

JK-2002GHC 厚料平缝机系列 产品使用说明书

JK-2002GHC series product instruction manual

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杰克缝纫机

JACK SEWING MACHINE

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1.主要技术规格

型号	JK-2002GHC-3Z	JK-2002GHC-3Z-12
缝料	中厚料、厚料	
最高转速	3000 转/分	2800 转/分
最大针距	8mm	12mm
机针	DPx17 22#	
压脚提 升高度	手控 膝控	7.5mm 16mm
旋梭	自动润滑大旋梭	
供油方式	全自动供油	
自动抬压脚	选配	

2.操作准备

(1) 试擦机器

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试擦干净。

(2) 检查

机器出厂时，虽然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仔细的检查，并用手轻轻转动主动轮，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，如有应做适应的调整，机器情况正常后才可正式试车。

3.调节旋梭油量（图 1)/Adjusting the amount of oil in the hook(Fig 1)

放倒机头，转动油量调节螺钉①调节油量大小。
Put down the head and tighten or loosen oil amount adjustment screw to increase or decrease the amount of oil in the book.

1.MAIN SPECIFICATIONS

Type	JK-2002GHC-3Z	JK-2002GHC-3Z-12
Matetial	Mediun and heavy duty	
Max. sewing speed	3000Spm	2800Spm
Max. stitch length	8mm	12mm
Needle	DPx17 22#	
Presser foot lift	by hand by knee	7.5mm 16mm
Hook	Auto-lubricating big rotating hook	
Lubrication	Auto lubrication	
Automatic presser foot	Optional	

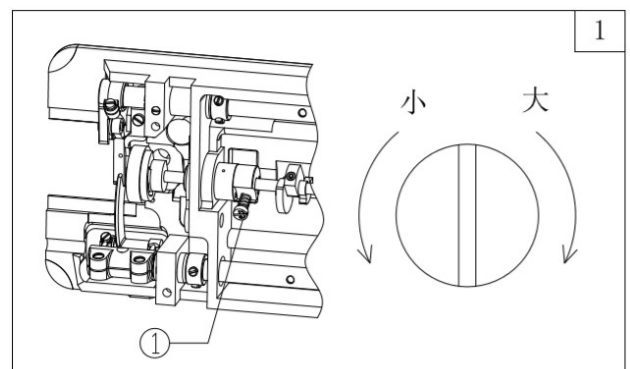
2.PREPARATION

(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

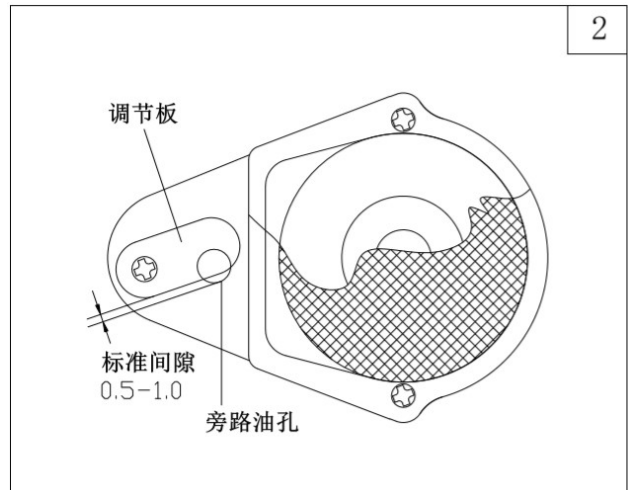
Though every machine is confirmed by strict inspection and test before leaving the factory, the machine parts may be loose or deformed after long distance transportation with jolt. A thorough examination must be performed after cleaning the machine. Turn the balance wheel to see if there is running obstruction,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



4.油泵进油调节（图 2） /OIL PUMP SUPPLY ADJUSTMENT（Fig 2）

通常情况下，不作油泵进油调节，在低速运转时，观察油窗，无喷油现象时，请合拢间隙。

Generally no adjustment is for oil pump. When the machine is running at a low speed, observe the oil screen .If no oil splashing, close the clearance.



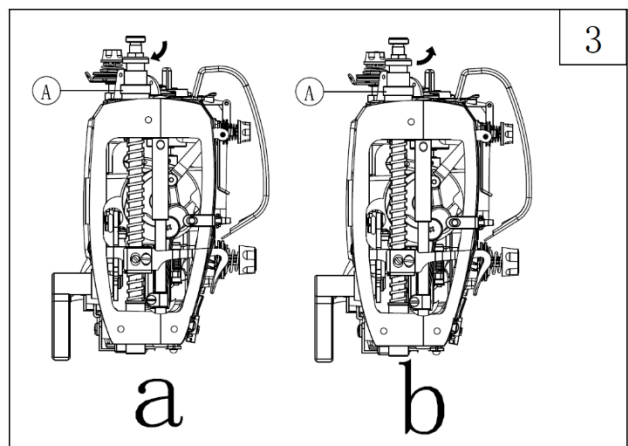
5.压脚压力调节（图 3） /ADJUST THE PRESSURE OF PRESSER FOOT（Fig 3）

压脚的压力，要根据缝料的厚度加以调节。首先旋松调压螺钉锁紧螺母(A)，缝厚料时，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。

压脚的压力，应以能正常推送缝料为宜。

Pressure of presser foot is to be adjust 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.3(a) to increase the pressure, while for light materials, turn the pressure regulating thumb screw as shown in Fig.3(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.



6.针距误差调节（图 4）/Stitch length error adjustment (Fig 4)

旋松螺钉（A）转动针距调节凸轮（B）

顺时针转：——顺缝针距变大。

倒缝针距变小。

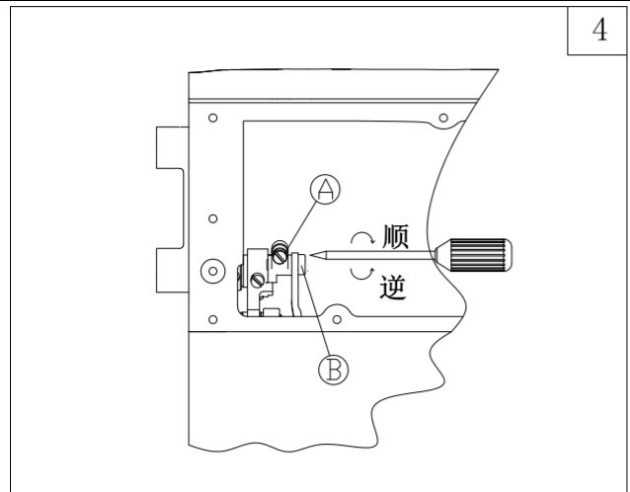
逆时针转：——顺缝针距变大。

倒缝针距变小。

Loosen screw (A), and turn stitch length adjusting cam (B).

Turn clockwise: forward sewing, stitch length enlarged;
reverse sewing, stitch length shorten.

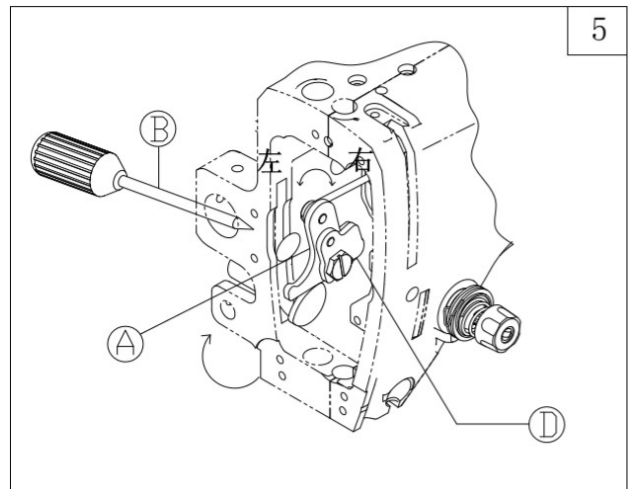
Turn counter-clockwise: forward sewing stitch length
shorten; reverse sewing, stitch length enlarged.



7.松线器挺线调节（图 5）/Adjust opening time of the tension discs (Fig 5)

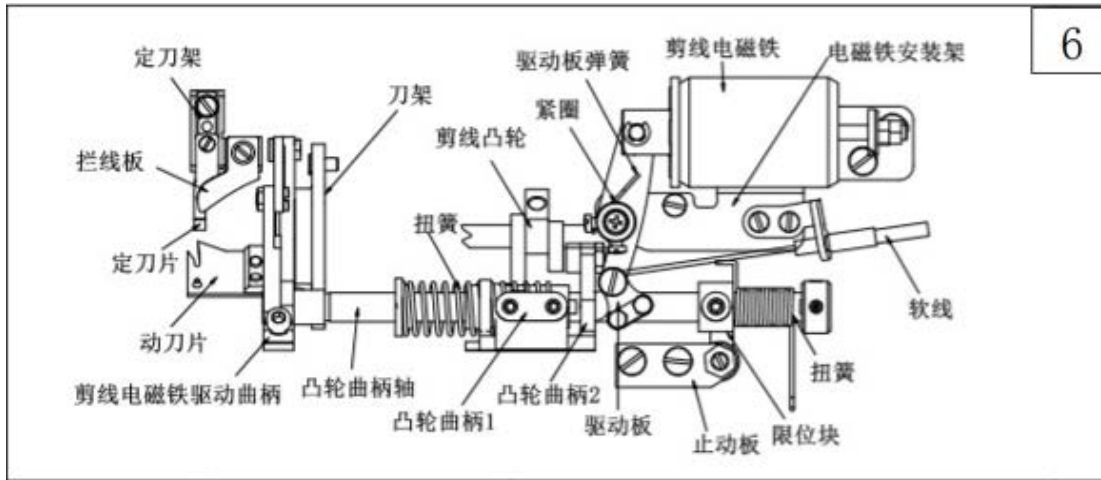
压脚在提升范围内，夹线器上的夹线板有一个张开期，挺线的时间可进行调节。调节时，先卸下机头背面的橡皮擦，用螺丝刀（B）旋松膝控提升杠杆（左）螺钉（A），这时松线凸轮可以左右转动，往右移挺线慢，往左移挺线快。

The tension discs should be pushed apart to open when the presser foot is lifted. But the open timing of the tension discs can be adjusted as follows: Remove face plate and the rubber plug at rear side of arm and loosen screw (A) of the knee lifting lever (left), then the tension releasing cam can be moved leftward or rightward when the cam is moved right-ward. It is later to open, otherwise it is earlier to open.



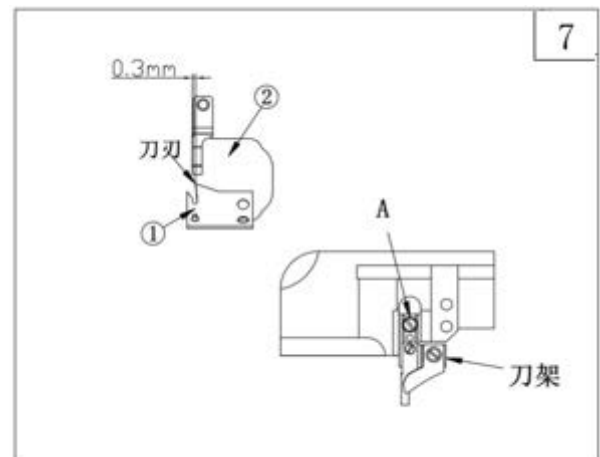
8.剪线装置的调整（图 6 7 8 9 10）/Adjustment of thread trimmer（Fig 6 7 8 9 10）

1.剪线装置（结构见图 6）/Thread trimmer（See structure on chart structure on chart 6）



2.定刀片与动刀片的关系：（见图 7）

- (1) 定刀片 1 与动刀片 2 的位置应保证 0.3mm。
- (2) 可以如图所示进行调整定刀座的正确位置。
- (3) 移开旋梭定位勾，安装定刀座。

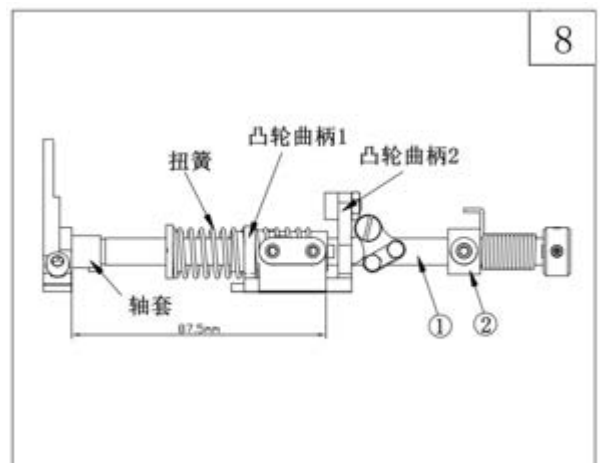


2. Relation of counter knife and moving knife (see chart 7)

- (1) The position of counter knife ① and moving knife ② should keep the distance of 0.3mm.
- (2) Adjust the right position of counter knife and moving knife according to chart 11.
- (3) Move bobbin case holder and install counter knife seat

3.凸轮曲柄轴（见图 8）

- (1) 装配时，将凸轮曲柄 1 最先安装在底板上。
- (2) 凸轮曲柄 1 必须如图所示安装，固定在凸轮曲柄轴 1 上的平面处。
- (3) 轻轻转动凸轮曲柄轴 1，将限位块 2 安装在凸轮曲柄轴 1 上的平面处。



3.Thread shear rock arm shaft (see chart 8)

- (1) When assembling, install thread shear rock arm shaft ① on the baseplate first of all.
- (2) Install thread shear rock arm shaft ① according to chart 12 and fasten on the plane place of thread shear rock arm shaft ①.
- (3) Turn lightly thread shear rock arm shaft ① and install stop block onto the plane place of thread shear rock arm shaft ①

4.安装剪线电磁铁（见图 9）

(1)剪线电磁铁的行程:

a.标准的行程为 6.0mm。 b.通过调节螺母 A 来调整行程。

(2)安装剪线电磁铁:

a.剪线电磁铁用螺钉 B 和 C 来固定。

b.在安装时必须保证驱动板 1 与凸轮曲柄 2 之间的间隙 1mm。

c.电磁铁工作时，凸轮曲柄 3 与凸轮曲柄 2 之间会有 0.5mm 的间隙，这时标准的情况。如需调整可以如图 13 所示箭头方向滑动电磁铁安装架。

4. Install magnetic plug (see chart 9)

(1) The movement locus of magnetic plug:

a. The standard movement locus of magnetic plug is 6.0mm

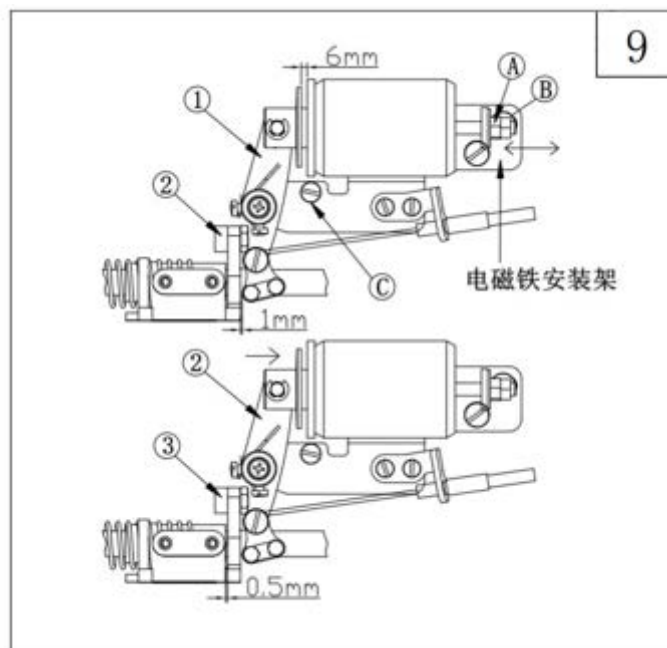
b. Adjust the movement locus by Nut A

(2) Install magnetic plug:

a. The magnetic plug is fastened by screw B and screw C.

b. The gap should keep 1mm between driven plate ① and cam crank ② when installing.

c. When the magnetic plug running, the standard gap is 0.5mm between cam crank ③ and cam crank ②. If demand to adjust the gap between cam crank ③ and cam crank ②, please slip electromagnet mounts according to direction of arrow on chart 13.



5.刀片的调整（见图 10）

(1)动刀片与定刀片的关系:

如图所示，动刀片 1 与机针中心的距离为 7.5mm，定刀片 2 与机针中心的距离为 5mm。

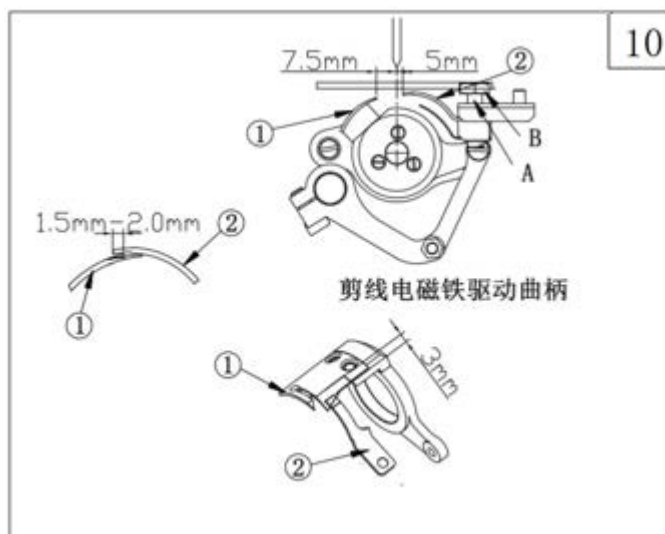
(2)刀片的调整:

开动电磁铁，启动机器。这样，剪线凸轮会使动刀片 1 右旋转。当动刀片 1 左移到其最远位置时与定刀片 2 的间隙为 1.5-2.0mm。

(3)剪线电磁铁的调整:

A.如果剪线情况不良，尤其当线较粗时，只需增加剪线压力即可。

B.剪线压力可如下所述进行调整：松开螺母 B，通过调节螺钉 A 来调节螺母 B。



5. Adjustment of the knife (see chart 10)

(1)Relation of counter knife and moving knife:

According to chart 14, the distance between moving knife and needle center is 7.5mm and the distance between counter knife and needle center is 5mm.

(2)Adjustment of the knife:

Start magnetic plug and turn on the machine. So thread shear cam make moving knife ① to turn to right. When moving knife ① move to the furthest position, the gap is 1.5-2.0mm with counter knife ②.

(3)Adjustment of magnetic plug:

A. If the situation of trimming thread is bad, especially that thread is too thick, it only add the pressure of trimming thread.

B. Adjust the pressure of trimming thread as follows: Loosen nut B and adjust nut B by adjusting screw A.

9.工业缝纫机安全使用注意事项/ /Notes for safe use of industrial sewing machines

- 1.必须遵守基本措施；
 - 2.必须经过专业培训，对缝纫机设备性能有所了解；
 - 3.使用前应检查所有安全装置；
 - 4.在安装机针、更换机针、压脚、针板、送布牙、弯针、旋梭或修理时，应立即关闭电源；
 - 5.离开缝纫机或工作场所时应关闭电源；
 - 6.使用离合马达时，要等待马达完全停止后再进行；
 - 7.缝纫机及附属装置使用的机油，润滑油等液体流入眼睛或沾到皮肤上应立即清洗；
 - 8.禁止用手触摸缝纫机通电时的零件或装置；
 - 9.有关工业用平缝机与包缝机的修理、改造、主要机构的调整由专门技术人员来进行；
 - 10.一般的维修保养由专人进行；
 - 11.在电气方面的修理应在电气技术员的监督和指导下进行；
 12. 缝纫机使用期间应定期清扫；
 - 13.为了正常安全运转，应安装地线，同时应在不受高频焊接机等强噪声源影响的环境下使用；
 - 14.电源插头应由专人安装；
 - 15.工业用平缝机、包缝机在指定用途以外不能使用。
1. Basic measures must be observed.
 2. Pass the specialized training and master sewing machine equipment performance.
 3. All safety devices should be checked before use.
 4. When installing needle, and changing needle, presser foot, plate, feed dog, bent needle, hook or repairing, the power supply should be turned off immediately.
 5. Power should be turned off when leaving the sewing machine or workplace.
 6. When using the clutch motor, please wait until the motor stops completely.
 7. The machine oil and other liquids used in sewing machines and ancillary devices should be cleaned immediately when they are put into eyes or touch skin.
 8. Do not touch the parts or devices when the machine is powered by hand.
 9. The repair, renovation and adjustment of the main mechanisms of the relevant industrial sewing machines and overseers shall be carried out by specialized technicians.
 10. General maintenance is carried out by specially-assigned persons.
 11. Electrical repairs should be performed under the supervision and direction of the electrical technician.
 - 12 The machine should be cleaned regularly during operation.
 13. In order to operate normally and safely, ground lines should be installed, and they should be used in an environment free from strong noise sources such as high frequency welding machine.
 14. Power plug should be installed by specially-assigned person.
 15. Industrial lockstitch sewing machine and overlook sewing machine can not be used except the designated use.

10.环保要求/Environmental requirements

- 1.使用过程中产生的废油及其他废弃物请根据当地环保的要求进行合理的处置。
 - 2.请在使用完后及时关闭电源，减少电能的消耗。
 - 3.请在说明书要求的电压及环境下使用，以延长产品的使用寿命，减少废弃物的产生。
 - 4.机器报废后请勿将本机器及其附件作为普通的生活垃圾处理。请遵守本设备及其附件处理的本地法令，并支持回收行动。
1. Please dispose the waste oil and other waste products properly according to local environmental protection requirements.
 2. Please turn off the power after use to reduce power consumption.
 3. Please use under the voltage and environment required in the manual to extend the service life of the product and reduce waste generation.
 4. Do not treat the machine and its accessories as ordinary household garbage after being scrapped. Please comply with local laws governing the disposal of the equipment and its accessories and support recycling operations.

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