



高速绷缝机

HIGH SPEED STRETCH SEWING MACHINE

W 562

使用说明书
OPERATION MANUAL

零件手册
PARTS BOOK

中国·中捷缝纫机股份有限公司
ZOJE SEWING MACHINE CO., LTD.

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1、前言 Introduction

- 该书是为了安全使用本产品的使用说明书。

This is the instruction manual that describes how to use this product safely.

- 在使用该产品之前，务必阅读此书，在充分理解掌握缝纫机的操作、检查、调整、维修等方法之后，再进行使用。

Read this instruction manual and learn very carefully how to operate, adjust and service this sewing machine before beginning any of the procedures.

- 工业用缝纫机是在缝纫作业中，操作者距机针等运动着的缝纫机部件近距离进行操作的。

所以时常有接触缝纫机运动部件的危险性，这点应充分认识。

因此，为了确保安全，需要本公司提供安全的产品，使用者正确安全的操作。对于顾客也有一些必要的安全对策和要求。缝纫机使用的有关人员务必熟读本书与驱动装置的使用说明书，在实施必要的安全对策之后，再充分使用缝纫机。

You should realize first that there is always the risk of contacting moving parts, such as needles because you have to work at point-blank range to them when you are operating industrial sewing machines.

For safety it is essential that we supply safe products and you use them correctly and safely.

There may be some safety measures that you yourself must take.

Therefore, you should read and understand very carefully this instruction manual together with that of the driving equipment and take necessary safety measures in order to use this machine efficiently and effectively.

2、安全措施 Safety precautions

①用途・目的 Applications, purpose

本公司的工业用缝纫机，是以提高服装业的质量和生产率为目的而研究开发的商品。因此除以上用途以外，请绝对不要使用。

Our industrial sewing machines have been developed in order to increase quality and/or production in the sewing industry. Accordingly never use our products for other than intended use described above.

②使用环境 Circumstances

本公司的工业用缝纫机，根据使用的环境，有可能给缝纫机的寿命、性能及安全带来不良影响。

The environment in which our industrial sewing machines are used may seriously affect their lives, functions, performance and/or safety. For safety, do not use the machine under the circumstances below.

1. 在靠近高频焊接机等产生干扰的机器设备旁边。

Do not use the machine near objects which make noise such as a high-frequency welder, etc.

2. 产生药品蒸气气氛的地方，及受药品飞溅等地方使用或保管。

Do not use or store the machine in the air which has vapor from chemicals, or do not expose the device to chemicals.

3. 屋外、高温高湿、直接曝曬阳光的地方。

Do not leave the machine outside, in high temperatures or the direct sun.

4. 周围的温度、湿度很大，会给缝纫机带来坏影响的地方。

Do not use the machine in the places of high ambient temperature and humidity that seriously affects sewing machines.

5. 额定电压常超过±10%以上的电压变动较厉害的地方。

Do not use the machine on the condition that the voltage fluctuation range is more than ±10% of the rated voltage.

6. 电源容量无法确保控制马达规格上所需要的容量时。

Do not use the machine in the place where the supply voltage specified for the control motor cannot be properly obtained.

③安全措施 Safety measures

- (1) 进行维修保养、检验时的安全保护 Safety precautions when you perform maintenance on the machine.

在对缝纫机进行检查、修理、清扫等维护作业时，请关掉电源开关，将电源插销从插座上拔下，并确认踩缝纫机踏板也不会转动之后，再进行操作。但是，有必要接通电源进行作业时，请制定防止缝纫机意外转动或操作者错误而导致危险的安全操作准则，并遵守一切安全防护规则。

Always turn off the power, unplug the machine and then make sure that the machine does not run by pressing the treadle before performing any maintenance, such as checking, repairing, cleaning, etc. However, if you need to perform these procedures with the power on, to prevent accidents due to the unexpected start of the machine and users misoperation, establish your own procedures for safety and follow them.

在进行以下作业时，务必关掉电源开关，将电源插销从插座上拔下之后进行。

Always turn off the power and unplug the machine before performing the procedures shown below.

- 加油 Lubrication
- 穿线 Threading
- 打扫缝纫机 Cleaning
- 换机针 Replacing the needle
- 进行供油元件的清扫和更换时。Checking/replacing oil element
- 更换机油 Replacing the oil
- 调节针脚时 Adjusting the stitch length
- 调节差动比时 Adjusting the differential feed ratio

(2) 开始运转前的检验事项 Before operating the machine

- 在开始操作运转缝纫机前，先检查缝纫机皮带及缝纫部分，看是否有损伤，功能不良等问题。
万一有异常现象时，应马上修理或采取必要的措施。

Check the machine head and unit for any damage and/or faulty function at the start of each day.

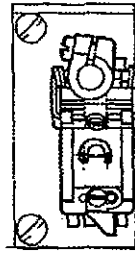
If there should be something wrong with the machine, immediately perform repairs and/or other necessary procedures.

- 务必用手触摸来确认针箍是否固定好。 Check by hand to see if the needle holder is secured.

※请注意针尖有危险。 Be careful of the needle point.

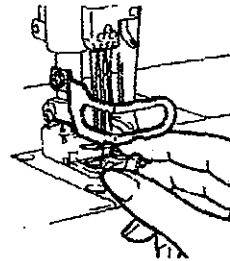
- 在使用缝纫机之前，务必确认压脚是否在正确的位置。
(用手轻轻转动手轮，认针尖是否落在压脚的针孔中心)

Before starting the machine, make sure that the presser foot is positioned correctly (turn the machine pulley slowly by hand to see if the needle point is centered in the needle drop hole on the presser foot).



- 务必检查压脚是否牢固的固定好。(使用抬压脚机构抬起压脚，用手前后左右扳动，检查压脚是否有松动)

Check to see if the presser foot is secured (raise the presser foot by the foot lifter and press it by hand front to back and left to right).



(3) 培训·进修 Training

- 为了防止事故，缝纫头或缝纫系统的操作人员及维修保养专员，应先学会所需知识和有关技能，以其工作的安全。
为此，请由客户的管理单位给她们安排培训计划，而实施充分的训练。

To prevent accidents, operators and service/maintenance personnel should have proper knowledge and skills for safe operation.

To ensure so, managers must design and conduct training for these people.

3、各操作过程的注意事项 Notes for each procedure

① 开箱 Unpacking

1. 缝纫机机头在出厂时包装好后装入纸箱运出的。从印刷在纸箱上的标记字样确认上下后，请从上到下按顺序开箱。

The machine is packaged in a cardboard box before shipping. Unpack your machine in orderly sequence while checking them right-Side up by referring to the Indications, such as logo, etc printed on the boxes.

2. 把缝纫机机头从缓冲包装材料里拿出时，绝对不要提拿与机针部位或过线器等有关的部件。否则会发生危险或损伤机器。

Never hold the area near the needle and/or thread guide related parts when taking out the machine from the cushion.

Otherwise it may cause injury and/or damage to the machine.

3. 在取出缝纫机机头时，请注意重心的位置，小心谨慎的取出。

Take out the machine very carefully while checking the position of the center of the gravity.

4. 开箱用过的纸箱如果以后还用的话，请好好保存放好。

Keep the cardboard box and packing carefully in case secondary transport is needed in the future.

包装材料的处理 Disposal of the packaging

- 包装材料包括木头、纸张、纸箱、VCE纤维。恳请顾客负有责任的将包装材料正确适当的进行处理。

The packaging material of the machine consists of wood, paper, cardboard and VCE fiber. The proper disposal of the packaging is the Responsibility of the customer.

缝纫机废物的处理 Disposal of machine waste

1. 缝纫机的废物, 请客商负责进行处理。The proper disposal of machine waste is the responsibility of the customer.
2. 制造缝纫机所使用的材料有铁、铝、锌及各种塑料。The materials used on the machines are steel, aluminum, brass and various plastics.
3. 缝纫机的废物应遵照当地环境保护的有关规定进行处理。必要时 委托专门的厂家进行处理。

The machine waste is to be disposed of in accordance with the locally valid environmental protection regulations. A specialist should be commissioned if necessary.

※有油污的部件务必遵照当地环境保护的有关规下, 分别进行处理。

The parts contaminated with lubricants should be disposed off separately according to the locally valid environmental protection regulations.

在顾客领地内移动缝纫机 Transport within the customer's premises

- 关于在顾客领地内移动缝纫机, 本制造厂商没有责任。移动时为了避免缝纫机掉落摔坏, 请注意不要倾斜缝纫机。

The manufacturer assumes no liability for transport within the customer's premises. Care should be taken to transport the machine in an upright position avoiding it from dropping or falling down to the ground when it is moved.

②搬运 Transportation

1. 缝纫机机头的搬运一定要两个人以上进行。另外, 用人直接搬运应只限于搬往缝纫机台或小台车。其他搬运务必使用小台车进行。

The machine should be carried by at least more than two people when it is mounted on the table and/or a hand truck. Be sure to use a hand truck for other transportation.

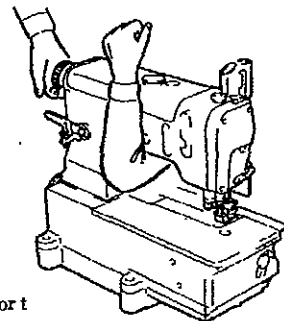
2. 移动缝纫机机头时, 用右手抓住传动轮, 左手垮在机头里, 扎牢牢固的搬起。缝纫机上沾有油污在搬动时容易滑脱摔坏, 搬运前请好好擦净机头上的油污。

To carry the machine, hold the machine pulley tightly with your right hand and the machine arm with your left upper arm. If the machine and/or your hands are stained with oil, the machine may be easy to slip out of your hands and fall to the floor. Therefore, wipe off the oil carefully.

3. 在往缝纫机台板上或小台车上搬运时, 请注意不要过分冲击或震动, 以免缝纫机倒斜造成危险。

Care should be taken to avoid excessive shock and shake when the machine is mounted on the table and/or transferred using a hand truck. Otherwise the machine may fall down.

4. 如果要第二次运送缝纫机并要包装时, 请一定擦干净机头上的油污。否则搬运时会滑脱摔坏机头或油污使包装材料变质穿底。Wipe off the oil from the machine before packaging it again for secondary transport. Otherwise the machine may easily slip out of your hands or the bottom of the box may come off while in transit.



③安装·准备 Installation preparation

缝纫机台板 Machine table

1. 请使用能充分承受缝纫机机头重量及搬运时产生的反作用力的缝纫机台板(台板、铁架)。

Use the machine table (table board, metal legs) that completely carries the machine and is fully resistant to warping while the machine is running.

2. 应充分考虑缝纫机装配部件和操作光线的明亮度, 放置在容易作业的环境中。如果光线不是十分明亮时, 应根据需要安装照明电灯。

Arrange the working environment for easy operation by considering where to place the machine and the brightness around the working area. If the illumination is insufficient, control or change lighting as required.

3. 在运转缝纫机时, 为防止操作者踩踏板时脚滑脱造成事故, 一定要在缝纫机踏板上安装防止滑脱的垫子。

Attach a non-slip pad to the treadle (foot switch). Otherwise the operator may slip off the treadle while running the machine, causing trouble.

4. 在考虑操作者姿势的前提下, 决定台板面的高度(工作时的)。

Adjust the height of the table according to a working posture of the operator.

接线 Cables

1. 请牢固的插好缝纫机机头与电机连接线的插头。缝纫机机头与电机用连接线进行连接时, 务必在将电源开关关闭的状态下进行操作。

When connecting the cables between the machine and the motor, be sure to turn off the power and connect each cable connectors securely.

2. 在使用中请不要给连接线过多的力。

Do not strain the cables in use.

3. 请不要过度弯曲连接线。

Do not bend the cables excessively.

4. 接近运动部件(如传动轮、V形皮带等)的连接线, 应最小距离在25mm处进行安装。

When connecting the cables that are close to the moving parts, such as pulley or V belt, keep a distance of 25mm at least between them.

5. 必要时考虑连接位置或加设护罩来保护连接线。

Protect each cable using a cover or adjusting its position if necessary.

6. 固定连接线时绝对不要使用订书针, 以免发生漏电或火灾。

Never use staples to fasten the cables. Otherwise it causes a short circuit and/or a fire.

电机 Motor

1. 缝纫机电机的安装请遵照电机厂家的使用说明书，正确的进行安装。

Install the machine motor correctly by referring to the instruction manual supplied by the manufacturer.

2. 为了防止被卷入皮带轮的危险，请选用带有防止卷入的缝纫机电机。

Select the machine motor equipped with the pulley cover so that any part of your body etc, is not caught in the belt.

④使用缝纫机油 Handling machine oil

1. 在油盘内没有注入油以前请绝对不要进行运转。

Never start the machine with no oil in the reservoir.

2. 机油进入眼睛会使眼睛发炎，所以在使用时请戴防护眼镜以免机油进入眼睛。

If machine oil gets in your eyes, it may cause eye irritation. To prevent the machine oil from getting in your eyes, wear a pair of protective glasses.

※万一进入眼睛，请用干净水冲洗15分钟再请医生进行治疗。

Should machine oil gets in your eyes, wash them with fresh water for 15 minutes and then go to see a doctor.

3. 机油接触皮肤后，请马上用水和肥皂洗干净。

Avoid skin contact, immediately wash contacted areas completely with water and soap.

4. 绝对不要使机油进入口腔。

Never swallow machine oil.

5. 机油请保管在孩摸不到的地方。

※万一进入口腔，不要硬性呕吐，马上请医生进行治疗。

Keep machine oil out of the reach of children.

※If swallowed, do not induce vomiting immediately go to see a doctor.

6. 废油、废容器的处理方法有必须遵照法令的义务、请根据法令正确处理。如不知道时请与购买部门联系后，正确进行处理。

Dispose of the waste oil and/or containers properly as demanded by law. If you have further questions on its disposal, consult the store or shop at which you purchased it.

7. 为了防止灰尘、水分的混入，使用完后保管机油时请盖紧油箱盖，放在没有阳光直射的荫凉处保管。

After opening the oil container, be sure to seal it to prevent dust and water from getting into the oil and keep it in the dark to avoid direct sunlight.

⑤运转缝纫机前的注意事项 Before starting the machine

缝纫机台板 Machine table

1. 打开电源前，请确认接线或接头是否有损伤、脱落、松动等外观上的异常。

Before turning the power on, visually check the cables and connectors for defective conditions, such as damage, disconnection and/or loosening.

2. 在打开电源时，请不要将手放在机针附近或传动轮附近。

Never bring your hands close to the needle and/or pulley when turning on the power.

3. 最初开始运转缝纫机时，打开电源确认传动轮的运转方向。缝纫机的正运转从传动轮侧来看是向右旋转。

When the machine is used for the first time, turn on the power and then check the rotating direction of the machine pulley.

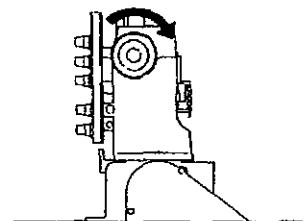
The machine pulley should turn clockwise as seen from the machine pulley.

4. 操作缝纫机者应为受过适当训练、充分理解本书及使用说明书的内容之后，再进行操作使用。

Well trained operators should use the machine after studying these precautions and the instruction manual carefully.

5. 最初使用的一个月应降低速度。请使用在最高转速的3/4以下的转速。

Run the machine at the speed less than 3/4 of its maximum for first one month.



⑥运转缝纫机中的注意事项 Precautions while you are running the machine

- 1.在拆卸下护眼板、护指架、传动轮护罩等安全装置的状态下、请不要运转缝纫机。

Do not run the machine with the safety devices removed,such as eye guard,linger guard,pulley cover,etc.

- 2.缝纫机在运转中是很危险的、绝对不要将手放入机针下。

Never bring your hands under the needle while running the machine.

- 3.使用离合器式电机时关掉电源之后电机仍然会继续旋转一会儿。这时踩缝纫机踏板后缝纫机会运动是很危险的，请特别小心。

A clutch motor keeps on running for a while after the power is turned off. Therefore, be careful even after the power is turned off as the machine could start running by pressing the machine treadle.

- 4.缝纫机在运转中是很危险的，所以绝对不要将手指、头发、衣服接近手轮、V形皮带、电机传动轮、挑线器、针棒。同时，也不要将剪刀、镊子、工具等放在以上部位。

To prevent accidents, never bring any part of your fingers, hair and clothes near the machine pulley, v belt, motor pulley, thread take-up and needle bar. Also never leave scissors, tweezers, tools, etc., around these areas.

- 5.在不使用缝纫机时或者操作者离开缝纫机时，一定要将电源开关关掉。

Always turn off the power while the machine is not used or before leaving the machine table.

- 6.停电时务必将电源关掉。

In the event of a power failure, be sure to turn off the power.

- 7.在操作缝纫机时，请穿着不易被机械卷入的服装。

While operating the machine, wear clothes that cannot be caught in the machine.

⑦维护、检查、修理 Maintenance, Check, Repair

- 1.维护、检查、修理的作业应由受过特别训练的人并在充分理解本书及使用说明书的内容之后，再进行作业。

Well trained people should perform maintenance, check and repair of the machine after studying these precautions and the instruction manual carefully.

- 2.为了维护、检查、修理要将缝纫机机头放倒时，务必将电源开关关掉，把电源插头从插座上拔下，并确认即使踩缝纫机踏板缝纫机也不会转动之后，再进行操作。

If it is necessary to lay the machine backward for maintenance, check and repair, always turn off the power, unplug the machine and press the treadle to make sure that the machine does not operate before beginning any of the procedures.

- 3.在安装或拆卸V形皮带时，务必将电源开关关掉，把电源插头从插座上拔下，并确认即使踩缝纫机踏板缝纫机也不会转动之后，再进行操作。

Before installing/removing the V belt, always turn off the power, unplug the machine and press the treadle to make sure the machine does not operate.

- 4.对于缝纫机机头的日常检查或定期检查，应按照本书及使用说明书的指示，切实认真的进行。

Carry out daily maintenance work and periodical inspections properly by following these precautions and the instruction manual.

- 5.缝纫机的修理或部件的更换请使用本公司的真实部件。对于不得当的修理、调整或使用假冒伪劣部件所造成的事故，本公司将不负一切责任。

Employ Pegasus genuine parts when repairing the machine and/or replacing the parts. We are not responsible for accidents caused by any improper repair/adjustment and substituting other parts for those manufactured by Pegasus.

- 6.请不要根据顾客自己的判断对缝纫机进行改造。否则因改造而发生的事故，本公司将不负一切责任。

Do not attempt to modify the machine at your own discretion. We are not responsible for accidents caused by the modification.

- 7.临时因修理、调整而拆卸下的安全装置、安全护罩，待作业完后务必按原来的状态安装好。

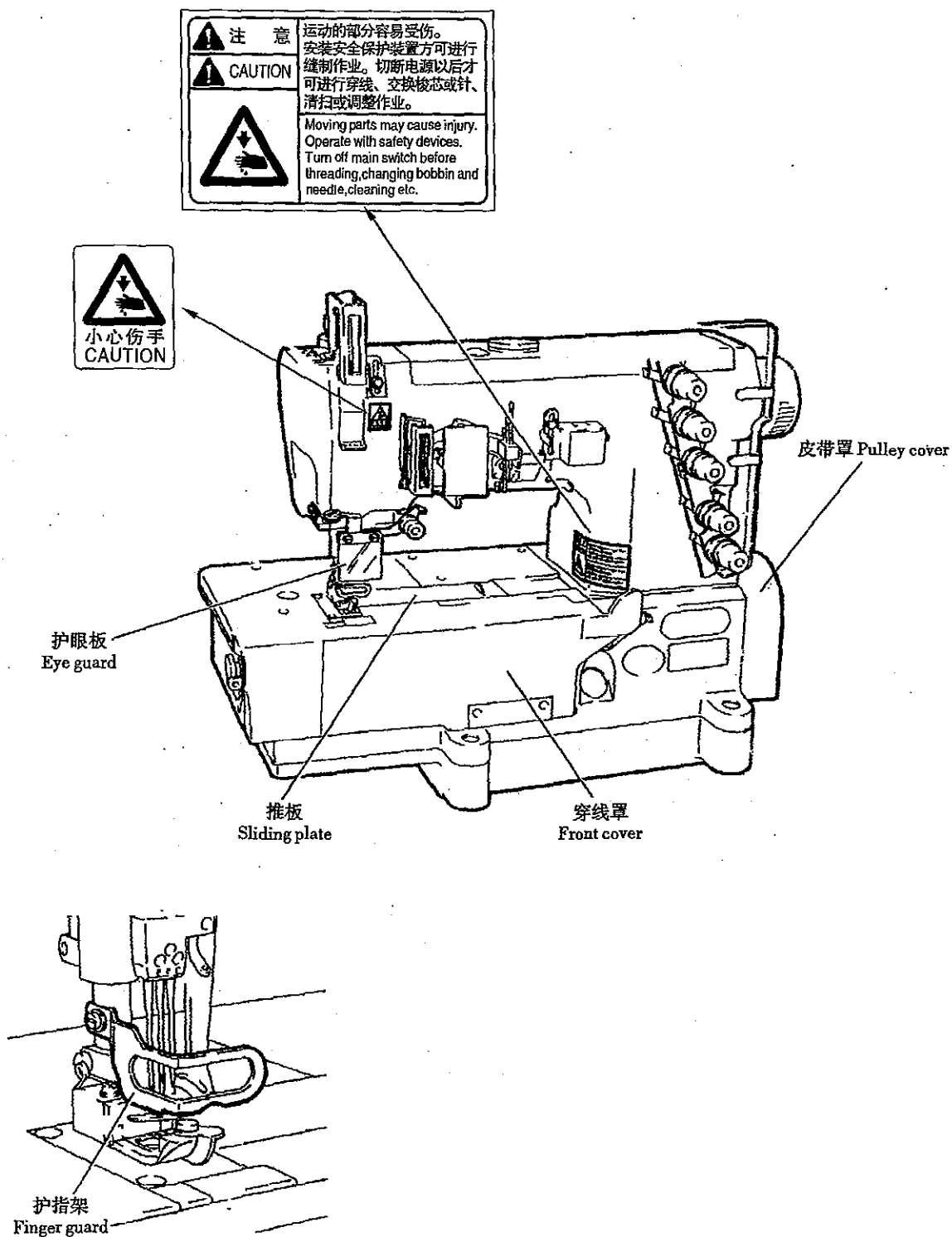
Be sure to replace the safety devices and/or safety covers that are temporarily removed for maintenance and/or adjustment.

- 8.维护、检查、修理的作业完成后，请检查接通电源之后是否确实没有危险。

After performing maintenance, check and repair, make sure that turning on the power does not pose any danger to you.

安全须知 请先仔细阅读 Be sure to study very carefully for safety.

4、警告标签粘贴的位置与安全保护装置 Location of warning labels and safety devices



5、安全保护装置 Protectors for safety

这个项目是为了使大家都知道各种安全保护装置，并记载了各部分的注意事项。

This chapter describes each protector for safety. Therefore, read and study the following carefully.

(1) 护眼板 Eye guard

为了眼睛的安全，绝对不要在打开护眼板的状态下操作缝纫机。护眼板是为了在缝纫中针断了时，使断针不会飞入眼睛而安装的护眼罩。

For the safety of eyes, do not operate the machine with the eye guard open. The eye guard will prevent any pieces of the broken needle from getting into your eyes if the needle should break during sewing.

(2) 护指架 Finger guard

为了防止上下运动的机针与人接触而产生危险，在机针附近安装了护指架。但是，在护指架上方为了便于穿线而留有间隙。如果将手指从间隙伸入，机针有可能会刺伤手指造成危险。

To prevent the needle that moves up and down from contacting any of your body, the finger guard is installed close to the needle. However, there is clearance above the finger guard for easy threading. Be careful that the needle may penetrate any of your fingers if you insert it into this clearance.

(3) 皮带罩 Pulley cover

缝纫机的传动轮和V形皮带轮都被罩在皮带罩内，在缝纫中（特别在高速运转中）与人接触是很危险的。为了避免危险，务必长时使护罩处于安装好的状态。

The machine pulley and V belt are covered with the pulley cover. The machine pulley and the V belt rotate at high speed during sewing.

To prevent accidents, operate the machine with the pulley cover installed in place.

(4) 传动轮 Pulley

请确认缝纫机传动轮的旋转方向，正确的旋转方向在传动轮侧看是向右转的。

Check the direction in which the machine pulley rotates. It should rotate clockwise as seen from the pulley.

(5) 压脚 Presser foot

从针板表面压脚的上升量是5mm以上，这个间隙有夹手指的危险。在用膝盖开关抬升压脚时或用踏板自动抬升压脚时，请不要将手指伸入压脚下方。

There is a clearance of more than 5mm between the top surface of the needle plate and the presser foot. Be careful that none of your fingers are caught in this clearance. Never insert any of your fingers under the presser foot when raising the presser foot with the knee switch or automatically raising it with the treadle.

(6) 穿线罩 Form cover

弯针的运动从缝纫机正面看时，是进行左右往复的圆弧运动。为了避免进行圆弧运动的弯针与人接触，务必请在穿线罩闭合的状态下操作缝纫机。

The looper travels left to right while drawing an arc as seen from the front of the machine. To prevent the looper from contacting any part of your body, be sure to operate the machine with the front cover closed securely.

(7) 推板 Sliding plate

下线挑线器在缝纫时为了挑出一定量的下线在做旋转运动，为了避免进行旋转运动的下线挑线器与人接触，务必请在推板闭合的状态下操作缝纫机。

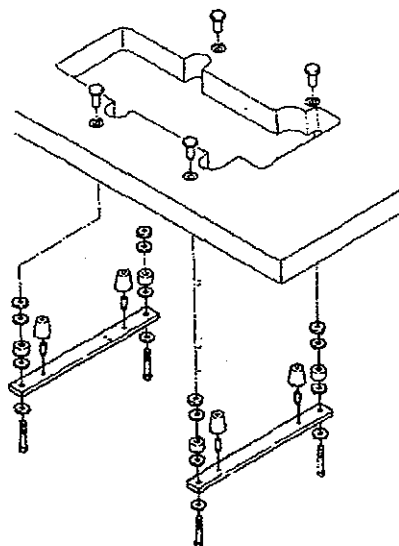
The looper thread take-up rotates in order to supply the required amount of looper thread during sewing. To prevent the looper thread take-up from contacting any of your body, be sure to operate the machine with the sliding plate closed securely.

安装台的组装 Assembling the machine rest board

请参照下图组装安装台。

组装时注意不要留缝隙或松动的地方，确实可靠的进行安装。

Assemble the components comprising the machine rest board by referring to the illustration below. Be sure to secure all rods, nuts and bolts firmly with no shake.



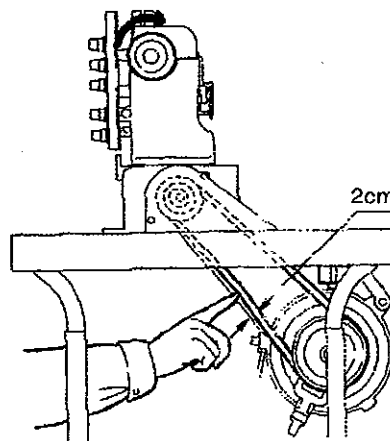
缝纫机的安装 Sewing machine installation

安装缝纫机时，务必将缝纫机的电源关掉，将插头从电源插销上拔下来之后再进行。

Always turn off the power, unplug the machine and then well-qualified technicians should install the machine.

请将缝纫机安装在台板上之后，再安装V形传动皮带，然后调节缝纫机电机的位置，使之用手按压V形传动皮带中间部分时能有2cm的余量。

Mount the machine on the machine rest board first. Put the V belt in place. Position the machine motor so that an approx 2cm deflection can be obtained by pressing the center of the belt (see the illustration).



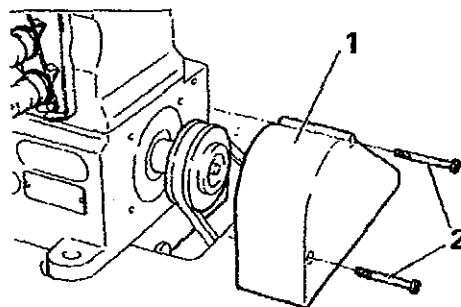
皮带轮护盖的安装 Installing the belt cover

安装皮带轮护盖时，务必将缝纫机的电源关掉，将插头从电源插销上拔下来之后再进行。

Always turn off the power, unplug the machine and then well-qualified technicians should install the belt cover.

请参照右图，用螺丝2将皮带轮护盖1安装在缝纫机上。

Install belt cover 1 on the machine with screws 2.



缝纫机的旋转方向 Operating direction of the machine pulley

缝纫机的旋转方向从手轮一侧看是向右旋转的。The machine pulley rotates clockwise as seen from the end of the machine pulley.

关于供油 Lubrication

在加机油或换机油时，请务必使用本公司指定的机油，如果使用指定以外的机油，有可能损坏缝纫机。

When lubricating the machine and/or replacing the oil, use JOYEE recommended oil. Using other oils may damage the machine.

1. 使用的油类 Use the following oil

请使用本公司指定的高速缝纫机油或者使用与此相同的ESSOTEX SM22(Exxon Mobil制造). JOYEE designated oil: HIGH SPEED SEWING MACHINE OIL or Equivalents: ESSOTEX SM22 manufactured by Exxon Mobil.

2. 供油的方法 To fill the machine with oil

揭开供油口的盖子1，加油至油面到达油标尺的H线和L线中间，加完油后，请盖好供油口的盖子1。

Remove cap 1. Add the oil until the oil level (see oil gauge 2) reaches (H). After filling the tank with oil, replace cap 1.

3. 油的规定量 Required amount of oil

油标尺2的H线和L线表示着油量的上限和下限。为使油面经常保持在H线和L线之间，请常常检查注意加油。

(H) on oil gauge 2: Upper limit (L) on oil gauge 2: Lower limit The oil level should always lie between (H) and (L).

4. 用手加油 Manual lubrication

在用手加油时，务必将缝纫机的电源关掉，将插头从电源插销上拔下来之后再进行。

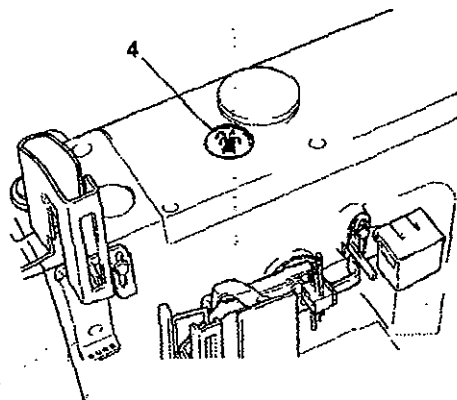
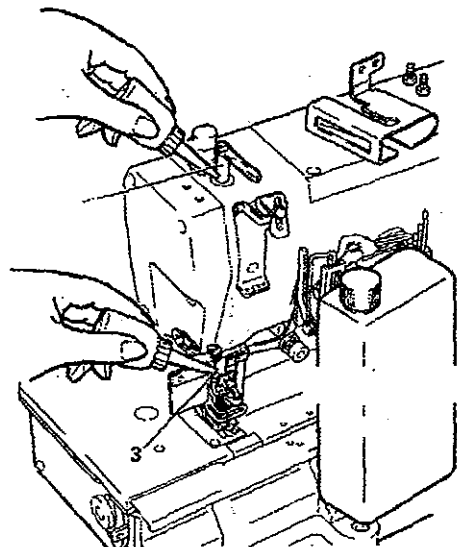
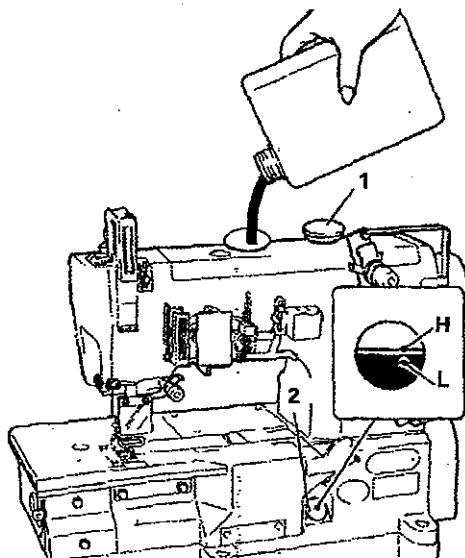
Always turn off the power and unplug the machine when you spory oil by hand. In the beginning use of the sewing machine, or when using the sewing machine for a long time, use the oil can to add 2~3 drops of oil to the needle bar 3.

Apply two or three drops of oil to needle bar 3 by hand when the machine is used for the first time or left unused for some time.

5. 检查机油的循环状况 Checking oil circulation

请在加完油后，踩下缝纫机踏板，使缝纫机运转，通过油窗4检查机油的循环状况是否良好。

Once the machine has been properly filled with oil, press the machine treadle to run the machine and check oil gauge window 4 to see if the oil is flowing.



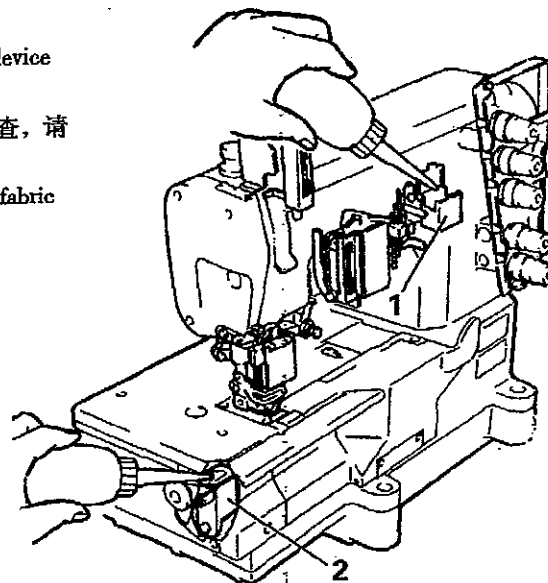
给HR装置供油 Silicone oil for H.R. device

在给HR装置供油时，务必将缝纫机的电源关掉，将插头从电源插销上拔下来之后再行。

Always turn off the power and unplug the machine when you fill the HR device with silicone oil.

在HR装置的硅油箱1·2，为了防止机线断线加有硅油，请经常检查，请尽早补充硅油。

Fill silicone oil tanks 1, 2 with silicone oil. To prevent thread breakage or fabric damage, add the silicone oil before it is too low.



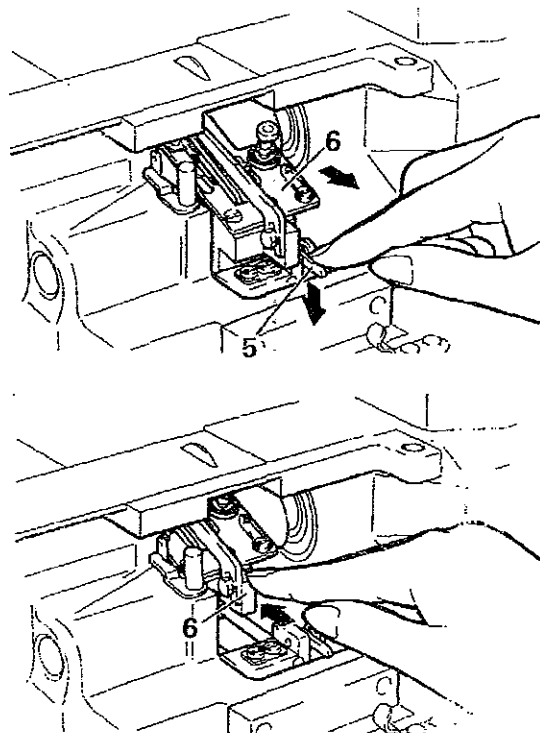
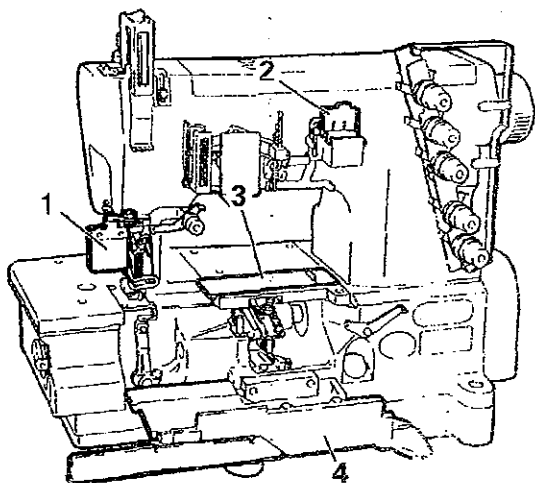
穿线的方法 Threading

在进行穿线时，务必将缝纫机的电源关掉，将插头从电源插销上拔下来之后再行。

Always turn off the power and unplug the machine when you thread the machine.

1.请打开护眼罩1和护盖2、3、4

Open eye guard 1 and covers 2,3 and 4.



2.请按板手5，这时下线挑线器6会挑出来，穿好线后，在返回原来的位置时，请按一下下线挑线器6。

Press lever 5 and bracket 6 comes out toward you. After threading, press bracket 6 into place.

3.(如果已穿好线时)

In case the machine is threaded previously
A部：请将已穿好的线与缝纫用线连接起来。

Knot the preset thread and the thread being used together to thread the machine.

B部：针线 Needle thread

将连接的针线穿到针眼前后，剪掉接头，再重新穿针线。

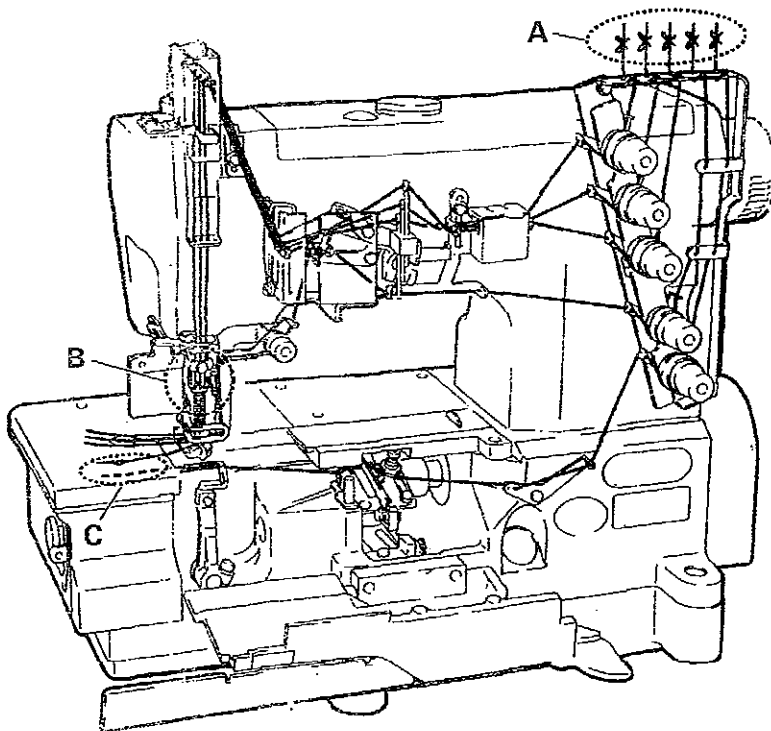
Trim the knots off neatly before passing through the eye of the needle to thread.

C部：弯针线、上装饰线

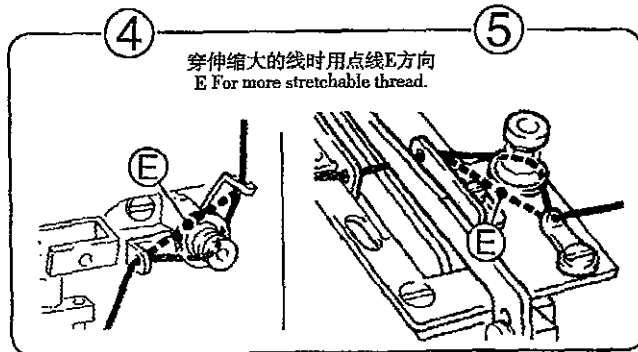
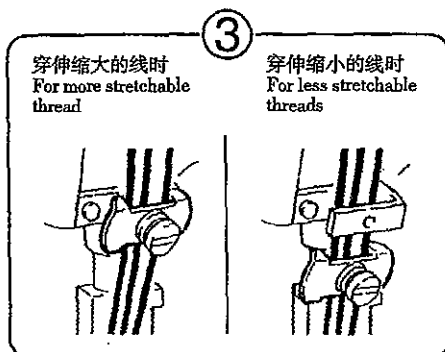
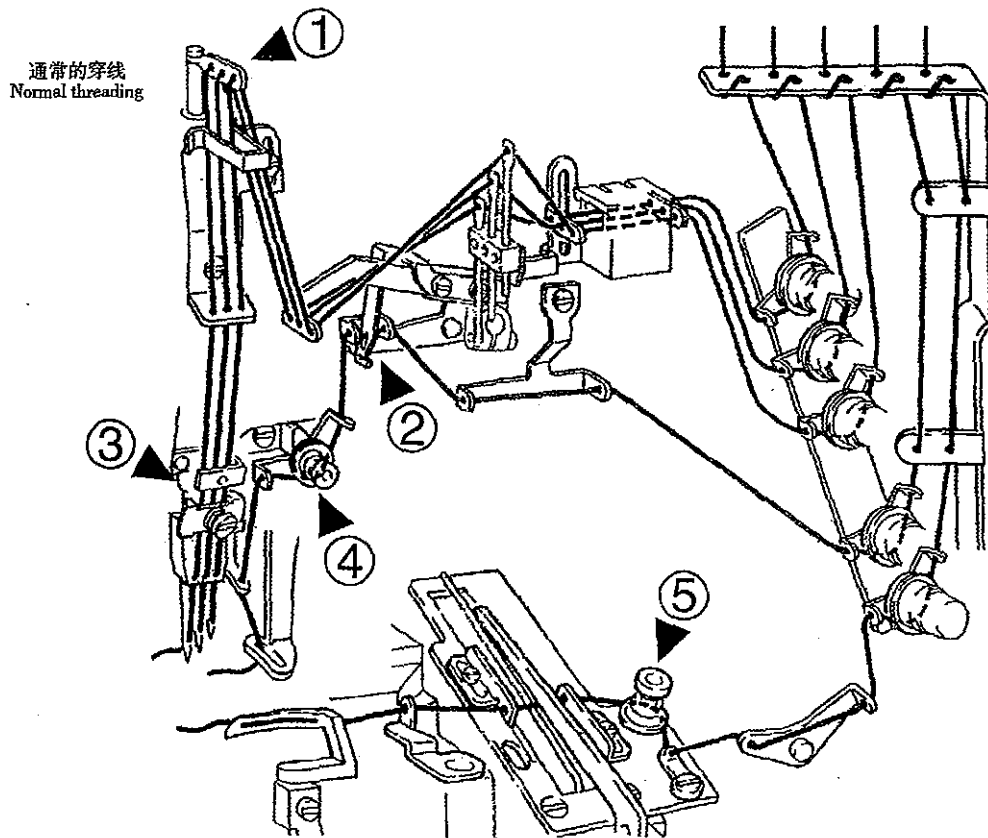
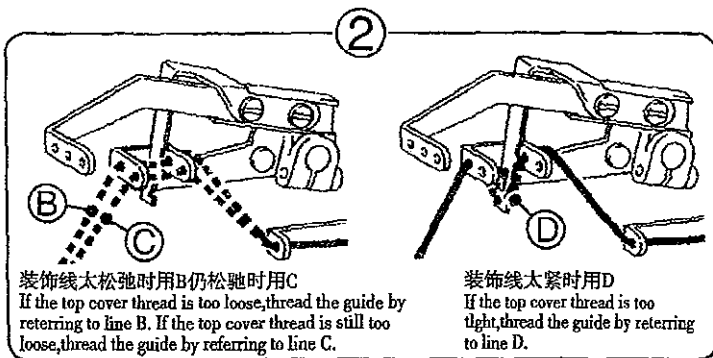
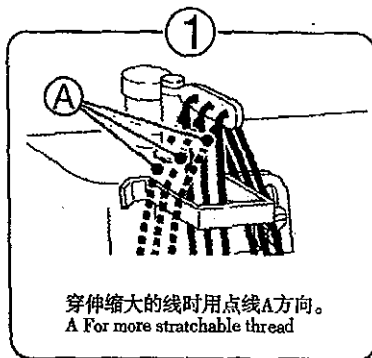
Looper thread, Top cover thread.

可一直将连接的线头穿好后，再用剪刀剪掉线头整好。

Trim the knots off neatly after passing through the eye of the looper.



4.穿线图 Threading diagram



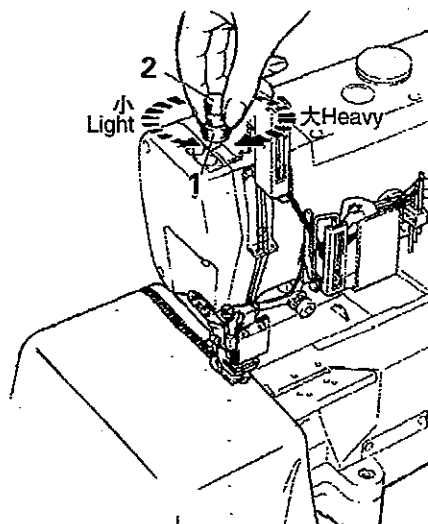
压脚压力的调节 Adjusting presser foot pressure

压脚的压力在送布能正确的进行,并且能缝出稳定针脚的范围内,请尽量使用较小的压力为宜。

The presser foot pressure should be as light as possible, yet sufficient to feed the fabric correctly and provide the uniform stitch formation.

松开螺母1, 旋转螺丝2进行调节, 调节完后拧紧螺母1。

Loosen nut 1, Adjust the presser foot pressure, Adjustment is made by turning screw 2 clockwise or counterclockwise. Tighten nut 1.



差动比的调节 Adjusting the differential feed ratio

1. 松开螺母3, 将板手4向下扳, 则差动比变大, 缝纫的布料会伸长。

Loosen nut 3 for the differential feed ratio adjustment.

To increase the differential feed ratio, lower lever 4.

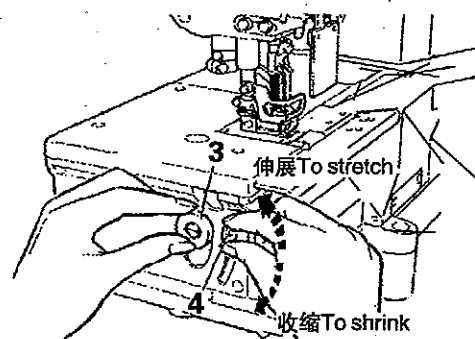
The finished fabric is shrunk.

To decrease the differential feed ratio, raise lever 4.

The finished fabric is stretched.

2. 调节完后, 请将螺母3拧紧。

After this adjustment tighten nut 3.



针脚长度的调节 Adjusting stitch length

在调节针脚长度时, 务必将缝纫机的电源关掉, 并将插头从电源插销上拔下来之后, 再请专门的技术人员进行操作。

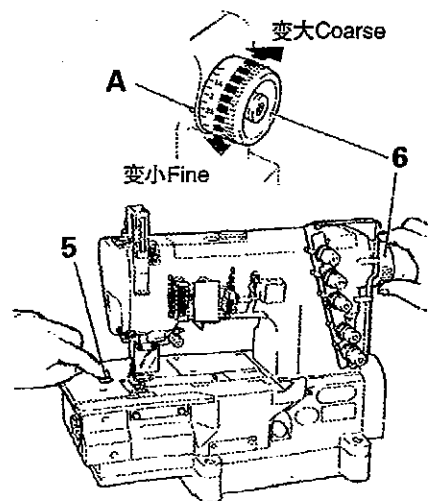
Always turn off the power and unplug the machine when adjusting the stitch length.

1. 一边轻轻按着套式按钮5, 一边转动手轮6, 这时套式按钮会陷下去一些。

While pressing the push button 5, turn the handwheel 6 to seek the position at which the push button 5 goes further into the depth.

2. 请继续按着套式按钮5, 并转动手轮6, 使所希望的刻度与记号A相吻合。

Then keeping the push button 5 pressed, turn the handwheel 6 and set the desired scale to the aligning mark A.



注: Note

缝纫针脚长度的调节, 请务必在调节差动比之后进行。

Stitch length adjustment must only be made after the differential feed ratio has been changed.

线状态的调节 Adjusting the thread tension

线状态的调节请用针线调节旋钮1, 上装饰线调节旋钮2和下弯针调节旋钮3进行调节。

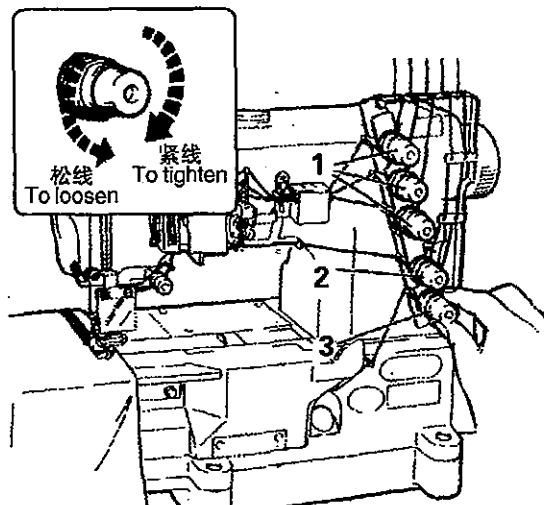
To obtain the proper thread tension, adjust needle thread tension knobs 1, top cover thread tension knobs 2 and looper thread tension knob 3.

想将线拉紧一些时, 可将各旋钮向右旋转, 想松一些时可向左旋转。在能取得均匀且漂亮缝纫效果的情况下, 尽量采用较松的夹线状态。

To tighten the thread, turn each knob clockwise.

To loosen the thread, turn each knob counterclockwise.

Each thread tension should be as light as possible, yet be sufficient to produce balanced and beautiful stitches.



缝纫机的清扫 Cleaning the machine

在清扫缝纫机时, 务必将缝纫机的电源关掉, 将插头从电源插销上拔下来之后再进行。

Always turn off the power and unplug the machine when you clean the machine.

1. 打开穿线罩4和推板5, 请松开螺丝6, 卸下针板7。

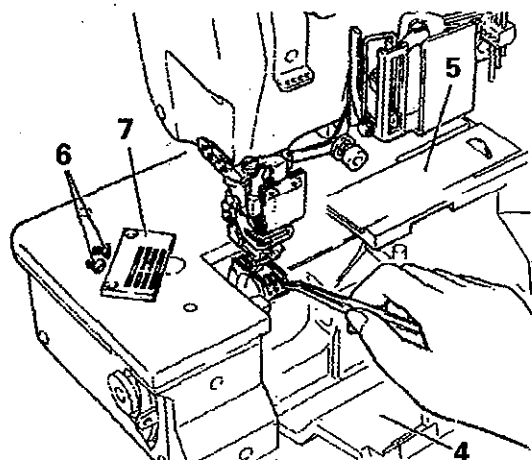
Open front cover 4 and slide plate 5. Loosen screws 6 and remove needle plate 7.

2. 请打扫针板的空槽和送布牙周围。

Clean the grooves of the needle plate and the area around the feed dogs.

3. 请用螺丝6安装针板7, 并且关闭穿线罩4和推板5。

Replace needle plate 7 with screws 6. Then close front cover 4 and slide plate 5.



机针的更换 Replacing the needle

在更换机针时，务必将缝纫机的电源关掉，将插头从电源插销上拔下来之后再进行。

Always turn off the power and unplug the machine when you replace the needle(s).

1. 请使用红色把柄（1.5mm）的六角螺丝刀松开固定螺丝1。

Loosen screw(s) 1 using a red-handled key wrench(1.5mm).

2. 用附带工具箱的镊子将旧针取下来。

Remove the old needle(s) by using a pincette (provided as accessories).

3. 将机针的凹槽朝着缝纫机后面进行安装。

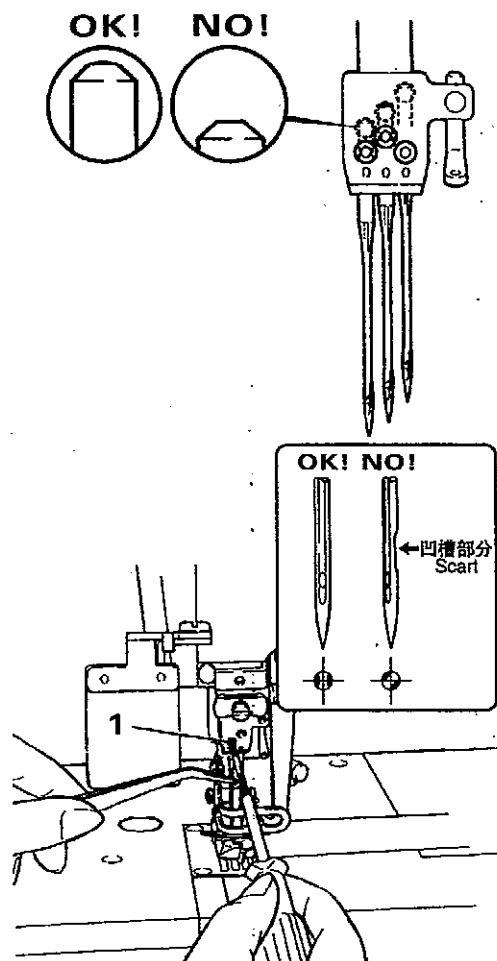
Fix the needle so that its scarf faces the rear side of machine.

4. 用镊子将新针插入到针箍架孔的最深处。

Insert a new needle into the needle hole as far it will go by using a pincette.

5. 然后使用红色把柄（1.5mm）的六角螺丝刀拧紧固定螺丝1。

Tighten screw(s) 1 using a red-handled key wrench(1.5mm).



机油的更换 Oil replacement

缝纫机在开始使用1个月后更换一次机油，然后请每6个月更换一次机油。如果不更换机油继续使用，缝纫机有可能发生故障。

Replace the oil one month after the first use and thereafter every six months. If you keep using the old oil it may cause the damage to the machine.

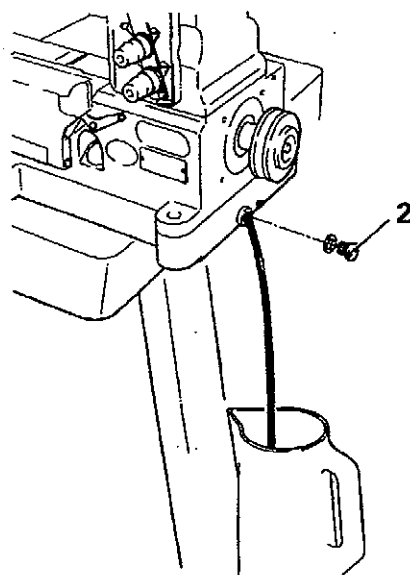
排油的方法 To drain the oil

1. 请卸开油箱底座排油孔盖螺丝2，排出旧油。

Drain the oil by removing screw 2 on the left side of the oil pan.

2. 排完油后，将排油孔盖螺丝2拧紧。

Tighten screw 2 after draining.



油泵滤油网的检查与清扫 Checking and cleaning the oil filter

在进行油泵滤油网的检查与清扫时，务必将缝纫机的电源开关关掉，将电源插头从插座上拔下之后，请专门的技术人员进行操作。

Always turn off the power, unplug the machine and then well-qualified technicians should check and clean the oil filter.

每6个月请将油泵滤油网卸下来检查、清扫一次。

Check and clean the oil filter every six months.

To check and clean the oil filter.

1. 卸下螺丝1、2，然后请卸下油盘3。

Remove screws 1 and 2, Remove oil reservoir 3.

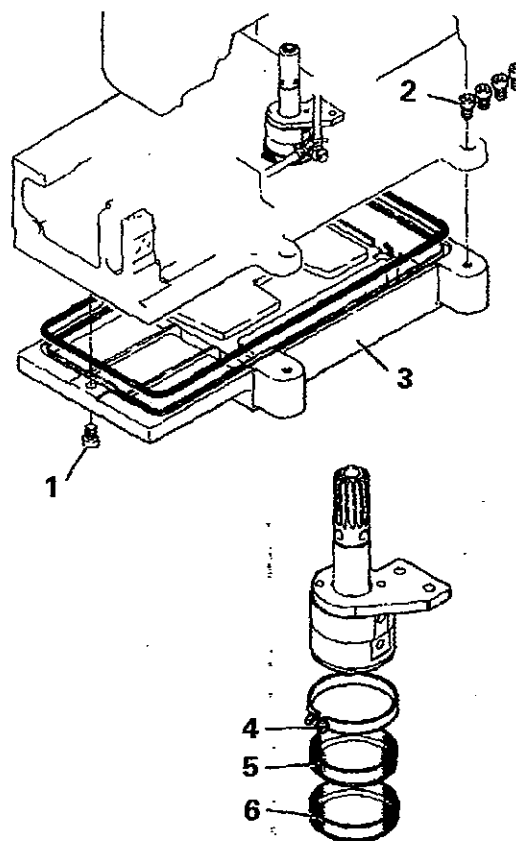
2. 松开螺丝4，拆卸下过滤网5（内）和过滤网6（外），然后请进行检查和清扫。

Loosen screw 4, Remove inner and outer filters 5 and 6.

Then check and/or clean these filters.

3. 请将油盘3（内）过滤网5和（外）过滤网6按原来的样子进行安装。

Reinstall oil reservoir 3, filters 5 (inner) and 6 (outer).



调整基准数值 Adjustment dimensions

(mm)

	X□□□								
CW562N-01GB	240	9.3	4.0~4.3	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	348	9.4	3.6~3.9	8.8~9.2	4.5~5.0	17.0	0.8~1.2		
	356	8.5	3.2~3.5	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	364	8.1	2.8~3.1	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
CW562N-02GB	232	9.8	4.4~4.7	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	240	9.3	4.0~4.3	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	348	9.4	3.6~3.9	8.8~9.2	4.5~5.0	17.0	0.8~1.2		
	356	8.5	3.2~3.5	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	364	8.1	2.8~3.1	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
CW562N-05CB	232	9.8	4.4~4.7	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	240	9.3	4.0~4.3	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	248	8.9	3.6~3.9	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	356	8.5	3.3~3.5	8.3~8.7	4.5~5.0	17.0	0.8~1.2		
	364	8.1	2.8~3.1	8.3~8.7	4.5~5.0	17.0	0.8~1.2		

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针号对照表 Comparison table of equivalent sizes

日本针号 (Organ) Japanese size (Organ)	#	9	10	11	14	16	18	21
德国针号 (Schmetz) Metric size (Schmetz)	Nm	65	70	75	90	100	110	130

标准用针 Standard needle

CW562N-01GB -02GB -05GB	X□□□	Organ UY128GAS
	232	9S~10S
	240	9S~10S
	348	10S~11S
	356	10S~11S
	364	10S~11S

CW500N 系列子型号规格表
CW500N 系列

CW500N Series subclass specifications
CW500N Series



用途 Application	子型号 Subclass	针数 (根) Number of needles	线数 (根) Number of threads	针距(mm) Needle space(mm)	最大 针脚长 (mm) Max stitch length (mm)	差动比 Diff feed ratio	压脚抬升量 (mm) Presser foot lift (mm)	最高旋转数 (rpm) Max speed (rpm)	备 考 Remarks
基本缝 Versatile	CW562N-01GB	2	4	4	4.4	0.5 ~ 1.3	6.3	6,000	
		3	5	4.8 · 5.6 · 6.4	4.4	0.5 ~ 1.3	5	6,000	
滚边用 Binding tape	CW562N-02GB	2	4	3.2 · 4	4.4	0.5 ~ 1.3	6.3	6,000	
		3	5	4.8 · 5.6 · 6.4	4.4	0.5 ~ 1.3	5	6,000	
缝花边松紧带 Aouching elastic lace	CW562N-05CB	2	4	3.2 · 4 · 4.8	4.4	0.5 ~ 1.0	5.3	5,500	
		3	5	5.6 · 6.4	4.4	0.5 ~ 1.0	5	5,500	

※ 差动比使用1:1.3以上时, 请将主送布牙运动量设定在3.2mm以下。

It you use the machine with a differential feed ratio of more than 1:1.3 the main feed dog movement amount should be less than 3.2mm.

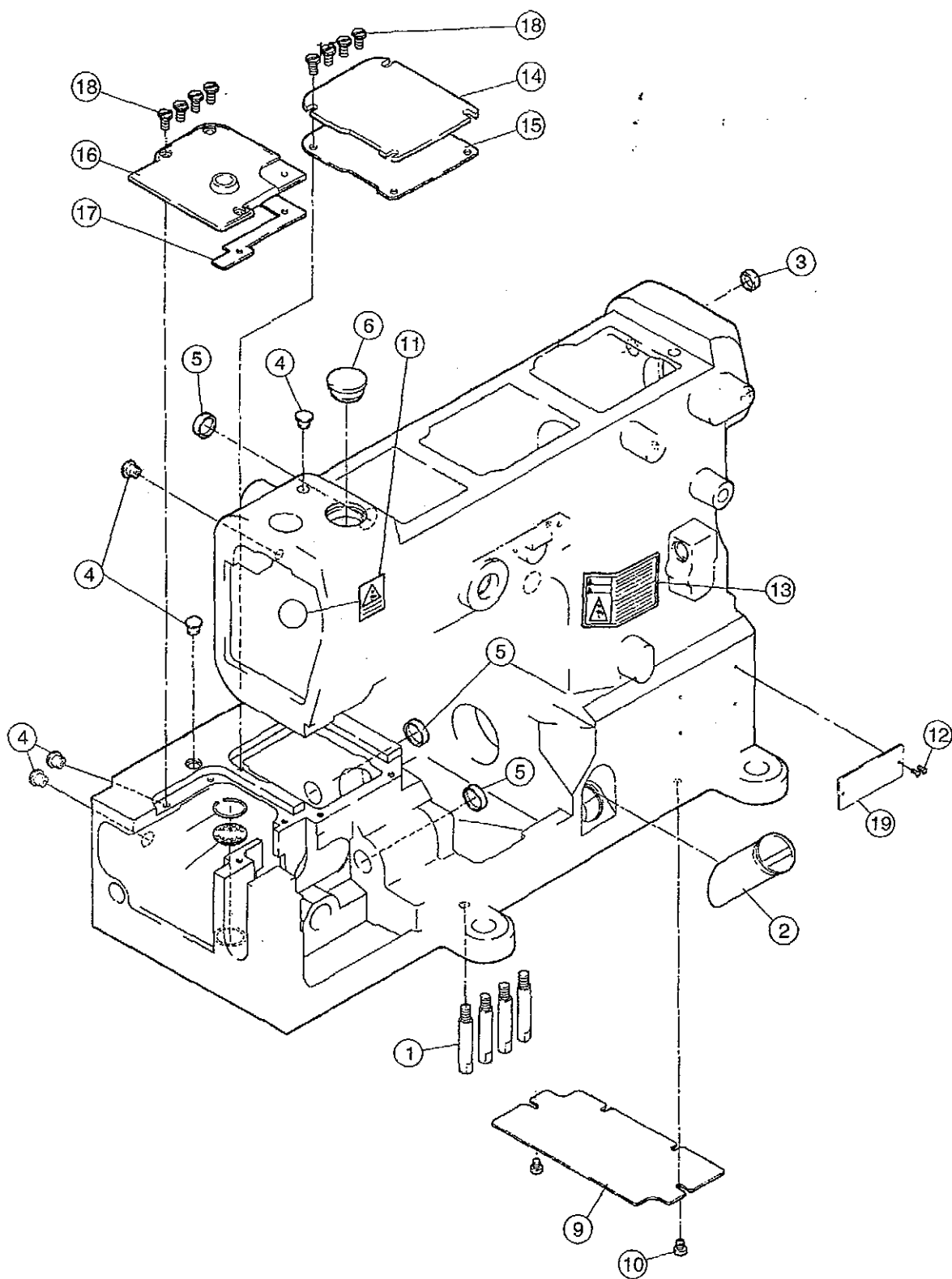
针脚形式 Stitch type	602, 605
使用的针 Needle size	UY128GAS #9S~#11S
缝机尺寸(W×D×H) Machines size(W×D×H)	W:495mm D:280mm H:414mm

干燥时重量 Net weight(head only)	41.5Kg
总重量 Gross weight(with accessories)	47.5Kg
噪音 Working noise level	n=5.400mm; LpA≤82.0dB DIN 45635 4BA-1 遵循

零件手册

PARTS LIST

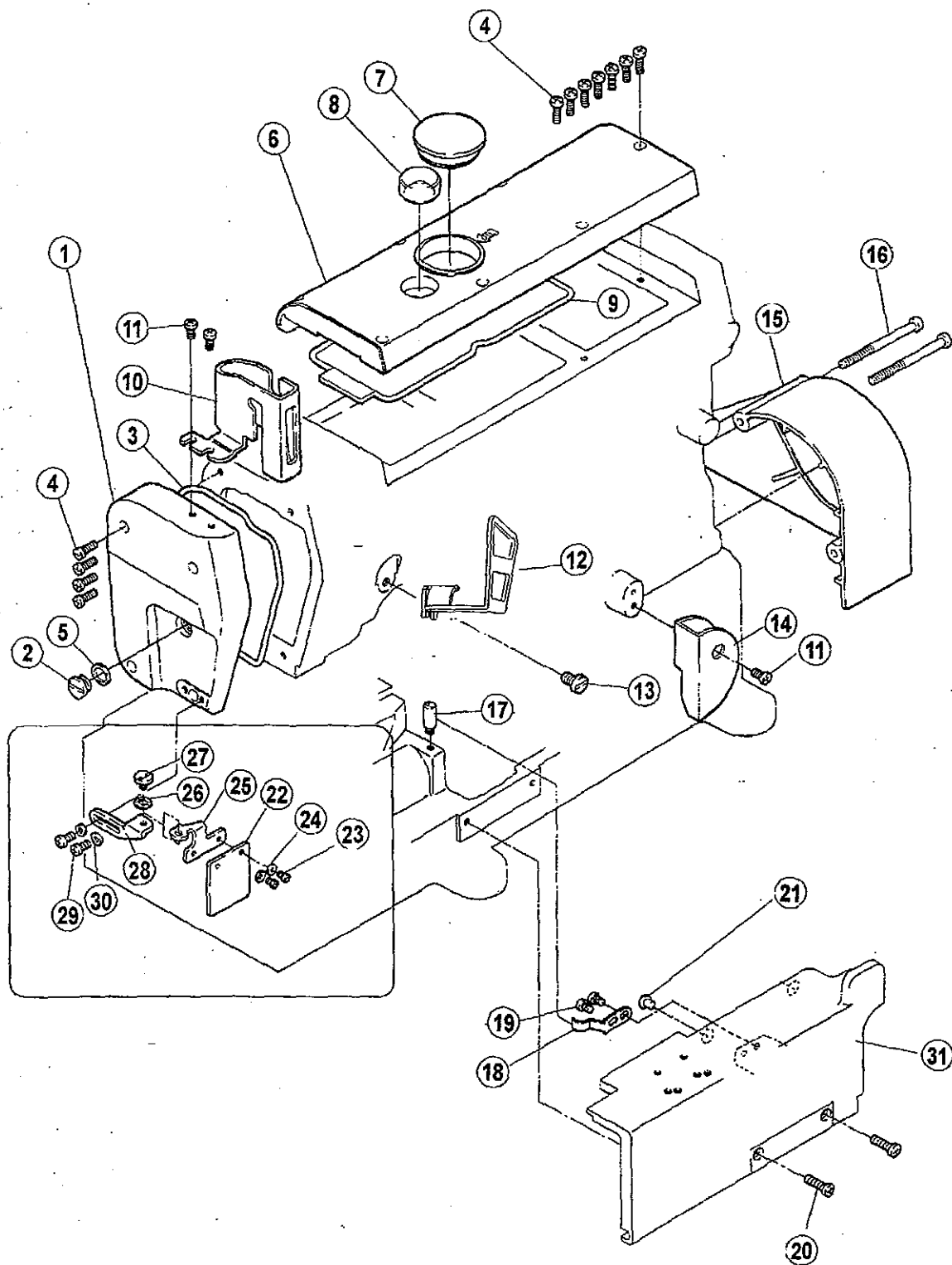
一、机壳结构(1) MACHINE BED FRAME (1)



一、机壳结构(1) MACHINE BED FRAME (1)

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50010001	机座螺钉	4
2	50010002	油量指示窗	1
3	50010003	抬压轴后油塞	1
4	50010004	机头油塞	5
5	50010005	骨架油塞	3
6	50010006	针杆曲柄螺孔油塞	1
7	50010007	内孔挡圈	3
8	50010008	过滤网	3
9	50010009	底盖板	1
10	50010010	底板罩螺钉	2
11		三角形注意标签	1
12	35.1-23	铆钉	2
13	10.1-40	警示标签	1
14	50010011	弯针传动盖板	1
15	50010012	弯针传动盖油垫	1
16	50010013	针距按钮盖	1
17	50010014	针距按钮盖密封垫	1
18	50010015	针距按钮盖螺钉	8
19	50010016	型号牌	1

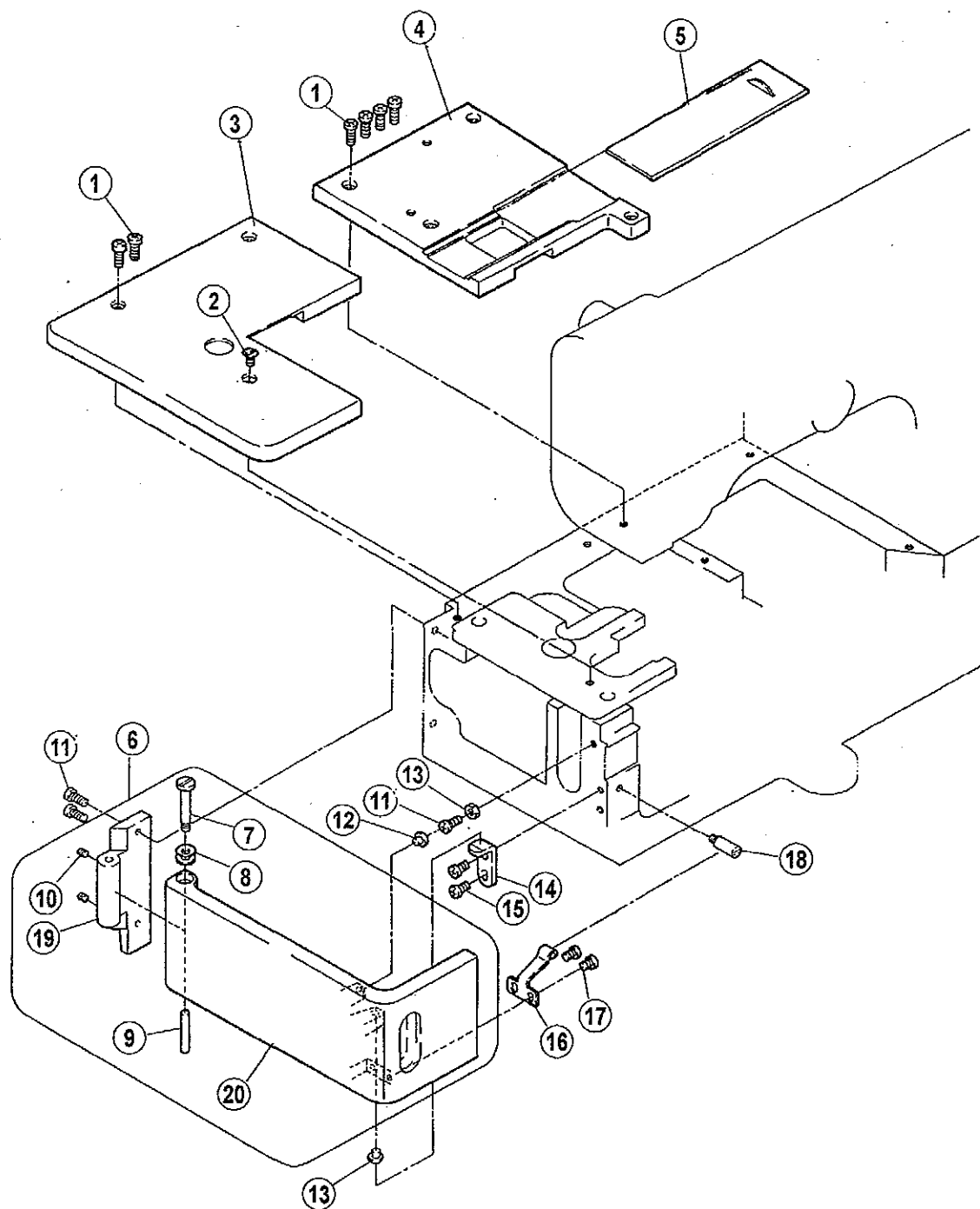
二、机壳结构(2) MACHINE BED FRAME (2)



二、机壳结构(2) MACHINE BED FRAME (2)

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50020001	面板 ARM COVER (LEFT)	1
2	50020002	面板油封螺钉 SCREW	1
3	50020003	面板密封圈 O RING	1
4	50020004	上盖螺钉 SCREW	11
5	50020005	面板油封螺钉密封圈 WASHER	1
6	50020006	上盖板 ARM COVER (TOP)	1
7	50020007	上盖闷头 PLUG	1
8	50020008	喷油窗 OIL SIGHT WINDOW	1
9	50020009	上盖密封圈 O RING	1
10	50020010	挑线防护罩 NEEDLE BAR GUARD	1
11	50020011	上挑线罩螺钉 SCREW	3
12	50020012	过线防护罩 BARCKET	1
13	50020013	挑线防护罩螺钉 SCREW	1
14	50020014	底过线导板 LOOPER THREAD GUIDE COVER	1
15	50020015	皮带罩 PULLER COVER	1
16	50020016	皮带罩螺钉 SCREW	2
17	50020017	底过线连接柱 SCREW	1
18	50020018	穿线罩弹簧 FLAT SPRING	1
19	50020019	穿线罩弹簧螺钉 SCREW	2
20	50020020	穿线罩安装螺钉 SCREW	2
21	50020021	穿线罩防震塞 CUSHION	2
22	50020022	防护罩 EYE GUARD	1
23	50020023	防护罩螺钉 SCREW	2
24	50020024	防护罩垫圈 WASHER	2
25	50020025	防护罩支架 BRACKET	1
26	50020026	防护罩支架波形垫圈 WASHER	1
27	50020027	防护罩铰链螺钉 SCREW	1
28	50020028	防护罩座 BRACKET	1
29	50020029	防护罩安装螺钉 SCREW	2
30	50020030	防护罩安装螺钉垫圈 WASHER	2
31	50021000	穿线罩组件 FRONT COVER	1

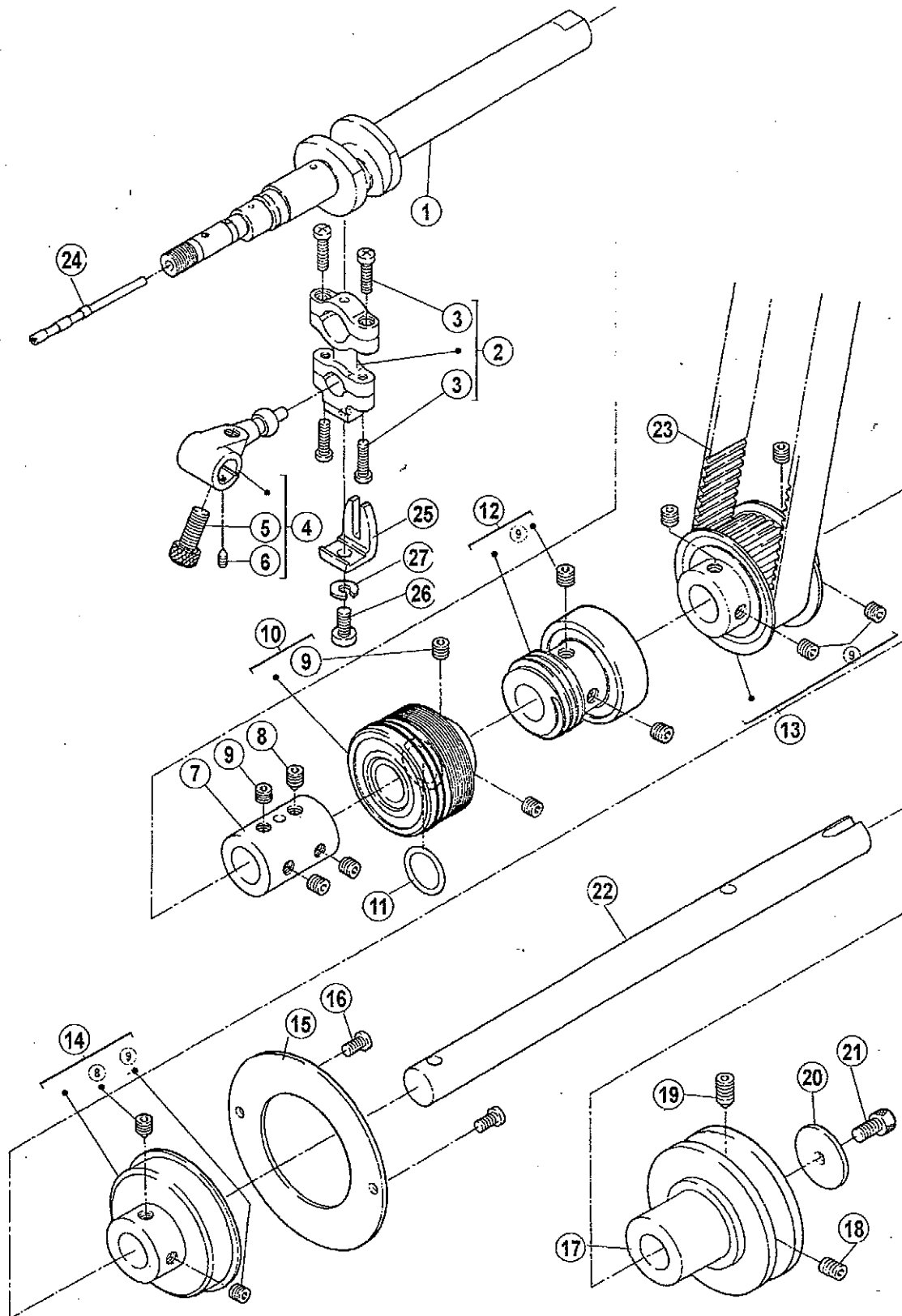
三、机壳结构(3) MACHINE BED FRAME (3)



三、机壳结构(3) MACHINE BED FRAME (3)

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50020004	缝台前板螺钉 SCREW	6
2	50030001	缝台前板沉头螺钉 SCREW	1
3	50030002	缝台左罩 BFD COVER(LEFT)	1
4	50030003	缝台右罩 BFD COVER(RIGHT)	1
5	50030004	推板组件 COVER	1
6	50031000	左侧罩组件 SIDE COVER ASSY	1
7	50031001	左侧罩铰链连接上螺钉 SCREW	1
8	50021006	左侧罩铰链上螺钉垫圈 SPRING	4
9	50031002	左侧罩铰链销轴 PIN	1
10	50031003	铰链上头螺钉 SCREW	2
11	50020029	铰链螺钉 SCREW	3
12	50020021	前罩防震塞 CUSHION	2
13	50030005	螺母 NUT	1
14	50030006	防震板 BRACKLT	1
15	50020011	防震板螺钉 SCREW	2
16	50030007	前罩板弹簧 FLAT SPRING	1
17	50020019	前罩板弹簧螺钉 SCREW	2
18	50020017	前罩定位螺钉 SCREW	1
19	50031004	左侧罩铰链板 LINK COVER	1
20	50031005	左罩板 COVER(LEFT)	1

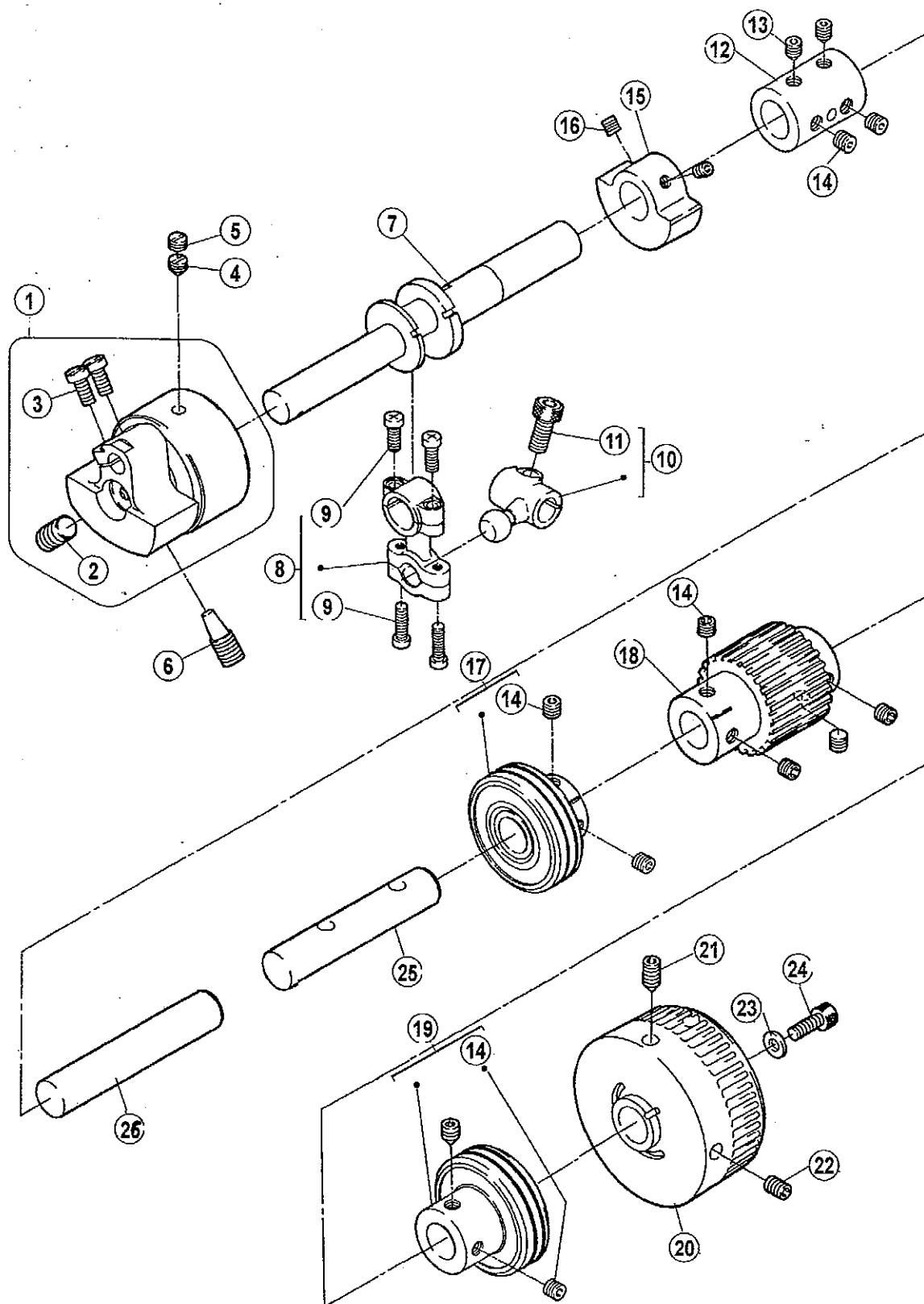
四、下主轴传动机构 CRANK SHAFT DRIVE MECHANISM



四、下主轴传动机构 CRANK SHAFT DRIVE MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50040001	下轴前节轴 CRANK SHAFT ASSY	1
2	50041000	弯针连杆组件 CONNECTION ASSY	1
3	50020004	弯针连杆连接螺钉 SCREW	4
4	50040002	球曲柄 CRANK	1
5	50040003	球曲柄螺钉 BOLT	1
6	50040004	球曲柄紧定螺钉 SCREW	1
7	50040005	联轴器 JOINT	1
8	50040006	联轴器定位螺钉 SCREW	2
9	50040007	螺钉 SCREW	12
10	50042000	下轴中衬套组件 BUSHING	1
11	50042002	O型圈 O RING	1
12	50043000	油泵蜗杆组件 BUSHING	1
13	50044000	主动同步带轮组件 GEAR (LOWER)	1
14	50045000	下轴后衬套组件 BUSHING	1
15	50040008	压紧圈 COVER	1
16	50040009	压紧环螺钉 SCREW	2
17	50040010	皮带轮 MACHINE PULLER	1
18	50040011	从动轮紧定螺钉 SCREW	1
19	50040012	从动轮定位螺钉 SCREW	1
20	50040013	从动轮垫圈 WASHER	1
21	50040014	从动轮垫圈固定螺钉 BOLT	1
22	50040015	下轴后节轴 SHAFT	1
23	50040016	同步带 TIMING BELT	1
24	50040017	下轴油量调节芯针 ADJUSTING BAR	1
25	50040018	叉口 GUIDE	1
26	50040019	叉口螺钉 SCREW	1
27	50040020	开口垫圈 WASHER	1

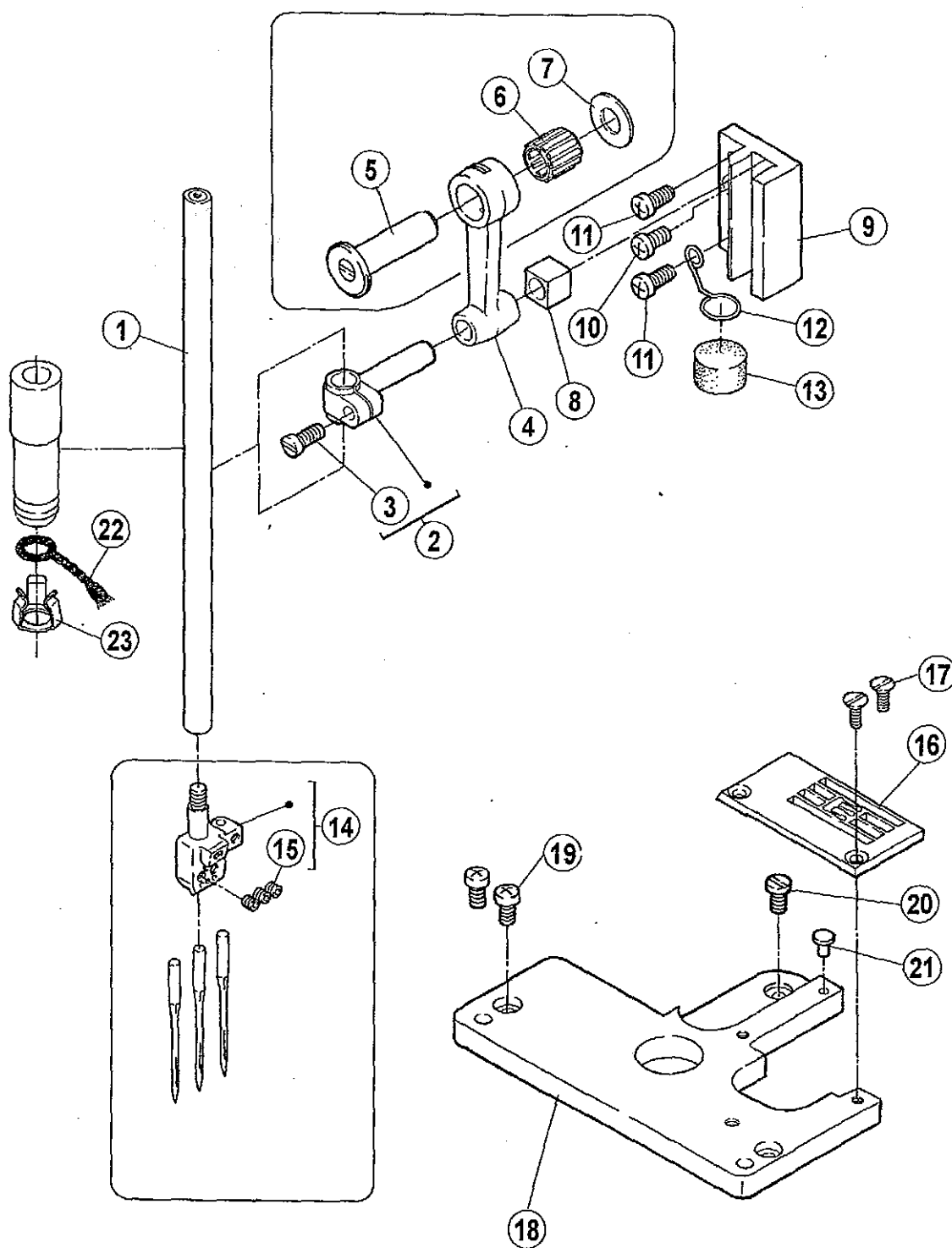
五、上主轴传动机构 ARM SHAFT MECHANISM



五、上主轴传动机构 ARM SHAFT MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50051000	针杆曲柄组件 MOTION ASSY	1
2	50051002	针杆曲柄紧固螺钉 SCREW	1
3	50051003	针杆曲柄夹紧螺钉 SCREW	2
4	50050001	定位螺钉 SCREW	1
5	50050002	止动螺钉 SCREW	1
6	50050003	长锥定位螺钉 SCREW	1
7	50050004	上轴前节曲轴 CRANK SHAFT	1
8	50052000	上挑线连杆组件 CONNECTION ASSY	1
9	50020004	连杆螺钉 SCREW	4
10	50050005	上挑线球曲柄 CRANK ASSY	1
11	50040003	球曲柄螺钉 BOLT	1
12	50040005	联轴器 JOINT	1
13	50040006	后轮定位螺钉 SCREW	2
14	50040007	螺钉 SCREW	10
15	50050006	平衡块 BALANCE WEIGHT	1
16	50050007	上平衡块螺钉 SCREW	2
17	50053000	上轴前衬套组件 BUSHING	1
18	50050009	从动时规轮 GEAR (UPPER)	1
19	50054000	后衬套组件 BUSHING	1
20	50050010	手轮 HAND WHEEL	1
21	50040011	上轮紧定螺钉 SCREW	1
22	50040012	上轮定位螺钉 SCREW	1
23	50050011	上轮垫圈 WASHER	1
24	50050012	上轮螺钉 SCREW	1
25	50050008	上轴后节 SHAFT	1
26	50050013	上轴中节 SHAFT	1

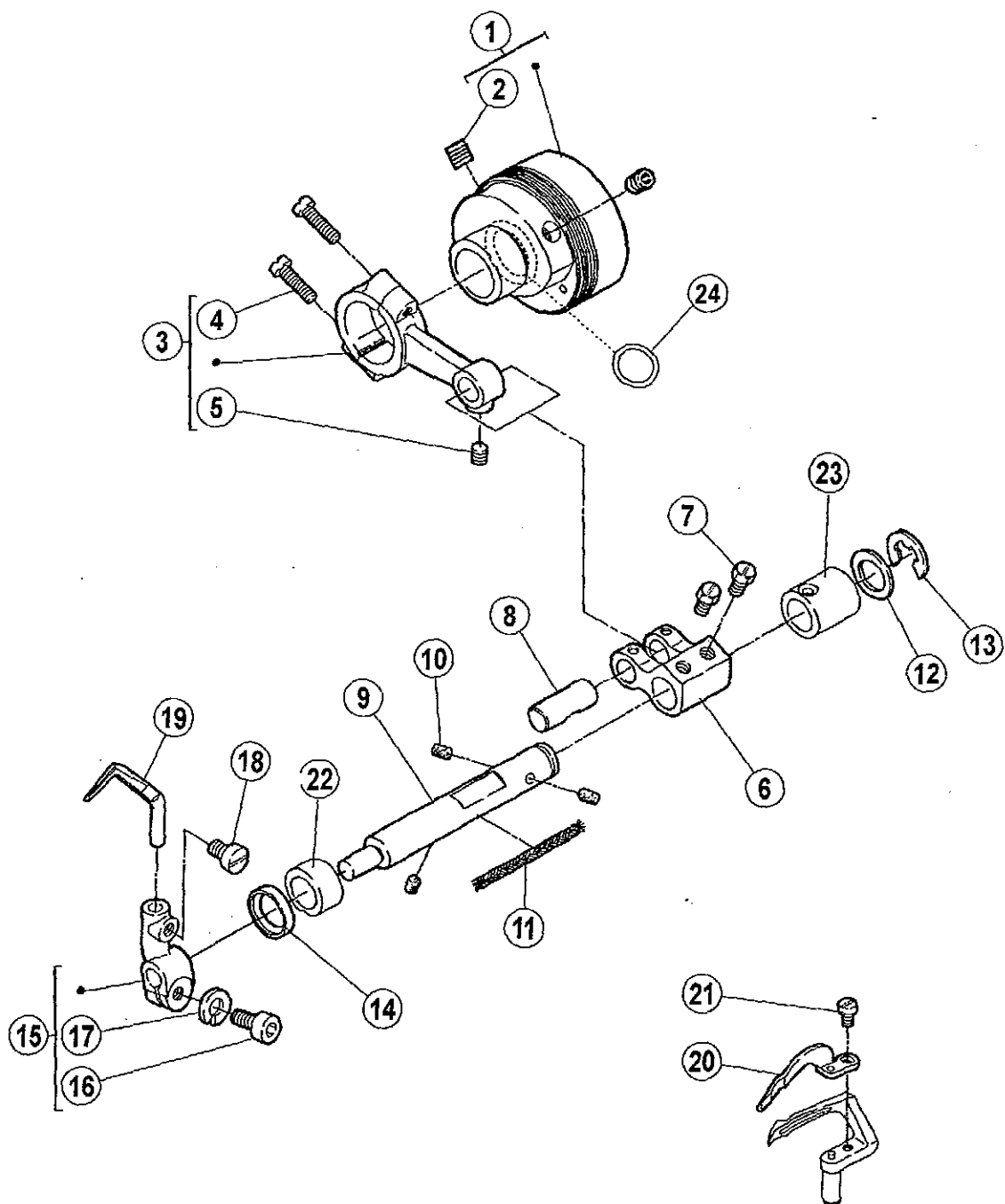
六、针杆结构 NEEDLE BAR MECHANISM



六、针杆结构 NEEDLE BAR MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50060001	针杆 NEEDLE BAR	1
2	50060002	针杆接头 NEEDLE BAR CLAMP	1
3	50060003	针杆接头螺钉 SCREW	1
4	50060004	针杆连杆 LINK / NEEDLE BAR DRIVE	1
5	50060005	针杆连杆销 PIN	1
6	50060006	滚针轴承 NEEDLE BEARING	1
7	50060007	针杆连杆垫圈 WASHER	1
8	50060008	针杆滑块 BLOCK	1
9	50060009	针杆滑块座 GUIDE BLOCK / NEEDLE BAR	1
10	50020029	螺钉 SCREW	1
11	50020004	针杆滑块座螺钉 SCREW	2
12	50060011	油毡定位圈 LATCH	1
13	50060012	油毡 SPONGE	1
14	50060013	针夹 NEEDLE HOLDER	1
15	50060014	针夹螺钉 SCREW	3
16	50060015	针板 NEEDLE PLATE	1
17	50060016	针板螺钉 SCREW	2
18	50060017	针板接板 BRACKET	1
19	50020011	针板架螺钉 SCREW	2
20	50040009	针板架前螺钉 SCREW	1
21	50060018	防震塞 CUSHION RUBBER	1
22	50060019	针杆油线 OIL WICK	1
23	50060020	针杆上套油线夹头 OIL WICK RETAINER	1

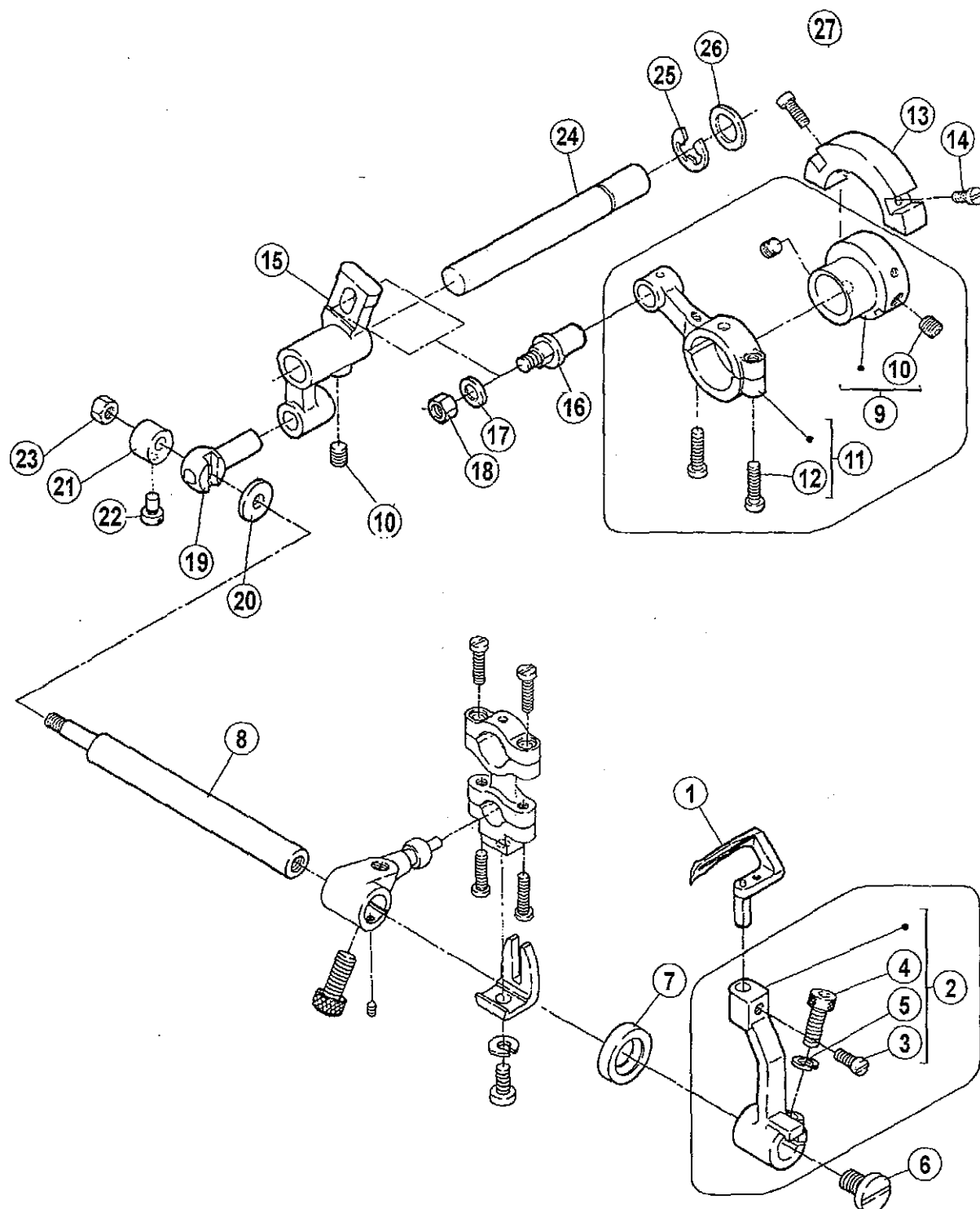
七、保针机构 NEEDLE GUARD MECHANISM



七、保针机构 NEEDLE GUARD MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50071000	下轴前衬套组件 ECCENTRIC ASSY	1
2	50070001	下轴前衬套螺钉 SCREW	2
3	50072000	保针连杆组件 CONNECTION ASSY	1
4	50020004	保针连杆螺钉 SCREW	2
5	50031004	保针连杆紧定螺钉 SCREW	1
6	50070003	保针曲柄 CRANK	1
7	50070004	保针曲柄螺钉 SCREW	2
8	50070005	保针曲柄销 PIN	1
9	50070006	保针轴 SHAFT	1
10	50070007	保针轴油线 FELT	3
11	50070008	油线 OIL WICK	1
12	50070009	保针轴垫圈 WASHER	1
13	50070010	保针轴开口挡圈 RING	1
14	50070011	保针轴骨架防油圈 OIL SEAL	1
15	50070012	保针座 LEVER ASSY	1
16	50040014	保针座螺钉 BOLT	1
17	50070013	保针座垫圈 WASHER	1
18	50070014	内保针螺钉 SCREW	1
19	50070015	后保针 NEEDLE (REAR)	1
20	50070016	前保针 NEEDLE (FRONT)	1
21	50070017	外保针螺钉 SCREW	1
22	50070018	保针轴左套 BUSHING (LEFT)	1
23	50070019	保针轴右套 BUSHING (RIGHT)	1
24	50042002	O型圈 O RING	1

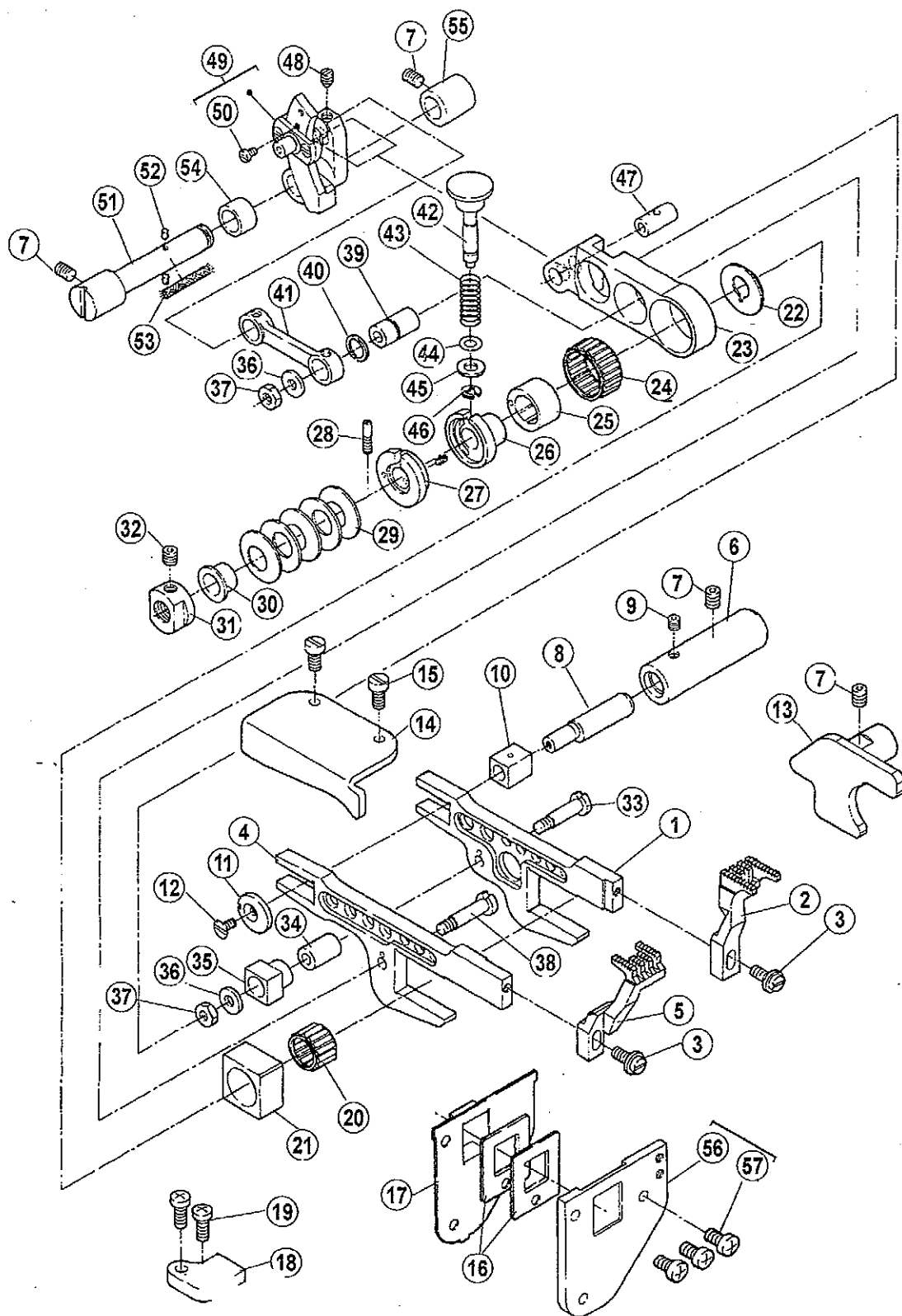
八、弯针机构 LOOPER DRIVE MECHANISM



八、弯针机构 LOOPER DRIVE MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50080001	弯针 LOOPER	1
2	50080002	弯针曲柄 LOOPER HOLDER ASSY	1
3	50080003	弯针螺钉 SCREW	1
4	50050012	弯针曲柄螺钉 BOLT	1
5	50070013	止推垫片 WASHER	1
6	50080004	弯针曲柄调节螺钉 SCREW	1
7	50080005	弯针轴防油圈 OIL SEAL	1
8	50080006	弯针轴 SHAFT	1
9	50080007	偏心凸轮 ECCENTRIC ASSY	1
10	50070001	凸轮螺钉 SCREW	3
11	50081000	弯针连杆组件 CONNECTION ASSY	1
12	50020004	连杆螺钉 SCREW	2
13	50080008	下轴平衡块 BALANCE WEIGHT	1
14	50080009	下轴平衡块螺钉 SCREW	2
15	50080010	弯针调节摆杆 CRANK	1
16	50080011	弯针调节柱 SCREW	1
17	50080012	弯针调节柱垫圈 WASHER	1
18	50080013	螺母 NUT	1
19	50080014	弯针防止挡接头 BLOCK PIN	1
20	50080015	弯针调节柱左垫圈 WASHER	1
21	50080016	偏心紧圈 COLLAR	1
22	50070004	紧圈螺钉 SCREW	1
23	50080017	调节柱螺母 NUT	1
24	50080018	弯针调节摆轴 SHAFT	1
25	50070010	摆轴开口档圈 RING	1
26	50070009	弯针调节摆杆垫圈 WASHER	1

九、送布机构 FEED MECHANISM



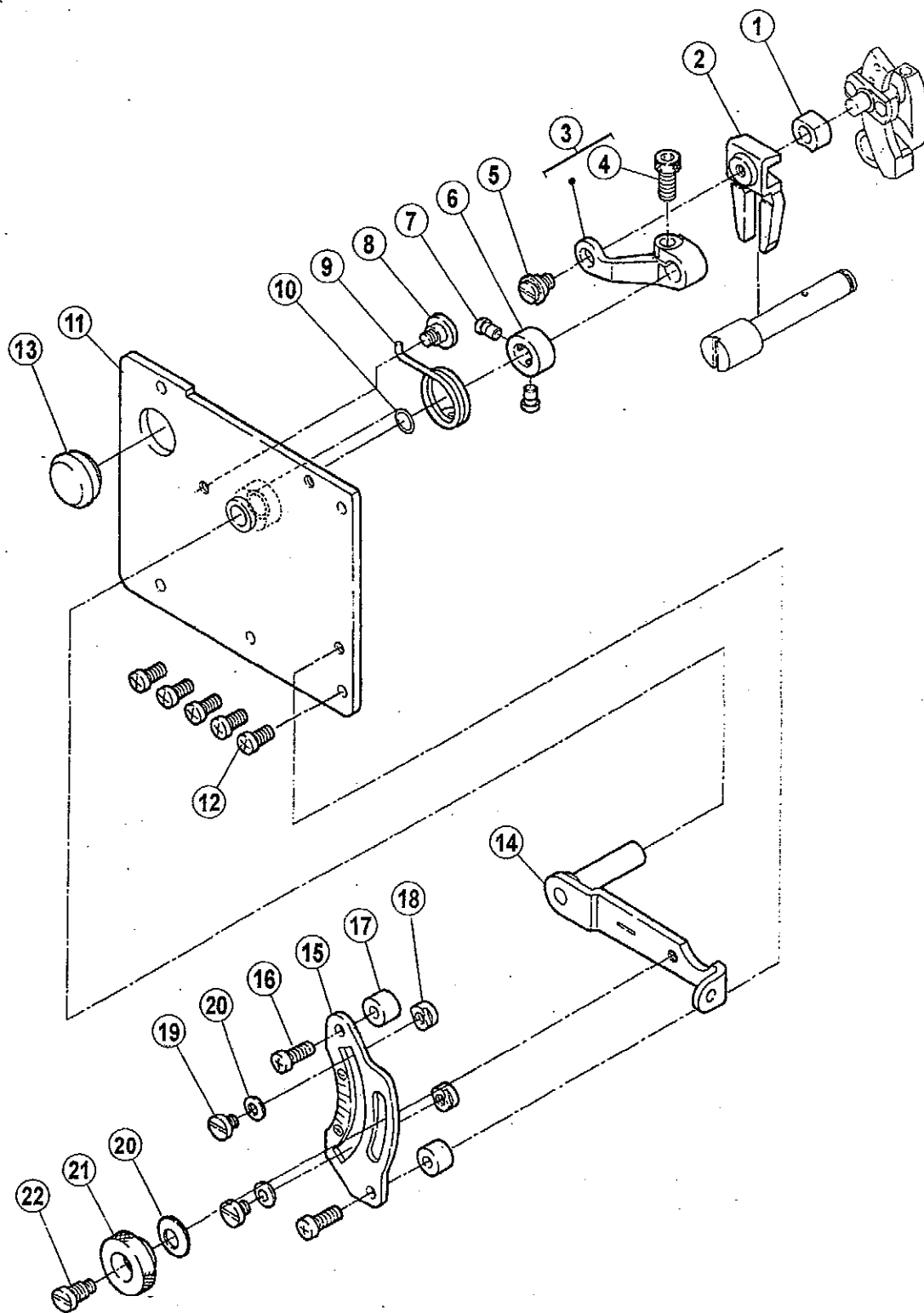
九、送布机构 FEED MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	50090001	送布牙架	1
2	50090002	主送布牙	1
3	50090003	牙架螺钉	2
4	50090004	差动牙架	1
5	50090005	差动送布牙	1
6	50090006	偏心轴套	1
7	50070001	右限位板螺钉	4
8	50090007	牙架偏心销	1
9	50090008	偏心轴套螺钉	1
10	50090009	牙架后滑块	1
11	50090010	偏心垫圈	1
12	50090011	偏心轴螺钉	1
13	50090012	牙架右限位板	1
14	50090013	牙架上限位板	1
15	50090014	限位板螺钉	2
16	50090015	胶垫片	2
17	50090016	垫板	1
18	50090017	左限位板	1
19	50020029	左限位板螺钉	2
20	50090018	滚针轴承	1
21	50090019	牙架前滑块	1
22	50090020	送布连杆垫圈	1
23	50090021	送布连杆	1
24	50090022	滚针轴承	1
25	50090023	凸轮	1
26	50090024	送布调节凸轮	1
27	50090025	针距调套	1
28	50090026	销螺钉	1
29	50090027	碟型弹簧圈	5
30	50090028	台阶套	1
31	50090029	凸轮紧固螺母	1
32	50050007	台阶套紧定螺钉	1
33	50090030	送布滑块连接螺钉	1
34	50090031	送布滑块套	1
35	50090032	送布滑块	1
36	50090033	垫片	2
37	50090034	螺母	2
38	50090035	连接螺钉	1
39	50090036	送布连杆销套	1
40	50090037	开口挡圈	1
41	50090038	差动送布连杆	1
42	50090039	针距按钮	1

九、送布机构 FEED MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
43	50090040	针距按钮簧 SPRING	1
44	50090041	针距按钮O型圈 O RING	1
45	50050011	针距按钮垫圈 WASHER	2
46	50090042	轴用开口挡 圈 RING	1
47	50090043	送布连杆销 RIN	1
48	50090044	差动器紧定螺钉 SCREW	1
49	50091000	差动器组件 CRANK	1
50	50070017	差动器螺钉 SCREW	1
51	50090045	差动器轴 SHAFT	1
52	50090046	差动轴油线 FELT	2
53	50090047	油线 OIL WICK	1
54	50090048	差动器隔套 SPACER	1
55	50090049	差动器轴套 BUSHING	1
56	50090050	弯针盖 BRACKET	1
57	50020011	螺钉 SCREW	3

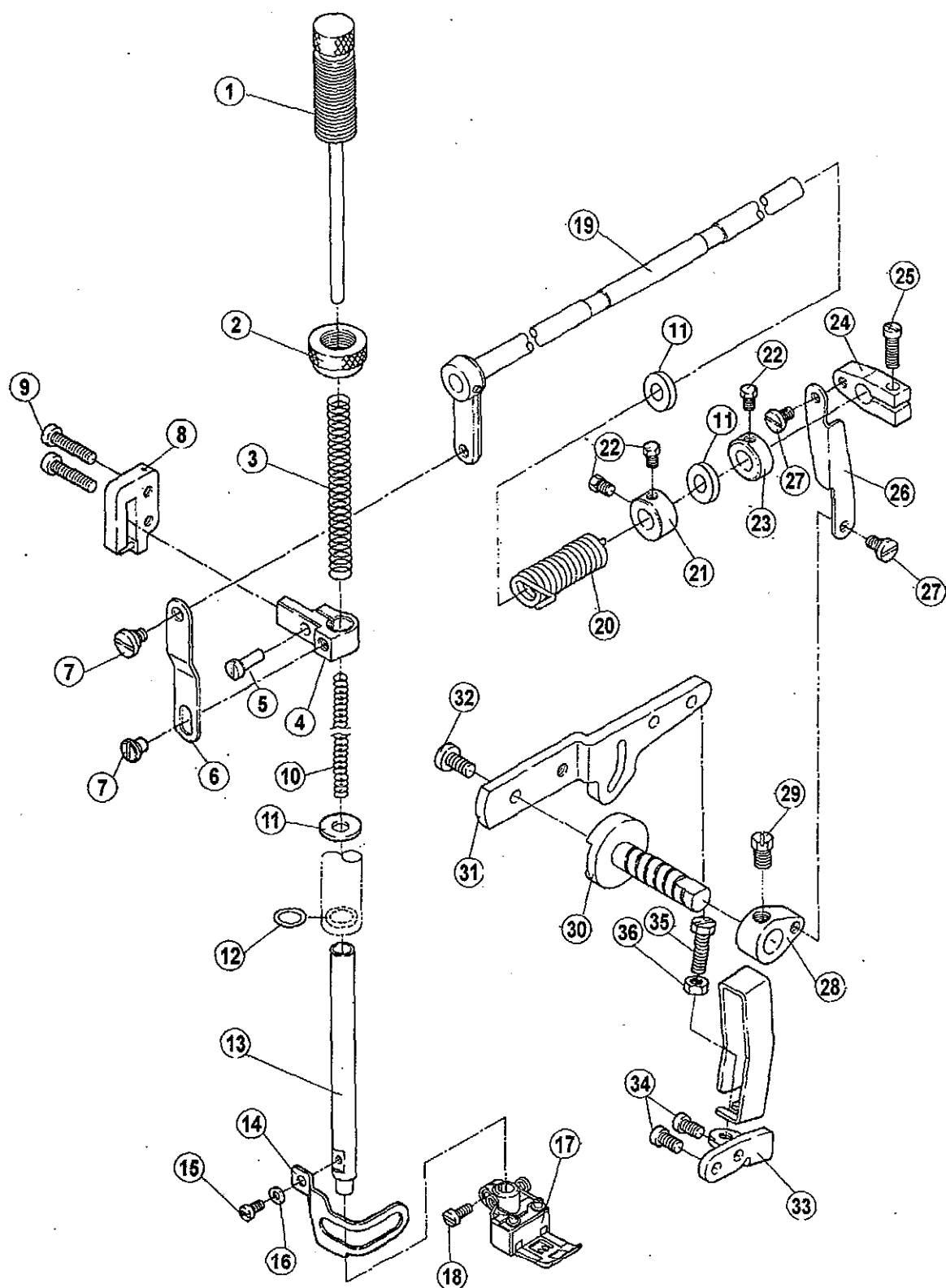
十、差动调节机构 DIFFERENTIAL FEED MECHANISM



十、差动调节机构 DIFFERENTIAL FEED MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500A0001	滑块 BLOCK	1
2	500A0002	差动调节吊板 GUIDE/BLOCK	1
3	500A0003	差动调节曲柄 LEVER	1
4	500A0004	差动调节曲柄螺钉 BOLT	1
5	500A0005	差动调节吊板螺钉 SCREW	1
6	500A0006	差动扳手紧圈 COLLAR	1
7	500A0007	差动扳手紧圈螺钉 SCREW	2
8	50020027	差动板螺钉 SCREW	1
9	500A0008	差动调节复位弹簧 SPRING	1
10	500A0009	差动扳手O型密封圈 O RING	1
11	500A1000	主板组件 BRACKET	1
12	50020011	差动板衬套螺钉 SCREW	5
13	500A0010	闷头 PLUG	1
14	500A0011	差动扳手 LEVER ASSY	1
15	500A0012	差动刻度板 SCALE PLATE	1
16	50020004	刻度板螺钉 SCREW	2
17	500A0013	刻度板隔套 SPACER	2
18	500A0014	螺母 STOPPER	2
19	500A0015	刻度板固定螺钉 SCREW	2
20	500A0018	蝶型垫片 WASHER	3
21	500A0016	刻度板螺母 THUMB NUT	1
22	500A0017	刻度板螺钉 SCREW	1

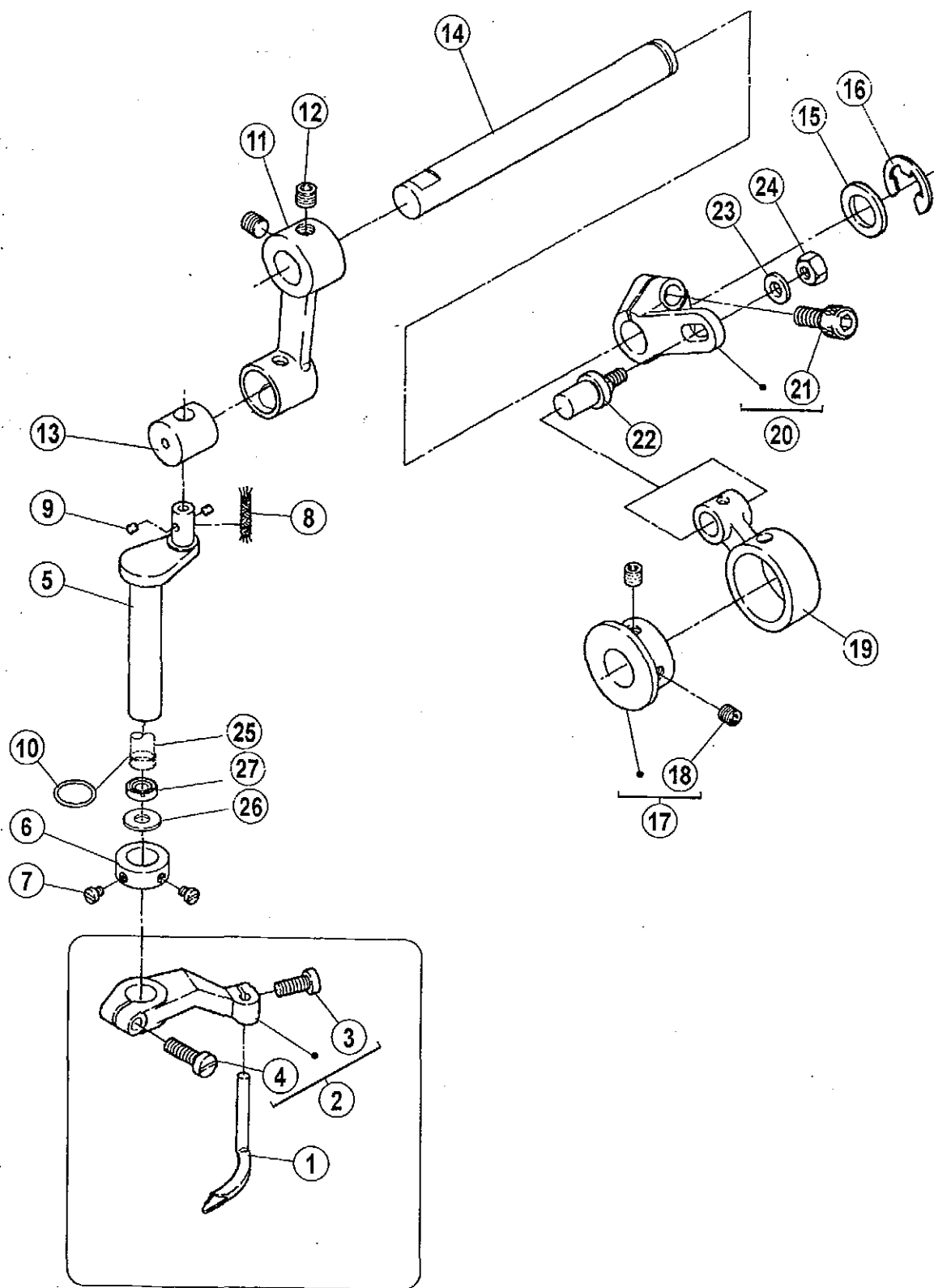
十一、压脚机构 PRESSER FOOT MECHANISM



十一、压脚机构 PRESSER FOOT MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500B0001	调压螺钉	1
2	500B0002	调压螺母	1
3	500B0003	调压外弹簧	1
4	500B0004	压紧杆导架	1
5	500B0005	压紧杆导架螺钉	1
6	500B0006	抬压脚吊杆	1
7	500B0007	抬压吊板螺钉	2
8	500B0008	压杆导架座	1
9	500B0009	压杆导架座螺钉	2
10	500B0010	调压内弹簧	1
11	35.4-30	压紧杆防油罩	3
12	500B0012	压紧杆套O型圈	1
13	500B0013	压紧杆	1
14	500B0014	压紧防护罩	1
15	500B0015	压紧防护罩螺钉	1
16	500B0016	防护罩垫圈	1
17	500B1000	压脚组件	1
18	500B0017	压脚螺钉	1
19	500B2000	抬压脚轴组件	1
20	500B0018	抬压脚弹簧	1
21	500B0019	抬压脚轴紧圈	1
22	50070004	抬压脚轴紧固螺钉	3
23	500B0020	限位紧圈	1
24	500B0021	抬压脚调节曲柄	1
25	500B0022	抬压脚调节曲柄螺钉	1
26	500B0023	抬压脚吊板	1
27	500B0024	抬压脚吊板螺钉	2
28	500B0025	吊杆曲柄	1
29	500B0026	吊板曲柄螺钉	1
30	500B0027	拉杆座	1
31	500B0028	抬压脚拉杆	1
32	500B0029	拉杆座固定螺钉	1
33	500B0030	右限位板	1
34	50020011	右限位板固定螺钉	2
35	500B0031	拉板限位螺钉	1
36	50080013	拉板限位螺母	1

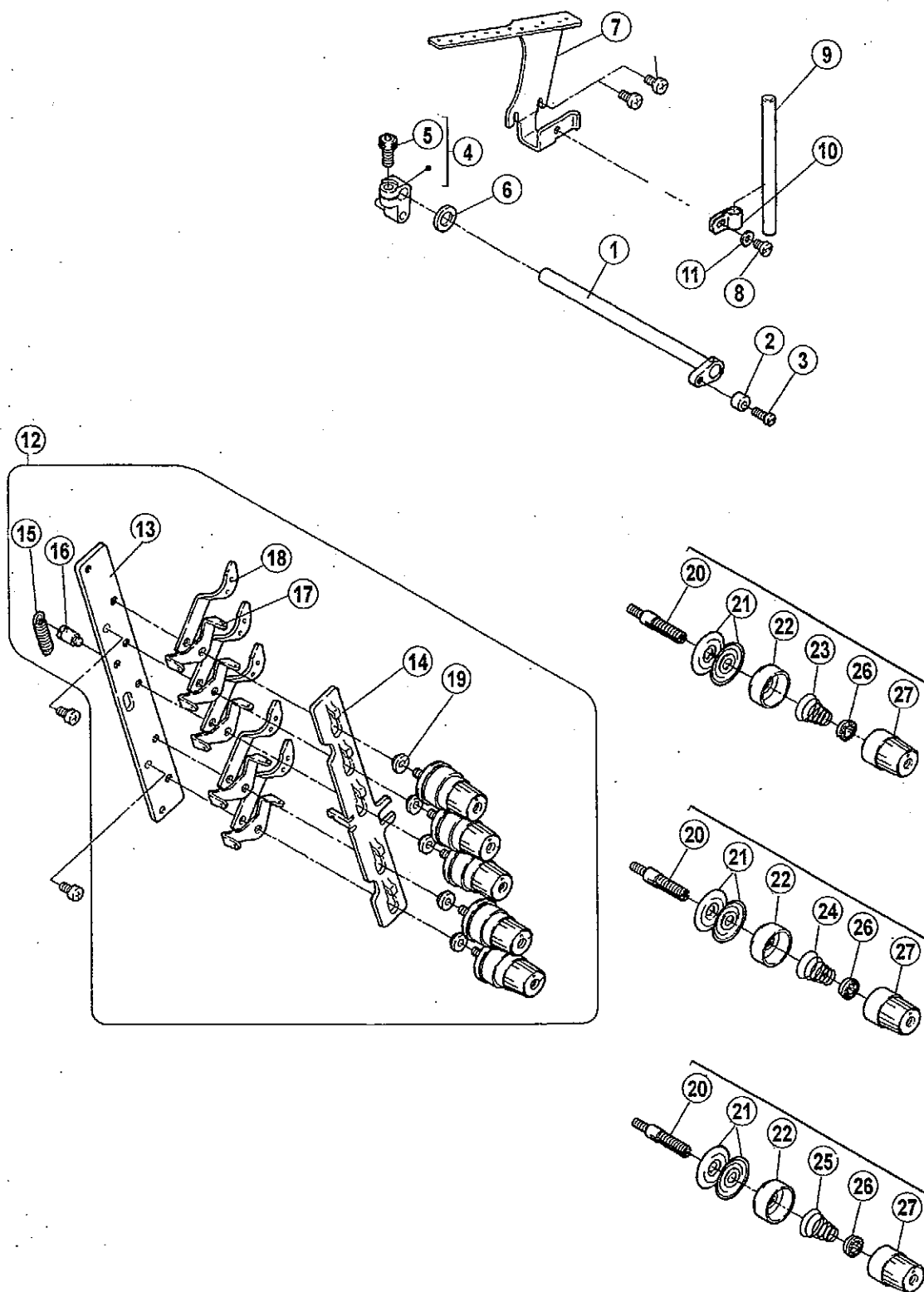
十二、绷针机构 SPREADER MECHANISM



十二、绷针机构 SPREADER MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500C0001	绷针 SPREADER	1
2	500C0002	绷针下摆杆 LEVER/ASSY	1
3	50020029	绷针紧定螺钉 SCREW	1
4	500C0003	绷针下摆杆紧定螺钉 SCREW	1
5	500C0004	绷针曲柄 CRANKSHAFT	1
6	500C0005	绷针紧圈 COLLAR	1
7	500C0006	绷针紧圈紧定螺钉 SCREW	2
8	50070008	油线 OIL WICK	1
9	500C0007	油线 FELT	2
10	500C0008	绷针竖套O型圈 O RING	1
11	500C0009	绷针上摆杆 CRANK	1
12	50040007	绷针上摆杆紧定螺钉 SCREW	2
13	500C0010	绷针连接柱 BLOCK	1
14	500C0011	绷针横轴 SHAFT	1
15	500C0012	绷针横轴垫圈 WASHER	1
16	500C0013	开口挡圈 RING	1
17	500C0014	绷针凸轮 ECCENTRIC ASSY	1
18	50021005	摆杆螺钉 SCREW	2
19	500C0015	绷针连杆 CONNECTION	1
20	500C0016	绷针调节摆杆 CRANK	1
21	50040003	绷针调节摆杆螺钉 BOLT	1
22	500C0017	绷针调节螺钉 SCREW	1
23	500C0018	绷针调节螺钉垫圈 WASHER	1
24	50080013	绷针调节螺钉螺母 NUT	1
25	500C0019	绷针竖套 BUSHING	1
26	500C0021	绷针竖套油封垫圈 WASHER	1
27	50080005	绷针竖套油封 OIL SEAL	1

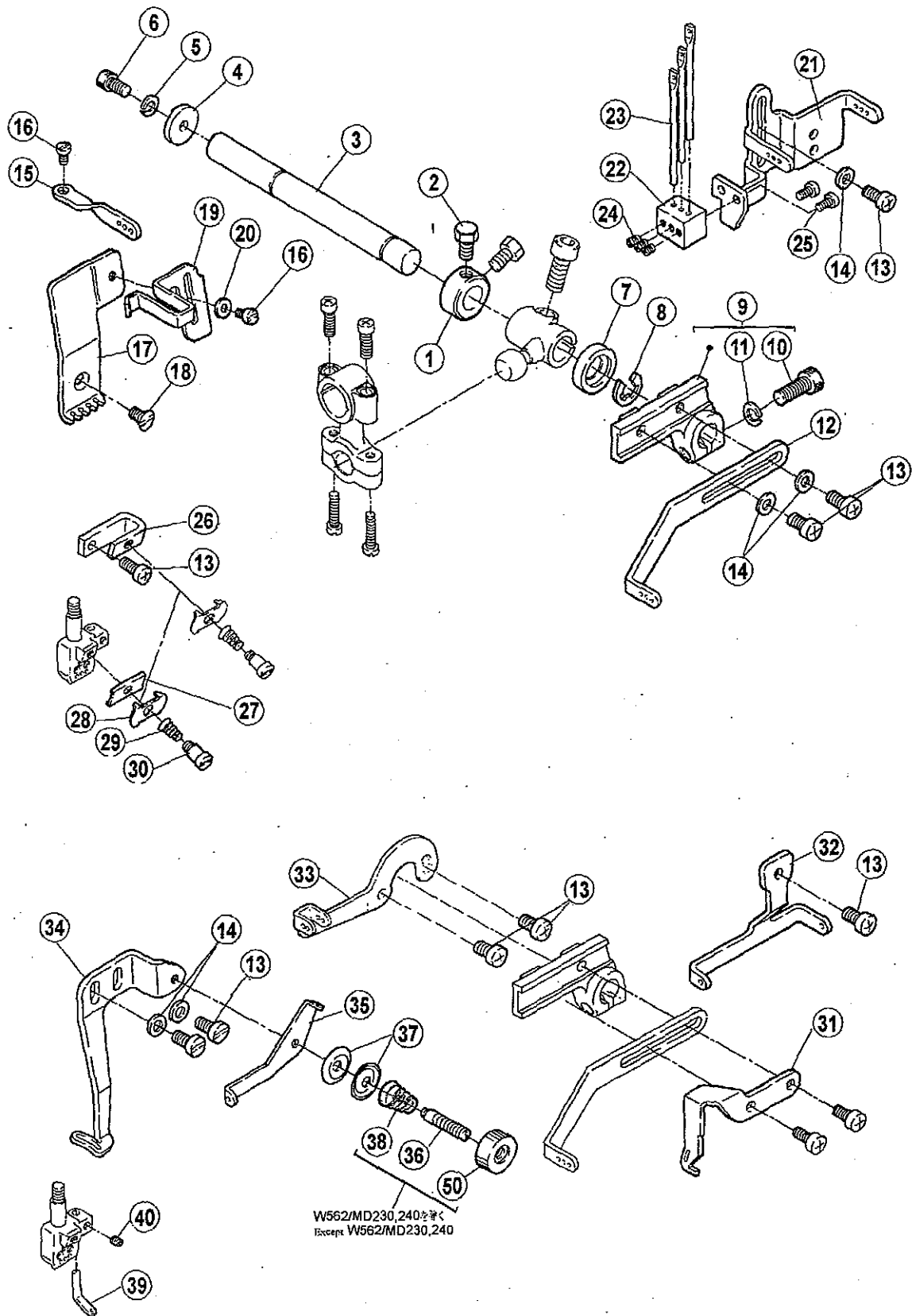
十三、挺线及夹线器 THREAD TENSION MECHANISM



十三、挺线及夹线器 THREAD TENSION MECHANISM

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500D0001	挺线轴 LEVER	1
2	500D0002	隔套 SPACER	1
3	500D0003	隔套螺钉 SCREW	1
4	500D0004	松线曲柄 CRANK	1
5	500A0004	松线曲柄螺钉 SCREW	1
6	500D0005	垫圈 WASHER	1
7	500D0006	过线架 THREAD GUIDE	1
8	50020011	过线架螺钉 SCREW	5
9	500D0007	过线管 PIPE	2
10	500D0008	过线管压板 BRACKET	1
11	50020030	垫圈 WASHER	1
12	500D1000	五线过线板组件 TENSION CONTROL MECHANISM	1
13	500D1001	挺线板 BRACKET	1
14	500D1002	过线座 THREAD RELEASEA	1
15	500D1003	挺线板拉簧 SPRING	1
16	500D1004	挺线板螺钉 SCREW	1
17	500D1005	压线过线板2 THREAD GUIDE	5
18	500D1006	夹线过线板1 THREAD GUIDE	5
19	500D1007	垫圈 SPACER	5
20	500D1008	夹线螺钉 SCREW STUD	5
21	500D1009	夹线板 TENSION DISC	10
22	500D1010	夹线座 SPRING SHIELD	5
23	500D1011	强夹线簧 SPRING(HEAVY)	3
24	500D1012	弱夹线簧 SPRING(MEDIUM)	1
25	500D1013	中夹线簧 SPRING(LIFHT)	1
26	500D1014	夹线防松圈 RATCHET	5
27	500D1015	夹线螺母 KNOB	5

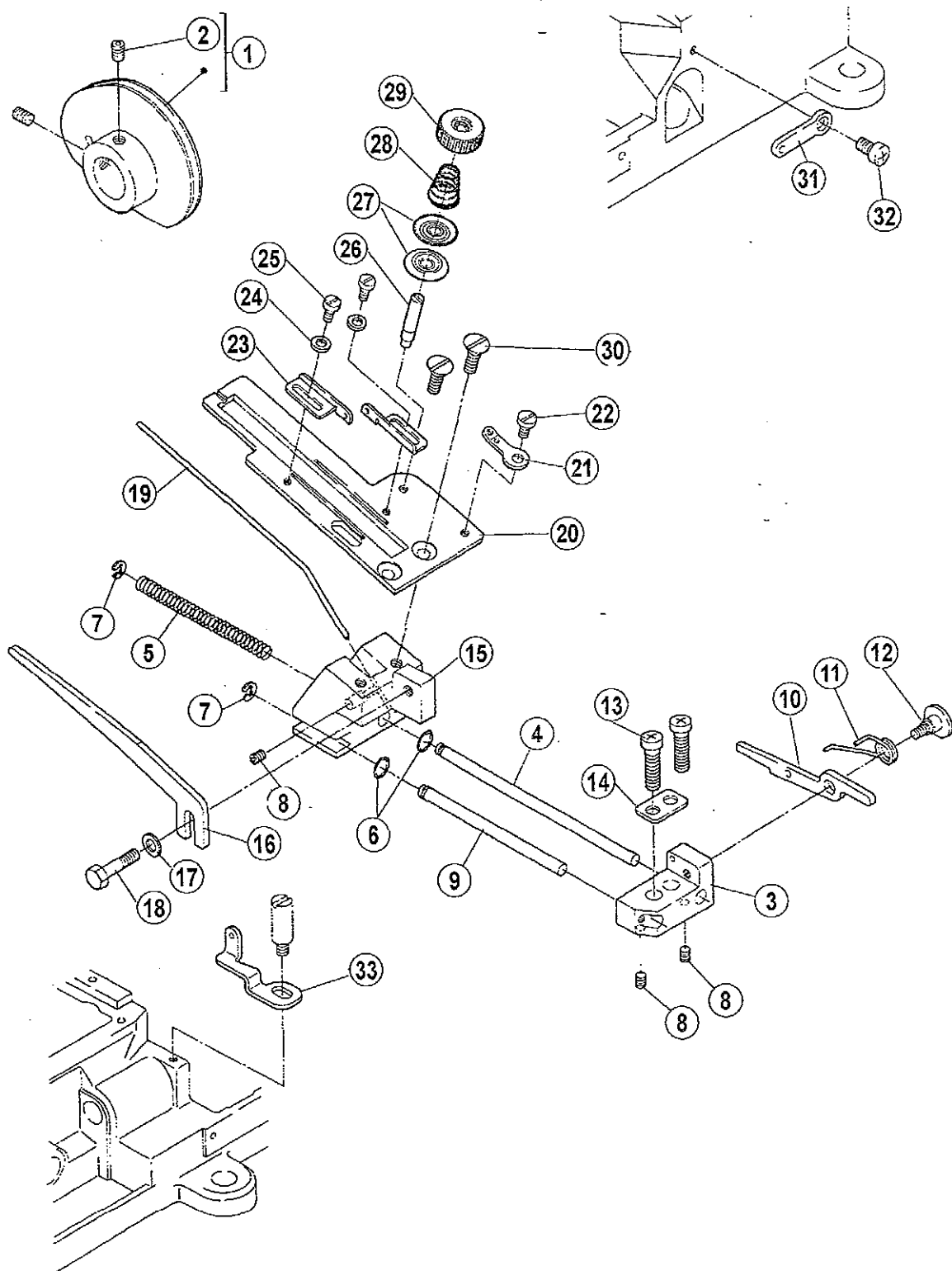
十四、挑线机构 NEEDLE&SPREADER THREAD HANDLING



十四、挑线机构 NEEDLE&SPREADER THREAD HANDLING

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500E0001	挑线杆轴紧圈	1
2	500E0002	挑线杆轴紧圈螺钉	2
3	500E0003	挑线杆轴	1
4	500E0004	垫圈	1
5	500E0005	止退圈	1
6	500E0006	止退圈紧固螺钉	1
7	50080005	密封圈	1
8	50070010	轴用开口挡圈	1
9	500E0007	挑线杆座	1
10	50050012	挑线杆座夹紧螺钉	1
11	50070013	止推垫圈	1
12	500E0008	挑线杆	1
13	50020011	螺钉	9
14	50020030	垫圈	5
15	500E0009	针杆上过线勾	1
16	50020023	螺钉	1
17	500E0010	过线防护罩座	1
18	500E0011	过线防护罩座螺钉	1
19	500E0012	挑线防护罩	1
20	500B0016	垫圈	1
21	500E0013	硅油过线座	1
22	500E0014	过线钉座	1
23	500E0015	过线钉	3
24	50060014	过线钉座紧定螺钉	3
25	500B0015	过线钉座固定螺钉	2
26	500E0016	小过线座	1
27	500E0017	针扎过线板	1
28	500E0018	针扎过线压板	1
29	500E0019	针扎过线簧	1
30	500E0020	针扎过线螺钉	1
31	500E0021	上叉挑线杆	1
32	500E0022	底线过线座	1
33	500E0023	张线杆	1
34	500E0024	绷线过线下过线板	1
35	500E0025	绷线过线板	1
36	500E0026	夹紧螺钉	1
37	500E0027	过线压板	2
38	500E0028	压线簧	1
39	500E0029	针扎右过线板	1
40	50060014	螺钉	1

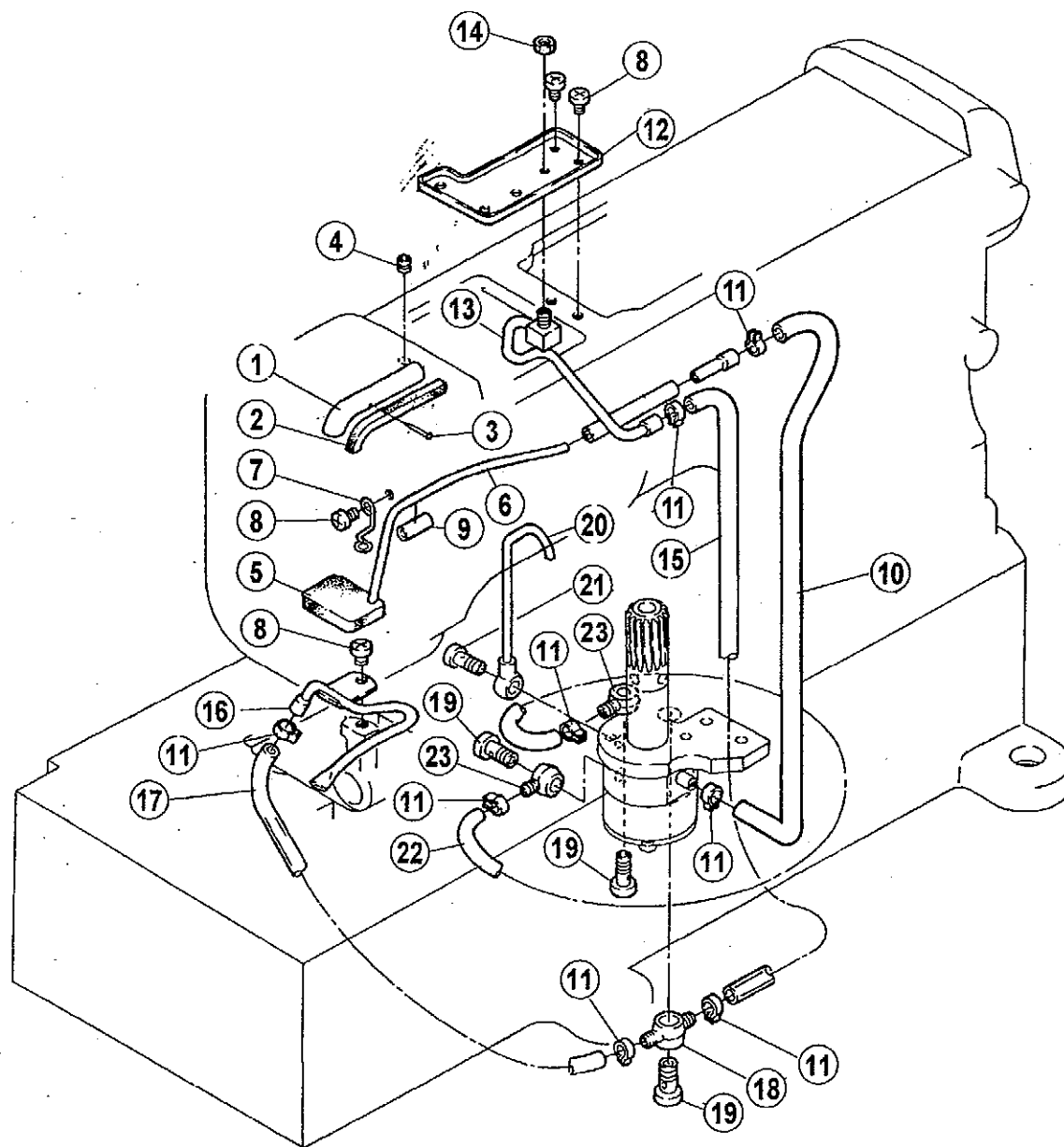
十五、打线凸轮机构 LOOPER THREAD HANDLING



十五、打线凸轮机构 LOOPER THREAD HANDLING

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500F1000	凸轮片组件	1
2	50021005	螺钉	2
3	500F2001	下过线座	1
4	500F2002	下过线导柱	1
5	500F2003	压簧	1
6	500F2004	下过线架O形圈	2
7	50090042	开口挡圈	2
8	50060014	螺钉	3
9	500F2005	下线短导柱	1
10	500F2006	复位扳手	1
11	500F2007	复位扳手簧	1
12	500F2008	复位扳手紧固螺钉	1
13	50020020	下过线垫片螺钉	2
14	500F2009	下过线垫片	1
15	500F2010	下过线架	1
16	500F2011	下过线压板	1
17	50020030	垫圈	1
18	500F2012	外六角螺钉	1
19	500F2013	下过线杆	1
20	500F2014	下过线板	1
21	500F2015	下后过线板	1
22	500F2016	下后过线板螺钉	1
23	500F2017	下过线	2
24	500F2018	下过线垫圈	2
25	50070017	螺钉	2
26	500F2019	压线板螺钉	1
27	500E0027	绷线小压板	2
28	500F2020	绷线簧	1
29	500F2021	绷线压线螺母	1
30	50030001	螺钉	2
31	500F0001	小过线板	1
32	50020019	螺钉	1
33	500F0002	过线板	1

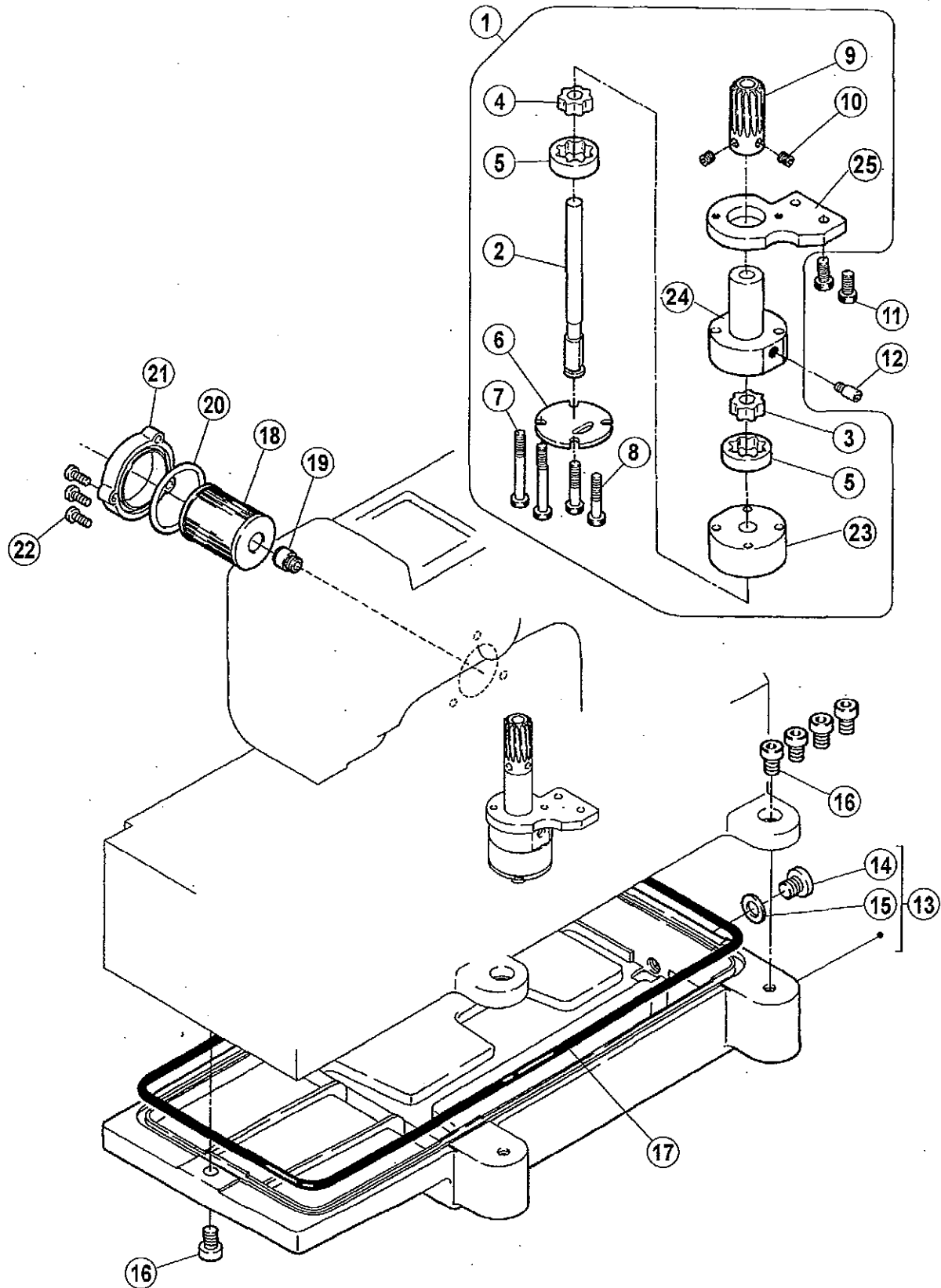
十六、润滑机构(1) LUBRICATION MECHANISM(1)



十六、润滑机构(1) LUBRICATION MECHANISM(1)

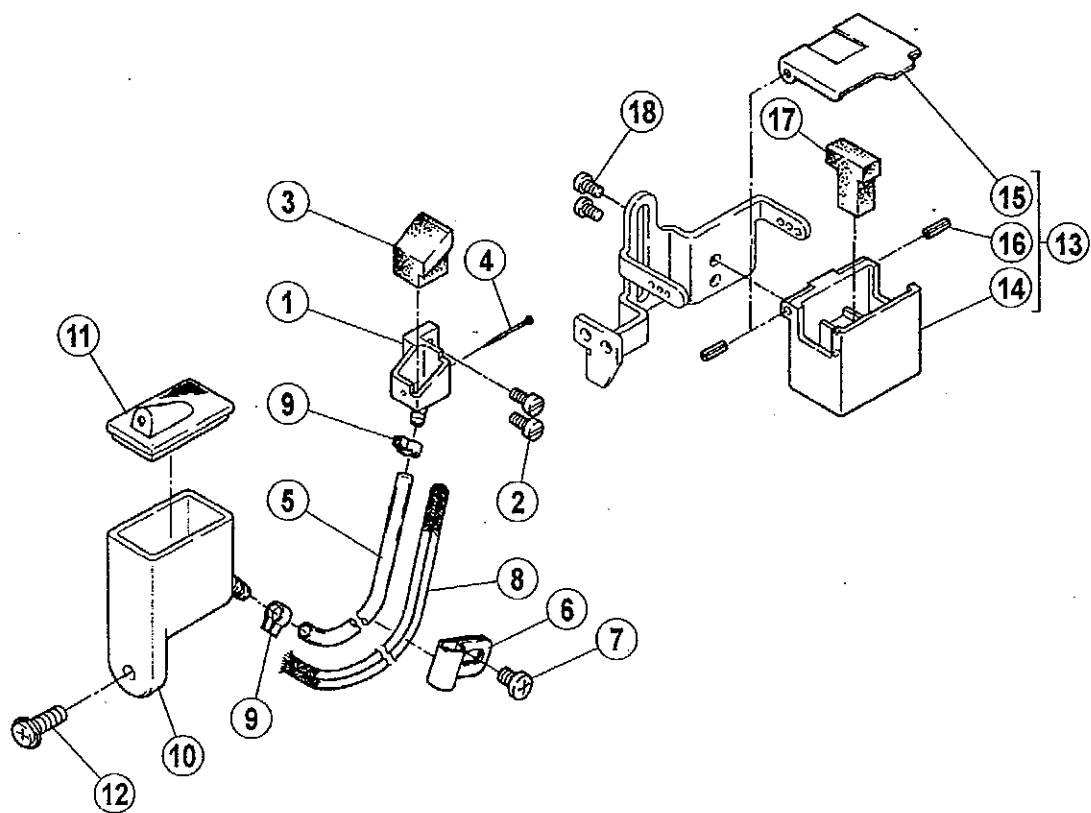
序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500G0001	针杆曲柄过油管	1
2	500G0002	针杆曲柄供油毡	1
3	500G0003	油线钉	1
4	50050007	螺钉	1
5	500G0004	回油毛毡	1
6	500G0005	吸油管	1
7	500G0006	油管定位勾	1
8	50020019	螺钉	4
9	500G0007	吸油管外套	1
10	500G0009	回油软管	1
11	500G0011	夹头	8
12	500G0012	上油盘	1
13	500G0013	上轴供油管	1
14	50030005	螺母	1
15	500G0014	上轴供油软管	1
16	500G0015	下油管组件	1
17	500G0016	下轴供油软管	1
18	500G0017	双通管接头	1
19	500G0018	螺钉双通油接头	3
20	500G0019	蜗轮供油管组件	1
21	500G0020	螺钉小双通油接头	1
22	500G0021	滤油器进油管	1
23	500G0022	单通管接头	2

十七、润滑机构(2) LUBRICATION MECHANISM(2)



十七、润滑机构(2) LUBRICATION MECHANISM(2)

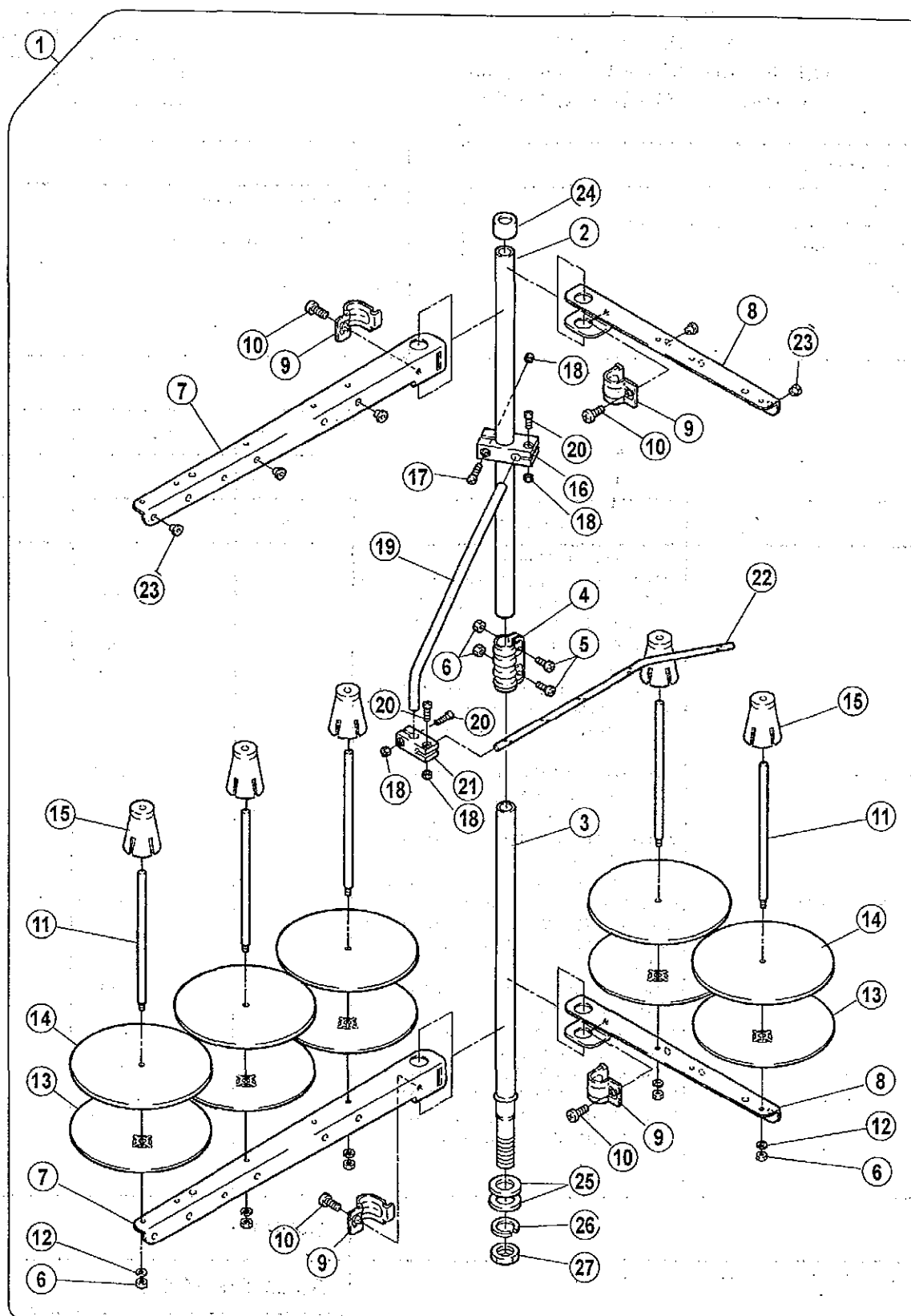
序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500H1000	油泵组件 OIL PUMP ASSY	1
2	500H1002	油泵轴 SHAFT	1
3	500H1003	下齿轮 ROTOR	1
4	500H1004	上齿轮 ROTOR	1
5	500H1005	内齿轮 ROTOR	2
6	500H1006	底板 COVER	1
7	500H1007	长螺钉 SCREW	2
8	500H1008	底板固定螺钉 SCREW	2
9	500H1009	油泵蜗轮 WORM WHEEL	1
10	50021005	油泵蜗轮螺钉 SCREW	2
11	500A0004	固定板螺钉 BOLT	2
12	500H0001	油泵回油管接头 JOINT SCREW	1
13	500H0002	油盘 OIL RESERVOIR	1
14	500H0003	油盘螺钉 SCREW	1
15	500H0004	密封垫 WASHER	1
16	500H0005	油盘下螺钉 BOLT	5
17	500H0006	油盘防油垫 O RING	1
18	500H0007	滤油器 FILTER ELEMENT	1
19	500H0008	滤油器螺钉 BRACKET/FILTER ELEMENT	1
20	500H0009	滤油器O形圈 O RING	1
21	500H0010	滤油器盖 COVER	1
22	50020004	滤油器盖固定螺钉 SCREW	3
23	500H1010	油泵壳体 OIL PUMP COVER	1
24	500H1011	上油泵体 UPPER OIL PUMP	1
25	500H1001	固定板 SETTING BOARD	1



十八、硅油盒结构 HR DEVICE

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500I0001	硅油盒壳体	1
2	500B0015	螺钉	2
3	500I0002	硅油盒油毡	1
4	500G0003	大头针	1
5	500I0003	硅油输油管	1
6	500I0004	油线压板	1
7	500I0010	螺钉	1
8	50090047	硅油盒供油线	1
9	500G0011	弹簧管夹头	2
10	500I0006	硅油驻盒	1
11	500I0007	硅油驻盒盖	1
12	50020004	硅油驻盒固定螺钉	1
13	500I1000	上硅油盒组件	1
14	500I1001	上硅油盒	1
15	500I1002	上硅油盒盖	1
16	500I1003	开口弹簧销	2
17	500I0009	上硅油毡	1
18	50020023	硅油盒架螺钉	2

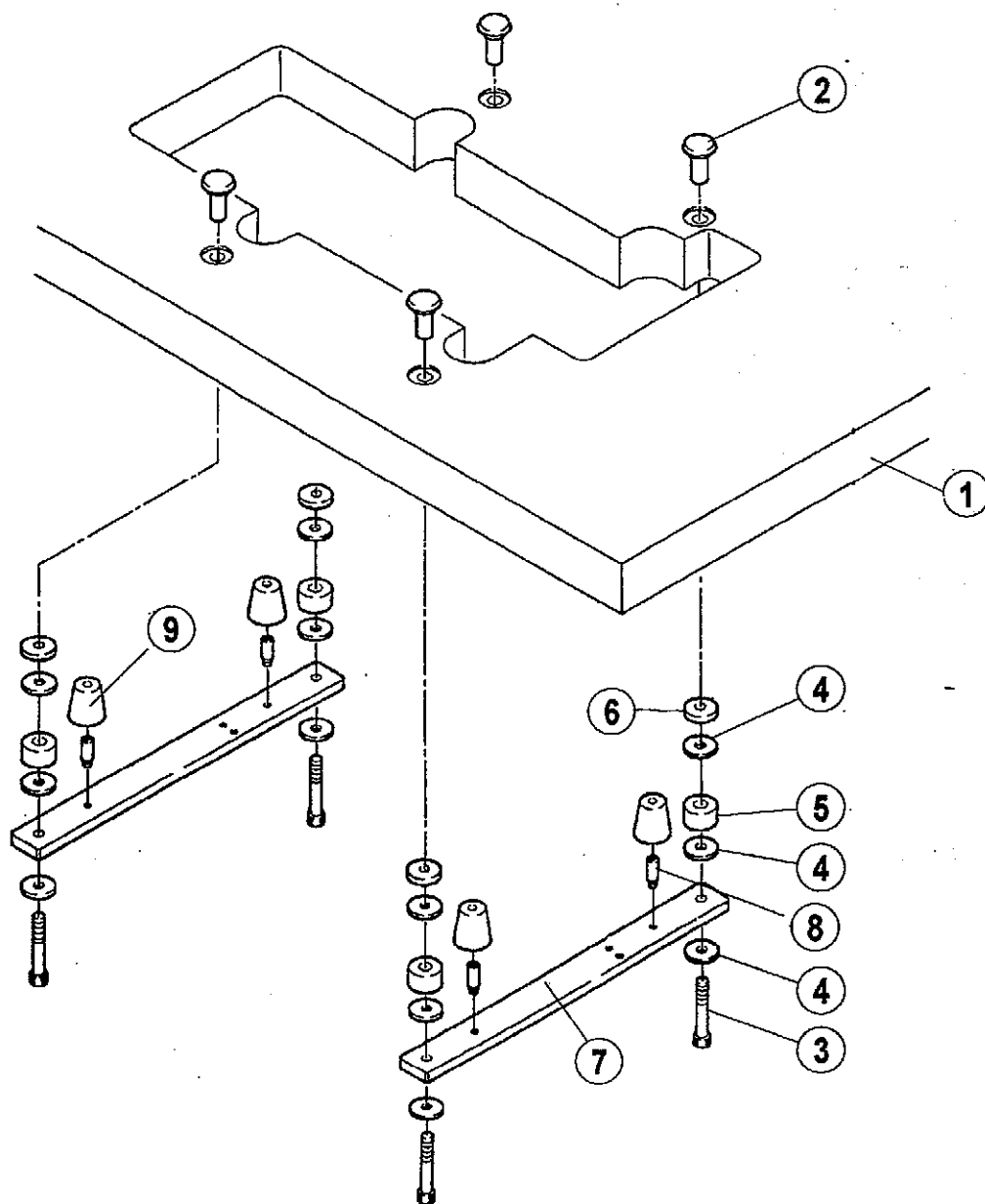
十九、线架 THREAD STAND



十九、线架 THREAD STAND

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500J0000	过线架组件	1
2	500J0001	上过线管	1
3	500J0002	下过线管	1
4	500J0003	过线夹	1
5	500J0004	螺钉	2
6	500J0005	螺母	7
7	500J0006	上过线架	2
8	500J0007	前过线架	2
9	500J0008	夹子	4
10	500J0009	螺钉	4
11	500J0010	线团固定柱	5
12	500J0011	弹簧垫圈	5
13	500J0012	线盘	5
14	500J0013	线盘垫	5
15	500J0014	定心座	5
16	500J0015	中过线板夹紧块	1
17	500J0016	螺钉	1
18	500J0017	螺母	4
19	500J0018	中过线接杆	1
20	500J0019	螺钉	3
21	500J0020	中过线接头	1
22	500J0021	中过线杆	1
23	500J0022	过线管	5
24	500J0023	上立柱橡皮封	1
25	500J0024	垫圈	2
26	500J0025	弹簧垫圈	1
27	500J0026	螺母	1

二十、台板及附件 PARTS FOR SEMI-SUBMERGED INSTALLATION



二十、台板及附件 PARTS FOR SEMI-SUBMERGED INSTALLATION

序号 REF.	件 号 PART NO	名 称 DESCRIPTION	数量 QTY
1	500K1000	台板	1付
2	500K0001	台板螺钉 SCREW	4
3	500K0002	长螺钉 BOLT	4
4	500K0003	垫片 WASHER	12
5	500K0004	大胶垫 SPACER	4
6	500K0005	小胶垫 SPACER	4
7	500K0006	承重板 REST BOARD	2
8	500K0007	承重板螺钉 SCREW	4
9	500K0008	承重板胶垫 RUBBER CUSHION	4

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