-45		针距调节曲柄	FEED REGULATOR CRANK			1
49	193.03-46		针距调节曲柄定位销(左)	CRANK POSITION PIN (LEFT)			1
50	193.03-47		针距调节曲柄定位销螺钉	POSITION PIN SCREW			2
51	193.03-48		针距调节曲柄定位销(右)	CRANK POSITION PIN (RIGHT)			1

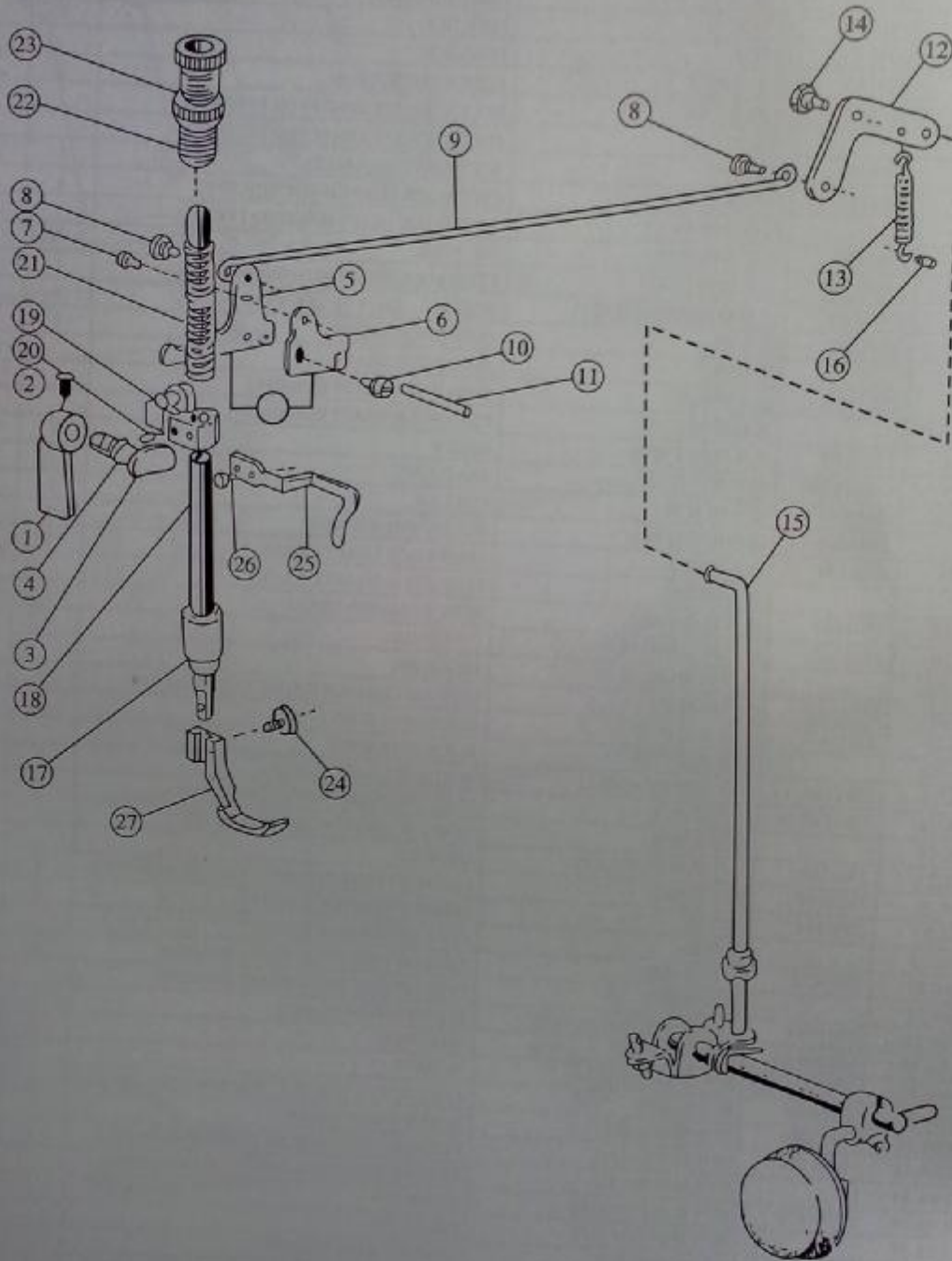
#### 4. 送布部件 FEEDING AND FEED LIFTING MECHANISM



## 4. 送布部件 FEEDING AND FEED LIFTING MECHANISM

序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.04-01	2301150	牙架曲柄	FEED ROCK SHAFT CRANK	1	1	
			牙架曲柄	FEED ROCK SHAFT CRANK			1
2	120.04-02	2301162	牙架曲柄螺钉	SCREW SM3/16"X28X12	2	2	2
3	120.04-03	2301152	牙架	FEED BRACKET	1	1	
			牙架	FEED BRACKET			1
4	120.04-04	2301154	送布牙	FEED DOG	1		1
	122.04-04	2305003	送布牙	FEED DOG		1	
5	120.04-05	2301155	送布牙螺钉	SCREW SM1/8"X44X6	2	2	2
6	120.04-06	2301156	牙架偏心轴	ECCENTRICITY SHAFT FOR FEED BAR	1	1	
	193.04-06		牙架偏心轴	ECCENTRICITY SHAFT FOR FEED BAR			1
7	120.04-07	2301080	牙架螺钉	SCREW SM11/64X40X8	1	1	1
8	120.04-08	2301177	送布轴轴套(左)	FEED ROCK SHAFT BUSHING(LEFT)	1	1	
	193.04-08		送布轴轴套(左)	FEED ROCK SHAFT BUSHING(LEFT)			1
9	120.04-09	2301157	牙架曲柄油线	OIL WICK	1	1	1
10	120.04-10	2301176	送布轴轴套(右)	FEED ROCK SHAFT BUSHING(RIGHT)	1	1	
11	120.04-11	2301120	送布轴曲柄铰链轴螺钉	SCREW SM15/64"X28 L=10	1	1	1
12	120.04-12	2301158	送布轴	FEED ROCK SHAFT	1	1	
	193.04-12		送布轴	FEED ROCK SHAFT			1
13	120.04-13	2301159	送布轴轴套	FEED ROCK SHAFT BUSHING	1	1	
	193.04-13		送布轴轴套(中)	FEED ROCK SHAFT BUSHING			1
14	120.04-14	2301110	送布轴轴套螺钉	SCREW	1	1	1
15	120.04-15	GB894-76	轴用弹性挡圈	SNAP RING	1	1	1
16	120.04-16	2301085	送布轴紧圈	COLLAR	1	1	1
17	120.04-17	2301086	送布轴紧圈螺钉	SCREW SM1/4"X40X8	2	2	2
18	120.04-18	2301161	送布轴曲柄	FEED ROCK SHAFT CRANK	1	1	
			送布轴曲柄	FEED ROCK SHAFT CRANK			1
19	120.04-19	2301151	送布轴曲柄螺钉	SCREW SM3/16"C28X15	2	2	2
20	120.04-20	2301163	送布轴曲柄铰链轴	HINGE PIN	1	1	
	193.04-20		送布轴曲柄铰链轴	HINGE PIN			1
21	120.04-21	2301165	拾牙轴曲柄(左)	FEED LIFTING ROCK SHAFT CRANK(LEFT)	1	1	
22	120.04-22	2301167	拾牙叉滑块轴	SLIDE BLOCK PIN	1	1	
	193.04-22		拾牙叉滑块轴	SLIDE BLOCK PIN			1
23	120.04-23	2301166	拾牙轴曲柄(左)螺钉	SCREW SM11/64"X40X12	1	1	1
24	120.04-24	2301168	拾牙叉滑块	FEED LIFTING CONNECTING SLIDE	1	1	
	193.04-24		拾牙叉滑块	FEED LIFTING CONNECTING SLIDE			1
25	120.04-25	2301164	拾牙轴曲柄(左)油线	OIL WICK	1	1	1
26	120.04-26	2301178	拾牙轴轴套(右)	FEED LIFTING ROCK SHAFT BUSHING(RIGHT)	1	1	
27	120.04-27	2301171	拾牙轴	FEED LIFTING ROCK SHAFT	1	1	
	193.04-27		拾牙轴	FEED LIFTING ROCK SHAFT			1
28	120.04-28	2301172	拾牙轴轴套	FEED LIFTING ROCK SHAFT BUSHING	1	1	
	193.04-28		拾牙轴轴套	FEED LIFTING ROCK SHAFT BUSHING			1
29	120.04-29	2301064	拾牙轴轴套螺钉	SCREW SM15/64X28X10	1	1	1
30	120.04-30	GB894-76	轴用弹性挡圈	SNAP RING	1	1	1
31	120.04-31	2301173	拾牙轴轴套垫圈	WASHER	1	1	
32	120.04-32	2301085	拾牙轴紧圈	COLLAR FOR FEED LIFTING ROCK SHAFT	1	1	1
33	120.04-33	2301086	拾牙轴紧圈螺钉	SCREW SM1/4"X40X4	2	2	2
34	120.04-34	2301174	拾牙轴曲柄(右)	FEED LIFTING ROCK SHAFT CRANK(RIGHT)	1	1	
	193.04-34		拾牙轴曲柄(右)	FEED LIFTING ROCK SHAFT CRANK(RIGHT)			1
35	120.04-35	2301175	拾牙轴曲柄铰链轴	HINGE PIN	1	1	
	193.04-35		拾牙轴曲柄铰链轴	HINGE PIN			1
36	120.04-36	2301151	拾牙轴曲柄螺钉	SCREW SM3/16"X28X15	2	2	2
37	120.04-37	2301153	牙架垫圈	WASHER	1	1	1
38	120.04-38	2301169	拾牙叉滑块垫片	WASHER	1	1	
	193.04-38		拾牙叉滑块垫片	WASHER			1
39	120.04-39	2301080	牙架偏心轴螺钉	SCREW	1	1	1
40	120.04-40		拾牙轴套	FEED LIFTING ROCK SHAFT BUSHING			1
41	193.04-41		拾牙叉	FORK CRANK			1

## 5、压脚部件 PRESSER LIFTING MECHANISM

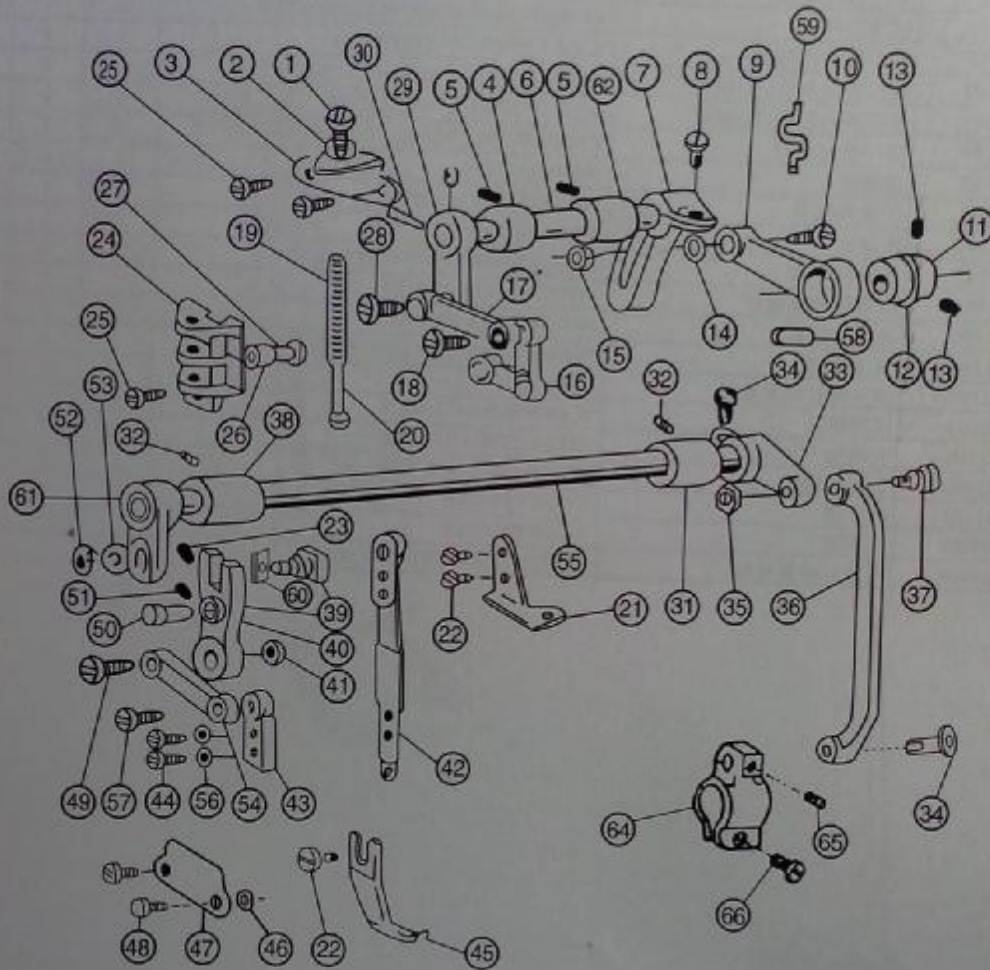


## 5. 压脚部件 PRESSER LIFTING MECHANISM

序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.05-01	2301179	压脚扳手	PRESSER BAR LIFTER			
2	120.05-02	2301027	压脚扳手螺钉	SCREW SM11/64"X40X5.5	1	1	1
3	120.05-03	2301180	压紧杆提升凸轮	PRESSER BAR LIFTING CAM	1	1	1
4	120.05-04	2301181	压紧杆提升O型圈	O RING	1	1	1
5	120.05-05	2301182	膝控提升杠杆(左)	KNEE LIFTER LEVER(LEFT)	1	1	1
6	120.05-06	2301183	松线凸轮	TENSION RELEASING	1	1	1
7	120.05-07	2301184	膝控提升杠杆(左)螺钉	SCREW SM11/64"X40X6.5	1	1	1
8	120.05-08	2301185	铰链螺钉	HINGE SCREW	2	2	2
9	120.05-09	2301186	膝控提升拉杆	KNEE LIFTER ROD	1	1	1
10	120.05-10	2301187	松线凸轮螺钉	BOLT	1	1	1
11	120.05-11	2301188	松线顶杆	TENSION RELEASING MANDRIL	1	1	1
12	120.05-12	2301189	膝控提升杠杆(右)	KNEE LIFTER LEVER(RIGHT)	1	1	1
13	120.05-13	2301190	膝控提升杠杆(右)弹簧	SPRING OF KNEE LIFTER LEVER	1	1	1
14	120.05-14	2301361	膝控提升杠杆(右)螺钉	BOLT OF KNEE LIFTER LEVER	1	1	1
15	120.05-15	2301191	膝控提升连杆	KNEE LIFTER CONNECTING ROD	1	1	1
16	120.05-16	2301192	弹簧销	SPRING OF PIN	1	1	1
17	120.05-17	2301193	压紧杆轴套	PRESSER BAR BUSHING	1	1	1
18	120.05-18	2301194	压紧杆	PRESSER BAR	1	1	1
19	120.05-19	2301195	压紧杆导架	PRESSER BAR LIFTING BRACKET	1	1	1
20	120.05-20	2301095	压紧杆导架螺钉	SCREW SM15/64"X28X7	1	1	1
21	120.05-21	2301196	压紧杆弹簧	PRESSER BAR SPRING	1	1	1
22	120.05-22	2301197	调压螺钉	PRESSURE REGULATING THUMB SCREW	1	1	1
23	120.05-23	2301198	调压螺钉锁紧螺母	LOCK NUT	1	1	1
24	120.05-24	2301199	压脚螺钉	SCREW SM9/64"X40X10	1	1	1
25	120.05-25	2301200	大线勾	UPPER THREAD GUIDE	1	1	1
26	120.05-26	2301080	大线勾螺钉	SCREW SM11/64"X40X8	1	1	1
27	120.05-27	2301201	内压脚	INNER PRESSER	1		1
	122.05-27	2305007	内压脚	INNER PRESSER		1	
28	120.05-28	2301006	压紧杆弹簧导柱	PRESSER BAR SPRING GUIDE	1	1	1

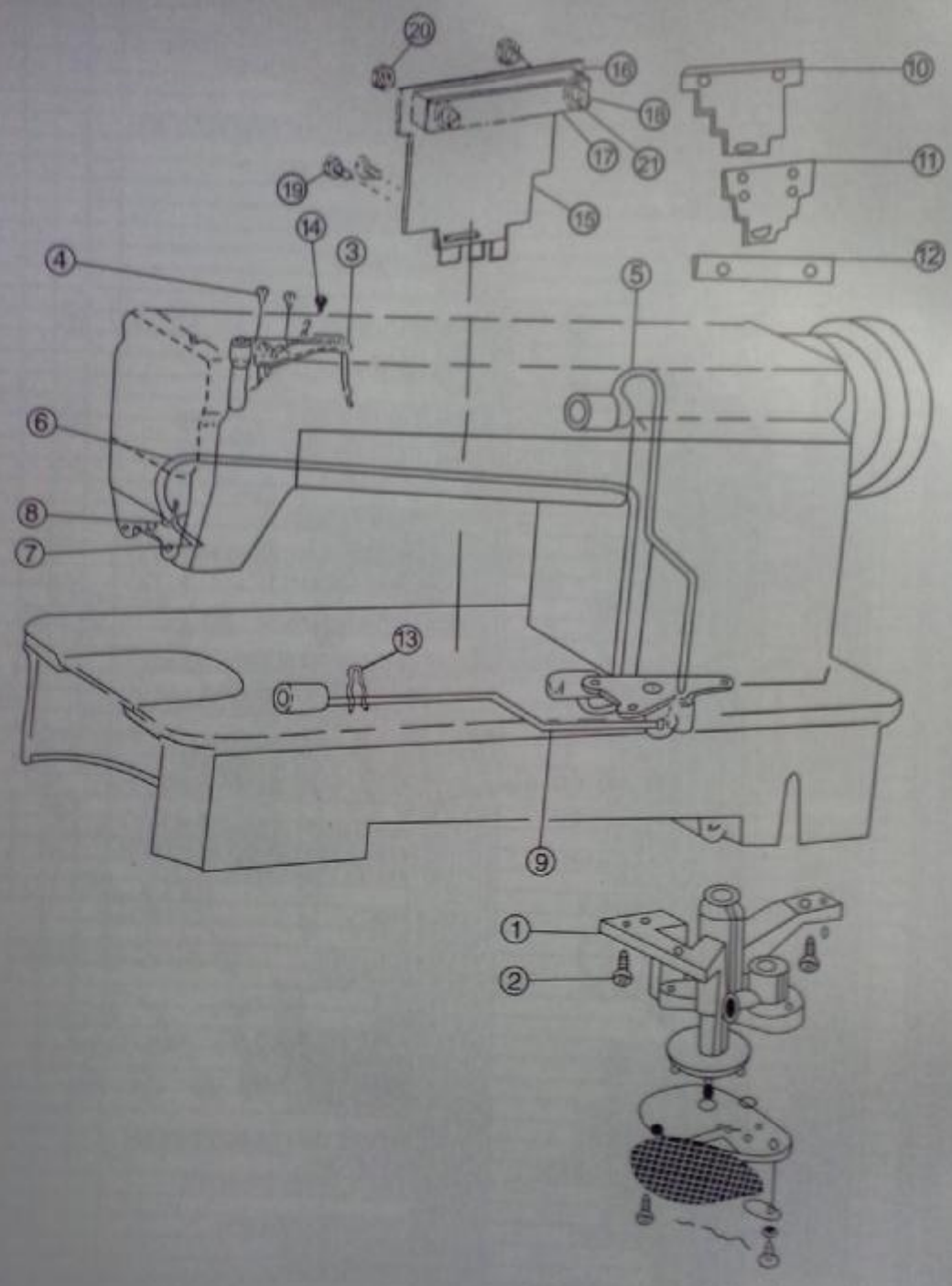


## 6、压脚提升、送料部件 PRESSER LIFTING FEEDING MECHANISM



6. 压脚提升送料部件 PRESSER LIFTING FEEDING MECHANISM							
序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.06-01	2301202	提升压脚调节螺钉	LIFTING PRESSER ADJUSTING SCREW	1	1	1
2	120.06-02	2301203	提升压脚调节螺母	LIFTING PRESSER ADJUSTING NUT	1	1	1
3	120.06-03	2301204	提升压脚弹簧架	LIFTING PRESSER BRACKET FOR SPRING	1	1	1
4	120.06-04	2301205	压脚提升轴轴套	PRESSER LIFTING SHAFT BUSHING	1	1	2
5	120.06-05	2301027	压脚摆动轴套螺钉	SCREW SM11/64" X40X5.5	2	2	2
6	120.06-06	2301227	压脚提升轴	PRESSER LIFTING SHAFT	1	1	1
7	120.06-07	2301206	偏心连杆调节曲柄	ADJUSTING CRANK FOR ECCENTRICITY ROD	1	1	1
8	120.06-08	2301207	偏心连杆调节曲柄螺钉	SCREW SM1/4"	1	1	1
9	120.06-09	2301208	偏心轮连杆	ECCENTRICITY WHEEL ROD	1	1	1
10	120.06-10	2301209	偏心连杆螺钉	SET SCREW	1	1	1
11	120.06-11	2301212	偏心轮	ECCENTRICITY WHEEL	1	1	1
12	120.06-12	GB894-86	轴用C型挡圈	SNAP RING	1	1	1
13	120.06-13		偏心轮螺钉	SCREW SM1/4"X40X6	2	2	2
14	120.06-14	2301249	偏心轮连杆垫圈	WASHER	1	1	1
15	120.06-15	2301360	偏心连杆曲柄螺母	NUT	1	1	1
16	120.06-16	2301215	压脚送料曲柄	PRESSER FEED CRANK	1		
17	122.06-16	2305004	压脚送料曲柄	PRESSER FEED CRANK		1	
17	120.06-17	2301226	压脚送料曲柄连杆	PRESSER FEED CRANK LINK	1	1	1
18	120.06-18	2301216	压脚送料曲柄螺钉	SCREW	2	2	2
19	120.06-19	2301217	提升压脚簧	LIFTING PRESSER SPRING	1	1	1
20	120.06-20	2301346	压脚簧导柱	PRESSER SPRING GUIDE	1	1	1
21	120.06-21	2301219	提升压脚导柱定位板	LIFTING PRESSER GUIDE PLATE	1	1	1
22	120.06-22	2301221	压脚螺钉(定位板螺钉)	SCREW SM9/64"X40X8	3	3	3
23	120.06-23	GB879-86	弹性圆柱销	PIN	1	1	1
24	120.06-24	2301222	提升压脚定位板	LIFTING PRESSER PLATE	1	1	1
25	120.06-25	2301066	提升压脚定位板螺钉	SCREW SM11/64"X40X8	2	2	2
26	120.06-26	2301223	提升压脚簧导柱轴滚柱	LIFTING PRESSER SPRING GUIDE PIN	1	1	1
27	120.06-27	2301224	送料曲柄导柱轴	FEED CRANK GUIDE SHAFT	1	1	1
28	120.06-28	2301225	压脚送料曲柄连杆螺钉	SET SCREW	1	1	1
29	120.06-29	2301347	压脚提升曲柄	PRESSER LIFTING CRANK	1	1	1
30	120.06-30	GB117-76	圆锥销	PIN	1	1	1
31	120.06-31	2301229	压脚摆动轴轴套(右)	PRESSER SWING SHAFT BUSHING (RIGHT)	1	1	
32	120.06-32	2301027	压脚摆动轴轴套螺钉	SCREW SM11/64"X40X5.5	2	2	2
33	120.06-33	2301230	压脚摆动轴轴套(左)	PRESSER SWING SHAFT BUSHING (LEFT)	1	1	1
34	120.06-34	2301207	压脚摆动轴轴套(右)螺钉	SCREW SM1/4"X24X16	1	1	1
35	120.06-35	2301203	提升压脚调节螺母	LIFTING PRESSER ADJUSTING NUT	1	1	1
36	120.06-36	2301231	压脚摆动曲柄(右)连杆	PRESSER SWING CRANK (RIGHT) ROD	1	1	
	193.06-36		压脚摆动曲柄(右)连杆	PRESSER SWING CRANK (RIGHT) ROD			1
37	120.06-37	2301232	压脚摆动曲柄(右)连杆螺钉	SET SCREW	1	1	1
38	120.06-38	2301233	压脚摆动轴轴套(左)	PRESSER SWING SHAFT BUSHING (LEFT)	1	1	2
39	120.06-39	2401088	提升压脚变动曲柄轴组件	LIFTING PRESSER SWAY CRANK SHAFT COM.	1	1	1
40	120.06-40	2301238	提升压脚变动曲柄	LIFTING PRESSER SWAY CRANK	1	1	1
41	120.06-41	2301256	压脚送料变动连接螺母	LOCK NUT	1	1	1
42	120.06-42	2301239	压脚连杆	PRESSER ROD	1		1
	122.06-42	2305001	压脚连杆	PRESSER ROD		1	
43	120.06-43	2301240	摆动连杆座	PRESSER ROD GUIDE	1	1	1
44	120.06-44	2301241	摆动连杆座螺钉	SCREW SM9/64"X40X7	2	2	2
45	120.06-45	2301242	外压脚	OUT PRESSER	1		1
	122.06-45	2305008	外压脚	OUT PRESSER		1	
46	120.06-46	2301243	压脚连杆压板垫块	SPACE FOR PRESSER ROD PLATE	1	1	1
47	120.06-47	2301244	提升压脚连杆压板	LIFTING PRESSER ROD PLATE	1		1
	122.06-47	2305005	提升压脚连杆压板	LIFTING PRESSER ROD PLATE		1	
48	120.06-48	2301166	提升压脚连杆压板螺钉	SCREW SM11/64"X40X12	2	2	2
49	120.06-49	2301253	压脚送料变动连接螺钉	SET SCREW	1	1	1
50	120.06-50	2301246	提升压脚变动曲柄导柱	LIFTING PRESSER SWAY CRANK GUIDE PIN	1	1	1
51	120.06-51	2301247	提升压脚变动曲柄导柱螺钉	SCREW SM3/16"X28X9	1	1	1
52	120.06-52	2301248	压脚曲柄连接螺母	PRESSER CRANK CONNECTING NUT	1	1	1
53	120.06-53	2301249	压脚曲柄连接垫圈	WASHER	1	1	1
54	120.06-54	2301245	提升压脚变动曲柄连杆	PRESSER SWING CRANK (LEFT)	1	1	1
55	120.06-55	2301251	压脚摆动轴	PRESSER SWING CRANK	1		1
	193.06-55		压脚摆动轴	PRESSER SWING CRANK			1
56	120.06-56	2301237	摆动连杆座螺钉垫圈	WASHER	2	2	2
57	120.06-57	2301225	压脚送料曲柄连杆螺钉	SET SCREW	1	1	1
58	120.06-58	2301211	偏心轮连杆羊毛毡	FELT	1	1	1
59	120.06-59	2301210	偏心轮连杆羊毛毡套	FELT NIP	1	1	1
60	120.06-60	2301234	提升压脚变动曲柄滑块	LIFTING PRESSER SWAY CRANK SLIDE	1	1	1
61	120.06-61	2301250	压脚提升轴轴套A	PRESSER LIFTING SHAFT BUSHING	1	1	
62	120.06-62	2301364	送料曲柄(中)	FEED ROCK SHAFT CRANK (MIDDLE)			1
63	193.06-63		送料曲柄(中)	FEED ROCK SHAFT CRANK (MIDDLE)			1
64	193.06-64		送料曲柄连接螺钉	FEED ROCK SHAFT CRANK SCREW			1
65	193.06-65		送料曲柄(中)螺钉	FEED ROCK SHAFT CRANK SCREW			1

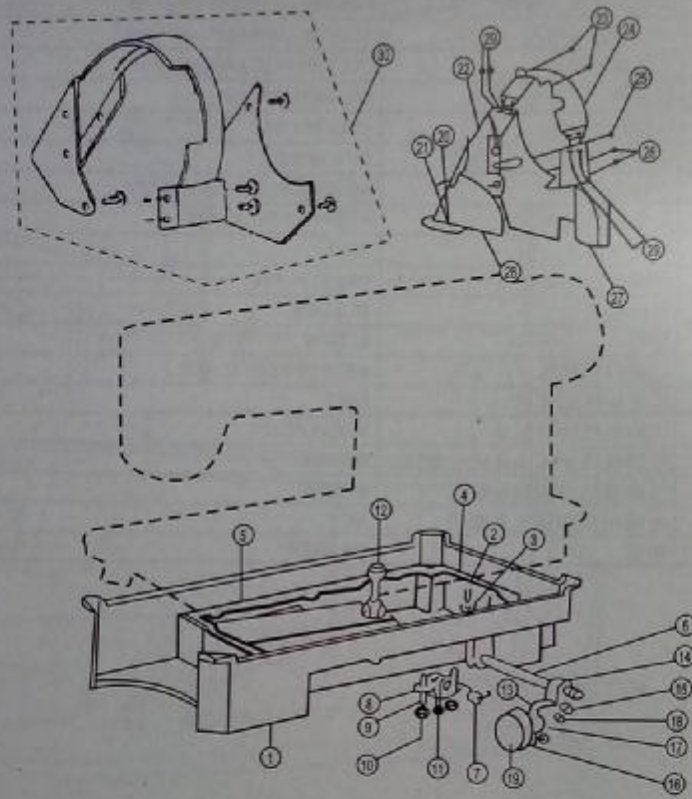
# 7、油泵部件 LUBRICATION MECHANISM



## 7.油泵部件LUBRICATION MECHANISM

序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.07-01	2301400	油泵体组件	OIL PUMP BODY ASSY.	1	1	1
2	120.07-02	SM402	油泵体螺钉	SCREW	3	3	3
3	120.07-03	2401067	油线固定板大组件	OIL BRAID FITTING PLATE	1	1	1
4	120.07-04	2301199	油线固定板螺钉	SCREW SM9/64"×40 L=11	2	2	2
5	120.07-05	2401064	上轴油管组件	OIL PIPE FOR ARM SHAFT	1	1	1
6	120.07-06	2301272	回油管	OIL RETURN PIPE	1	1	1
7	120.07-07	2301273	回油管滤油毡	FELT POUCH	1	1	1
8	120.07-08	2301275	回油管弹簧夹	PIPE HOLD	1	1	1
9	120.07-09	2401065	下轴油管组件	OIL PIPE FOR HOOK SHAFT	1	1	1
10	120.07-10	2301018	后盖板挡油板	KEEP OFF OIL PLATE	1	1	
11	120.07-11	2301018A	后盖板挡油板毡	FELT	1	1	
12	120.07-12	2301365	压脚板挡油板压条	PRESS PLATE	1	1	
13	120.07-13	2301276	回油管夹	HOLDER	1	1	
14	120.07-14		螺钉	SCREW	1	1	
15	193.07-10		后盖板挡油板	KEEP OFF OIL PLATE			1
16	193.07-11		后盖板挡油板毡	FELT			1
17	193.07-12		压脚板挡油板压条	PRESS PLATE			1
18	193.07-15		压脚板挡油板压条固定螺钉	SCREW			2
19	193.07-16		压脚板挡油板压条螺钉	SCREW			2
20	193.07-17		压脚板挡油板压条螺母	NUT			2
21	193.07-18		垫圈	WASHER			2

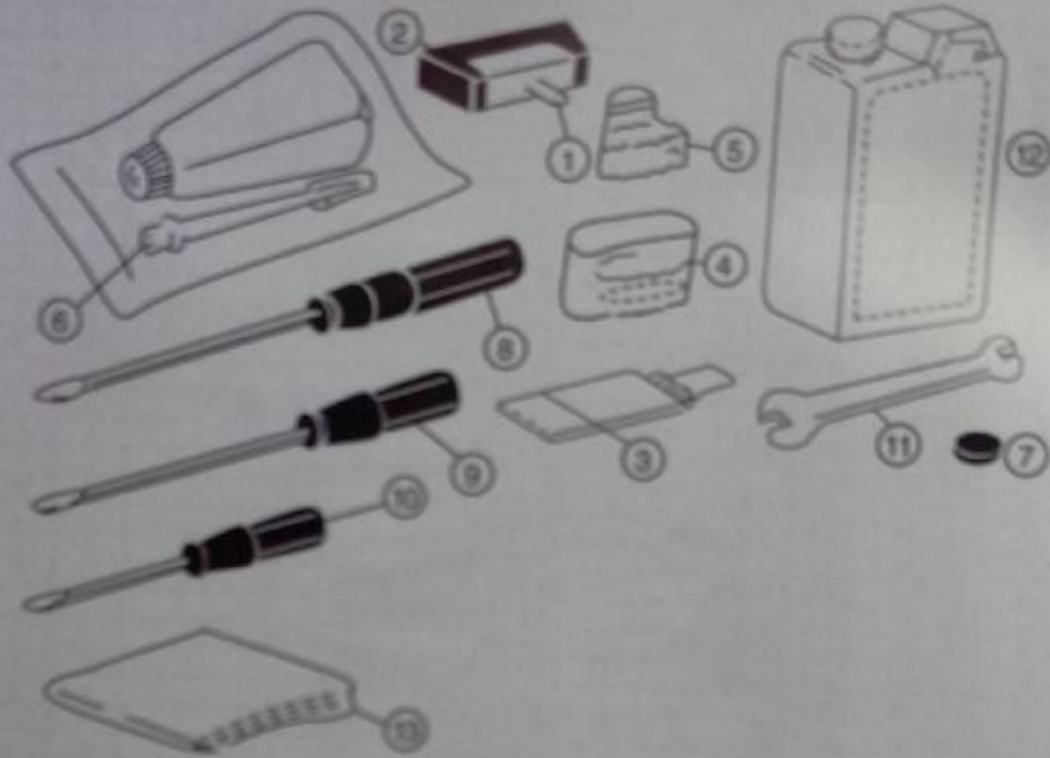
8、油盘及附件 DIL RESERVIOR AND OTHER ACCESSDRIES



8.油盘及附件RESERVOIR AND OTHER ACCESSORIES

序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.08-01	2301280	油盘	OIL RESERVOIR			
2	120.08-02	2301281	放油螺钉	OIL BRAIN SCREW	1	1	1
3	120.08-03	2301282	放油螺钉垫圈	WASHER	1	1	1
4	120.08-04	2301283	油盘垫(小)	GASKET FOR OIL RESERVOIR (SMALL)	1	1	1
5	120.08-05	2301285	油盘垫(大)	GASKET FOR OIL RESERVOIR (BIG)	1	1	1
6	120.08-06	2301284	膝控铰链轴	HINGE PIN FOR KNEE LIFTER	1	1	1
7	120.08-07	2301286	膝控复位弹簧	RETURN SPRING FOR KNEE LIFTER	1	1	1
8	120.08-08	2301287	膝控限位架	KNEE LIFTER STOP BRACKET	1	1	1
9	120.08-09	2301288	膝控限位调节螺钉	ADJUSTING SCREW	2	2	2
10	120.08-10	2301289	调节螺母	LOCK NUT	2	2	2
11	120.08-11	2301092	膝控限位架螺钉	SCREW	1	1	1
12	120.08-12	2301290	膝控提升顶杆	KNEE LIFTER STOP BRACKET	1	1	1
13	120.08-13	2301291	膝控碰块弯杆	KNEE LIFTER BELL CRANK	1	1	1
14	120.08-14	2301292	碰块弯杆接头	JOINT FOR KNEE LIFTER BELL CRANK	1	1	1
15	120.08-15	2301293	膝控碰块弯杆接头螺钉	SET SCREW	2	2	2
16	120.08-16	2301294	膝控碰块	KNEE LIFTER PLATE	1	1	1
17	120.08-17	2301295	碰块架	BRACKET FOR KNEE LIFTER PLATE	1	1	1
18	120.08-18	2301296	碰块架螺钉	SET SCREW	1	1	1
19	120.08-19	2301297	碰块垫	PAD FOR KNEE LIFTER PLATE	1	1	1
20	120.08-20	GB99-76	皮带罩木螺钉	SCREW 4.5X20	2	2	
21	120.08-21	2301304	皮带罩木螺钉垫圈	WASHER	2	2	
22	120.08-22	2301299	皮带罩(上)	BELT (UPPER)	1	1	
23	120.08-23	2301017	皮带罩板螺钉	SCREW SM11/64"X40X10	2	2	
24	120.08-24	2401095	皮带罩标志组件	BELT MARK COMPLETE	1	1	
25	120.08-25	2301302	皮带罩板螺母螺钉	SCREW	2	2	
26	120.08-26	2301303	皮带罩板螺钉	SCREW SM15/64"X28X8	2	2	
27	120.08-27	2301298	皮带罩(下)	BELT (LOWER)	1	1	
28	120.08-28	2301352	皮带罩盖	BELT COMPLETE COVER	1	1	
29	120.08-29	2301366	皮带罩板螺钉	SCREW M4X4.5	4	4	
30	193.08-20		皮带罩组件	BELT COMPLETE			1

9. 附件 OTHER ACCESSORIES

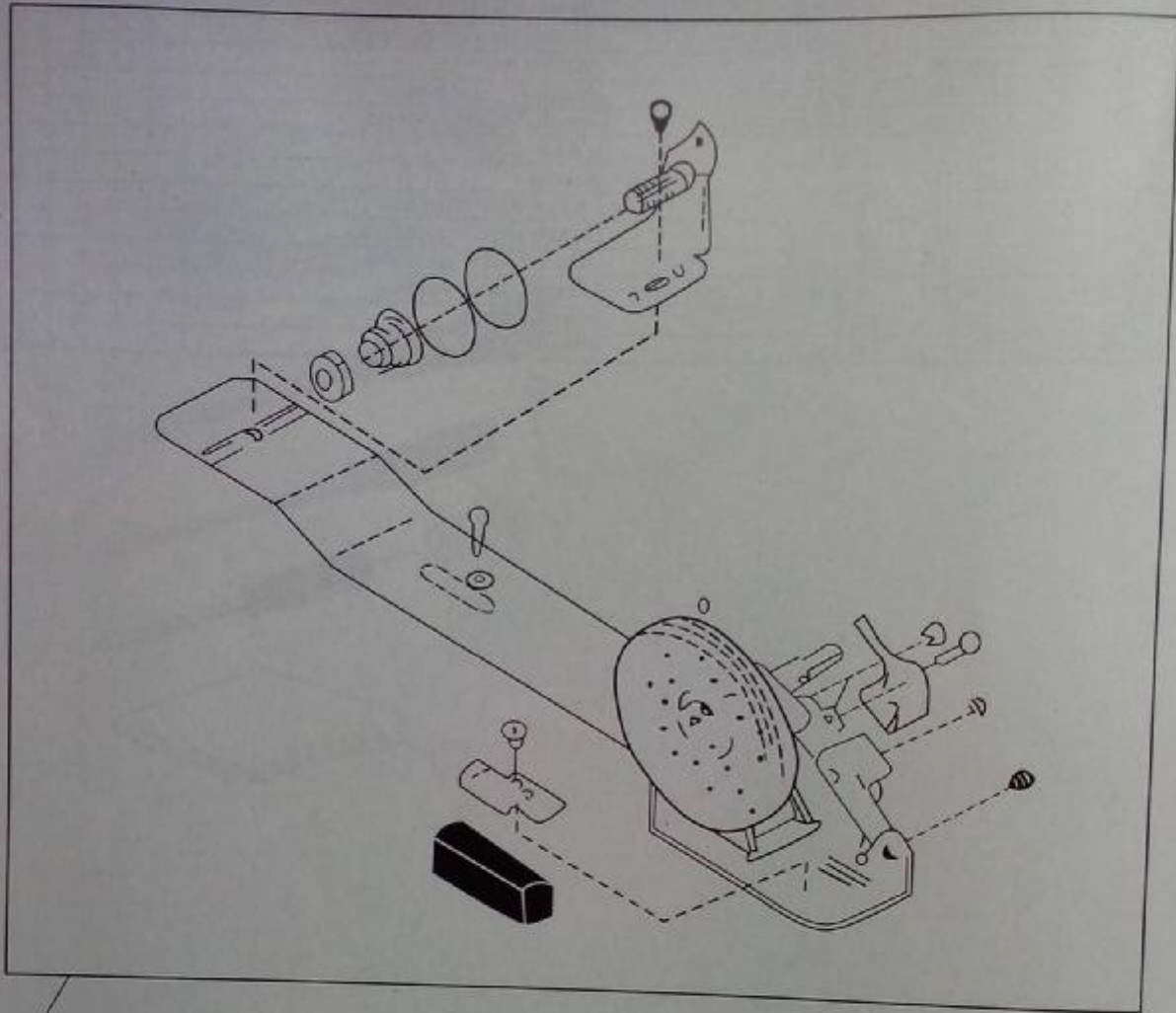


## 9. 附件 OTHER ACCESSORIES

序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.09-01	2301306	机壳铰链	HINGE OF MACHINE HEAD	2	2	2
2	120.09-02	2301307	机壳铰链套	RUBBER SOCKET FOR HINGE	2	2	2
3	120.09-03	2401100	机针	NEEDLE DPX17 22#	4	4	4
4	120.09-04	2301308	机头防振垫块(大)	RUBBER CUSHION (BIG)	2	2	2
5	120.09-05	2301309	机头防振垫块(小)	RUBBER CUSHION (SMALL)	2	2	2
6	120.09-06	2301310	小油壶	OILER	1	1	1
7	120.09-07	2301311	磁块	MAGNET	1	1	1
8	120.09-08	2301312	螺丝刀(大)	SCREW DRIVING (LONG)	1	1	1
9	120.09-09	2301313	螺丝刀(中)	SCREW DRIVING (MIDDLE)	1	1	1
10	120.09-10	2301314	螺丝刀(小)	SCREW DRIVING (SHORT)	1	1	1
11	120.09-11	2301315	双头扳子	DOUBLE-HEAD WRENCH	1	1	1
12	120.09-12	2301316	油箱	OIL CONTAINER	1	1	1
13	120.09-13	2301317	机头罩	VINYL COVER	1	1	1



# 10、绕线器 BOBBIN WINDER MECHANISM

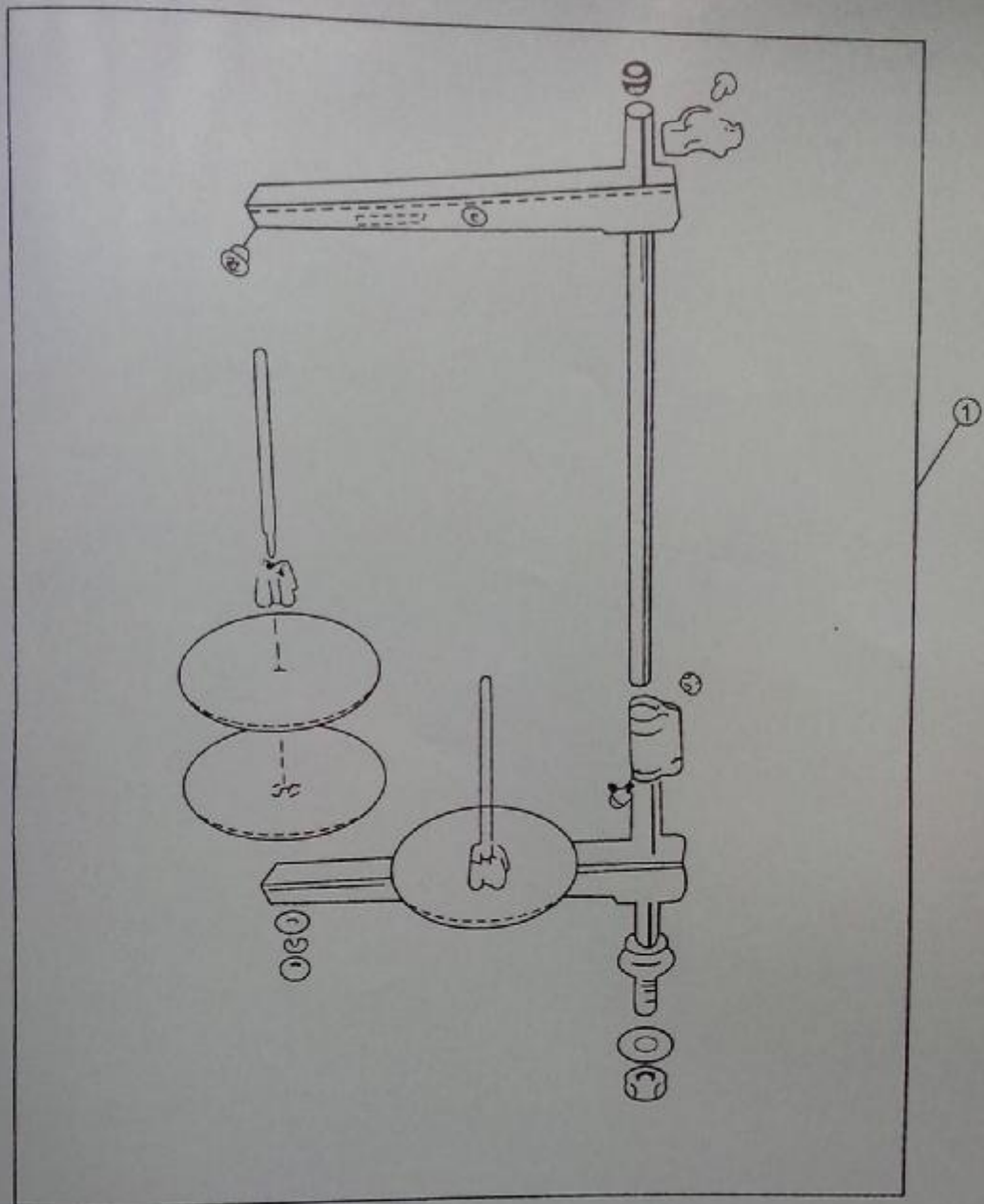


①

10.绕线器组件BOBBIN WINDER MECHANISM.

序号	图号	老图号	名称	DESIGNATION	件数		
					0718	0818	0302
1	120.10-01	2301001	绕线器组件	BOBBIN WINDER ASM	1	1	1

11. 双过线架 THREAD-RUNNING RACK.



11 线架组件 THREAD STAND MECHANISM.					件数		
序号	图号	老图号	名称	DESIGNATION	0718	0818	0302
					1	120.11-01	2301002