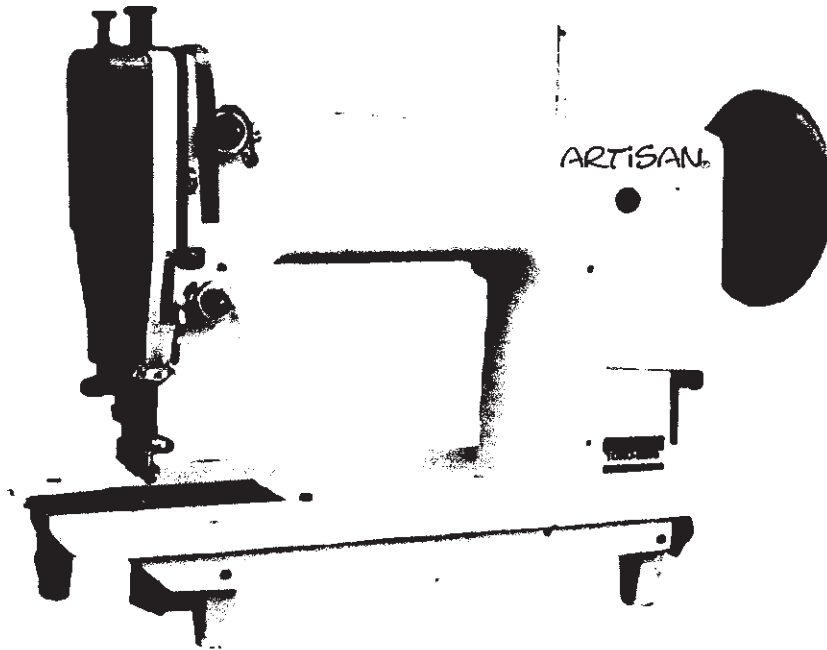

ARTISAN[®]



TORO-2600

**Operators Manual
and
Spare Parts List**

1、规格:	
Specification	
缝纫材料(缝料):	极厚的缝料(帐篷、提包、皮箱等等)
Sewing material	Extra heavy weight material (tent, bag, trunks & scat, etc.)
最高速度(缝速):	1200 转/分
Max speed	1200rpm
针杆行程:	50.8 毫米
Needle bar stroke	50.8(mm)
挑线形式:	连杆运动形式
Thread take up	Link motion type(large size)
旋梭:	大型旋梭
Hook:	Large size rotating hook
压脚提升高度:	手提 12.7 毫米; 踏板 20 毫米
Presser bar stroke	Hand 12.7(mm); pedal 20(mm)
最大线迹长度:	11 毫米
Max stitch length:	11(mm)
送料机构:	偏心机构
Feed mechanism:	Eccentric mechanism
送料系统:	上、下交替送料;
Feed system :	Alternating upper & lower feed
倒缝方式:	手动把手或脚踏下踏板使弹簧返回;
Reverse stitching:	Spring return lever or pedal system
机针:	DD×1 25#
Needle:	
线迹类型:	单针锁式线迹
Stitch type:	Single needle lockstitch
润滑方式:	半自动手工加油方式;
Lubrication:	Semi-automatic lubrication by manual
油路:	油线吸油自动滴入装置;
Oil circulation:	Automatic capillary action of oil wicks
油	白(透明)锭子油(缝纫机油)
Oil	white spindle oil
电动机:	离合器电机功率 400W
Motor	Clutch motor (400w)

2、机壳表面主要零部件名称: (图 1、Fig1.图 2、Fig2.)

Main parts name of machine head

(1) 面板 Face plate	(12) 过线勾 Thread guide	(23) 上送料提升轴 Upper feed lifting rock shaft
(2) 走步压脚调节螺杆 Walking foot pressure regulating thumb screw	(13) 夹线器组件 (下) Upper thread tension regulator (lower)	(24) 上送料提升曲柄 (左) Upper feed rock shaft crank (left)
(3) 压紧杆调节螺杆 Presser foot pressure regulating thumb screw	(14) 大线勾 Thread guide	(25) 上送料传动轴曲柄 (左) Upper feed rock shaft connecting crank (left)
(4) 上夹线器组件 Upper thread tension regulator (upper)	(15) 推板 (右) Slide plate (right)	(26) 传动轴曲柄轴滑块 Square block
(5) 贮油盖 (左) Oil tank (left)	(16) 压脚 Presser foot	(27) 上送料摆杆 Connecting lever
(6) 过线轴 Spool pin	(17) 走步压脚 Walking foot	(28) 上送料摆杆连杆 Connecting link
(7) 贮油盖 (右) Oil tank (right)	(18) 针板 Slide plate (left)	(29) 测油杆 Oil gauge
(8) 主动轮 Balance wheel	(19) 推板 Needle plate	(30) 提升杠杆拉杆 (右) Upper feed rock shaft connecting crank (right)
(9) 橡皮塞 Rubber plug	(20) 膝控提升杠杆 Knee lifter lever	(31) 上送料传动轴曲柄 (右) Lifting lever connecting rock (right)
(10) 倒缝杠杆操纵板 Reverse stitch lever	(21) 上送料传动轴 Upper feed rock shaft	
(11) 挑线杆 Thread take-up lever	(22) 上送料提升曲柄 (右) Upper feed lifting rock shaft crank(right)	

3、机器运转前的准备: (润滑)

Preparation before starting to operate

1) 缝制工作前的润滑:

Lubrication before starting to sew:

像其它的机器一样, 操作人员在开始工作时必须要把机器的各润滑处和油箱供给必需有充足的油, 以对润滑处充分的润滑。

具体的机器应该在起动后在缝制之前, 按下列顺序在活动处加润滑油。

As the machine is drip lubrication from the oil reservoir, it is necessary to give oil thoroughly into the reservoir before starting operation each day.

Before starting to sew lubricate oil in following order.

(1) 在缝纫工作前的润滑:

Lubrication before starting to sew:

在机器起动后待缝纫以前, 应将润滑油入如图 3-图 5 的箭头所示的部位。

用手缓慢地转动主动轮, 将润滑油滴入机器的旋转和活动部位。

Before starting to sew, lubricate oil in the arrowed parts of fig 3 to 5.

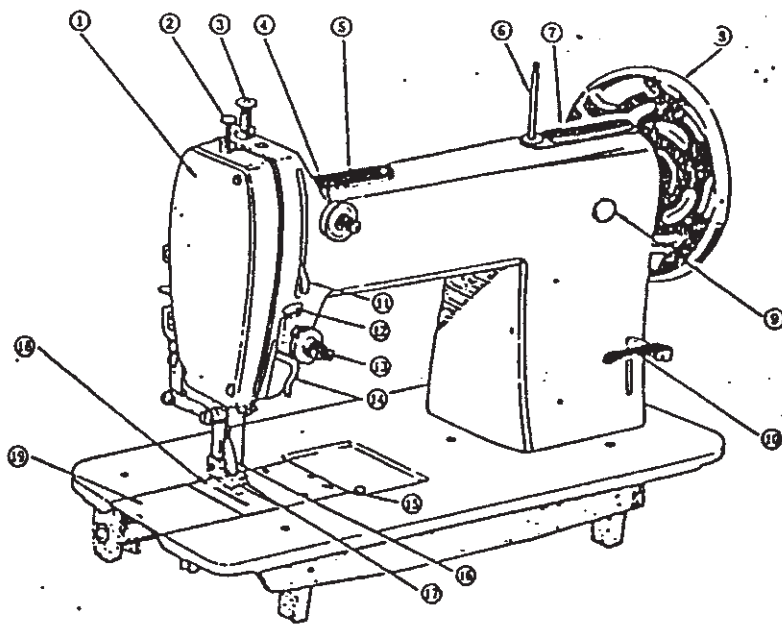


Fig. 1

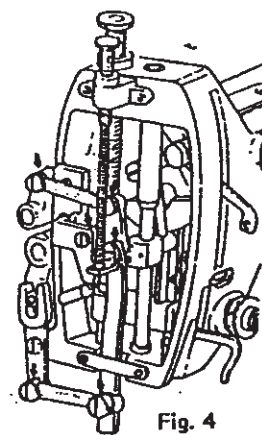


Fig. 4

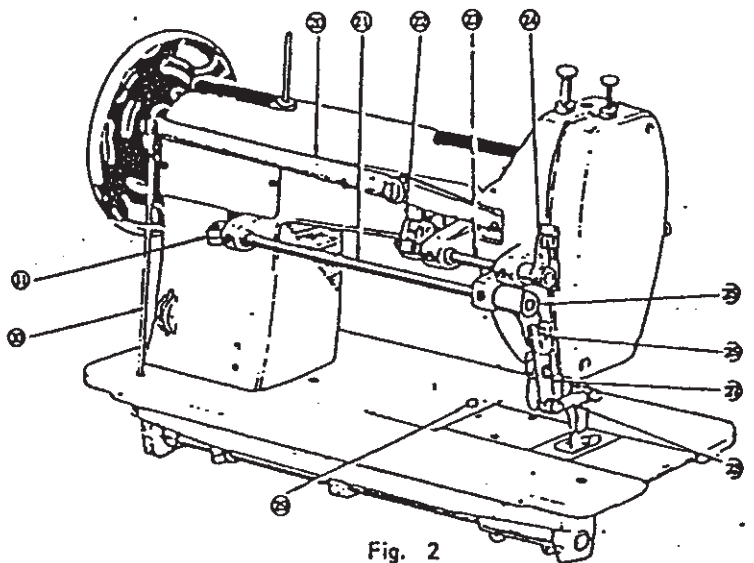


Fig. 2

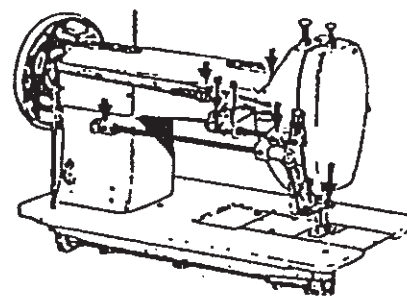


Fig. 5

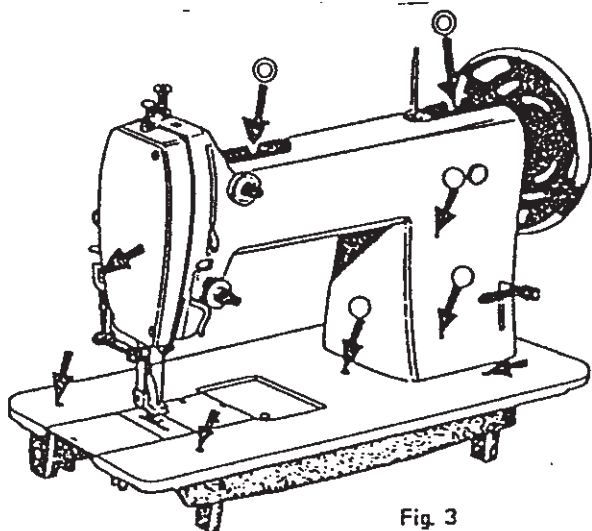


Fig. 3

To lubricate up to the rotating parts of machine, lubricate oil by rotating the balance wheel slowly by hand

(2) 润滑油的用量:

Volume of lubrication:

① → ---5cc 左右

---About 5-6 drops

② → ---5-6 滴左右

---About 5-6 drops

③ → ---1-2 滴左右

---About 1-2 drops

(3) 机器底板供油润滑的油箱:

Lubrication for machine bed oil tank:

用手将油量测油杆抽出，然后向圆孔内倾注润滑油。当油箱内油量低于测油杆刻度 (t) 时，如图 6 说明箱内的油量不足，这时油就不可能润滑到机器各自的需要润滑的部位和旋梭，为了防止这种情况，必须将油倾注箱内到充分足够，以防机器的咬死。

Pour oil up to the position on the oil gauge pulling out by hand (fig6)

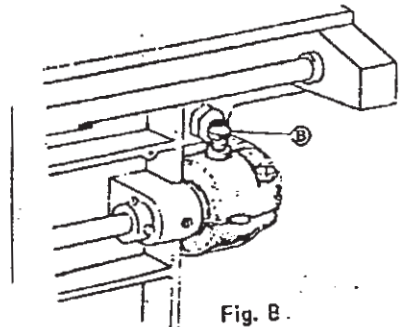
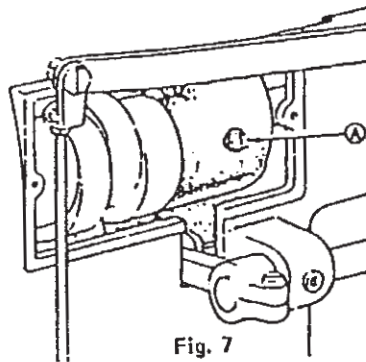
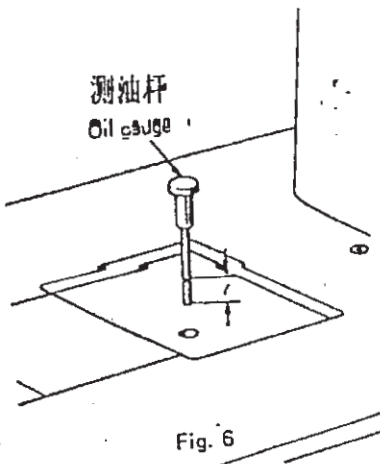
In case of oil volume is insufficient, it will not lubricate to respective necessary parts and hook, so be sure to check it occasionally and replenish sufficiently to prevent locking-up of the machine.

2) 润滑脂的运用:

Application of grease:

拧开螺钉或橡皮塞 A 和 B，如图 7-图 8 就可以向齿轮箱注入或更换润滑脂。

Apply grease into the gear box by removing the greasing hole screw by rubber plug (A) and (B) (Fig7-8)



4、机针安装的方法:

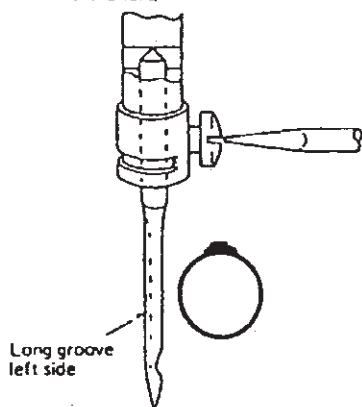
How to attach needle:

注意: 在工作中机针安装的正确位置应该下列的方法进行调整和转换。

Note: Before making the following adjustment, switch off the power source by all means.

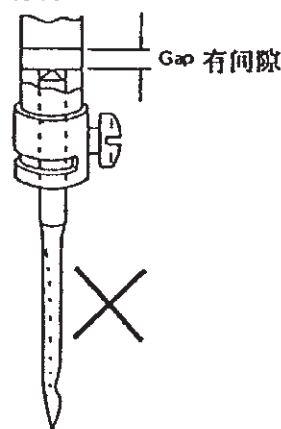
将机针的头部插入到
针杆孔的底部, 并将机
针的长槽朝着图示左边
拧紧螺钉用于夹直并紧
固。

Insert the needle up to the bottom of needle clamp and tighten the screw keeping the long groove side of needle toward the left.



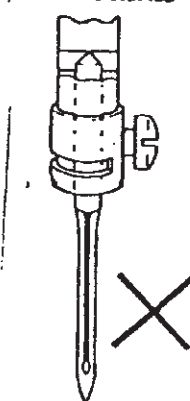
机针插入位置不足 (有间隙)

Insufficient insertion



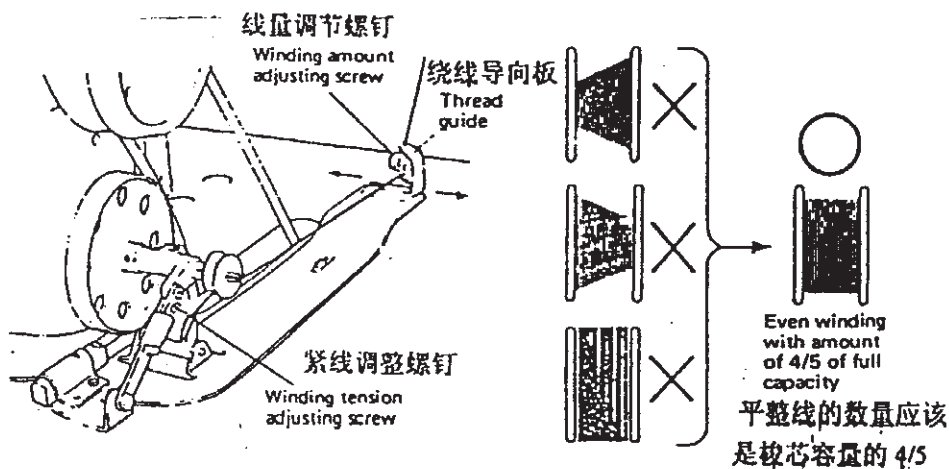
机针长槽方向不对

Needle distorted



5、梭心绕线的方法:

How to wind the lower thread on the bobbin



注意: 梭心绕线时, 应将缝纫机的压脚抬起, 然后将绕线器与缝纫机一起旋转。

Note: In case of rotate the machine with sewing, keep the presser foot raised.

绕线调整: **绕线强度: 如果缝线是尼龙线, 则绕线时需要梭芯绕线相对松弛。

Adjustment: Strength of winding: particularly in case of nylon thread, It is desirable that the bobbin is wound enough loose.

**绕线的不平整: 当绕线出现高低不平时, 便可调整绕线器上导向器, 使其尽可能朝梭芯中心位置靠近 (微量调整), 这样便可得到平整的绕线。

Uneven winding: In case of uneven winding, adjust the thread guide slightly toward less wound part of bobbin so that to obtain even winding.

**绕线的线量: 绕线时, 若发现绕线松散或线量不足时, 可调整螺钉这样可使绕线绷紧而平整。

Winding amount of thread: When the winding amount of thread is excessive loosen adjusting screw and tighten when insufficient.

6、穿线:

Threading:

注意: 这些导线孔 (C) 上的棉线, 应合理的恰当的安放在线轴上面。

将挑线杆处于最高的位置, 此时穿线应按照图 9 所示编号的顺序依次地进行穿线。

Note: The thread guide (c) of cotton stand is to be put just above of spool.

Raise the thread take-up lever to its highest position and thread the upper thread in the following order (Fig9).

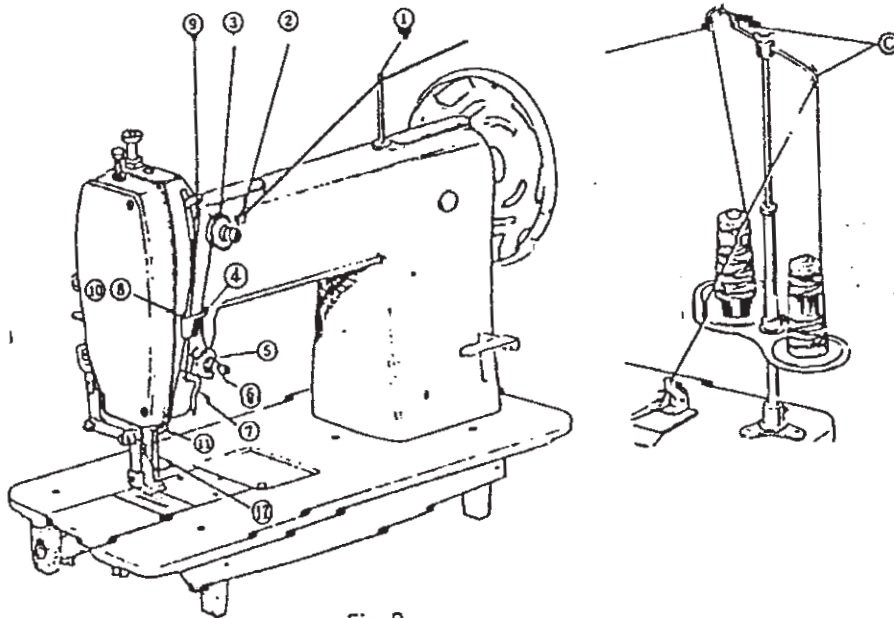


Fig. 9

7、调节线迹的长度:

Adjustment of stitch length:

(1) 取下机壳上的橡皮塞 A: (图 10)

Remove the rubber plug (A) on the machine arm (Fig10).

(2) 用手旋转主动轮以拧松两螺钉 (B): (图 11)

Loosen the two screw (B) by rotating the balance wheel by hand (Fig11).

(3) 然后将主动轮旋转 90° (1/4 圈), 通过调节螺钉 (E) 以调整线迹的长度: (图

12)

Then rotate the balance wheel by about 90° (1/4 rotation) toward the other side and adjust the stitch length by adjusting screw (E) to increase the stitch length turn it

- (4) 调整好之后紧固螺钉 (B):
After the adjustment tighten the screw (B) firmly.
- (5) 螺钉 (D) 不要拧松: (图 11)
The screw (D) is not required to loosen: (Fig 11)

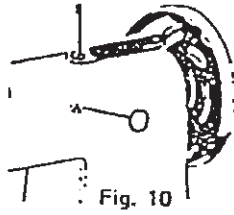


Fig. 10

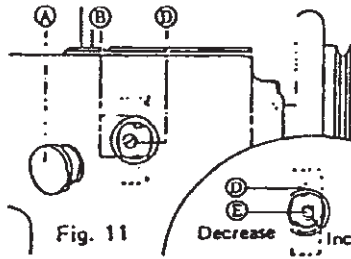





Fig. 11



Fig. 12

8、缝线张力的调整:

Adjustment of thread tension:

 <p>○ 满意均衡的线迹 Well balanced stitch</p>	 <p>× 面线张力大于底线张力时的情况 In case of upper thread is strong or lower thread is too weak</p>	 <p>× 底线张力大于面线张力时的情况 Increase of upper thread is too weak or lower thread is too strong</p>
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9、面线的张力:

Upper thread tension:

**应根据底线的张力来调整面线:

Upper thread is adjusted according to the lower thread tension;

**用手指调节夹线螺母来调整面线的张力:

Upper thread tension is adjusted by tension regulating thumb nut;

当用特别的线和特别的缝料在一起缝纫时, 则要调整挑线簧的张力和它的工作幅度 (摆动幅度) 才能得到合适的线的张力。

For special fabric sewing with special thread, the desired tension can be obtained by adjusting the strength and operating range of thread take-up spring.

10、底线的张力:

Lower thread tension

调整螺钉 (A) 便可调节底线的张力, 在采用 3 号棉线的情况下, 将梭芯装入梭芯套, 将线抽出并穿过梭皮, 捏住线头吊起梭芯套让其缓慢落下, 这时便可得到控制合适的线的张力。

Lower thread tension can be adjusted by screw A.

In case of cotton thread No.3, the regular thread tension can be checked as the following. Hold the end of pulled out thread, and if the bobbin case fall slowly, the proper tension is obtained.

11、压脚压力的调整:

Adjustment of pressure of the presser foot

用拇指调节下螺杆 (A) 的方法, 便可调整压脚的压力。

Adjustment of pressure of presser foot can be done by means of the presser regulating thumb screw (large).

向右转动螺杆, 可以使压力增强:

Turn the screw to the right to strengthen.

向左转动螺杆, 可使压力减弱:

Turn the screw to the left to weaken.

用拇指调节大螺杆 (B) 的方法, 便可调整走步压脚的压力。

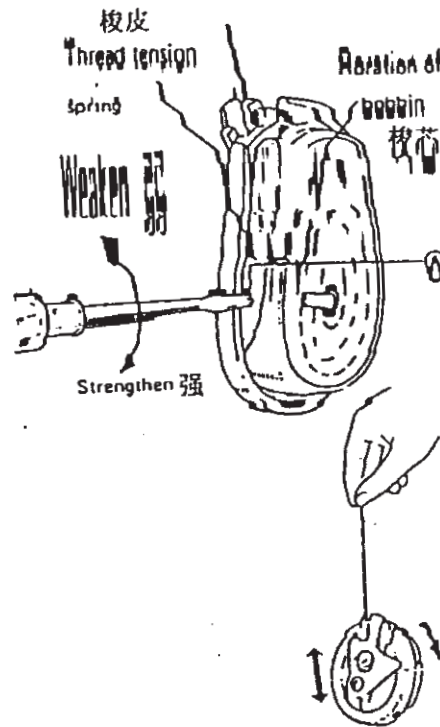
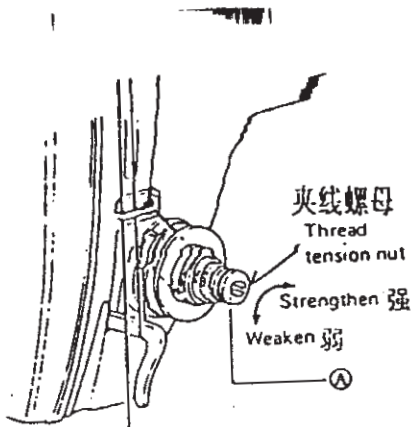
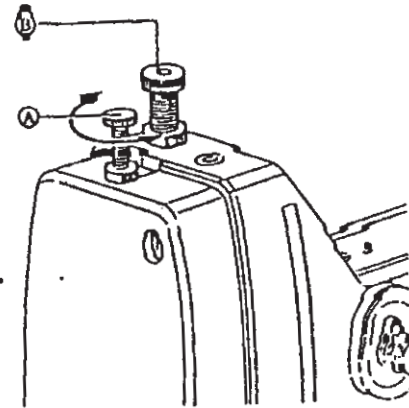
Adjustment of pressure of walking foot can be done by means of the presser regulating thumb screw (small).

向右转动螺杆, 可以使压力增加:

Turn the screw to the right to strengthen.

向左转动螺杆, 可以使压力减弱:

Turn the screw to the left to weaken.



12、走步压脚与压脚的调整:

Adjustment of walking foot and presser foot

1) 调整它们的交替运动和高度:

Adjustment of alternating movement and height

正确地调节走步压脚与压脚的交替运动, 便可调整送料的平稳而使缝料可获得更平稳和正常地送料

The amount of movement is evenly adjusted as it is. But adjust the walking foot and presser foot alternating movement changing it evenly according to the material to be sewn so that more smooth normal feeding can be obtained.

为了得到更有效的使缝料向前滑动的要求, 那么可以减小压脚的运动及增大走步压脚的运动,

调整方法：(图 13) How to adjust (Fig. 13)

- (1) 用手转动主动轮，当挑线杆处于最低位置使则停止转动：
Rotate the balance wheel by hand and stop it when the thread take-up lever would be downward to its lowest position.
- (2) 放下压脚板手：
Lower the presser bar lifter.
- (3) 旋松上送料提升曲柄(右)上的二个螺钉(A)：
Loosen the two screw(A) of the upper feed lifting rock shaft crank(right).
- (4) 使上送料提升曲柄(左)向右移动而改变位置。此时，压脚的运动将会减小，而向走步压脚的运动将增大；
In proposition to moving the upper feed lifting rock shaft crank(left) to the right, the presser foot movement would be decreased and walking foot movement would be increased.
- (5) 面向左移动而改变位置，则会得到相反的有效结果；
On the contrary, in case move to the left, the opposit effectiveness would be resulted.
- (6) 在调整结束后，拧紧二个螺钉(A)。
After the adjustment tighten the two screws(A) firmly.

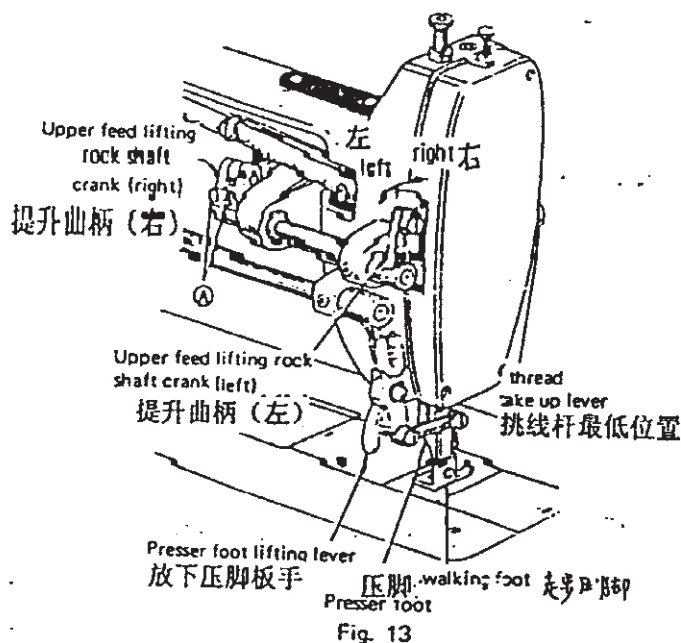


Fig. 13

13、调整走步压脚合适的运动时间(同步): Adjustment of proper timing movement of walking foot

根据缝料的变化而适当地调整针距可得到在制作中走步压脚合适的活动时间，以此可以得到迅速或者缓慢的送料运动。

According to variation of fabrics to be sewn appropriate stitching adjustment can be obtained by means of making a timing of the walking foot movement faster or slower against the feed dog movement.

调整的方法: (图 14) How to adjust (Fig. 14)

- (1) 旋松压脚提升凸轮轴上的螺钉 (B);
Loosen the eccentric ring set screw(B) on the back of arm.
- (2) 用开刀按住螺钉, 用手缓慢转动主动轮迫使调整压脚提升凸轮的偏心;
While fixed the eccentric by hand or screw driver, adjust it rotating the balance wheel slowly by hand.
- (3) 将主动轮朝操作方向旋转时, 这时走步压脚运动时间将减慢;
Rotate the balance wheel toward your side so that the timing of walking foot movement would be slower.
- (4) 将主动轮朝另一方向旋转时, 这时走步压脚运动时间将加快;
Rotate the balance wheel toward the other side so that the timing of walking foot movement would be faster.
- (5) 在将压脚提升凸轮调整成图 14 所示箭头方向, 则拧紧螺钉 (B);
After the adjustment tighten the screw(B) firmly pushing the eccentric ring to the way of arrow shown in Fig

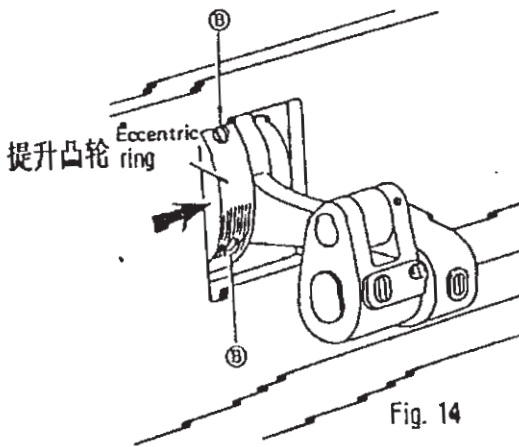


Fig. 14



Fig. 15

14、压脚与起步压脚之间的间隙 (图 15): A gap between the presser foot and walking foot

压脚与起步压脚之间的间隙 C 应有一定的距离, 请按下述的方法将它们之间调整到一个合适的位置。

In case of gap(C) of presser foot and walking foot is wider excessively, and either presser feet are touched please adjust it in the position described as following.

调整的方法:
How to adjust

- (1) 旋松上送料传动曲柄 (右) 螺钉 (D);
Loosen the screw(D) on the upper feed rock shaft crank(right).
 - (2) 适当移动走步压脚向前或向后, 可以调整间隙;
Adjust the gap properly moving the walking foot back and forth.
 - (3) 调整结束后, 拧紧螺钉 (D);
After the adjustment tighten the screw(D) firmly.
- 机器交货时, 间隙应调整为 3mm, 最大线迹长度为 12.7mm.

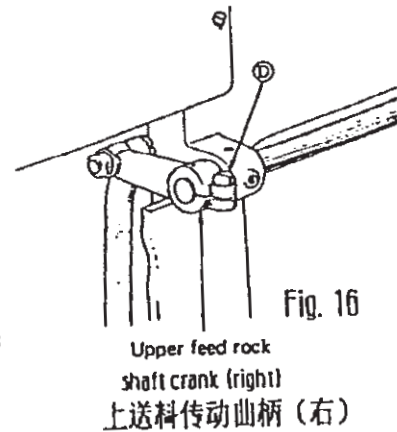


Fig. 16

15、上、下送料之间的时间:

Timing between upper and lower feed

为了得到相当的送料活动，则要调整上送料。根据缝料的变化而适当地调整针距，可得到在制作中走步压脚合适的活动时间，以此得到迅速或者缓慢的送料运动。

The amount of feed dog movement is evenly adjusted for the upper feed amount. But according to the material to be sewn appropriate stitching can be obtained by means of making a timing of the walking foot movement faster or slower against the feed dog movement.

调整方法: (图 17)

How to adjust (Fig. 17)

- (1) 旋松上送料传动曲柄(左)螺母:
Loosen then nut on the upper feed lifting rock shaft crank (left).
- (2) 将传动轴曲柄滑块向上滑动, 则减小走步压脚的运动, 而向下滑动则增强走步压脚的运动:
To decrease the movement, slide the square block upward and to increase for the downward.
- (3) 调整后, 则要拧紧螺母:
After the adjustment tighten the nut firmly.

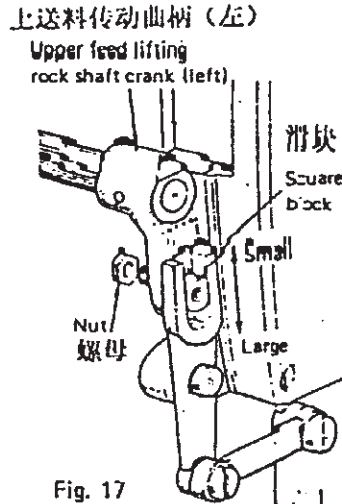


Fig. 17

16 旋梭和机针合理位置的调整:

The position of the hook and needle

- (1) 用手转动主动轮、使机针向下降到最低位置。
Turn the balance wheel by hand so that the needle comes to its lowest position.
此后机针从原来下降的位置再上升 4.5mm, 这使旋梭的勾线尖的位置应与机针的中心线是一致的。(图 19)
Thereafter, raise the needle by 4.5mm from the lowest position, and then adjust the hook so that the tip of hook comes to the center line of the needle (Fig.19).

此时旋梭的勾线尖的位置应与针孔上端之间的距离为 1.5mm。

At the same time, adjust the height of needle so that the gap between upper side of needle thread hole and the tip of hook would be 1.5mm.

- (2) 如图 19 所示, 此时机针凹面与旋梭勾线尖的间隙为 0.05mm。

The gap between the concave face of the needle and tip of hook would be approx. 0.05mm as

- (3) 旋松针杆接头上螺钉(A) (图 18) 用手将针杆向上或向下移动位置, 以此来调整机针的高度, 调整后则应旋紧螺钉(A)。

To adjust the height of needle, loosen the screw (A) of the needle bar holder (Fig. 18) and move the needle bar up and down by hand.

After the adjustment tighten the screw(A) firmly.

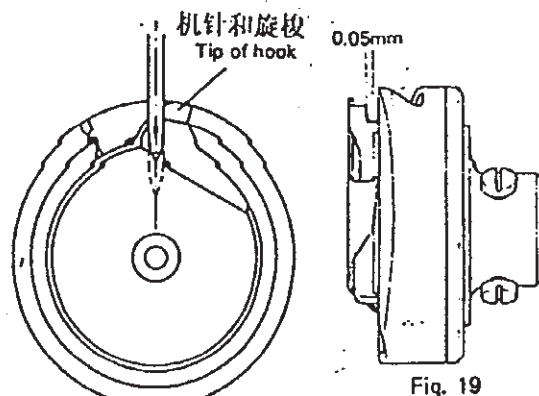
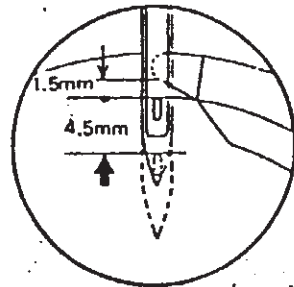
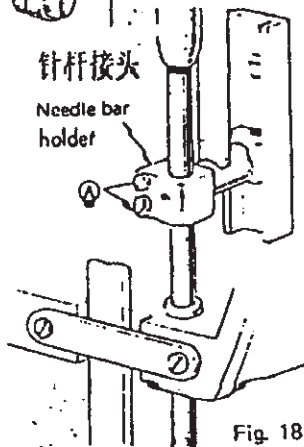


Fig. 19

注意：由于机头重量较大，在安装时为了避免机头倾翻，请见图（Fig）20 的安装尺寸。

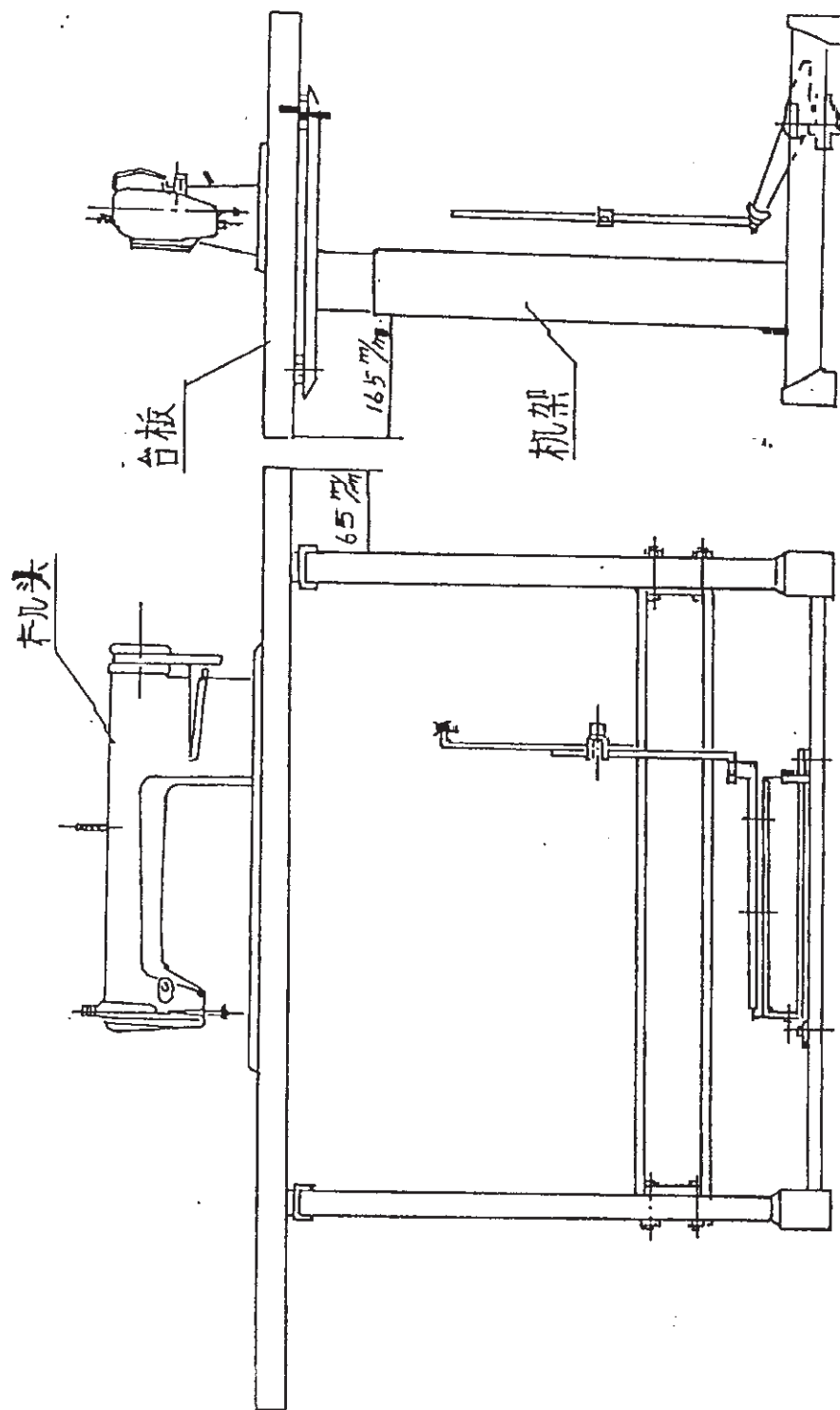
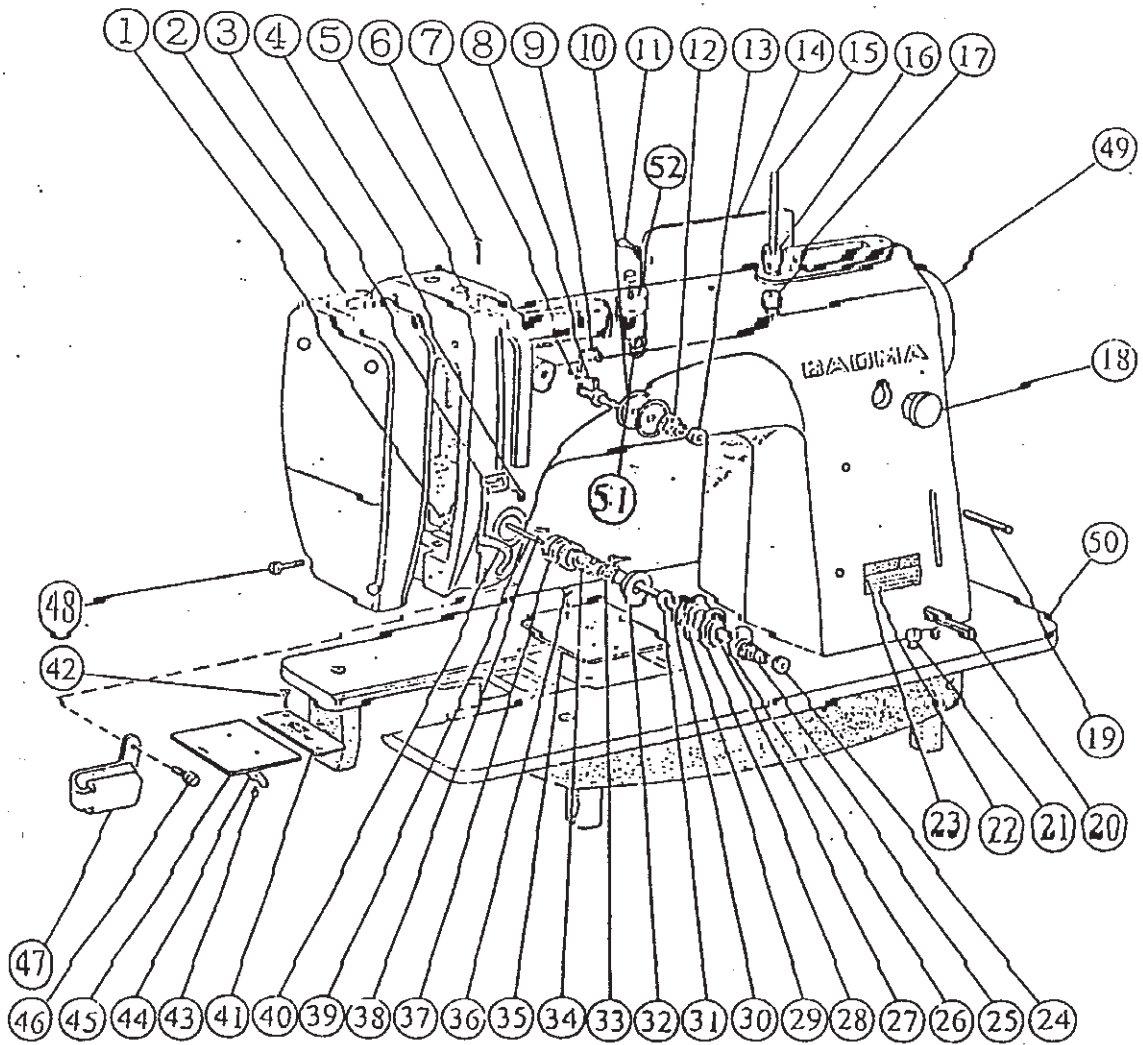


图 (Fig) 20

2



2

机壳部件

ARM BED & ITS ACCESSORIES

序号 NO.	图号 REF. NO	名称 DESE	件数 PCS.	备注 REMARKS
1	BM12-01-017	大线勾螺钉 Upper thread guide screw	2	SM11/64" (4.37)*40/15
2	BM12-01-003	面板 Face plate	1	
3	BM12-01-004	线勾 Thread guide(middle)	1	
4	22T1-003C6	线勾螺钉 Screw	2	SM9/64" (3.57)*40/6
5	BM12-01-020	挑线杆防护罩 Thread take-up lever guard	1	
6	72T1-003	挑线杆防护罩螺钉 Thread take-up lever guard screw	2	SM11/64" (4.37)*40/8
7	BM12-01-006B1	上夹线螺钉 Tension stud	1	
8	72T1-013	上过线勾螺钉 Screw	1	SM11/64" (4.37)*40/8
9	BM12-01-007	上过线勾 Thread guide(upper)	1	
10	BM12-01-006B2	上夹线板 Tension disc	2	
11	72T1-017	后盖板螺钉 Screw	2	SM11/64" (4.37)*40/6
12	BM12-01-006B3	上火线簧 Tension spring	1	
13	BM12-01-006B4	上火线螺母 Tension regulating thumb nut	1	
14	BM12-01-005	后盖板 Arm side cover	1	
15	BM12-01-008C2	过线轴 Thread spool pin	1	
16	BM12-01-008C1	过线轴架 Thread spool stand	1	
17	BM12-01-008C3	过线轴架螺母 Nut thread spool stand	1	SM15/64" (5.95)*28
18	72T1-004C3	橡皮塞 Rubber plug	1	Φ 19
19	BM12-01-018	竖轴油管(上) Oil pipe (upper)	1	

2

机壳部件

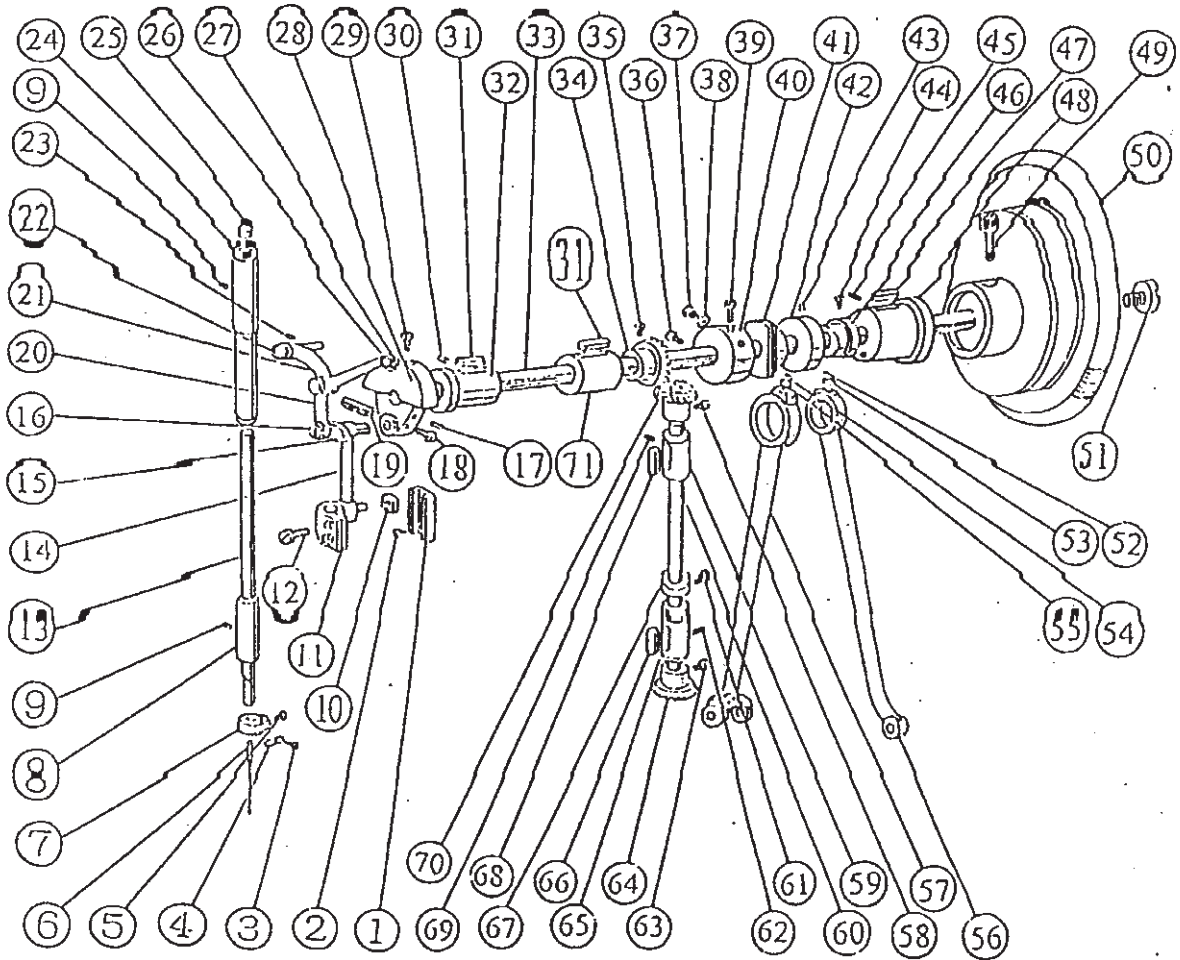
ARM BED & ITS ACCESSORIES

序号 NO.	图号 REF. NO	名称 DESE	件数 PCS.	备注 REMARKS
20	BM12-01-019	竖轴油管(下) Oil pipe (lower)	1	
21	BM12-01-009	油盖 Oil cap	5	
22	BM12-01-002	标牌 Trade mark plate	1	
23	GB827	标牌铆钉 Trade mark plate rivet	2	φ 2.5*5
24	BM12-01-006B4	夹线螺母 Tension regulating thumb nut	1	
25	BM12-01-011D1	夹线簧 Tension spring	1	
26	72T1-007F2	松线板 Tension releasing disc	1	
27	BM12-01-011D5	夹线螺钉 Tension stud	1	
28	BM12-01-011D3	夹线板(1) Tension disc(1)	1	
29	BM12-01-011D2	夹线(2) Tension disc(2)	1	
30	BM12-01-011D4	毛毡 Felt	1	
31	GB896	开口挡圈 C-type stop ring	1	挡圈 5
32	BM12-01-011D6	张力调节套 Tension adjusting bushing	1	
33	BM12-01-011D7	挑线簧 Tension take-up spring	1	
34	BM12-01-011D8	扭簧 Spring	1	
35	BM12-01-013	推板(右) Slide plate(right)	1	
36	BM12-01-014	推板螺钉 Set screw	2	SM3/16" (4.76)*28/8
37	BM12-01-011D9	夹线座 Tension regulating	1	
38	72T3-005D1a3	夹线座螺钉 Screw	1	SM15/64" (5.95)*28/7

机壳部件
ARM BED & ITS ACCESSORIES

序号 NO.	图号 REF. NO	名称 DESE	件数 PCS.	备注 REMARKS
39	BM12-01-011D10	挺线钉 Tension releasing pin	1	
40	BM12-01-012	大线勾 Upper thread guide	1	
41	BM12-01-015	针板 Needle plate	1	
42	BM12-01-014	针板螺钉 Screw	2	SM3/16" (4.76)*28/8
43	BM12-01-016E3	推板簧螺钉 Screw	2	
44	BM12-01-016E2	推板簧 Spring for slide plate	1	
45	BM12-01-016E1	推板(左) Slide plate(left)	1	
46	22T1-003C6	线勾螺钉 Screw	1	SM9/64" (3.57)*40/6
47	BM05-01-013	下过线 Thread guide(lower)	1	
48	BM12-01-017	面板螺钉 Screw	4	SM11/64" (4.37)*40/15
49	BM12-01-001A2	机壳加工图 Processing drawing for arm	1	
50	BM12-01-001A4	底板加工图 Processing drawing for base plate	1	
51	GB119-86	圆柱销	1	φ5X20
52		油杯	1	外购

3



3

针杆挑线. 上轴整轴部件

ARM SHAFT NEEDLE BAR & THREAD TAKE-UP LEVER MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
1	BM12-02-009	针杆接头滑块导轨 Needle bar connecting link guide	1	
2	22T2-019	滑块导轨螺钉 Set screw	2	SM11/64" (4.37)*40/8
3	22T8-011C4	针夹过线环螺钉 Set screw	1	SM9/64" (3.57)*40/4.5
4	BM12-02-015	针夹过线环 Thread guide for needle clamp	1	
5	22T5-001A4	针夹螺钉 Set screw	1	SM15/64" (5.95)*28/10
6		机针 Needle	1	DD*1 25#
7	BM12-02-014	针夹 Needle clamp	1	
8	BM12-02-012	针杆下轴套 Needle bar bushing(lower)	1	
9	22T1-011	针杆轴套螺钉 Set screw	2	SM11/64" (4.37)*40/4.5
10	BM12-02-008	针杆接头滑块 Needle bar connecting block	1	
11	BM12-02-006	针杆接头 Needle bar holder	1	
12	BM12-02-007	针杆接头螺钉 Set screw	2	SM3/16" (4.76)*32/12
13	BM12-02-013	针杆 Needle bar	1	
14	BM12-02-005	针杆连杆 Needle bar connecting link	1	
15	BM12-02-003	挑线曲柄 Thread take up lever crank	1	
16	BM12-02-004	挑线曲柄螺钉 Set screw	1	SM9/64" (3.57)*40(左旋)
17	BM12-02-016B4	针杆曲柄螺钉 Set screw	1	SM9/32" (7.14)*28/10
18	BM12-02-016B3	挑线曲柄销螺钉 Set screw	1	SM3/16" (4.76)*28/10
19	BM12-02-016B2	挑线曲柄销 Thread take up lever crank pin	1	

3

针杆挑线. 整轴上轴部件

ARM SHAFT NEED BAR & THREAD TAKE-UP LEVER MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
20	BM12-02-001A1a1	挑线杆 Thread take-up lever	1	
	BM12-02-001A1a4	挑线杆铰链轴 Hingo pin		
21	BM12-02-001A1a5	挑线连杆 Thread take-up lever link	1	
22	BM12-02-002	挑线连杆铰链轴 Thread take-up lever hinge pin	1	
23	22T2-002	挑线连杆铰链轴螺钉 Set screw	1	SM15/64" (5.95)*28/10
24	BM12-02-011	针杆上轴套 Needle bar bushing (upper)	1	
25	BM12-02-010	毡塞 Felt	1	
26	BM12-02-001A1a2	挑线杆孔套 Socket for thread take-up lever	1	
27	BM12-02-001A1a3	挑线杆孔套螺钉 Set screw	1	SM3/32" (2.38)*56/8
28	BM12-02-016B1	针杆曲柄 Crank	1	
29	22T2-007	挑线曲柄定位螺钉 Set screw	1	SM9/32" (7.14)*28/14
30	22T2-002	上轴轴套螺钉 Set screw	1	SM11/64" (5.95)*28/10
31	BM12-03-003	上轴轴套油封塞 Felt	2	
32	BM12-03-002	上轴轴套(左) Arm shaft bushing (left)	1	
33	BM12-03-001	上轴 Arm shaft	1	
34	BM12-03-016B1	上轴伞齿轮 Bevel gear for arm shaft	1	
35	BM12-03-016B2	伞齿轮螺钉 Set screw	2	SM1/4" (6.35)*40/8
36	22T5-001A4	送布凸轮座定位螺钉 Set screw	2	SM15/64" (5.95)*28/10
37	72T1-013	送布凸轮座螺钉 Set screw	2	SM11/64" (4.37)*40/5.5
38	GB93	垫圈 Washer	2	垫圈 5

针杆挑线、竖轴上轴部件

ARM SHAFT NEEDLE BAR & THREAD TAKE-UP LEVER MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
39	BM12-03-004A3	送布凸轮调节螺钉 Thumb screw for feed cam	1	SM3/16" (4.76)*28/18
40	BM12-03-004A2	送布凸轮座 Feed cam regulator	1	
41	BM12-03-004A1	送布凸轮 Feed cam	1	
42	BM12-03-008	轴环 Collar	1	
43	22T2-002	轴环螺钉 Set screw	2	SM15/64" (5.95)*28/10
44	22T5-001A1	抬牙凸轮螺钉 Set screw	2	SM15/64" (5.95)*28/10
45	22T2-002	上轴轴套螺钉 Set screw	1	SM15/64" (5.95)*28/10
46	BM12-03-009	抬牙凸轮 Feed lifting cam	1	
47	BM12-03-003	上轴轴套油封塞 Felt	1	
48	BM12-03-011	上轴轴套(右) Arm shaft bushing (right)	1	
49	BM12-03-014	主动轮螺钉 Set screw	2	SM9/32" (7.14) *28/16
50	BM12-03-013	主动轮 Balance wheel	1	
51	BM12-03-015	主动轮吊紧螺钉 Set screw	1	SM11/32" (8.73)*28/16
52	BM12-03-007	油毡弹簧夹 Spring	1	
53	BM12-03-006	油毡塞 Felt	1	
54	BM12-03-007	油毡弹簧夹 Spring	1	
55	BM12-03-006	油毡塞 Felt	1	
56	BM12-03-010	抬牙连杆 Feed lifting	1	
57	BM12-03-005	送布连杆 Feed rock shaft connecting rod	1	

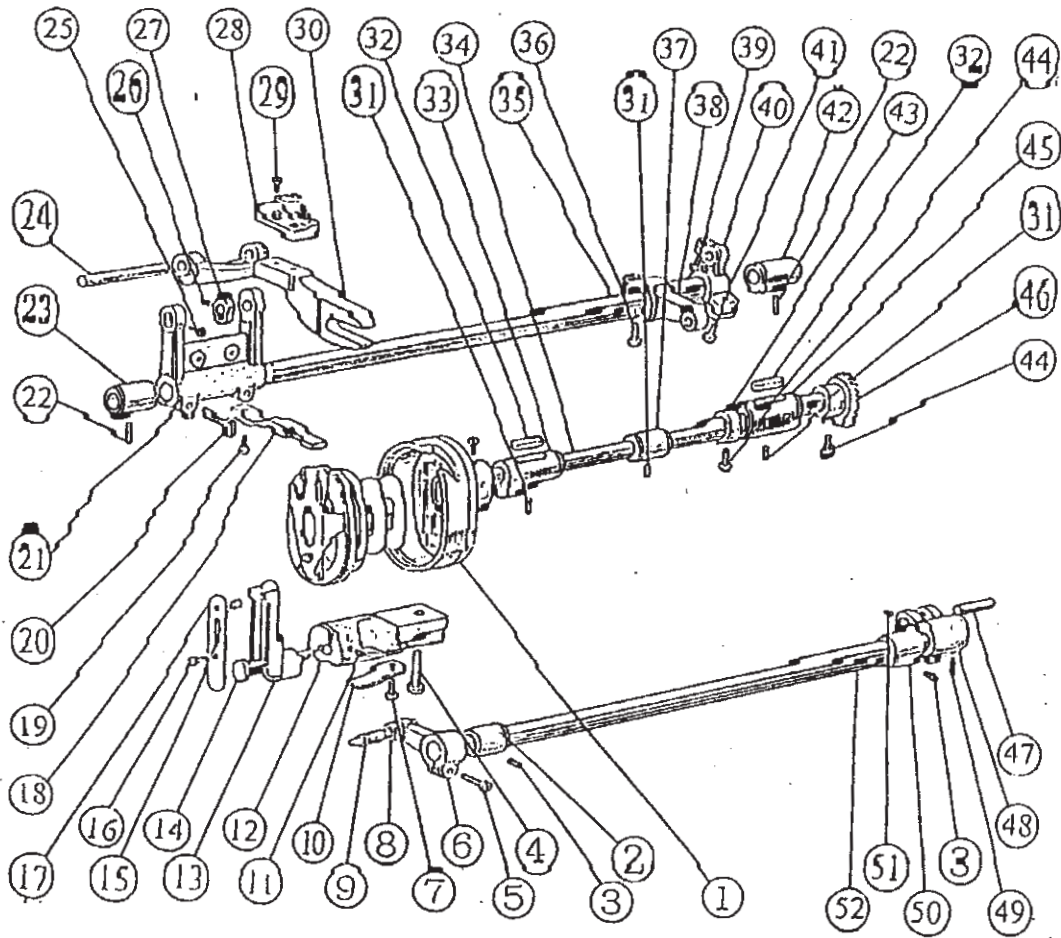
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针杆挑线. 竖轴上轴部件

ARM SHAFT NEEDLE BAR & THREAD TAKE-UP LEVER MECHANISM

序号 NO.	图号 REF.NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
58	BM12-03-016B2	伞齿轮螺钉 Set screw	2	SM1/4" (6.35)*40/8
59	BM12-03-017C2	竖轴轴套(上) Vertical shaft bushing (upper)	1	
60	BM12-03-017C3	竖轴 Vertical shaft	1	
61	BM12-03-016B2	竖轴紧圈螺钉 Screw	2	SM1/4" (6.35)*40/8
62	22T2-002	竖轴轴套螺钉 Screw	1	SM15/64" (5.95)*28/10
63	BM12-03-016B2	伞齿轮螺钉 Screw	2	SM1/4" (6.35)*40/8
64	BM12-03-017C6	竖轴伞齿轮(下) Bevel gear (lower)	1	
65	BM12-03-017C5	竖轴轴套(下) Vertical shaft bushing (upper)	1	
66	BM12-04-003	油毡塞 Felt	1	
67	BM12-03-017C4	竖轴紧圈 Collar	1	
68	BM12-04-003	油毡塞 Felt	1	
69	22T2-002	竖轴轴套螺钉 Screw	1	SM15/64" (5.95)*28/10
70	BM12-03-017C1	竖轴伞齿轮(上) Bevel gear (upper)	1	
71	BM12-03-012	上轴轴套(中) Arm shaft bushing (middle)	1	

4



4

送料. 勾线部件

LOWER SHAFT ROTATING HOOK & FEED MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
1	BM12-04-008A	旋梭组件 Rotating hook assy	1	
2	BM12-06-003	拾牙轴轴套(左) Feed lifting rock shaft bushing	1	
3	22T2-002	拾牙轴轴套螺钉 Screw	2	SM15/64" (5.95)*28/10
4	BM12-04-012B2	旋梭定位托架螺钉 Screw	1	SM5/16" (7.94)*24/26
5	BM12-06-007B2	拾牙轴曲柄(左)螺钉 Screw	1	SM15/64" (5.95)*28/14
6	BM12-06-007B1	拾牙轴曲柄(左) Feed lifting rock shaft crank assy	1	
7	22T2-019	弹簧片螺钉 Screw	1	SM11/64" (4.37)*40/8
8	BM12-06-007B3	拾牙轴曲柄滑块 Square block	1	
9	BM12-06-007B4	拾牙轴曲柄滑块销 Square block set pin	1	
10	BM12-04-012B3	旋梭定位托架弹簧片 Spring	1	
11	72T3-005D1a3	定位曲柄铰链轴螺钉 Screw	1	SM15/64" (5.95)*28/7
12	BM12-04-012B1	旋梭定位托架 Rotating hook positioner bracket	1	
13	BM12-04-012B4	旋梭定位曲柄 Rotating hook positioner crank	1	
14	BM12-04-012B5	旋梭定位曲柄铰链轴 Set pin	1	
15	BM12-04-012B6-2	旋梭定位销 Set pin	1	
16	22T1-003C6	旋梭定位压板簧螺钉 Screw	1	SM9/64" (3.57)*40/6
17	BM12-04-012B6-1	旋梭定位压板簧 Rotating hook positioner spring	1	
18	BM12-04-010	旋梭定位板 Rotating hook positioner	1	
19	22T6-008D3	旋梭定位板螺钉	1	SM11/64" (4.37)*40/12

4

送料. 勾线部件

LOWER SHAFT ROTATING HOOK & FEED MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
20	BM02-08-007	牙架曲柄螺钉 Screw	2	SM1/4" (6.35)*24/16
21	BM12-06-001A1	牙架曲柄 Feed rock shaft crank(left)	1	
22	22T2-002	送布轴轴套螺钉 Screw	2	SM15/64" (5.95)*28/10
23	BM12-06-003	送布轴轴套(左) Feed rock shaft bushing (left)	1	
24	BM12-06-001A3	牙架铰链轴 Feed bar shaft	1	
25	22T2-019	牙架铰链轴螺钉 Screw	2	SM11/64" (4.37)*40/8
26	72T4-002B2	紧圈螺钉 Screw	2	SM15/64" (5.95)*28/4.5
27	BM12-06-001A4	牙架铰链轴紧圈 Collar	1	
28	BM12-06-001A5	送布牙 Feed dog	1	
29	BM12-06-001A6	送布牙螺钉 Screw	2	SM9/64" (3.57)*40/8.5
30	BM12-06-001A2	牙架 Feed bar	1	
31	22T2-002	下轴轴套螺钉 Screw	3	SM15/64" (5.95)*28/10
32	BM12-04-003	下轴轴套油毡 Felt	2	
33	BM12-004-002	下轴轴套(左) Rotating hook shaft bushing(left)	1	
34	BM12-04-001	下轴 Rotating hook shaft	1	
35	BM12-06-002	送布轴 Feed rock shaft	1	
36	BM02-08-007	上送料传动曲柄螺钉 Screw	1	SM1/4" (6.35)*24/16
37	BM12-04-004	下轴轴套(中) Rotating hook shaft bushing(middle)	1	
38	BM12-06-004	上送料传动曲柄 feed lifting connecting crank	1	

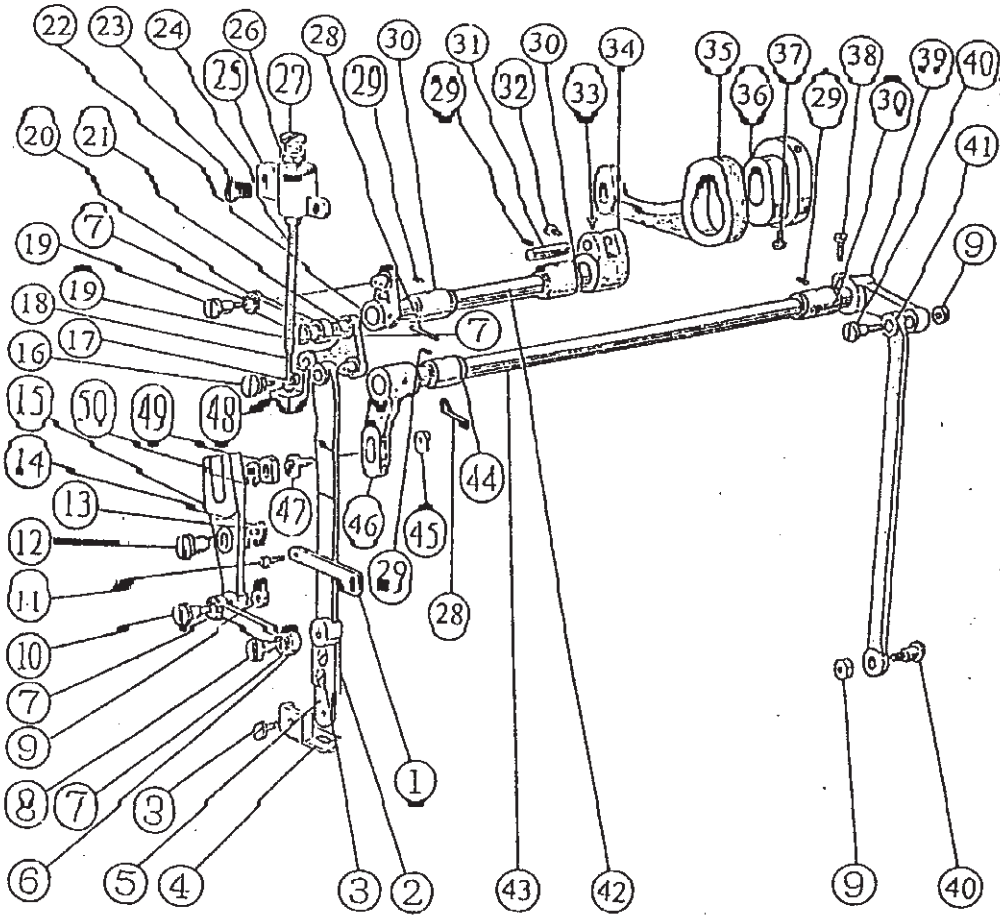
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送料. 勾线部件

LOWER SHAFT ROTATING HOOK & FEED MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
39	72T6-001A6	送料曲柄销螺钉 Screw	1	SM3/16" (4.76)*28/15
40	BM12-06-005	送料曲柄 Feed rock shaft crank (right)	1	
41	BM02-08-007	送料曲柄螺钉 Screw	1	SM1/4" (6.35)*24/16
42	BM12-06-006	送布轴(右)套 Feed rock shaft bushing	1	
43	BM12-03-017C1	下轴紧圈 Collar	1	
44	BM12-03-016B2	下轴紧圈螺钉 Screw	4	SM1/4" (6.35)*40/8
45	BM12-04-006	下轴轴套(右) Rotating hook shaft bushing (right)	1	
46	BM12-04-007	下轴伞齿轮 Bevel gear for lower shaft	1	
47	BM12-08-003	拾牙曲柄(右)销 Set pin	1	
48	BM12-06-009	拾牙曲柄(右) Feed lifting rock shaft crank(right)	1	
49	22T3-007C2	拾牙轴曲柄(右)螺钉 Screw	2	SM15/64" (5.95)*28/12
50	BM12-06-006	拾牙(右)轴套 Feed lifting rock shaft (right)	1	
51	22T1-011	拾牙轴曲柄销螺钉 Screw	1	SM11/64" (4.37)*40/5.5
52	BM12-06-008	拾牙轴 Feed lifting rock shaft	1	

5



5

上送料部件

UPPER FEED MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
1	BM12-08-011	送料压脚支架挡板 Walking foot supporter guide	1	
2	BM12-08-009C2	送料压脚支架座 Walking foot supporter bushing	1	
3	BM12-08-023	送料压脚螺钉 Screw	3	
4	BM12-08-022	送料压脚 Walking foot	1	
5	BM12-08-009C1	送料压脚支架 Walking foot supporter	1	
6	BM12-08-020	上送料摆杆连杆 Walking foot supporter link	1	
7	22T2-001A5	滚针轴承 Needle bearing	4	
8	BM12-08-021	摆杆连杆螺钉(短) Screw	1	
9	BM02-08-046	摆杆连杆螺母 Nut	3	(曲柄连杆螺母两件)
10	BM02-08-044	摆杆连杆长螺钉 Screw	1	
11	72T2-003	挡板螺钉 Screw	2	SM11/64" (4.37)*40/8
12	BM12-08-019	摆杆铰链螺钉 Screw	1	
13	GB93	垫圈 Spring washer	1	垫圈 6
14	BM02-08-048	摆杆铰链螺母 Nut	1	
15	BM12-08-018	上送料摆杆 Feed connecting lever	1	
16	BM12-08-010	送料压脚支架螺钉 Bell crank screw	1	
17	BM12-08-017D2	压脚簧导杆螺母 Bell crank pin stud	1	
18	BM12-08-017D1	压脚簧导杆 Bell crank pin	1	
19	BM02-08-022	送料提升连杆螺钉 Screw	2	

5

上送料部件

UPPER FEED MECHANISM

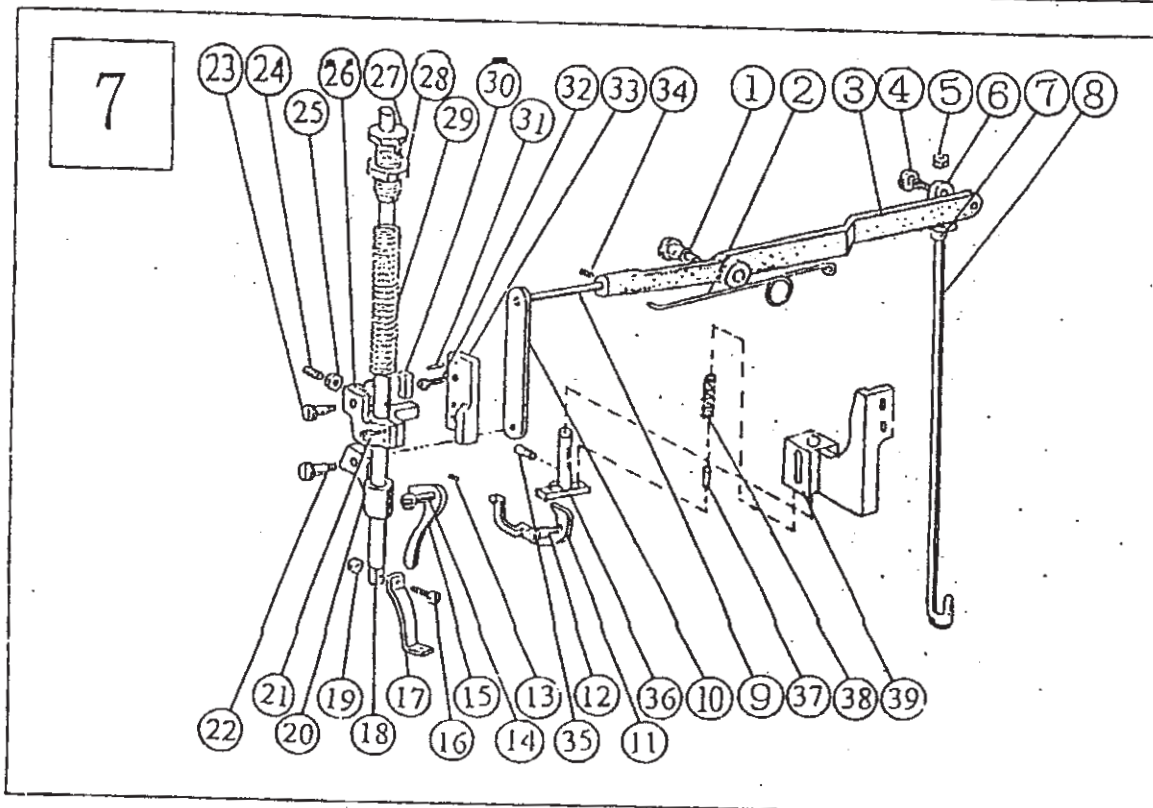
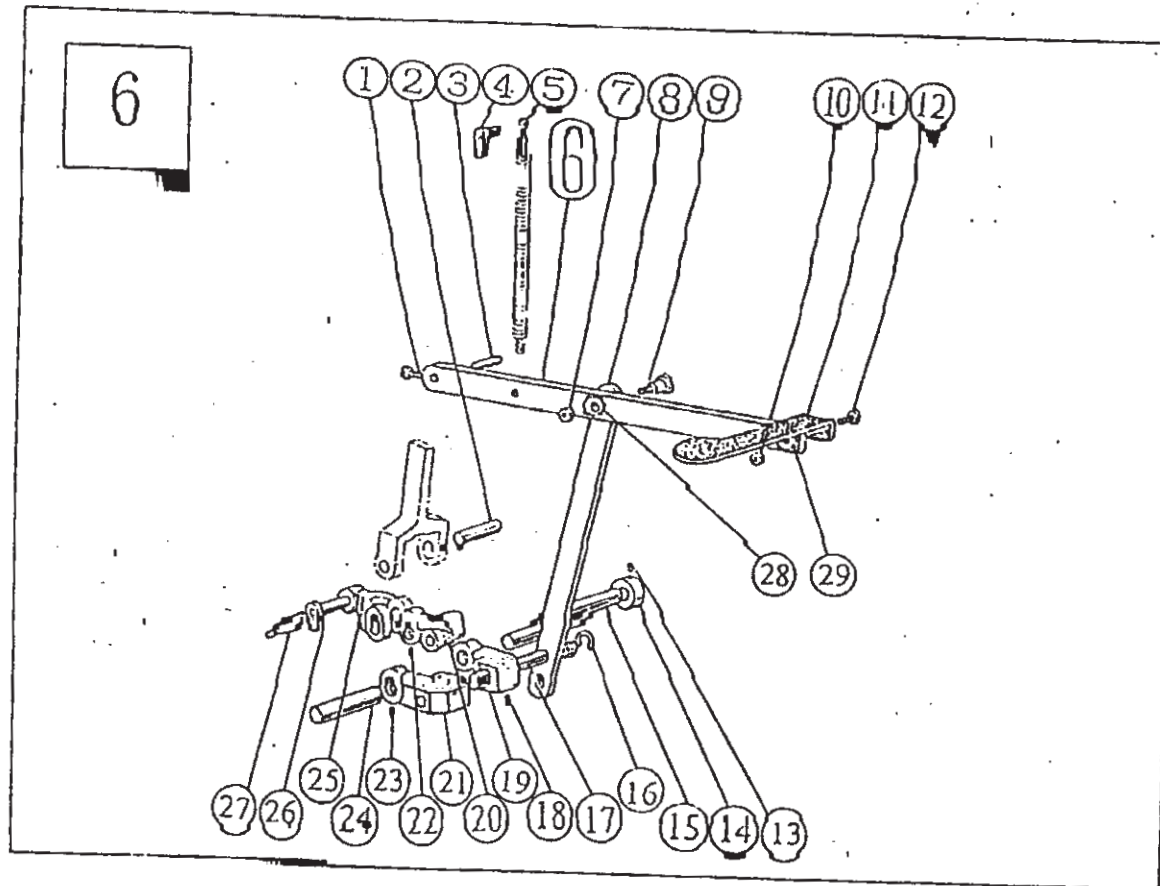
序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
20	BM12-08-007	送料提升连杆 Feed lifting rock shaft link	1	
21	BM12-08-008	送料提升曲柄 Bell crank	1	
22	BM12-08-004B2	压脚提升曲柄(左) Feed lifting rockshaft rank(left)	1	
23	72T2-003	弹簧架螺钉 Screw	2	SM11/64" (4.37)*40/8
24	BM12-08-015	送料压脚簧 Bell crank spring	1	
25	BM12-08-014	送料压脚弹簧架 Presser regulating bracket	1	
26	BM12-08-013	调节螺母 Nut	1	
27	BM12-08-012	送料压脚调节螺钉 Feed regulating thumb screw	1	
28	GB117	压脚提升曲柄(左)销 Taper pin	2	φ4*23
29	22T2-002	轴套螺钉 Screw	4	SM15/64" (5.95)*28/10
30	BM12-08-006	轴套 Bushing	3	
31	BM12-08-003	压脚提升曲柄(右)铰链轴 Set pin	1	
32	22T3-007C2	压脚提升曲柄(右)螺钉 Screw	2	SM15/64" (5.95)*28/12
33	22T1-011	铰链轴螺钉 Screw	1	SM11/64" (4.37)*40/5.5
34	BM12-08-002	压脚提升曲柄(右) Feed lifting rock shaft crank(right)	1	
35	BM12-08-024	压脚提升连杆 Feed connecting crank rod	1	
36	BM12-08-025	压脚提升凸轮 Feed lifting eccentric	1	
37	22T2-002	压脚提升凸轮螺钉 Screw	2	SM15/64" (5.95)*28/10
38	BM02-08-007	上送料传动轴曲柄(右)螺钉 Screw	1	SM1/4" (6.35)*24/16

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上送料部件

UPPER FEED MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
39	BM12-08-026	上送料传动轴曲柄(右) Feed driving crank (right)	1	
40	BM12-08-028	曲柄连杆螺钉 Screw	2	
41	BM12-08-027	上送料传动连杆 Feed driving connecting link	1	
42	BM12-08-004B1	压脚提升轴 Feed lifting rock shaft (upper)	1	
43	BM12-08-001A1	上送料传动轴 Feed driving rock shaft (upper)	1	
44	BM12-08-005	压脚提升轴轴套(左) Feed driving shaft bushing (left)	1	
45	BM02-08-041	传动轴曲柄轴螺母 Nut	1	
46	BM12-08-001A2	上送料传动轴曲柄(左) Feed rock shaft crank(left)	1	
47	BM02-08-031C2	传动轴曲柄轴 Feed connecting stud	1	
48	BM12-08-016	压脚簧导柱架 Prop up washer	1	
49	BM02-08-031C1	传动轴曲柄轴滑块 Slide block	1	
50	GB896	E形挡圈 C-type stop ring	1	挡圈 6



6

倒缝机构部件

REVERSE STITCH LEVER MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
1	22T1-001A9	倒缝杠杆销轴螺钉 Screw	1	SM9/64" (4.37)*40/6
2	BM12-05-018	送布连杆销 Pin	1	
3	BM12-05-002	倒缝连杆销 Pin	1	
4	BM12-05-004	拉簧螺钉 Spring guide pin	1	
5	BM12-05-003	倒缝杠杆拉簧 Spring	1	
6	BM12-05-001	倒缝杠杆 Reverse stitch lever	1	
7	BM02-08-048	倒缝杠杆连接螺母 Nut	1	SM15/64" (5.95)*28
8	BM12-05-005	倒缝杠杆连接板 Reverse stitch lever connecting plate	1	
9	BM12-05-006	倒缝杠杆连接轴位螺钉 Screw	1	SM15/64" (5.95)*28
10	BM12-05-008	操纵板螺母 Nut	1	SM3/16" (4.76)*40
11	BM12-05-007	倒缝杠杆操纵板 Reverse stitch lever plate	1	
12	BM12-01-014	倒缝杠杆操纵板螺钉 Screw	1	SM3/16" (4.76)*28/10
13	72T4-002B2	倒缝轴套螺钉 Screw	2	SM15/64" (5.95)*28/7
14	BM12-05-010	倒缝轴紧圈 Collar	1	
15	BM12-05-009	倒缝操纵轴 Reverse stitch shaft	1	
16	GB896	E形止动环 E type stop ring	1	Φ6
17	BM12-05-011	倒缝曲柄偏心销轴 Pin	1	
18	BM12-05-014	倒缝曲柄螺钉 Screw	2	SM3/16" (4.76)*28/7
19	BM12-05-012	倒缝曲柄 Reverse stitch crank(right)	1	

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倒缝机构部件

REVERSE STITCH LEVER MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
20	BM12-05-015	倒缝摆动连杆 Vibrating link	1	
21	BM12-05-012	倒缝曲柄 Reverse stitch crank (left)	1	
22	72T3-005D1a3	倒缝曲柄螺钉 Screw	2	SM15/64" (5.95)*28
23	BM12-05-014	倒缝摆杆连杆螺钉 Screw	1	SM3/16" (4.76)*28/7
24	BM12-05-013	倒缝曲柄(左)销 Pin	1	
25	BM12-05-016	送料摆动连杆 Connecting link	1	
26	BM12-05-017	送料摆动连杆销 Pin	1	
27		油线 Oil wick	1	φ 2.5*35
28	GB862	外齿弹性垫圈 Stop washer	1	垫圈 6
29	GB862	外齿弹性垫圈 Stop washer	1	垫圈 5

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
1	BM12-07-018	膝控提升杠杆铰链螺钉 Screw	1	SM5/16" (7.94)*28
2	BM12-07-019	膝控提升杠杆弹簧 Spring	1	
3	BM12-07-017	膝控提升杠杆 Knee lifter lever	1	
4	BM12-07-021	膝控提升接头螺钉 Screw	1	SM15/64" (5.95)*28/10
5	GB54.	膝控提升托架螺母 Nut	1	M5
6	BM12-07-020	膝控提升接头 Knee lifter connecting bracket	1	
7	GB54	膝控提升托架螺母 Nut	1	M5
8	BM12-07-022	提升杠杆拉杆 Lifting lever connecting rod	1	
9	GB119	膝控提升杠杆销 Knee lifter lever pin	1	Φ6*60
10	BM12-07-016	膝控提升杠杆板 Knee lifter lever plate	1	
11	BM12-07-015A1	挺线杠杆 Thread tension releasing lever	1	
12	BM12-07-015A3	挺线杠杆螺钉 Screw	1	SM9/64" (3.57)*40/12
13	72T3-005D1a3	压脚扳手销轴螺钉 Set screw	1	SM15/64" (5.95)*28/7
14	BM12-07-014	压脚扳手轴 Presser bar lifter pin	1	
15	BM12-07-013	压脚扳手 Presser bar lifter	1	
16	22T6-008D3	内压脚螺钉 Screw	1	SM11/64" (4.37)*40/12
17	BM12-07-012	内压脚 Presser foot	1	

7 压脚提升部件
PRESSER FOOT MECHANISM

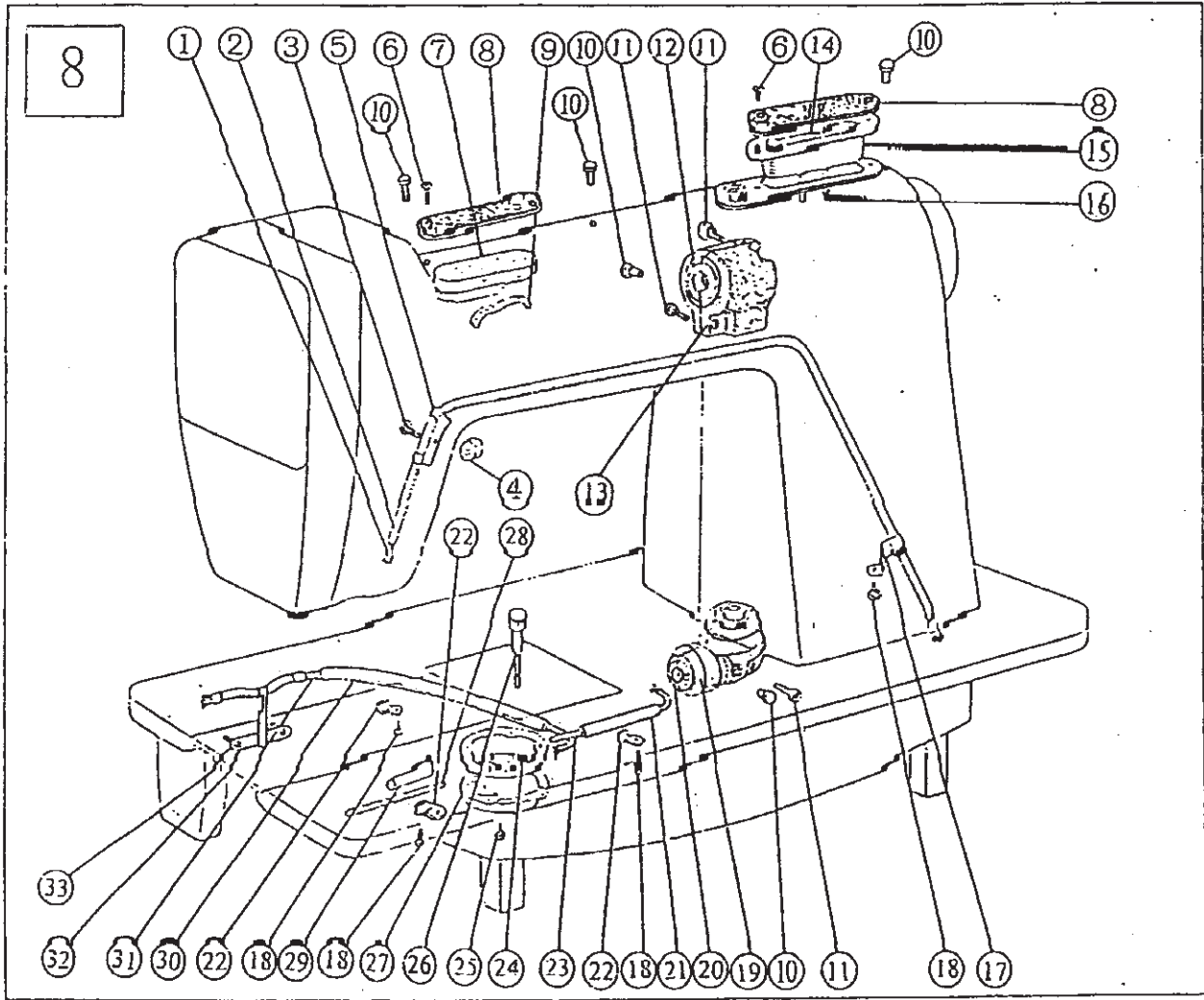
序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
20	BM12-07-010	压紧杆导架 Presser bar lifter bracket	1	
21	72T6-001A6	压紧杆托架螺钉 Screw	2	SM3/16" (4.76)*28/15
22	BM12-07-011	压紧杆导架螺钉 Screw	1	SM3/16" (4.76)*32/6
23	BM02-08-014	压紧杆托架铰链螺钉 Screw	1	SM3/16" (4.76)*28/10
24	BM12-07-006	托架调节螺钉 Screw	1	SM11/64" (4.37)*40/10
25	BM12-07-007	托架调节螺母 Nut	1	SM11/64" (4.37)*40
26	BM12-07-005	压紧杆托架 Presser bar holder	1	
27	BM12-07-002	压紧杆调节螺杆 Presser regulating thumb screw	1	
28	BM12-07-003	压紧杆调节螺母 Nut	1	
29	BM12-07-004	压紧杆调节弹簧 Presser spring	1	
30	BM12-07-008	压紧杆托架调节滑板 Presser bar slider	1	
31	GB119	托架定位板销轴 Pin	2	φ 3*12
32	72T2-003	托架定位板螺钉 Screw	2	SM11/64" (4.37)*40/8
33	BM12-07-009	压紧杆托架定位板 Presser bar holder guide	1	
34	72T3-005D1a3	膝控提升杠杆销螺钉 Screw	1	SM15/64" (5.95)*28/7
35	BM12-01-021F3	定位螺钉 Screw	1	
36	BM12-01-021F2	挺线轴 Pin	1	
37	BM12-01-021F4	复位弹簧导柱 Presser spring guide	2	
38	72T5-009	定位弹簧	2	

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压脚提升部件

PRESSER FOOT MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS,	备注 REMARKS
39	BM12-01-021F1	挺线架座 Thread tension bracket	1	



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供油机构部件

OIL LUBRICATION MECHANISM

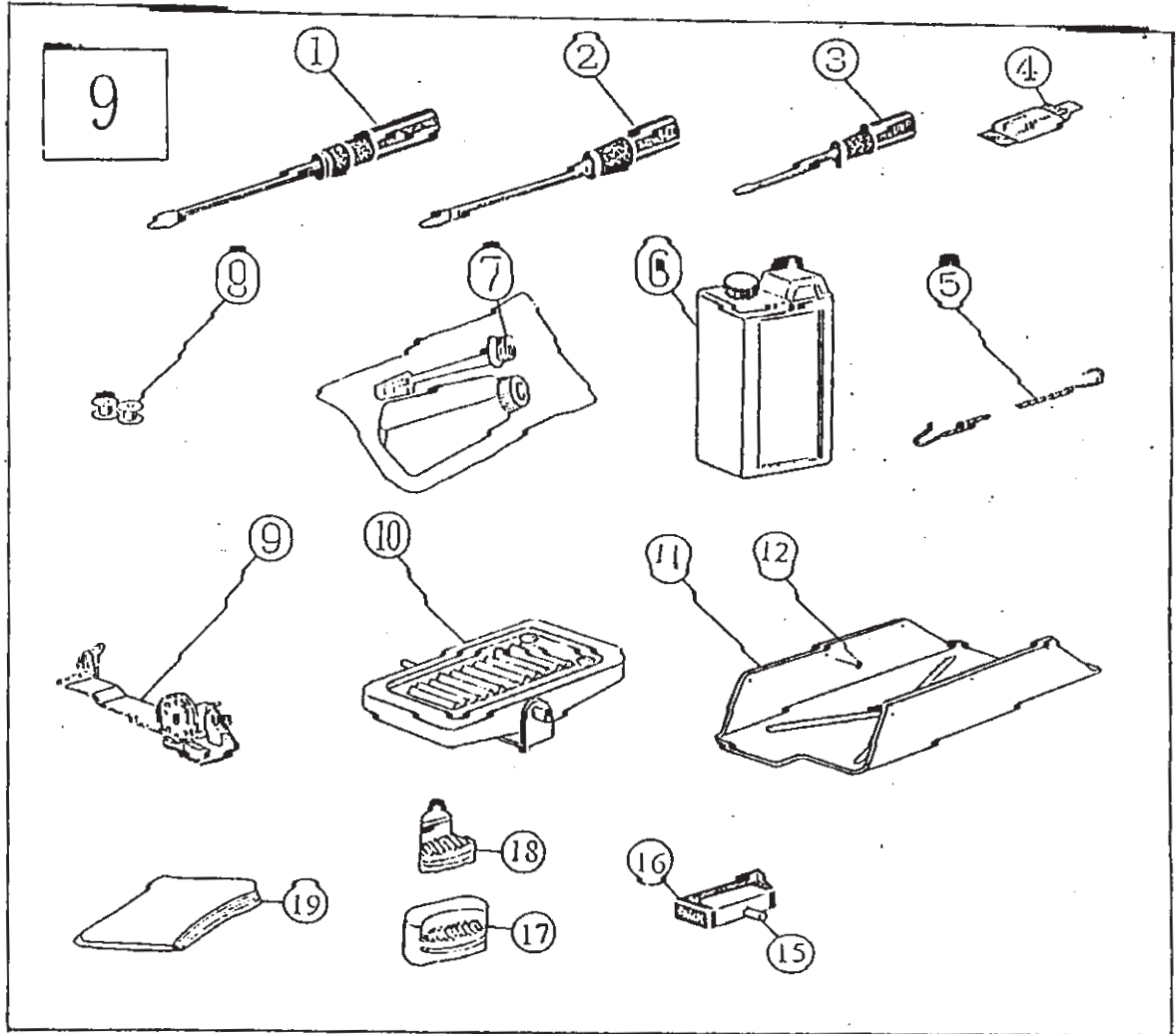
序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
1		油线 Oil wick	1	φ 2.5*635
2		油管 Oil pipe	1	φ 3*620
3	GB65	圆柱头油管托夹螺钉 Screw	1	M4*25
4	GB52	六角螺母 Nut	1	M4
5	BM12-09-001	油管托夹 Pipe holder	1	
6	22T1-00306	贮油盖螺钉 Screw	4	SM9/64" (3.57)*40/6
7		油毡 Felt	1	70*20*10
8	BM12-09-002	贮油盖 Oil reservoir cover	2	
9		油线 Oil wick	1	φ 2.5*100
10	72T1-011	橡皮塞 Rubber plug	5	φ 5.7
11	BM12-09-006	伞齿轮罩壳螺钉 Screw	3	SM15/64" (5.95)*28/15
12	BM12-09-005	上伞齿轮付罩壳 Bevel gear box assy (left)	1	
13	BM12-09-004	上伞齿轮主罩壳 Bevel gear box assy (right)	1	
14		油毡 Felt	2	50*15*8
15	BM12-09-003	贮油箱 Oil reservoir	1	
16		油线 Oil wick	1	φ 2.5*150
17	BM12-09-007	油管夹(1) Oil pipe holder (1)	1	
18	22T2-019	油管夹螺钉 Set screw	4	SM11/64(4.37)*40/8
19	BM12-09-009	下伞齿轮付罩壳 Bevel gear box assy (right)	1	

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供油机构部件

OIL LUBRICATION MECHANISM

序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
20	BM12-09-008	下伞齿轮主罩壳 Bevel gear box assy (left)	1	
21		油管 Oil pipe	1	Φ 3*255
22	BM12-09-010	油管夹(2) Oil pipe holder (2)	3	
23		油线 Oil wick	1	Φ 2.5*270
24	BM12-09-012	油箱垫 Gasket	1	
25	72T1-016	油箱盖螺钉 Set screw	4	SM11/64" (4.37)*40/10
26	BM12-09-013	测油杆 Oil gauge	1	
27	BM12-09-011	油箱盖 Cover	1	
28		油线 Oil wick	1	Φ 2.5*270
29		油管 Oil pipe	1	Φ 3*100
30		油管 Oil pipe	1	Φ 3*250
31		油线 Oil wick	1	Φ 2.5*330
32	BM12-09-014	油管支架 Oil pipe holder	1	
33	72T2-003	油管支架螺钉 Screw	2	SM11/64" (4.37)*40/8



序号 NO.	图号 REF. NO	名称 DESCRIPTION	件数 PCS.	备注 REMARKS
1	72T9-007	螺钉起子(大) Screw driver (large)	1	
2	72T9-020	螺钉起子(中) Screw driver (medium)	1	
3	72T9-021	螺钉起子(小) Screw driver (short)	1	
4		机针 Needle	1	DD*1 25#
5		链条组件 Chain regulator assy	1	链条 6*2 L=450
	BM05-10-004	链条勾 Chain guide	2	
6	22T9-017	油箱 Oil container	1	
7	22T9-011	小油壶 Oiler	1	
8		梭芯 Bobbin	4	
9	22T9-006D	绕线器组件 Bobbin winber regulator assy	1	(绕线轴改设计)
10		踏板组件 Treadle plate regulator assy	1	(外购) 210*115*35/16
11	BM12-09-015	油盘 Oil guard	1	
12	GB350	圆钢钉 Round pin	6	钢钉号 2 1.6*20
13				
14				
15	22T9-007F1	Double-end wrench 机壳铰链 Hinge of machine head	2	
16	72T9-004C1	机壳铰链套 Rubber socket for hinge	2	
17	72T9-005	机头防震垫块(大) Rubber cushion (big)	2	
18	72T9-006	机头防震垫块(小) Rubber cushion (small)	2	
19	22T9-018	机罩 Vinyl cover	1	

