

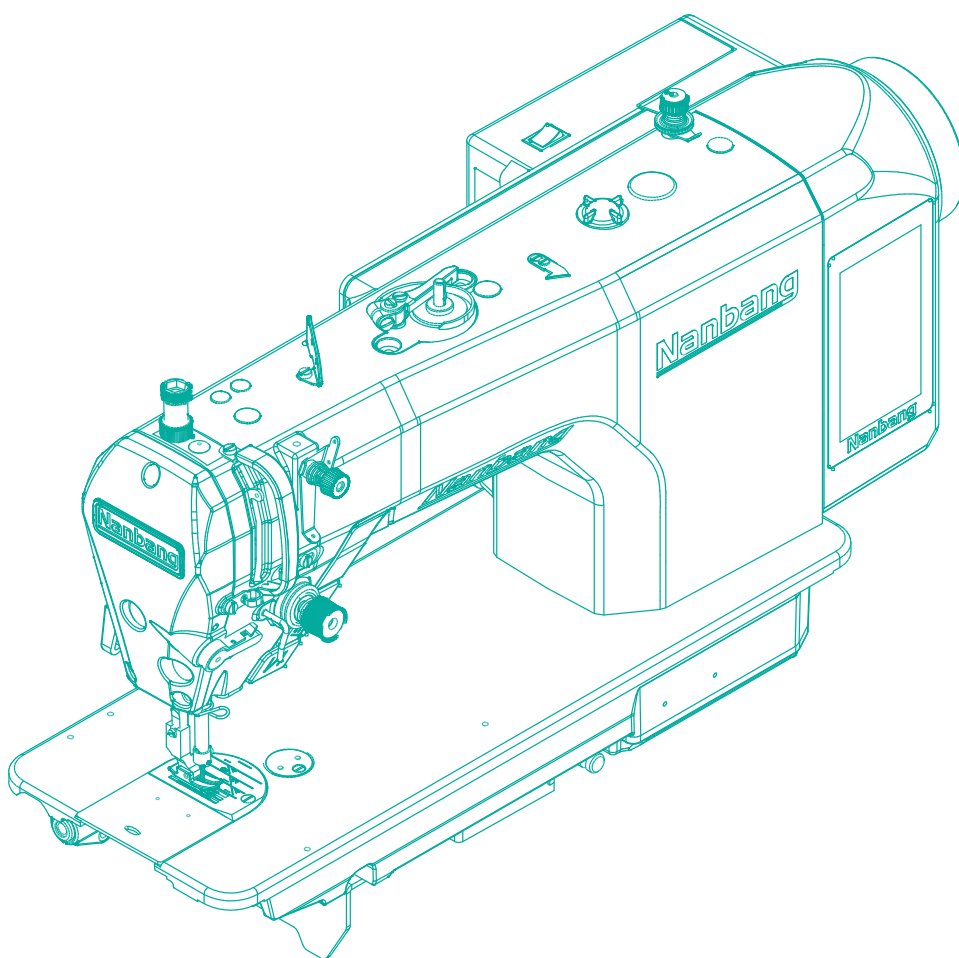
D7LW

高速电脑平缝步进加长一体机系列

High Speed Computer Ized Lockstitch Lengthen Step Aio Series

产品说明书

PRODUCT MANUAL



微信扫一扫
了解更多优质产品
www.nanbang.me

Nanbang

南邦缝纫机

IMPORTANT SAFETY INSTRUCTIONS

Putting sewing systems into operation is prohibited until it has been ascertained that the sewing systems in which these sewing machines will be built into, have conformed with the safety regulations in your country. Technical service for those sewing systems is also prohibited.

1. Observe the basic safety measures, including, but not limited to the following ones, whenever you use the machine.
2. Read all the instructions, including but not limited to this Instruction Manual before you use the machine. In addition, keep this Instruction Manual so that you may read it at anytime when necessary.
3. Use the machine after it has been ascertained that it conforms with safety rules/standards valid in your Country
4. All safety devices must be in position when the machine is ready for work or in operation. The operation without the specified safety devices is not allowed.
5. This machine shall be operated by appropriately-trained operators/
6. For your personal protection, we recommend that you wear safety glasses.
7. For the following, turn off the power switch or disconnect the power plug of the machine from the receptacle.
 - 7-1 For threading needle(s), looper, spreader etc. And replacing bobbin
 - 7-2 For replacing part(s) of needle, presser foot, throat plate, looper, spreader, feed dog, needle guard, folder, cloth guide etc.
 - 7-3 For repair work.
 - 7-4 When leaving the working place or when the working place is unattended.
 - 7-5 When using clutch motors without applying brake, it has to be waited until the motor stopped totally
8. If you should allow oil, grease, etc. used with the machine and devices to come in contact with you eyes or skin or swallow any of such liquid by mistake, immediately wash the contacted areas and consult a medical doctor.

9. Tampering with the live parts and devices, regardless of whether the machine is powered is prohibited.
10. Repair, remodeling and adjustment works must only be done by appropriately trained technicians or specially skilled personnel.
11. General maintenance and inspection works have to be done by appropriately trained personnel.
12. Repair and maintenance works of electrical components shall be conducted by qualified electric technicians or under the audit and guidance of specially skilled personnel.
Whenever you find a failure of any of electrical components, immediately stop the machine.
13. Before making repair and maintenance works on the machine equipped with pneumatic parts such as an air cylinder, the air compressor has to be detached from the machine and the compressed air supply has to be cut off. Existing residual air pressure after disconnecting the air compressor from the machine has to be expelled. Exceptions to this are only adjustments and performance checks done by appropriately trained technicians or specially skilled personnel.
14. Periodically clean the machine throughout the period of use.

15. Grounding the machine is always necessary for the normal operation of the machine. The machine has to be operated in an environment that is free from strong noise sources such as high-frequency welder.
16. An appropriate power plug has to be attached to the machine by electric technicians. Power plug has to be connected to a grounded receptacle.

17. The machine is only allowed to be used for the purpose intended. Other uses are not allowed.
18. Remodel or modify the machine in accordance with the safety rules/standards while taking all the effective safety measures

19. Warning hints are marked with the two shown symbols.



Danger of injury to operator or service staff



Items requiring special attention

重要安全事项

此缝纫机在有的国家(设置场所)由于该国的安全规定而被禁止使用。
同时,技术服务也同样被禁止。

1. 使用此缝纫机时,必须遵守包括如下项目的基本安全措施。
2. 使用此缝纫机之前,请阅读本使用说明书在内的所有指示文件。
同时应将此使用说明书妥善保管,以便能够随时查阅。
3. 此缝纫机应与贵国的有关安全规定一起使用。
4. 使用此缝纫机和缝纫机动作中,所有的安全装置应安装到规定的位置。
没有安装规定的安全装置的缝纫机禁止使用。
5. 此缝纫机应由接受过培训的操作人员来操作。
6. 使用缝纫机时,建议戴安全防护眼镜。
7. 发生下列情况时,应立即关掉电源开关,或拔下电源机插头。
 - 7-1 机针、弯针、分离器等穿线和更换旋梭时。
 - 7-2 更换机针、腿脚、针板、弯针、分离器、送布牙、护针器、支架、布导向器等时。
 - 7-3 修理时。
 - 7-4 工作场所无人了或离开工作场所时。
 - 7-5 使用离合马达时,请等待马达完全停止之后再行。
8. 缝纫机以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时,或被误饮时,应立即清洗有关部位并去医院医疗。

9. 禁止用手触摸打开了缝纫机开关通电的零件或装置。
10. 有关缝纫机的修理、改造、调整应由受过专门训练的技术人员或专家来进行。
11. 一般的维修保养应由受过训练的人员来进行。
12. 有关缝纫机的电气方面的修理、维修应由有资格的电气技术人员或专家的监督和指导下进行。
13. 修理、保养有关空气、气缸等压缩空气的零件时,应切断空气压缩机供气源后再进行。
如有残留压缩空气时,应放掉压缩空气。
但,受过相当训练的技术人员或专家进行有关调整或确认动作时除外。
14. 缝纫机的使用期间应定期进行清扫。

15. 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音源影响的环境下使用。
16. 电源插头应用具有电气专门知识的人来安装。电源插头必须连接到接地插座上。

17. 缝纫机指定用途以外不能使用。
18. 对缝纫机的改造、变更应符合安全规格,并采取有效的安全措施。
另外,对于有关改造和变更,公司概不负责。

19. 本使用说明书上采用以下2个警告符号。



有损伤操作人员、维修人员的危险。



安全上需要特别加以注意的事项。

FOR SAFE OPERATION

	1. To avoid electrical shock hazards, neither open the cover of the electrical box for the motor nor touch the components mounted inside the electrical box.
	1. To avoid personal injury, never operate the machine with any of the belt cover, Finger guard or safety devices removed. 2. To prevent possible personal injuries caused by being caught in the machine. Keep your fingers, head and clothes away from the handwheel, V belt and the motor while the machine is operation. In addition, place nothing around them. 3. To avoid personal injury, never put your hand under the needle when you turn "ON" the power switch or operate the machine. 4. To avoid personal injury, never put your fingers into the thread take-up cover while the machine is in operation. 5. The hook rotates at a high speed while the machine is in operation. To prevent possible injury to hands, be sure to keep your hands away from the vicinity of the hook during operation. In addition, be sure to turn OFF the power to the machine when replacing the bobbin. 6. To avoid possible personal injuries, be careful not to allow your fingers in the machine when tilting/raising the machine head. 7. To avoid possible personal injuries, be careful not to allow your fingers in the machine when tilting/raising the machine head or removing the belt cover and the V belt. 8. If your machine is equipped with a servo-motor, the motor does not produce noise while the machine is at rest. To avoid possible accidents due to abrupt start of the machine, be sure to turn OFF the power to the machine. 9. To avoid electrical shock hazards, never operate the sewing machine with the ground wire for the power supply removed. 10. To prevent possible accidents because of electric shock or damaged electrical component(s), turn OFF the power switch in prior to the connection/disconnection of the power plug.

BEFORE OPERATION



CAUTION:

To avoid malfunction and damage of the machine, confirm the following.

Before you put the machine into operation for the first time after the set-up, clean it thoroughly.

Remove all dust gathering during transportation and oil it well.

Confirm that the power plug has been properly connected to the power supply.

Never use the machine in the state where the voltage type is different from the designated one.

The direction of rotation of the sewing machine is counterclockwise as observed from the handwheel side. Be careful not to rotate it in reverse direction

注意: 地线正确接地对电子平缝机非常重要! ▲ 机器必须地线,以防触电!

运转缝纫机前的注意事项

 危险	1. 为了防止发生触电事故，请不要在打开电源的状态下，打开电气箱盖以及触摸电气箱内的零件。
 注意	1. 为了防止人身事故的发生，请不要在卸下皮带防护罩、手指防护器等安全装置的状态下运转缝纫机。 2. 为了防止被卷入机器的人身事故。缝纫机运转中请不要将手指、头发、衣服靠近皮带轮、V形皮带、马达、也不要东西放到机器上面。 3. 为了防止人身事故的发生，打开电源时以及缝纫机运转中，请不要把手指放到机针附近。 4. 为了防止人身事故的发生，缝纫机运转中请不要把手指放到挑线杆外罩内。 5. 缝纫机操作中，旋梭高速地旋转。为了防止手受到伤害，运转中请绝对不要把手靠近旋梭。 6. 为了防止人身事故的发生，放倒缝纫机或返回原来位置时，要注意不要夹住手。 7. 为了防止突然的起动造成人身事故，放倒缝纫机时，或卸皮带罩和 V 形皮带时，请一定关掉电源。 8. 使用伺服马达时，缝纫机停下马达无声音。为了防止意外的起动造成人身事故，请注意不要忘记关电源。 9. 为了防止触电事故，卸下电源地线的状态，请不要运转缝纫机。 10. 为了防止触电和损坏电气零件，拔电源的插头时，请先关掉机器电源开关。

运转缝纫机前的注意事项

 注意	为了防止机械的错误动作或损伤，请确认如下项目。 ● 最初使用缝纫机之前，请把机器打扫干净。 ● 清除运送中积存的灰尘，并加油。 ● 请确认电压设定是否正确。 ● 请确认电源插头是否正确连接。 ● 电压规格不同时，请绝对不要使用。 ● 缝纫机的转动方向是，站在飞轮看为逆时针方向，请注意不要让缝纫机反向转动。
---	--

CONTENS

1. SPECIFICATIONS.....	1
2. INSTALLATION.....	1
3. ADJUSTING THE HEIGHT OF THE KNEE LIFTER.....	2
4. INSTALLING THE THREAD STAND.....	2
5. LUBRICATION OF MACHINE.....	3
6. ADJUSTING THE AMOUNT OF LIL(OIL SPLASHES) IN THE HOOK.....	4
7. ATTACHING THE NEEDLE.....	5
8. SETTING THE BOBBIN INTO THE BOBBIN CASE.....	6
9. ADJUSTING THE STITCH LENGTH.....	6
10. PRESSER FOOT PRESSURE.....	6
11. HAND LIFTER.....	6
12. ADJUSTING THE HEIGHT OF THE PRESSER BAR.....	7
13. THREADING THE MACHINE HEAD.....	7
14. THREAD TENSION.....	8
15. THREAD TAKE-UP SPRING.....	8
16. ADJUSTING THE THREAD TAKE-UP STROKE.....	9
17. NEEDLE-TO-HOOK RELATIONSHIP.....	9
18. HEIGHT OF THE FEED DOG.....	10
19. TILT OF THE FEED DOG.....	11
20. ADJUSTING THE FEED TIMING.....	11
21. ADJUSTING THE NEEDLE STOP POSITION.....	12
22. COUNTER KNIFE.....	13
23. PEDAL PRESSURE AND PEDAL STROKE.....	14
24. ADJUSTMENT OF THE PEDAL.....	14
25. PEDAL OPERATION.....	15
26. HEADIGHT BUTTON.....	15
27. TUBING INSTALLATION.....	16

目 录

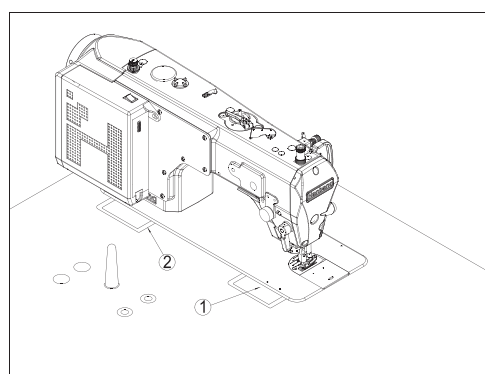
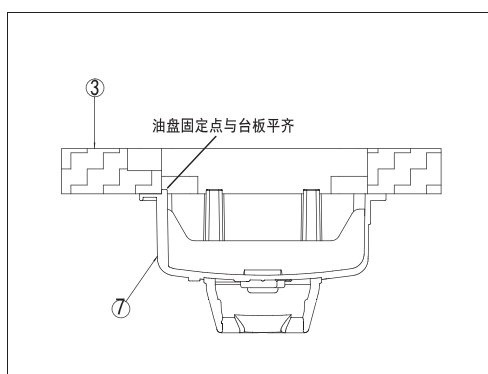
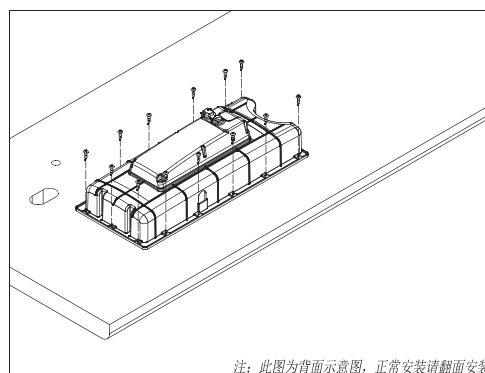
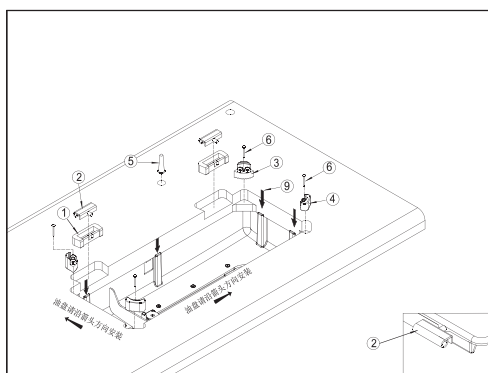
1. 规格.....	1
2. 缝纫机的安装.....	1
3. 膝动提升高度的调整.....	2
4. 线架装置的安装.....	2
5. 机器的润滑.....	3
6. 关于旋梭部油量（迹）调整方法.....	4
7. 机针的安装.....	5
8. 梭心的安装方法.....	6
9. 缝迹长度的调节.....	6
10. 压脚压力的调节.....	6
11. 关于压脚提长.....	6
12. 压脚杆高度的调整.....	7
13. 上线的穿线方法.....	7
14. 线张力器.....	8
15. 挑线弹簧.....	8
16. 挑线杆挑线量的调整.....	9
17. 机针与旋梭的关系.....	9
18. 送布牙的高度.....	10
19. 送布牙的倾度.....	11
20. 送布相位的调节.....	11
21. 机针停止位置的调整.....	12
22. 固定刀.....	13
23. 踏板压力和行程.....	14
24. 踏板的调整.....	14
25. 踏板操作.....	15
26. 触键手动倒缝.....	15
27. 油管安装.....	16

1.SPECIFICATIONS / 规格

	medium-weight model	light-weight model	Heavy-weight model
Application	General fabrics, light-weight and medium-weight materials	General fabrics, light-weight materials	Medium-weight materials, Heavy-weight materials
Sewing speed	Max. 5,000 rpm	Max. 4,000 rpm	Max. 3,500 rpm
Max. Stitch length	4mm		5mm
Needle	DB x 1#9 to #18	DA x 1#9 to #11	DB x 1#20 to #23
Presser foot lift	10 mm (standard) 13mm (Max.)	9mm (Max)	10mm (standard) 13mm (Max.)
Lubricating oil	Defrix Oil No.10		
Noise	Workplace-related noise at sewing speed N=4,500 min ⁻¹ : L _{PA} ≤ 83 dB (A) Noise measurement according to DIN 45635-48-A-1		

	标准型	薄料型	厚料型
用途	一般布料、薄料、中厚料	一般布料、薄料	中厚料、厚料
缝纫速度	最高5,000 rpm	最高4,000 rpm	最高 3,500 rpm
最大针脚长度	4mm		5mm
机针	DB x 1#9-#18	DA x 1#9-#11	DB x 1 #20-#23
压脚高度(膝动提升)	100mm(标准) 13mm(最大)	9mm(最大)	100mm(标准) 13mm(最大)
使用机油	NO.10机油		

2. INSTALLATION / 缝纫机的安装



1. Put the nose connecting hook seat 1 on the corresponding position of the platform, shock-proof pad 4, shock-proof pad 3 on the four corners, and the rivets 6 on the shock-proof pad;
2. Connect the mounting hole of the bottom plate to the connecting hook seat of the nose;
3. Press oil pan 7 against the platform plate in the direction shown by arrow 10. When oil pan alignment point 9 (arrow shown) is aligned with the platform plate and leveled, then use self-tapping screw 8 to align the mounting hole of oil pan.

1. 将机头连接钩座1放在台板相应位置，防震垫4，防震垫3放在四角，柳钉6钉在防震垫上；
2. 机头连接钩部件2连接底板安装孔，在放入机头连接钩座上；
3. 将油盘7沿箭头10所示方向靠平台板，当油盘定位点9（箭头所示）与台板对齐靠平，再用自攻自攻螺钉8对准油盘螺纹安装孔安装。

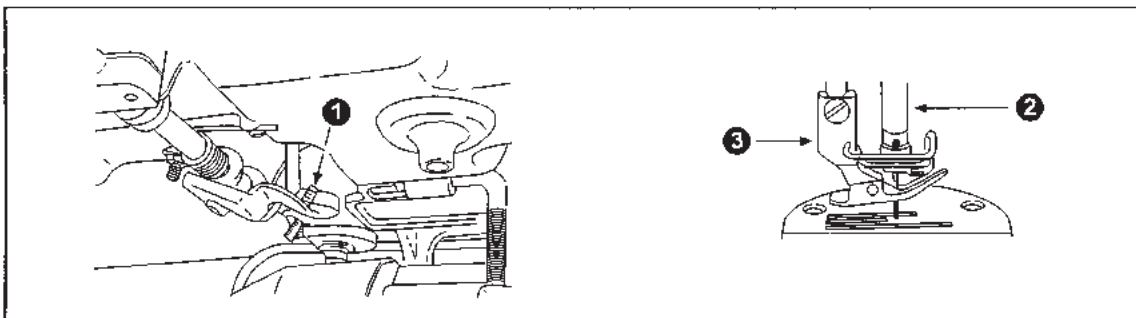
3. ADJUSTING THE HEIGHT OF THE KNEE LIFTER / 膝动提升高度的调整



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

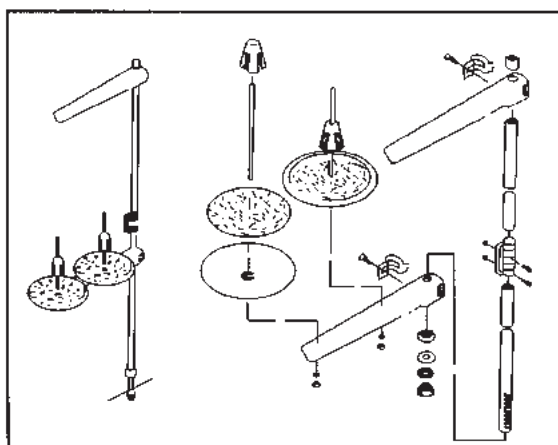
注意：为了防止意外的起动造成的事故，请关掉电源后进行。



- 1) The standard height of the presser foot lifted using the knee lifter is 10 mm.
- 2) You can adjust the presser foot lift up to 13 mm using knee lifter adjust screw ①. (Max. 9 mm for A type)
- 3) When you have adjusted the presser foot lift to over 10 mm, be sure that the bottom end of needle bar ② in its lowest position does not hit presser foot ③.

- 1) 膝动提升的压脚标准高度为 10 mm，
- 2) 调节膝动提升调节螺丝 ① 可以把压脚高度最大调整到 13 mm (A 型时最大为 9mm)
- 3) 压脚提升到 10mm以上时，请注意针杆 ② 的前端下降到最底下时，不能碰到压脚 ③。

4. INSTALLING THE THREAD STAND / 线架装置的安装



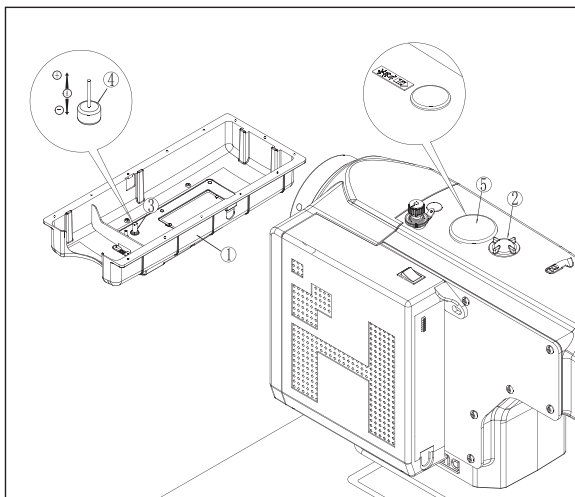
5. LUBRICATION OF MACHINE / 机器的润滑



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的起动造成的事故，请关掉电源后进行。



1. Add sewing machine oil (no. 7 white oil) to the oil tray and observe the fluctuation (A) of oil level buoy 4 through the oil level window 3 to determine the oil level;
2. After refueling, start the machine and see oil splash on oil window 2, indicating normal lubrication;
3. When the dot of oil level buoy 4 is lower than the oil level oil window, oil should be added. When oil level buoy 4 is level with the oil plate, stop refueling;
4. Open the rubber plug 5 at the indication label at the refueling place for refueling



When you first operate your machine after setup or after an extended period of disuse, run your machine at 3,000 to 3,500 rpm. for about 10 minutes for the

1. 向油盘内加入缝纫机机油（7号白油），通过油量油窗3观察油量浮标4的起伏（A）来确定油量多少；
2. 加油后，开动机器，应看到油液飞溅到油窗2上，说明润滑正常；
3. 当油位浮标4圆点低于油量油窗时，应加油，当油位浮标4与油盘平齐时，停止加油；
4. 在加油处指示标贴处打开橡皮塞5加油



新缝纫机或较长时间没有使用的缝纫机在使用之前，应进行10分钟3000-5000 rpm的磨合运转。

6. ADJUSTING THE AMOUNT OF OIL (OIL SPLASHES) IN THE HOOK/

关于旋梭部油量(迹)调整方法



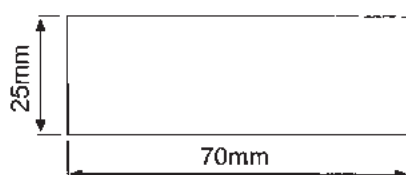
WARNING:

Be extremely careful about the operation of the machine since the amount of oil has to be checked by turning the hook at a high speed.

注意：旋梭是以高速转动。为了防止人身事故，调整油量时，请加以充分的注意。

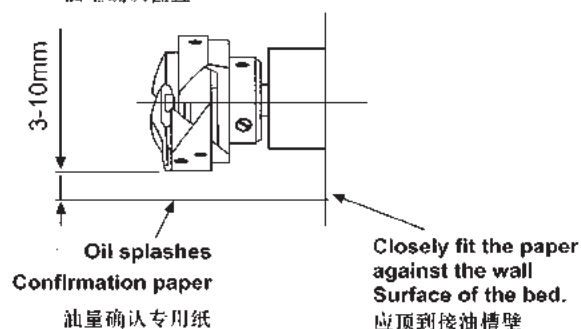
① Amount of oil (oil splashes) confirmation paper

油量确认专用纸张



② Position to confirm the amount of oil(oil splashes)

油量确认位置



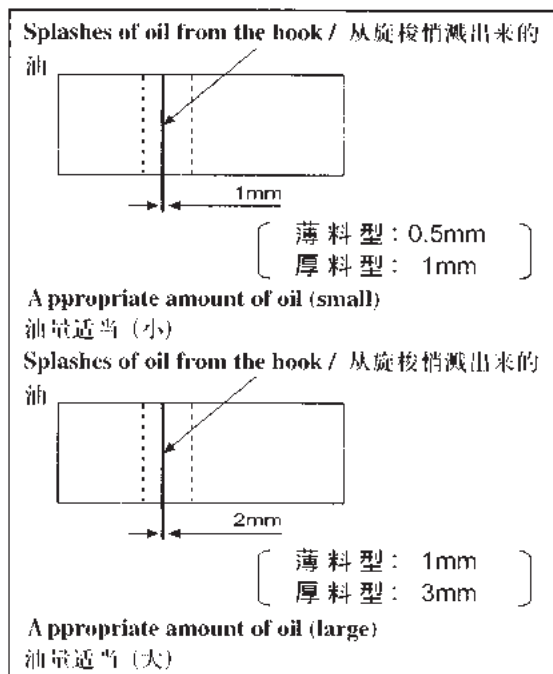
* When carrying out the procedure described below in 2, remove the slide plate and take extreme caution not to allow your fingers to come in contact with the hook.

- 1) If the machine has not been sufficiently warmed up for operation, make the machine run idle for approximately three minutes. (Moderate intermittent operation)
- 2) Place the amount of oil (oil splashes) confirmation paper under the hook while the sewing machine is in operation.
- 3) Confirm the height of the oil surface in the oil reservoir is within the range between "HIGH" and "LOW".
- 4) Confirmation of the amount of oil should be completed in five seconds. (Check the period of time with a watch.)

* 进行下列2)的作业时，请卸下滑板，同时要充分注意手指不要碰到旋梭。

- 1) 冷机头时，请进行3分钟左右的空运转。(适当的断续运转)
- 2) 油量(迹)确认专用纸在缝纫机转动后的状态下插进去。
- 3) 请确认油量的油面高度应在HI和LOW的范围之内。
- 4) 确认油量(迹)所需要的时间为5秒钟。(应看着表)

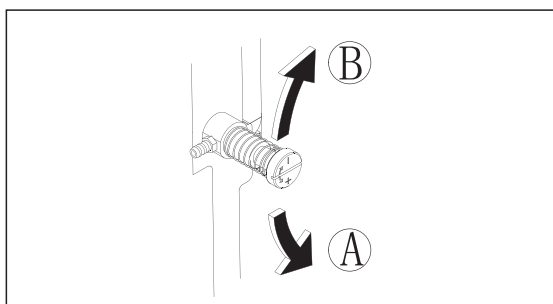
● Sample showing the appropriate amount of oil / 油量 (迹) 适合标样



- 1) The amount of oil shown in the samples on the left should be finely adjusted in accordance with sewing processes. Be careful not to excessively increase/decrease the amount of oil in the hook.
(If the amount of oil is too small, the hook will be seized (the hook will be not). If the amount of oil is too much, the sewing product may be stained with oil.)
- 2) Adjust the amount of oil in the hook so that the oil amount(oil splashes) should not change while checking the oil amount three times (on the three sheets of paper)

- 1) 左图标样根据缝制供需要微调增减, 但注意不要过大增加或减少。
(油量过少时, 会烧坏旋梭(发热)。油量过多时, 会沾污缝制品。)
- 2) 油量 (迹) 应确认3次 (3张) 均无变化。

● Adjusting the amount of oil (oil sports) in the hook/ 旋梭油量 (迹) 调整



- 1) Turning the oil amount adjustment screw attached on the hook driving shaft front bushing in the "+" direction (in direction **A**) will increase the amount of oil (oil sports) in the hook, or in the "-" direction (in direction **B**) will decrease it .
- 2) After the amount of oil in the hook has been properly adjusted with the oil amount adjustment screw, make the sewing machine run idle for approximately 30 seconds to check the amount of oil in the hook.

- 1) 把下轴前端金属部件上的油量调节螺丝向上的方向 (**A** 方向) 转动, 油量 (迹) 变多, 向下的方向 (**B** 方向) 转动, 油量 (迹) 变少。
- 2) 油量调节螺丝调整后的油迹, 应空运转30秒钟左右进行油量 (迹) 的确认。

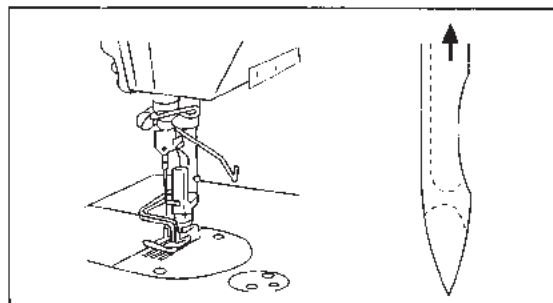
7. ATTACHING THE NEEDLE / 机针的安装



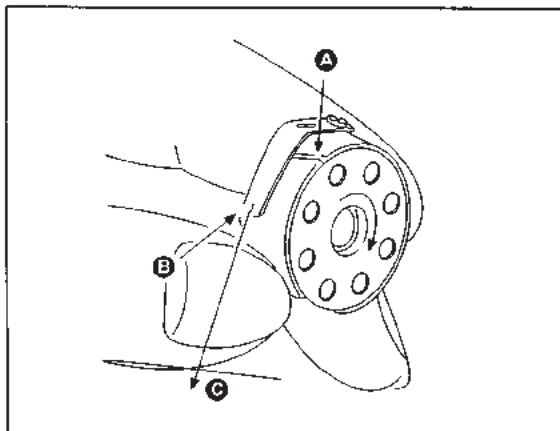
WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意: 为了防止意外的起动造成的事故, 请关掉电源后进行。



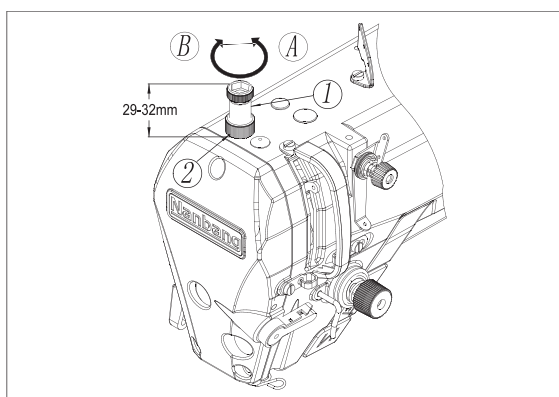
8. SETTING THE BOBBIN INTO THE BOBBIN CASE / 梭心的安装方法



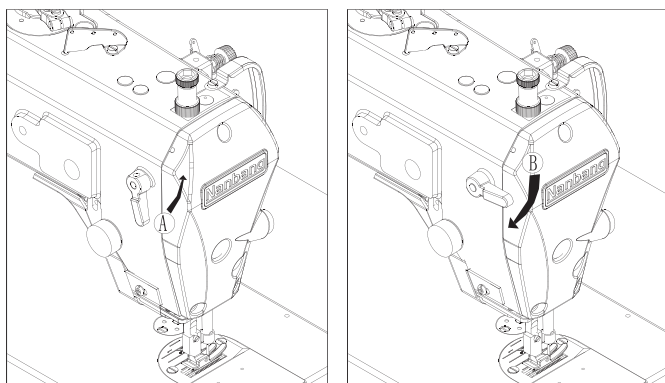
- 1) Pass the thread through thread slit **A** and pull the thread in direction **B**
By so doing the thread will pass under the tension spring and come out from notch **B**
- 2) Check that the bobbin rotates in the direction of the arrow when thread **C** is pulled

- 1) 把线穿过梭壳的穿线口 **A** 然后把线往 **B** 方向拉，从线张力弹簧下面的穿线口 **B** 拉出来。
- 2) 拉底线 **C**，确认梭心是否按箭头方向转动。

9. PRESSER FOOT PRESSURE / 压脚压力的调节



10. HAND LIFTER / 关于压脚提升



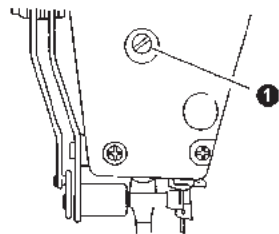
11. ADJUSTING THE HEIGHT OF THE PRESSER BAR / 压脚杆高度的调整



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的起动造成的事故，请关掉电源后进行。



1) Loosen setscrew ①, and adjust the presser bar height or the angle of the presser foot.

2) After adjustment, securely tighten the setscrew ①.

1) 变更压脚杆的高度或压脚的角度时，请拧送压脚杆套管固定螺丝 ① 进行调整。

2) 调整后，拧紧固定螺丝 ①。

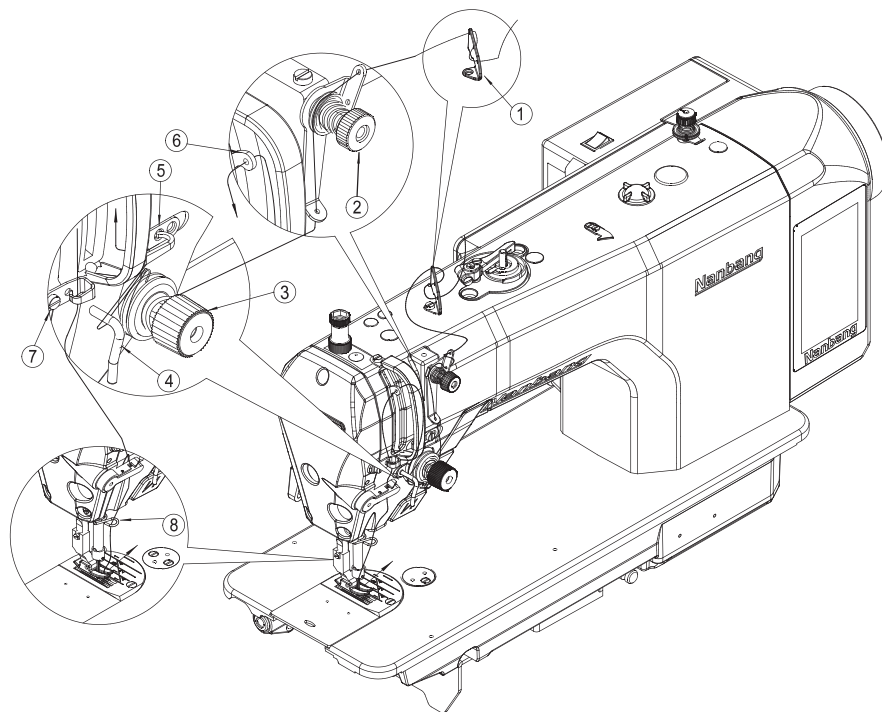
12. THREADING THE MACHINE HEAD / 上线的穿线方法



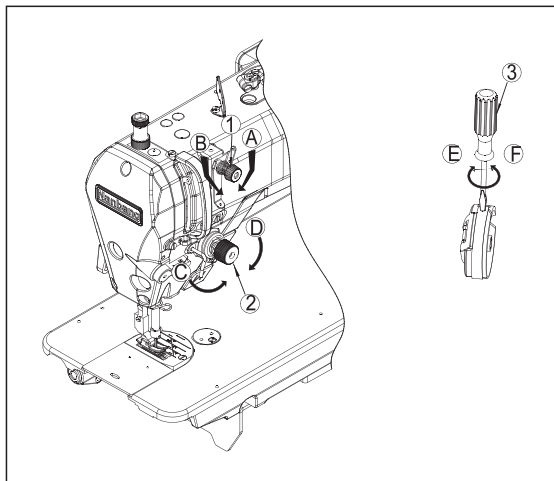
WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的起动造成的事故，请关掉电源后进行。



14. THREAD TENSION / 线张力器



(1) Adjusting the needle thread tension

- 1) As you turn thread tension No.1 nut ① clockwise (in direction ②), the thread remaining on the needle after thread trimming will be shorter.
- 2) As you turn nut ① counterclockwise (in direction ③) the thread length will be longer.
- 3) As you turn thread tension No.2 nut clockwise (in direction ④), the needle thread tension will be increased.
- 4) As you turn nut ② counterclockwise (in direction ⑤) the needle thread tension will be decreased.

(2) Adjusting the bobbin thread tension

- 1) As you turn tension adjust screw ③ clockwise (in direction ⑥), the bobbin thread tension will be increased.
- 2) As you turn screw ③ counterclockwise (in direction ⑦), the bobbin thread tension will be decreased.

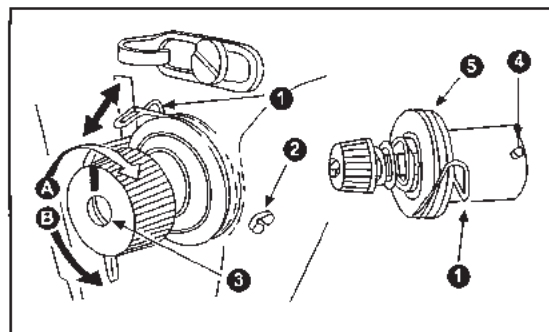
(1) 上线张力的调整

- 1) 向右 ② 的方向转动第一线张力螺母 ① 切线后残留在机针上的线长度变短。
- 2) 向左 ③ 的方向转动、则长度变长。
- 3) 向右 ④ 的方向转动第二线张力螺母 ②，上线张力变强。
- 4) 向左 ⑤ 的方向转动，则上线张力变弱。

(2) 底线张力的调整

- 1) 向左 ⑥ 的方向转动线张力螺丝 ③，底线张力变强。
- 2) 向右 ⑦ 的方向转动线张力螺丝，则底线张力变弱。

15. THREAD TAKE-UP SPRING / 挑线弹簧



(1) Changing the stroke of thread take-up spring ①

- 1) Loosen setscrew ②.
- 2) As you turn tension post ③ clockwise (in direction ④) the stroke of the thread take-up spring will be increased.
- 3) As you turn the knob counterclockwise (in direction ⑤), the stroke will be decreased.

(2) Changing the pressure of thread take-up spring ①

- 1) Loosen setscrew ②, and remove thread tension (asm) ⑤.
- 2) Loosen setscrew ④.
- 3) As you turn tension post ③ clockwise (in direction ⑥) the pressure will be increased.
- 4) As you turn the post ③ counterclockwise (in direction ⑦) the pressure will be decreased.

(1) 挑线弹簧 ① 的行程量调整

- 1) 拧松线张力台的固定螺丝 ②，
- 2) 向右 ④ 的方向转动线张力杆 ③，则行程量变大。
- 3) 向左 ⑤ 的方向转动，则行程量变小。

(2) 挑线弹簧 ① 的压力调整

- 1) 拧松固定螺丝 ②，卸下线张力杆 ⑤。
- 2) 拧松线张力杆固定螺丝 ④ 进行调整。
- 3) 向右 ⑥ 的方向转动线张力杆 ③ 则压力变强。
- 4) 向左 ⑦ 的方向转动压力则压力变弱。

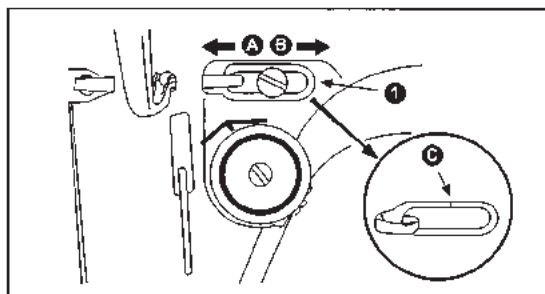
16. ADJUSTING THE THREAD TAKE-UP STROKE / 挑线杆挑线量的调整



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的启动造成的事故，请关掉电源后进行。



- 1) When sewing heavy-weight materials, move thread guide ① to the left (in direction A) to increase the length of thread pulled out by the thread take-up.
- 2) When sewing light-weight materials, move thread guide ① to the right (in direction B) to decrease the length of thread pulled out by the thread take-up.
- 3) Normally, thread guide ① is positioned in a way that marker line C is aligned with the center of the screw.

- 1) 缝制厚料时，向左 A 的方向移动线导向器 ①，则挑线量变多。
- 2) 缝制薄料时，向或 B 的方向移动线导向器 ①，则挑线量变少。
- 3) 线导向器 ① 在刻线 C 对螺丝的中心时是标准位置。

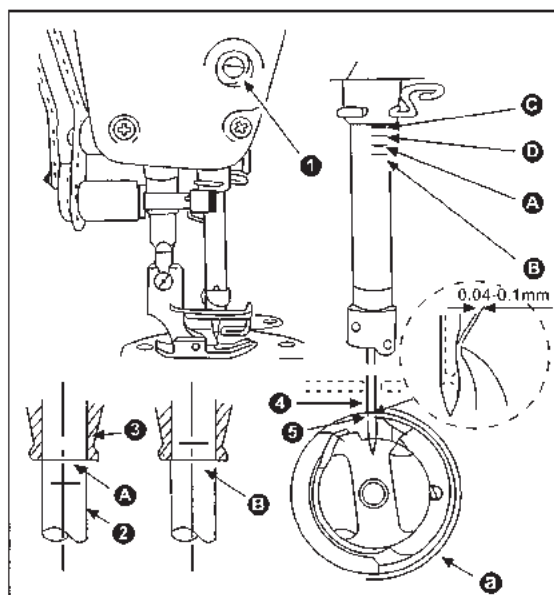
17. NEEDLE-TO-HOOK RELATIONSHIP / 机针与旋梭的关系



WARNING:

To avoid possible personal injury due to abrupt start of the machine, turn off the power to the machine and check to be sure that the motor has totally stopped rotating in prior.

注意：为了防止突然启动造成人身事故，请关掉电源，确认马达确实停止转动后进行。



(1) Adjust the timing between the needle and the hook as follows.

- 1) Turn the handwheel to bring the needle bar down to the lowest point of its stroke, and loosen setscrew ① (Adjusting the needle bar height)
- 2) (For a DB needle) Align marker line A on needle bar ② with the bottom end of needle bar lower bushing ③, then tighten ① setscrew .
(For a DA needle) Align marker line B on needle bar ② with the bottom end of needle bar lower bushing ③, then tighten setscrew ①.

(Adjusting position of the hook a)

- 3) (For a DB needle) Loosen the three hook setscrews, turn the handwheel and align marker line B on ascending needle bar ② with the bottom end of needle bar lower bushing ③,
(For a DA needle) Loosen the three hook setscrews, turn the handwheel and align marker line D on ascending needle bar ② with the bottom end of needle bar lower bushing ③.

- 4) After making the adjustments mentioned in the above steps, align hook blade point ⑤ with the center of needle ④. Provide a clearance of 0.04 mm to 0.1mm (heavy-weight: 0.06 to 0.17mm) (reference value) between the needle and the hook, then securely tighten setscrews in the hook.



If the clearance between the blade point of hook and the needle is smaller than the specified value, the blade point of hook will be damaged. If the clearance is larger, stitch skipping will result.

(1) 请用如下方法调整机针和旋梭。

1) 转动飞轮，让针杆降到最下点，然后拧松针杆套管固定螺丝①。

2) [DA针时]

把针杆②的刻线A对准针杆下铁块③的下端，然后拧紧针直套管固定螺丝A。

[DB针时]

把针杆②的刻线C对准针杆下铁块③的下端，然后拧紧针直套管固定螺丝①。

(决定旋梭a的安装位置)

3) [DB针时]

拧松3根旋梭固定螺丝，转动飞轮在针杆②上升的方向，把刻线B对准针杆下铁块③的下端。

[DA针时]

拧松3根旋梭固定螺丝，转动飞轮在针杆②上升的方向，把刻线D对准针杆下铁块③的下端。

4) 在此状态下，让旋梭尖⑤对准机针④的中心，把机针与旋梭的间隙调整为0.04-0.1mm (厚料型:0.06-0.17mm) (大致)，然后拧紧螺丝。



间隙过小的话，会损伤旋梭尖。间隙过大的话，会跳针。

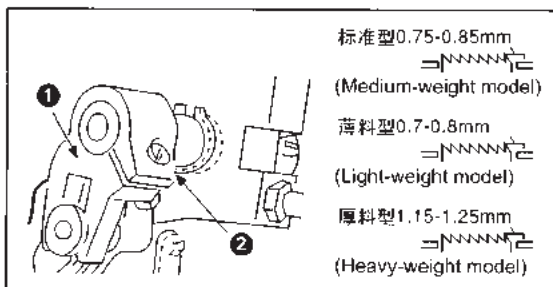
18. HEIGHT OF THE FEED DOG / 送布牙的高度



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的起动造成的事故，请关掉电源后进行。



To adjust the height of the feed dog:

- 1) Loosen screw ② of crank ①.
- 2) Move the feed bar up or down to make adjustment.
- 3) Securely tighten screw ②.



If the clamping pressure is insufficient, the motion of the forked portion becomes heavy.

调节送布牙的高度时

- 1) 拧松上送布抬牙叉①的紧固螺丝②。
- 2) 上下移运送布台进行调节。
- 3) 拧紧固定螺丝②。



紧固压力过弱的话，抬牙叉部的动作则变得不灵活了。

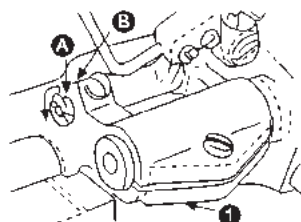
19. TILT OF THE FEED DOG / 送布牙的倾斜



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的起动造成的事故，请关掉电源后进行。



- a Front up / 前上 b Standard / 标准
c Front down / 前下 d Throat plate / 针板

- 1) The standard tilt (horizontal) of the feed dog is obtained when marker dot **A** on the feed bar shaft is aligned with marker dot **B** on feed rocker **1**. (heavy-weight, the marker dot **B** inclines forward the feed rocker shaft by 90°, as standard).
- 2) To tilt the feed dog with its front up in order to prevent puckering, loosen the setscrew, and turn the feed bar shaft 90° in the direction of the arrow, using a screwdriver.
- 3) To tilt the feed dog with its front down in order to prevent uneven material feed, turn the feed bar shaft 90° in the opposite direction from the arrow. (The standard tilt for heavy-weight)



Whenever the feed dog tilt is adjusted, the feed dog height will be changed. Sp, it is necessary to check the height after tilt adjustment.

- 1) 标准倾斜(水平)度是送布台轴的刻点 **A** 和送布台曲柄 **1** 的 **B** 部一致时的位置。
(厚料型的标准倾斜是对 **B** 部呈90度水平送布面向轴侧的位置)
- 2) 为了防止缝制皱褶，向前抬起送布时，请拧松固定螺丝，把螺丝刀插入送布台轴，然后沿箭头方向转90度。
- 3) 为了减少布的偏斜，向前下降产送布牙时，请沿与箭头方向相反方向转90度（这是厚料型的标准位置）



注意了送布牙之后，送布齿的高度会有变化，请再次确认。

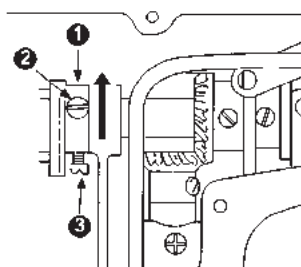
20. ADJUSTING THE FEED TIMING / 送布位置的调节



WARNING:

To avoid possible personal injury due to abrupt start of the machine, turn off the power to the machine and check to be sure that the motor has totally stopped rotating in prior.

注意：为了防止突然造成人身事故，请关掉电源，确认马达确实停止转动后再进行。



Standard feed timing
标准

Advanced feed timing
送布相位提前

Delayed feed timing
送布相位推迟

- 1) Loosen screws **2** and **3** in feed eccentric cam **1**, move the feed eccentric cam in the direction of the arrow or opposite direction of the arrow, and firmly tighten the screws.
- 2) For the standard adjustment, adjust so that the top surface of feed dog and the top end of needle eyelet are flush with the top surface of throat plate when the feed dog descends below the throat plate.
- 3) To advance the feed, move the feed eccentric cam uneven material feed, move the feed eccentric cam in the direction of the arrow.
- 4) To delay the feed timing in order to increase stitch tightness, move the feed eccentric cam in the opposite. move the feed eccentric cam in the opposite direction from the arrow.



Be careful not to move the feed eccentric cam too far, or else needle breakage may result.

- 1) 拧松送布偏心凸轮 ❶ 的固定螺丝 ❷ 和 ❸，朝箭头方向或反箭头方向移动送布偏心凸轮，然后拧紧固定螺丝。
- 2) 标准调节位置是送布牙从针板下落时，送布牙上面与针孔上端对准针板上面的位置。
- 3) 提早送布相位以防止布偏斜时，请向箭头方向移动送布偏心凸轮。
- 4) 为了良好的紧线而推迟相位时，请逆箭头方向移动偏心凸轮。



移动距离过大会发生断针故障。

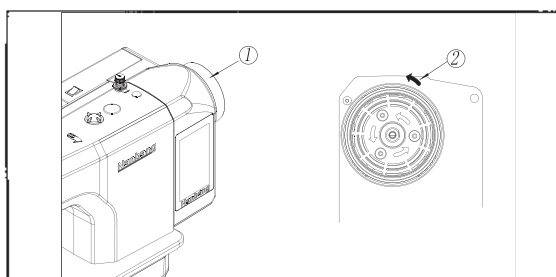
21. ADJUSTING THE NEEDLE STOP POSITION / 机针停止位置的调整



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的启动造成的事故，请关掉电源后进行。



1. Turn the handwheel ❶ (along the direction of the arrow ❷ rotation) makes the needle bar ❺ hit bottom;
2. Remove the rubber mat on the panel;
3. Screw fastening screw pine needle bar connection column 4, the needle bar ❺ move up and down to adjust, when using the DB and DP machine needle in the needle bar moves up the needle bar minimum rod 20-22MM;
4. Tighten the fastening screw screw;
5. Wear rubber pads.

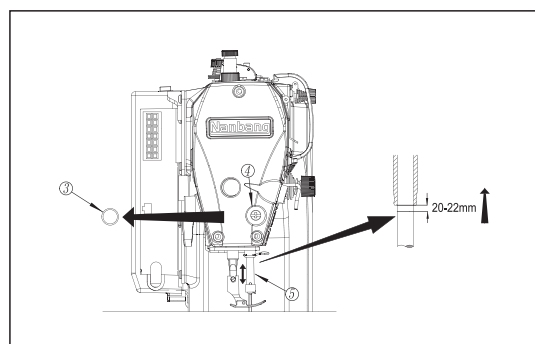


Do not operate the machine with screw ❶ loosened. Just loosen the screw, and do not remove it.

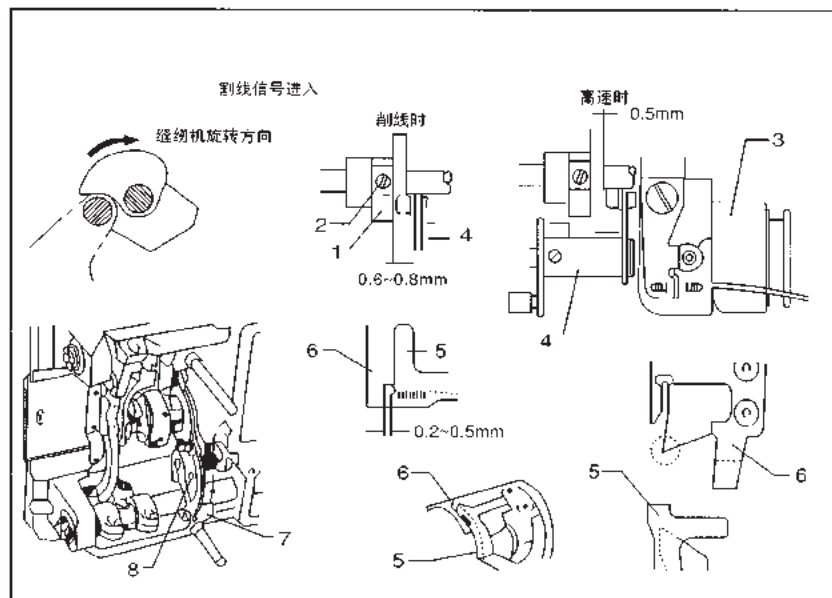
1. 转动手轮 ❶ (沿箭头 ❷ 方向转动) 使针杆 ❺ 降到最低点；
2. 拆下面板上的橡胶垫 ❸；
3. 旋松针杆连接柱紧固螺钉 4，将针杆 ❺ 上下移动来进行调节，使用 DB 和 DP 机针时在针杆最低处往上移动针杆 20-22MM；
4. 拧紧紧固螺钉 ❹；
5. 装上橡胶垫 ❸。



拧松螺丝 ❶ 的状态下请不要运转缝纫机。此螺丝只能拧松而不能拧下来。



22. COUNTER KNIFE / 固定刀



(1) Adjusting the position of thread cutting cam.

Turn the belt wheel of sewing machine. When the needle bar rise by 5mm from the lowest position, press the thread cutting serpentine pipe to make the roller shaft contact the rabbet of the thread cutting cam ① and then fix with the positioning screw ② temporarily, after that adjust the thread cutting serpentine pipe ③ to the original place. At the same time, loose the positioning screw ② to adjust the thread cutting wheel ①, keeping the clearance between the head face of the cam and the roller shaft to 0.5mm (Fix the positioning screw ② at a torque moment of 40kg/cm)

(2) Adjusting the place of moving knife and fixed knife.

When the head of thread cutting cam controlling lever ⑦ surpasses the thread cutting cam, the front part of the fixed knife ⑤ should mesh with the edge of the moving knife ⑥ in 0.2-0.5mm. When failed to mesh, move the moving thread cutting controlling lever ⑦ under the condition that roller shaft surpasses the thread cutting cam, making the front of the fixed knife ⑤ to mesh with the edge of the moving knife and then fixed the screw ⑧.

(1)、割线凸轮位置的调节

转动缝纫机的皮带轮，当针棒从最低位置上升5毫米时，用手压割线螺旋管使滚轮轴接触割线凸轮①的凹部，然后用定位螺丝②临时固紧。然后把割线螺旋管③返回到原来的位置(离开位置)，同时放松定位螺丝②调节割线面轮①，使凸轮端面和滚轮轴端面之间的间隙为0.5毫米。(以40公斤-厘米的扭矩拧紧定位螺丝②)

(2)、移动刀片、固定刀片位置的调整

当割线凸轮控制杆④的头部超过割线凸轮时，固定刀片⑤的前端和转移刀片⑥的刀刃部应当啮合0.2-0.5毫米。当不啮合时，在滚轮轴超过割线凸轮①的情况下移动割线控制杆⑦，使固定刀片⑤的前端和移动刀片⑥的刀刃部相啮合，然后拧紧螺丝⑧。

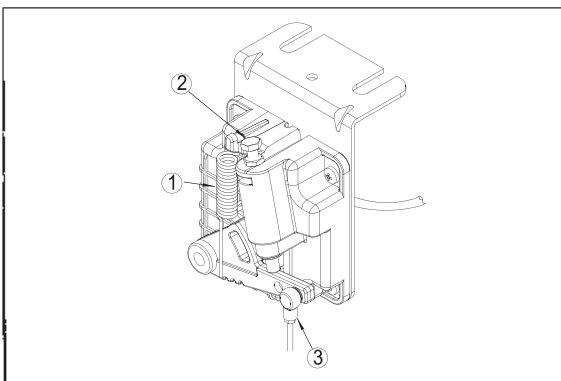
23. PEDAL PRESSURE AND PEDAL STROKE / 踏板压力和行程



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的起动造成的事故，请关掉电源后进行。



(1) Adjusting the pressure required to depress the front part of the pedal

- 1) This pressure can be changed by changing the mounting position of pedaling pressure adjust spring ①.
- 2) The pressure decreases when you hook the spring on the left side.
- 3) The pressure increases when you hook the spring on the right side.

(2) Adjusting the pressure required to depress the back part of the pedal

- 1) This pressure can be adjusted using regulator screw ②.
- 2) The pressure increases as you turn the regulator screw in.
- 3) The pressure decreases as you turn the screw out.

(3) Adjusting the pedal stroke

- 1) The pedal stroke increases when you insert connecting rod ③ into the right hole.

(1) 踏板踩踏压力的调整

- 1) 换成前踩踏弹簧 ① 可以调整。
- 2) 把弹簧挂到左侧之后，压力变轻。
- 3) 挂到右侧之后变重。

(2) 踏板回踩力的调整

- 1) 用踏板回踩压力调节弹簧 ② 可以调整。
- 2) 拧进调节螺丝则压力变大。
- 3) 拧松调节螺丝则压力变小。

(3) 踏板踩踏行程的调整

- 1) 把连接杆 ③ 插到右侧的孔里之后行程变大。

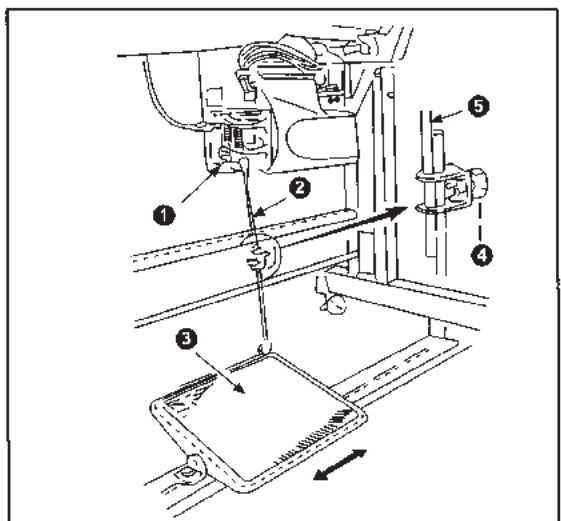
24. ADJUSTMENT OF THE PEDAL / 踏板的调整



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

注意：为了防止意外的起动造成的事故，请关掉电源后进行。



(1) Installing the connecting rod

- 1) Move pedal ③ to the right or left as illustrated by the arrow so that motor control lever ① and connecting rod ② are straightened.

(2) Adjusting the pedal angle

- 1) The pedal tilt can be freely adjusted by changing the length of the connecting rod.
- 2) Loosen adjust screw ④, and adjust the length of connecting rod ⑤.

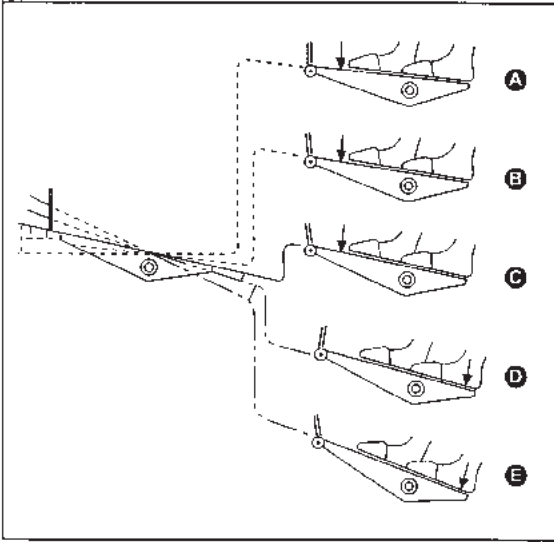
(1) 连接杆的安装

- 1) 向箭头方向移动踏板调节板 ③，让踏板拨杆 ① 和连接杆 ② 呈一直线。

(2) 踏板的角度

- 1) 调节连接杆的长度就可以自由地改变踏板倾斜度。
- 2) 拧松调节螺丝 ④，拉出插入连接杆 ⑤ 进行调整。

25. PEDAL OPREATON / 踏板操作



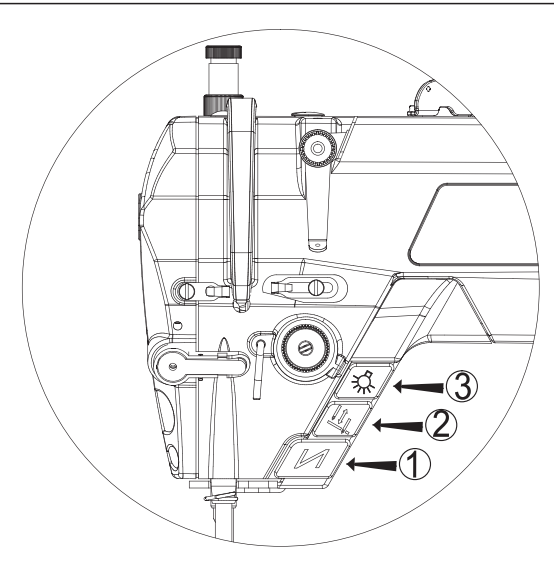
(1) The pedal is operated in the following four steps:

- 1) The machine runs at low sewing speed when you lightly depress the front part of the pedal **B**.
- 2) The machine runs at high sewing speed when you further depress the front part of the pedal **A**.
(If the automatic reverse feed stitching has been preset, the machine runs at high speed after it completes reverse feed stitching)
- 3) The machine stops (with its needle up or down) when you reset the pedal to its original position **C**.
- 4) The machine trims threads when you fully depress the back part of the pedal **E**.
If your machine is provided with the Auto-lifter (PF-9), an additional step is given between the machine stop and thread trimming step. the presser foot goes up when you lightly depress the back part of the pedal **D**, and if you further depress the back part, the thread trimmer is actuated.

(1) 踏板按4个阶段进行操作。

- 1) 向前轻轻踩踏板为低速缝制 **B**。
- 2) 再用力向前踩踏板则变为高速缝制 **A**。
(但是，开关设定为自动倒缝时，倒缝结束后进行高速缝制)
- 3) 所踏板返回到脚轻轻地放在踏板上的位置缝纫机停止 **C**。(机针上停止或不停止位置)
- 4) 用力向后踩踏板则为切线动作 **E**。
使用自动压脚提升装置(PF-9)时，在停止和切线之间增加1级开关，向后轻轻的踏板为压脚提升动作 **D**，再往后用力踩踏板为切线动作。

26. Headlight button / 机头灯按钮



(1) Use method

1. Press button 1 to touch the inverted switch
2. Press button 2 and push the reverse button
3. Press button 3 to switch and adjust light.



WARNING:

Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.

(1) 使用方法

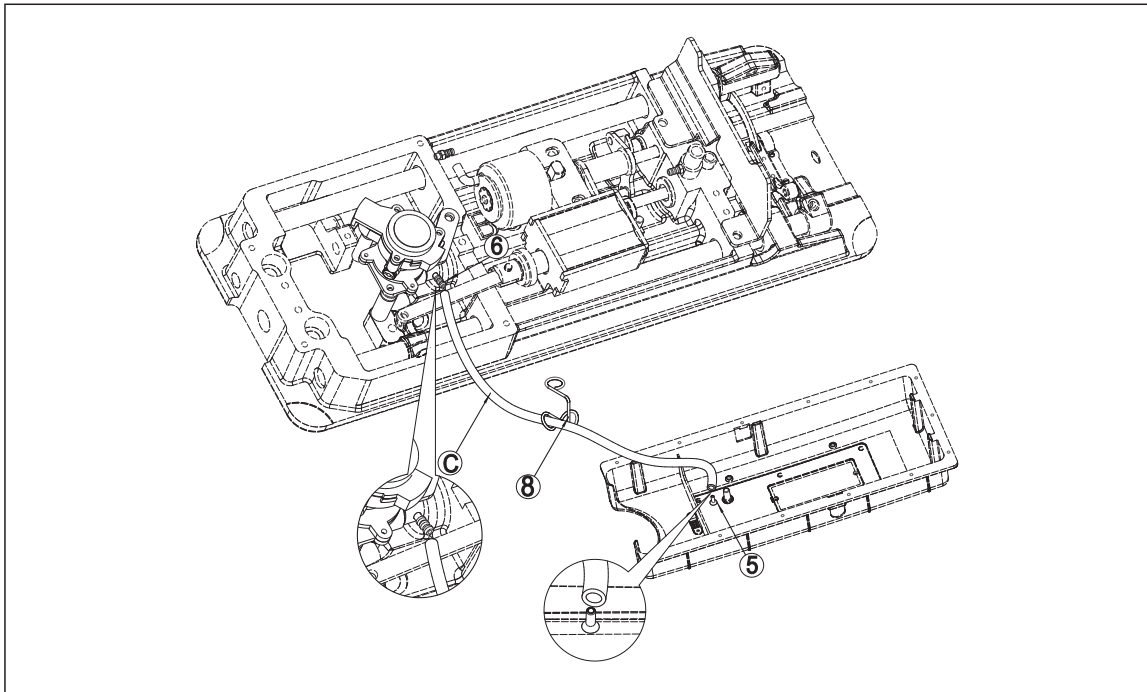
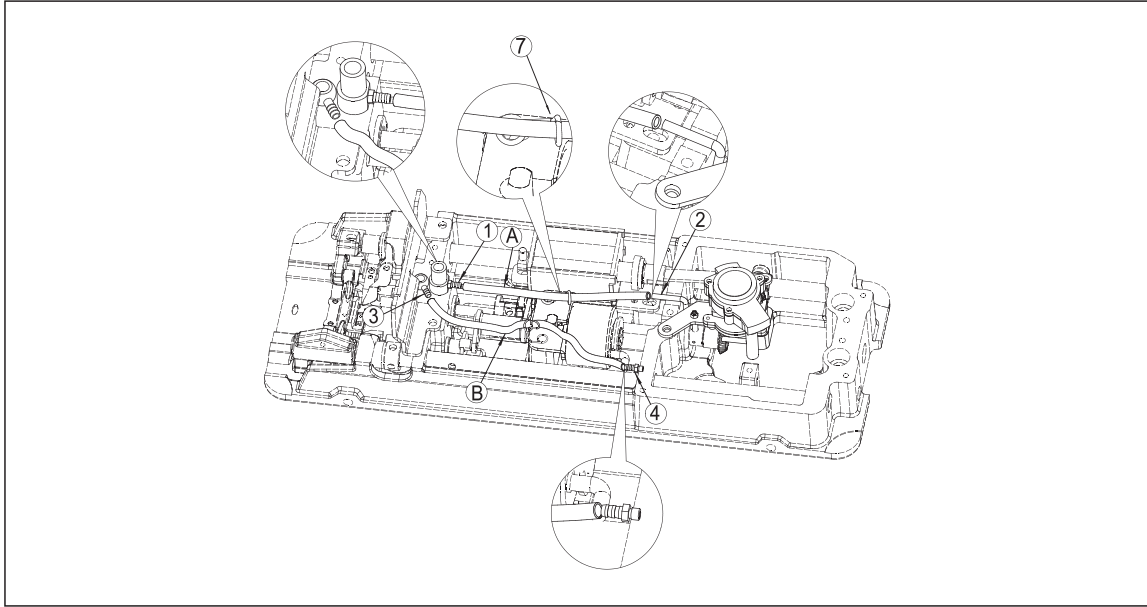
1. 按下按钮 1，触动倒缝开关
2. 按下按钮 2，触动补针按钮
3. 按下按钮 3，灯光亮度及开关



注意

为了防止意外的启动造成的事故，请关掉电源后进行。

27. Tubing installation / 油管安装



1. A connects one end of the tubing to the tubing joint 1 and the other end to the supply tubing joint 2;
2. Connect one end of the B pipe to the pipe joint 3 and the other end to the supply pipe joint 4;
3. Connect one end of the C pipe to the oil pan return hole 5, and the other end to the lower shaft plunger 6.

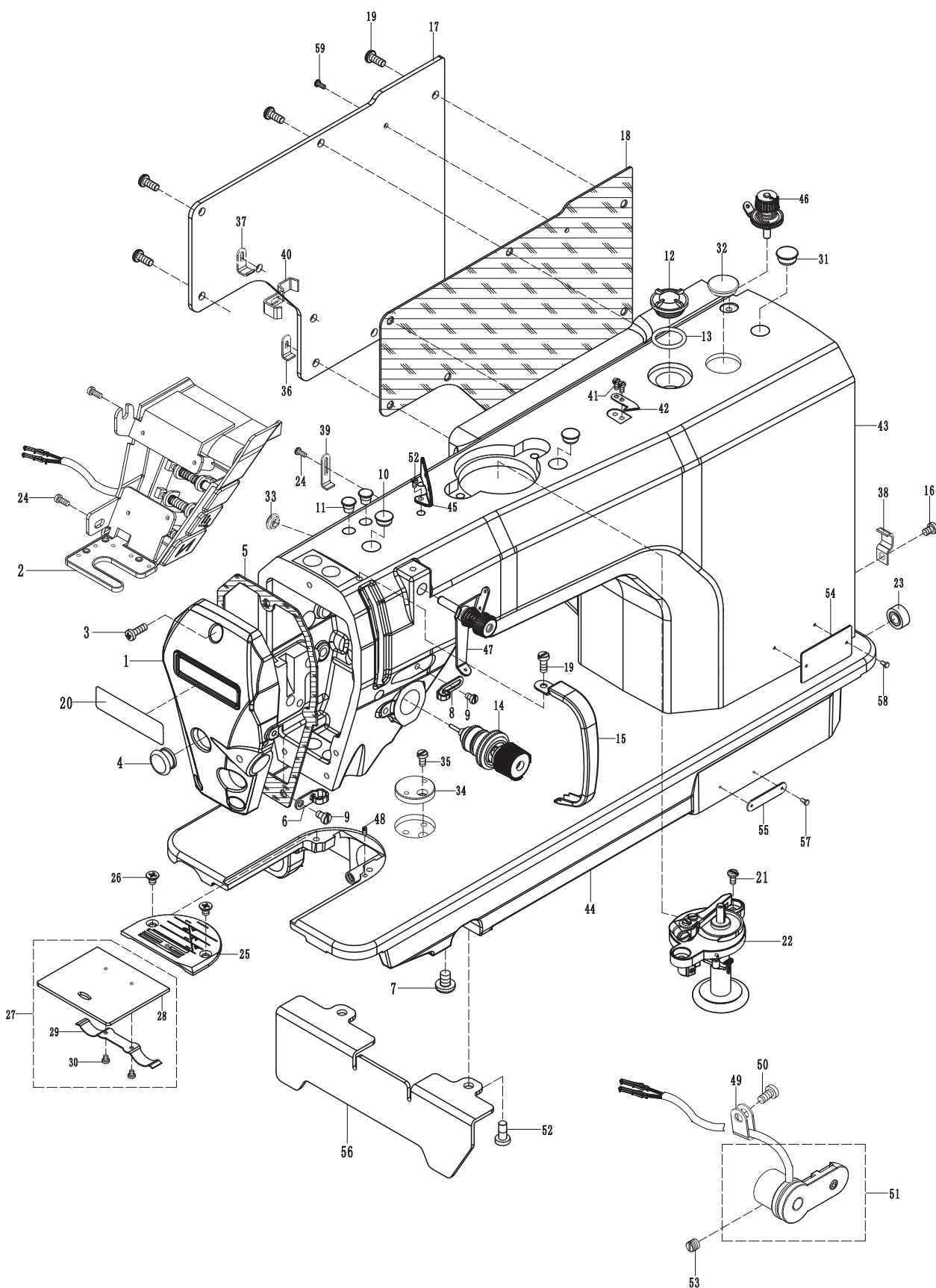
1. 将A油管一端连接油管接头1，另一端连接供油管接头2；
2. 将B油管一端连接油管接头3，另一端连接供油管接头4；
3. 将C油管一端连接油盘回油柱孔5，另一端连接下轴柱塞6。

注：A、油管安装前先装入油管弹簧7；B油管，C油管安装前先入油管弹簧8

零件手冊

PARTS BOOK

1.机壳分组件/Machine frame components



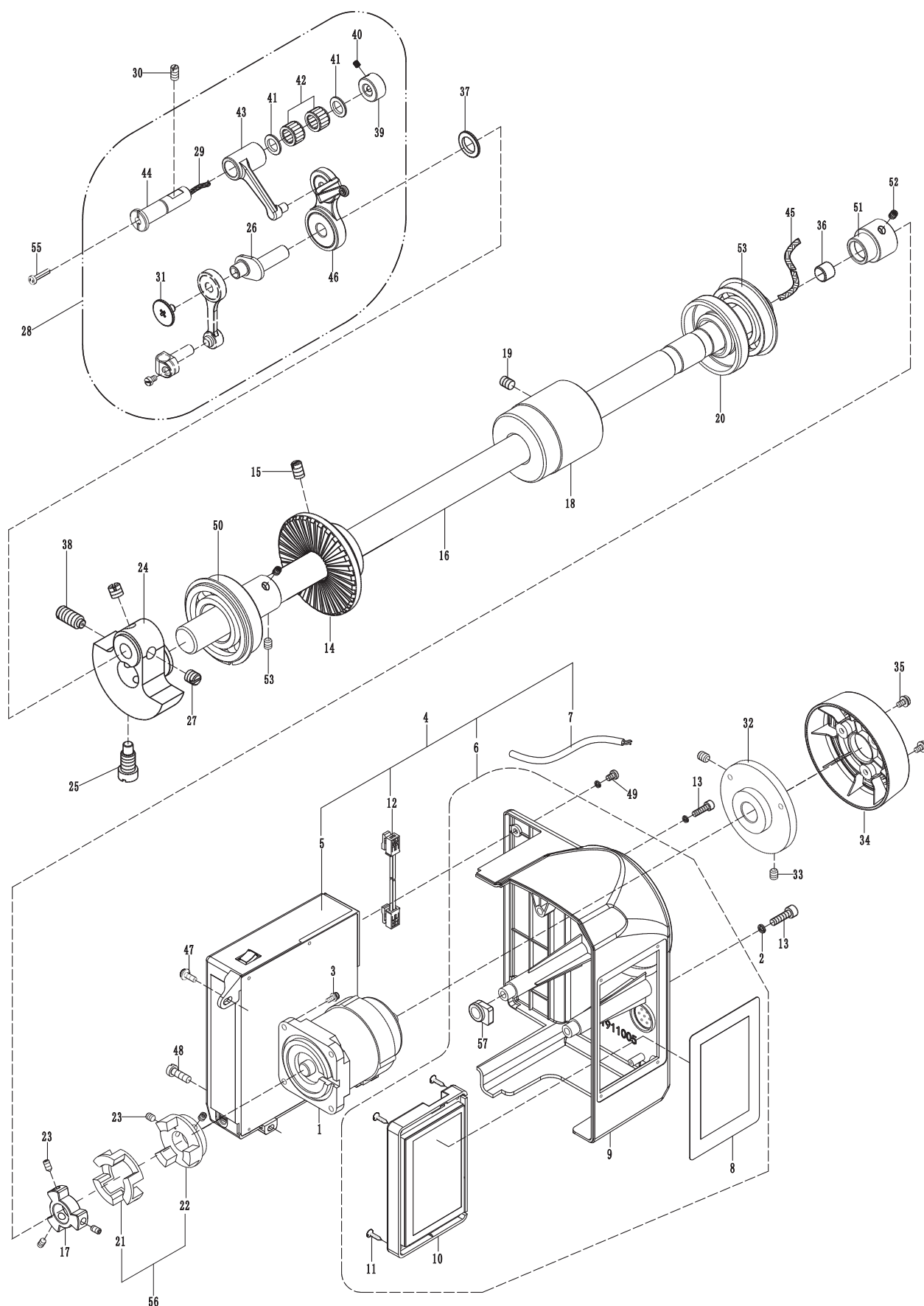
1.机壳分组件/Machine frame components

序号 Ref.no	图号 Part.no	名 称	Name of spare parts	数量 Qty
1	9001001G	带电子夹线器面板	Thread tension plate	1
2	9001002G	D7加长照明灯组件	D7 Lengthen lighting assembly	1
3	101078	复合槽螺钉SM3/16×28 L=12	Screw SM3/16×28 L=12	3
4	405010	面板调节螺丝孔塞(φ12.8)	Screw hole φ12.8	2
5	9001005B	面板垫	Face plate Gasket	1
6	9001006	左线钩	Thread guide left	1
7	101115	复合槽螺钉SM15/64×28 L=14	Screw SM11/64×40 L=14	4
8	9001008	右线钩	Thread guide right	1
9	104053	一字平头螺钉SM11/64×40 L=6	Screw SM11/64×40 L=6	2
10	402010	φ12.5橡皮塞	φ12.5 Rubber plug	2
11	404008	φ8.5橡皮塞	φ8.5 Rubber plug	1
12	9001012A	油窗	Oil window	1
13	413033	油窗橡胶垫	Oil window rubber plug	1
14	9001014	大夹线器组件	Big thread tension asm	1
15	9001015	挑线杆护罩	Thread take-up lever cover	1
16	101288	复合槽螺钉M5×12	Screw M5×12	1
17	9001017I	后窗板	Gasket	1
18	9001018I	后窗板垫	Side plate	1
19	101075	复合槽螺钉SM3/16×28 L=9	Screw SM3/16×28 L=9	11
20	9001122	商标牌	Brand name	1
21	103260	一字盘头螺钉M4×8	Screw M4×8	2
22	9001022A	绕线器组件	Bobbin winder asm	1
23	9001023A	电磁防护套橡皮塞	Electromagnetic protective cover rubber stopper	1
24	101072	复合槽螺钉SM3/16×28 L=6	Screw SM3/16×28 L=6	2
25	9001025E	针板	Needle plate	1
26	113055	半沉头螺钉SM11/64×40 L=8.5	Screw 11/64×40 L=8.5	2
27	9001027	推板组件	Bed slide asm	1
28	9001028	推板	Slide plate	1
29	9001029	推板簧	Slide plate spring	1
30	104001	一字平头螺钉SM3/32×56 L=2	Screw SM3/32×56 L=2	2

1.机壳分组件/Machine frame components

序号 Ref.no	图号 Part.no	名 称	Name of spare parts	数量 Qty
31	412023	φ 20橡皮塞	φ 20 Rubber plug	1
32	9001031D	φ 28橡皮塞	φ 28 Rubber plug	1
33	405014	φ 15.8橡皮塞	φ 15.8 Rubber plug	1
34	9001033B	卷边器	Ruler stupper	1
35	104052	一字平头螺钉SM11/64 × 40 L=5	Screw SM11/64 × 40 L=5	1
36	1810080	电线压板	Cord holder	1
37	1810079	电线压板	Cord holder	1
38	0309012A	电线压板	Cord holder	1
39	9001037B	电线压板	Cord holder	1
40	9001037I	电线压板	Cord holder	1
41	103038	一字盘头螺钉SM9/64 × 40 L=6	Screw SM9/64 × 40 L=6	2
42	9001041	割线刀	Knife	1
43	11200072	D7加长机壳	Machine frame	1
44	11200072	D7加长底板	Bottom plate	1
45	9001044	过线板	Thread guide pin	1
46	9001045	过线夹线器	Thread guide plate	1
47	9001046B	小夹线器	Small thread tension asm	1
48	114041	开槽紧定螺钉SM9/64 × 40 L=8	Screw SM9/64 × 40L=8	1
49	9007049	油管夹	Tubing clamp	1
50	104052	一字平头螺钉SM11/64 × 40 L=5	Screw SM11/64 × 40 L=5	1
51	9001068K	D7加长电子夹线总成	Electronic clamping assembly	1
52	101109	复合槽螺钉SM15/64 × 28 L=8	Screw SM15/64 × 28 L=8	3
53	117256	内六角紧定螺钉M4 × 4	Screw M4 × 4	1
54	27007	面板铝牌	Panel card	1
55	26053	流水线序号牌	Pipeline number plate	1
56	9001134	支撑板	Back up pad	1
57	70001	铆钉	Rivet	2
58	70002	铆钉	Rivet	2
59	101257	一字平头螺钉M5 × 5	Screw M5 × 5	1

2. 上轴挑线组件/Main shaft & thread take-up components



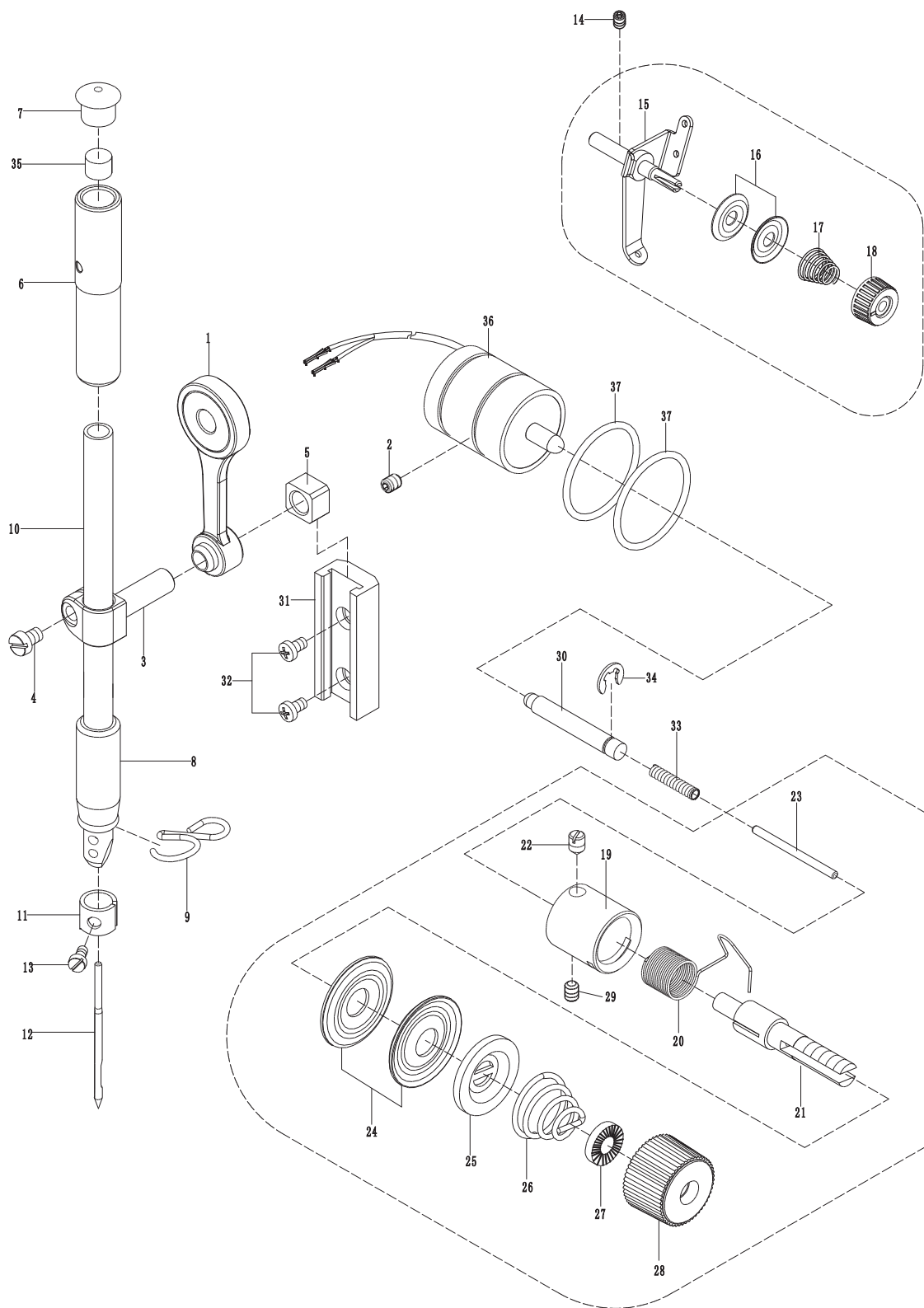
2.上轴挑线组件/Main shaft & thread take-up components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	9002001E	D7电机	Motor	1
2	201051	M5垫圈	M5 Washer	5
3	509291	内六角圆柱头螺钉、弹垫和平垫组合件M5×22	Screw M5×22	4
4	9002004H	D7系统	D7 Control box	1
5	9002004H-1	D7电控	D7 Controller	1
6	9002004H-2	D7电机罩	D7 Controller rear cover	1
7	9002004H-3	D7触摸屏通讯线	Touch screen communication line	1
8	9002004H-2A	D7电控面贴	D7 Electrically controlled surface mount	1
9	9002004H-2B	D7电机罩壳	Motor housng	1
10	9002004H-2C	D7电阻屏	Rseistive screen	1
11	139214	自攻螺钉ST3X12	Screw ST3×12	4
12	9002004H-2E	USB线	USB Cable	1
13	106292	内六角圆柱头螺钉M5×16	Screw M5×16	3
14	9002006A	绕线器主动轮	Bobbin winder Main wheel	1
15	116313	内六角紧定螺钉M6×12	Screw M6×12	2
16	9002008H	D7加长上轴(轴承)	D7 Lengthened upper shaft	1
17	9002009	上轴连接器	Upper shaft connector	1
18	9002013C	D7加长上轴中轴套	D7 Lengthened Upper shaft bushing	1
19	116108	内六角紧定螺钉SM15/64×28 L=7	Screw SM15/64×28 L=7	1
20	9002016A	D7加长油封	D7 Lengthened oil seal	1
21	9002017	联轴器缓冲垫	Washer	1
22	9002018	电机连接器	Motor connector	1
23	147311	内六角紧定螺钉M6×10 (锥端)	Screw M6×10	6
24	9002020H	D7针杆曲柄	Needle bar crank	1
25	127154	开槽圆柱头长圆锥螺钉SM9/32×28	Screw SM9/32×28	1
26	9002023C	挑线曲柄	Thread take-up crank	1
27	115143	开槽紧定螺钉SM1/4×40 L=7	Screw SM1/4×40 L=7	2
28	9002025H	挑线杆组件(无油)	Thread take-up lever asm (no oil)	1
29	9002030	挑线连杆销油线	Oil wick	1

2.上轴挑线组件/Main shaft & thread take-up components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
30	114116	开槽紧定螺钉SM15/64×28 L=15	Screw SM15/64×28 L=15	1
31	9002032	挑线曲柄左旋螺钉SM9/64×40 L=4.8	Screw SM9/64×40 L=4.8	1
32	9002033A	传感器定位架	Sensor positioning frame	1
33	116283	内六角紧定螺钉M5×4	Screw M5×4	2
34	9002036	电机手轮	Motor handwheel	1
35	102260	复合槽圆柱头带垫片螺钉M4×8	Screw M4×8	3
36	9002038	上轴橡皮塞	Upper shaft rubber stopper	1
37	201125	挑线杆垫片	Washer	1
38	115155	开槽紧定螺钉SM9/32×28 L=13	Screw SM9/32×28 L=13	1
39	9002044	垫圈	Washer	1
40	116050	内六角紧定螺钉SM11/64×40 L=4	Screw SM11/64×40 L=4	1
41	9002046	塑料垫片	Plastic washer	1
42	9002047	挑线杆弯针轴承	Bearing	2
43	9002048	挑线弯钩	Thread take-up lever hook	1
44	9002049	挑线连杆销	Rod	1
45	9002061	羊毛线	Wool thread	1
46	9002064	挑线杆部件（微油）	Thread take-up lever components(semi oil)	1
47	102053N	复合槽带垫片螺钉SM11/64×40 L=6.8	Screw SM11/64×40 L=6.8	1
48	101077	复合槽螺钉SM3/16×28 L=11	Screw SM3/16×28 L=11	2
49	101260	复合槽螺钉M4×8	Screw M4×8	2
50	9002072A	上轴前轴承（6004RS）带卡圈	Upper bearing of upper shaft	1
51	9002074	后轴承衬套	Rear bearing bush	1
52	117305	内六角紧定螺钉M6×0.75 L=12	Screw M6×0.75 L=12	2
53	9002076	上轴后轴承	Upper shaft lower bearing	1
54	117143	内六角紧定螺钉SM1/4×40 L=6	Screw SM1/4×40 L=6	2
55	9002078	油量调节塞	Oil regulating plug	1
56	9002079	电机连接器组件	Motor connector asm	1
57	9002073	垫块	Washer	1

3. 针杆、夹线分组件/Needle bar & thread tension components



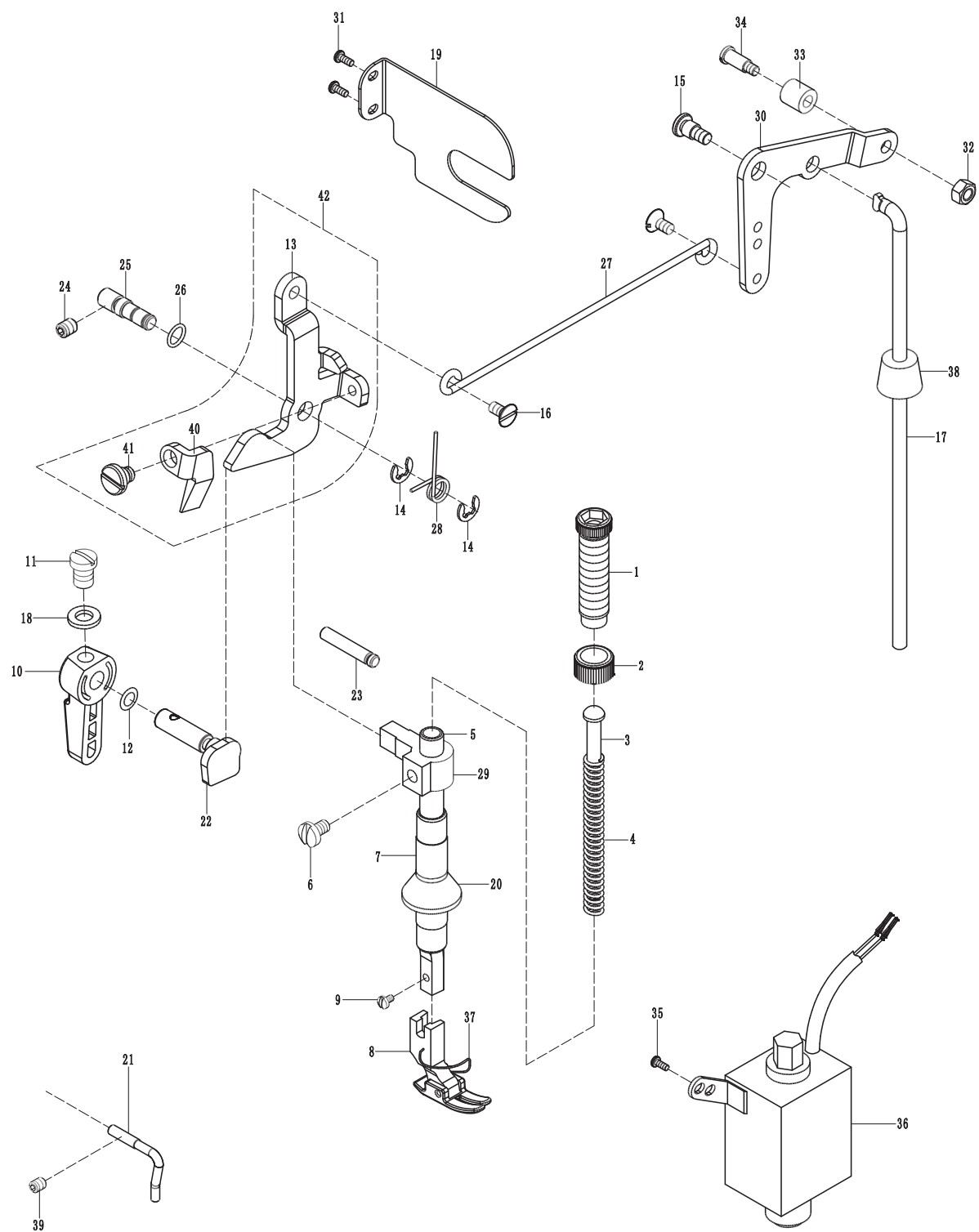
3.针杆、夹线分组件/Needle bar & thread tension components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	9003001A	针杆连杆	Needle bar connecting rod	1
2	147056	内六角紧定螺钉SM11/64 × 40 L=6	Screw SM11/64 × 40 L=6	1
3	9003003B	针杆连接柱（镀黑金刚）	Needle bar connection	1
4	104039	一字平头螺钉SM9/64 × 40 L=7	Screw SM9/64 × 40 L=7	1
5	9003005B	针杆连接柱滑块	Slide block	1
6	9003006	针杆上轴套	Needle bar bushing upper	1
7	401005	针杆上轴套孔塞	Rubber plug	1
8	9003008D	针杆下衬套	Needle bar bushing lower	1
9	9003009	针杆下衬套线钩	Lower bushing thread guide	1
10	9003010F	针杆（镀黑金钢）	Needle bar(black diamond plating)	1
11	9003011	针杆线钩	Needle bar thread guide	1
12	37006	机针 DB × 1 × 14#	Needle DB × 1 × 14#	1
13	103021	一字盘头螺钉SM1/8 × 44 L=5	Screw SM1/8 × 44 L=5	1
14	116072	内六角紧定螺钉SM3/16 × 28 L=6	Screw SM3/16 × 28 L=6	1
15	9003015B	小夹线器过线板	Thread tension guide	1
16	9003016	小夹线器板	Small thread tension plate	2
17	9003017	小夹线器弹簧	Thread tension spring	1
18	9003018B	小夹线调节螺母	Nut	1
19	9003019	挑线簧调节座	Tension post socket	1
20	9003020	挑线簧	Take-up spring	1
21	9003021	夹线螺钉	Screw	1
22	104036	一字平头螺钉SM9/64 × 40 L=4.5	Screw SM9/64 × 40 L=4.5	1
23	9003023	松线钉	Thread release pin	1
24	9003024	夹线板	Tension disc	2
25	9003025	松线板	Tension disc holder	1
26	9003026	夹线簧	Tension spring	1
27	9003027	夹线器制动板	Rotating disc stopper	1
28	9003028	夹线螺母	Nut	1

3.针杆、夹线分组件/Needle bar & thread tension components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
29	115111	开槽紧定螺钉SM15/64 × 28 L=10	Screw SM15/64 × 28 L=10	1
30	9003030B	松线辅钉	Tention release supporting pin	1
31	9003031B	针杆接头滑块导轨	Needle bar guide	1
32	104055	一字平头螺钉SM11/64 × 40 L=8	Screw SM11/64 × 40 L=8	2
33	9003033	弹簧	Spring	1
34	202029	E型卡簧	E type clamping spring	1
35	9003035	油绵	Cotton oil	1
36	9003038E	D7加长松线电磁铁	D7 Lengthened loose wire electromagnet	1
37	209191	O型圈	O-ring	2

4.压料、松线分组件/Presser bar & thread release components



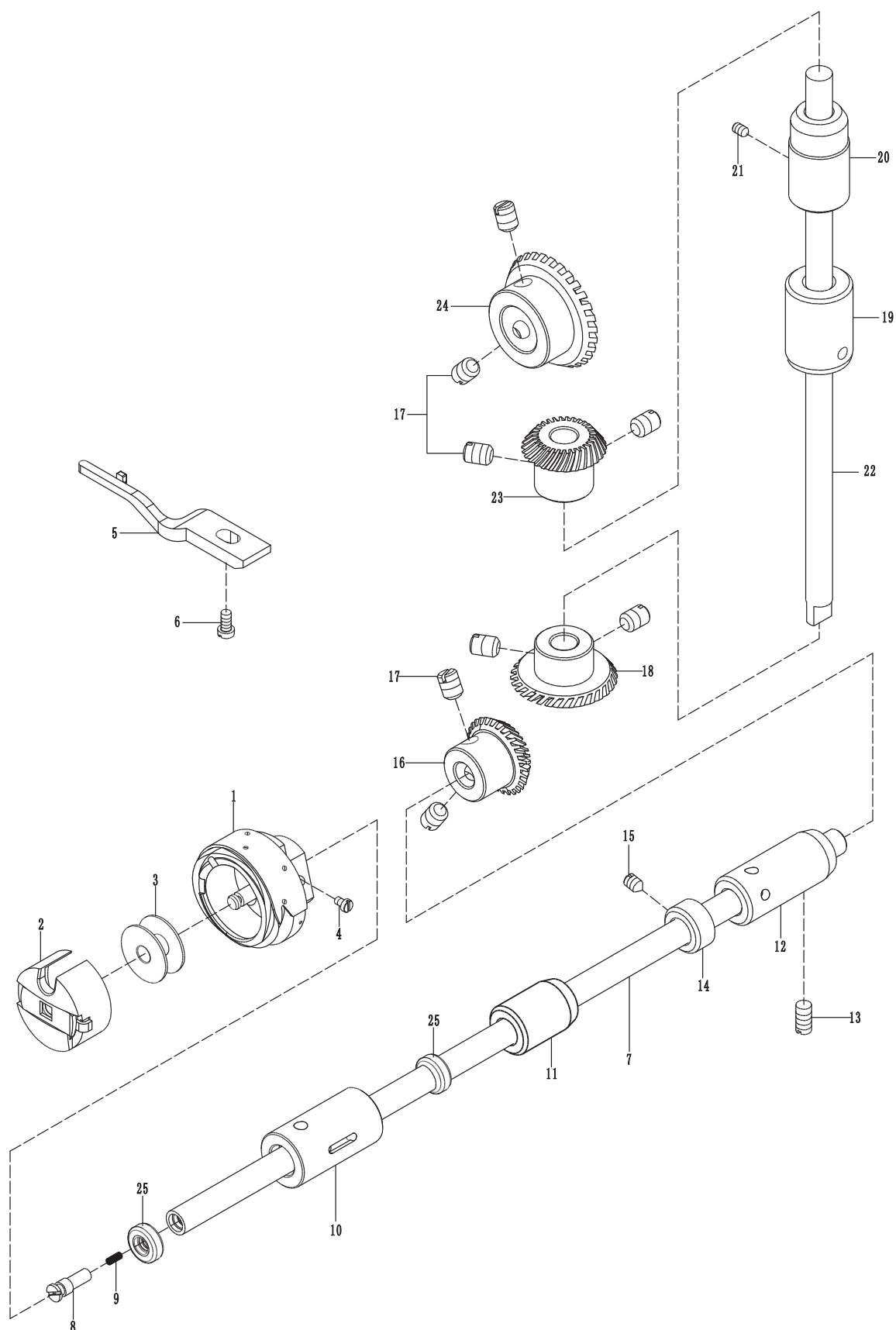
4.压料、松线分组件/Presser bar & thread release components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	173179	调压螺钉 SM1/2 × 28	Press regulating screw SM1/2 × 28	1
2	181179	调压螺母 SM1/2 × 28	Press regulating nut SM1/2 × 28	1
3	9004003	调压导杆	Press regulating guide bar	1
4	9004004	调压簧	Press regulating spring	1
5	9004005A	压杆	Presser bar	1
6	103314	一字盘头螺钉M6 × 8	Screw M6 × 8	1
7	9004010A	压杆轴套	Presser bar bushing	1
8	9004011C	活压脚组件	Presser foot asm	1
9	103042	一字盘头螺钉SM9/64 × 40 L=10	Screw SM9/64 × 40 L=10	1
10	9004013	压脚扳手	Hand lifter	1
11	103041	一字盘头螺钉SM9/64 × 40 L=9	Screw SM9/64 × 40 L=9	1
12	209026	压脚扳手轴O型圈	Presser wrench shaft O-ring	1
13	9004022F	松线顶板	Tension release plate	1
14	202035	E型卡簧	E type clamping spring	2
15	118109	圆柱头轴位螺钉SM15/64 × 28	Screw SM15/64 × 28	1
16	118087	抬压脚拉杆螺钉SM3/16 × 32	Screw SM3/16 × 32	2
17	9004031D	抬压脚顶杆（长度275）	Press foot lift pole (long 275)	1
18	201037	压脚扳手螺钉垫片	Washer	1
19	9004047B	挡油板	Oil baffle plate	1
20	9004048	挡油橡胶套	Rubber plug	1
21	9004050A	“7” 字紧线钩	"7" type thread guide	1
22	9004052	压脚提升凸轮	Presser foot lift cam	1
23	9004053	弹簧挡销	Spring stop pin	1
24	117052	内六角紧定螺钉SM11/64 × 40	Screw SM11/64 × 40	1
25	9004055	前杠杆销	Front lever pin	1
26	209045	O型圈	O-ring	1
27	9004058B	D7加长双刀抬压脚拉杆(283长)	D7 Lengthened press foot lift lever(283)	1
28	9004059	前杠杆销弹簧	Front lever pin spring	1

4.压料、松线分组件/Presser bar & thread release components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
29	9004060	压杆导架	Presser bar guide bracket	1
30	9004062	抬压脚杠杆	Press foot lift lever	1
31	101072	复合槽螺钉SM3/16 × 28 L=6	Screw SM3/16 × 28 L=6	2
32	126318	M6螺母	Nut M6	1
33	0303025	膝控提升杠杆（右）滚柱	Knee lift lever(right) roller	1
34	0303026	膝控提升右杠杆滚柱销	Knee control lift right lever rooler pin	1
35	101075	复合槽螺钉SM3/16 × 28 L=9	Screw SM3/16 × 28 L=9	4
36	9004070B	四自动抬压脚电磁铁（长600）	Four automatic presser foot lifting electromagnet (long 600)	1
37	9004073	压脚护指器	Finger guard for Press foot	1
38	9004074	抬压脚顶杆护套	Presser foot lifting rod sheath	1
39	116050	内六角紧定螺钉SM11/64 × 40 L=5.5（凹端）	Screw SM11/64 × 40 L=5.5	1
40	9004078	松线板	Loose plate	1
41	118048	圆柱头轴位螺钉SM11/64 × 40 L=3	Screw SM11/64 × 40 L=3	1
42	9004080	松线杠杆组件	Loosening lever assembly	1

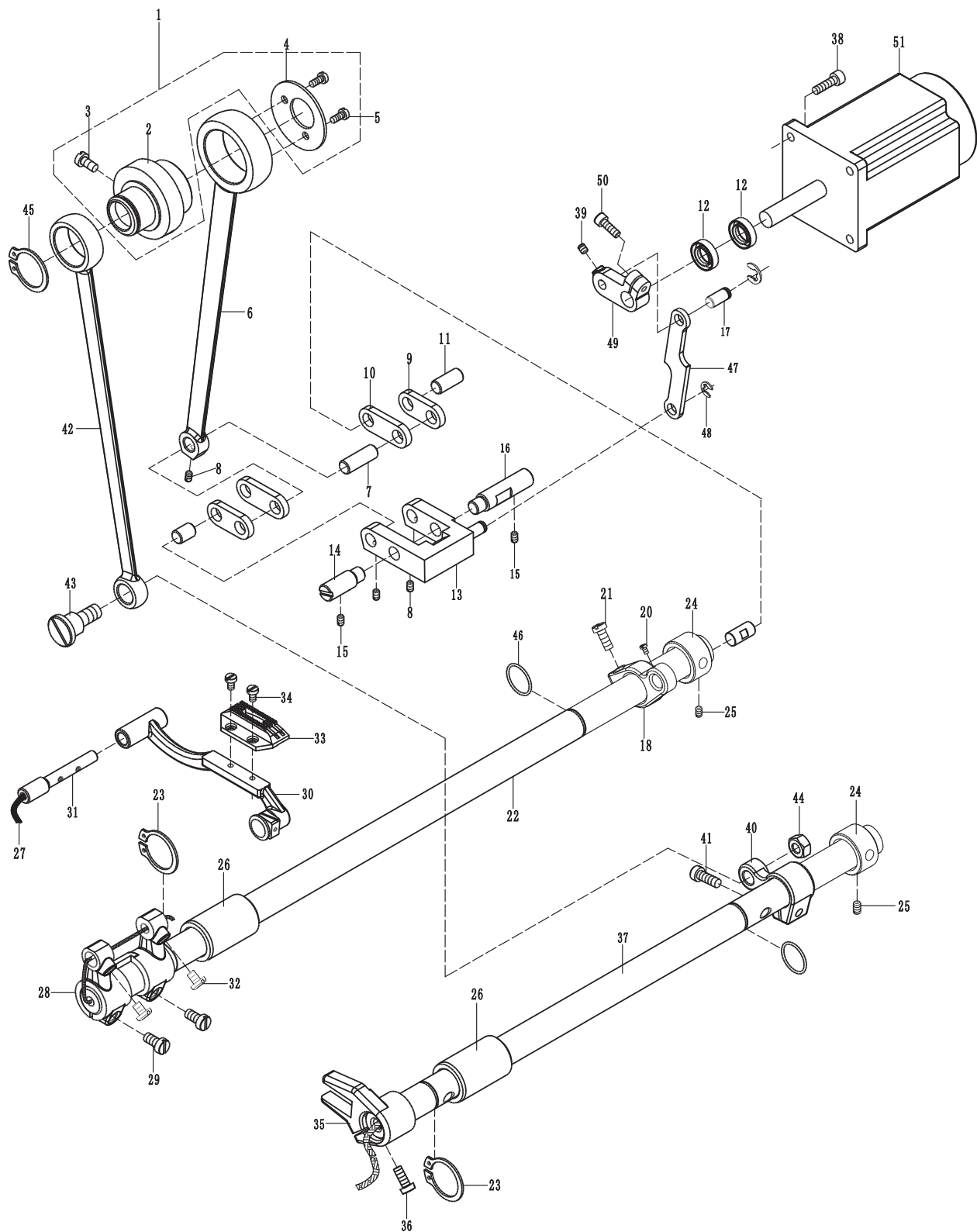
5. 勾线分组件/Hook driving shaft components



5.勾线分组件/Hook driving shaft components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	FXS006	旋梭	Hook	1
2	FXS046	梭子	Bobbin case asm	1
3	38001	梭芯	Bobbin	1
4	104051	一字平头螺钉SM11/64×40 L=4.5	Screw SM11/64×40 L=4.5	2
5	9005005C	旋梭定位钩(加长)	Positioning finger	1
6	102059	复合槽圆柱头带垫片螺钉SM11/64×40 L=12	Screw SM11/64×40 L=12	1
7	9005007D	D7加长下轴	D7 Lengthened lower shaft	1
8	159086	下轴限油螺钉SM3/16×32	Screw SM3/16×32	1
9	9005009	下轴限油油芯	Oil wick	1
10	9005010D	下轴前轴套	Hook driving shaft bushing front	1
11	9005011	下轴中轴套	Bushing middle	1
12	9005012B	下轴后轴套	Hook driving shaft bushing back	1
13	115109	开槽紧定螺钉SM15/64×28 L=8	Screw SM15/64×28 L=8	1
14	9005014	下轴挡圈	Hook driving shaft snap ring	1
15	115105	开槽紧定螺钉SM15/64×28 L=4.5	Screw SM15/64×28 L=4.5	2
16	9005016	下轴伞齿轮(小)	Hook drive shaft bevel gear	1
17	114143	开槽紧定螺钉SM1/4X40 L=7	Srew SM1/4×40 L=7	8
18	9005018	竖轴下伞齿轮(大)	Vertical shaft gear	1
19	9005019	竖轴下轴套	Upright shaft bushing lowerr	1
20	9005020	竖轴上轴套	Upright shaft bushing upper	1
21	116108	内六角紧定螺钉SM15/64×28 L=7	Screw SM15/64×28 L=7	2
22	9005022A	竖轴(加长)	Upright shaft (Lengthened)	1
23	9005023	竖轴上伞齿轮(小)	Upper small bevel gear asm	1
24	9005024	上轴伞齿轮(大)	Gear asm	2
25	0306033	下轴油封	Oil seal	2

6.送料分组件/Feed mechanism components



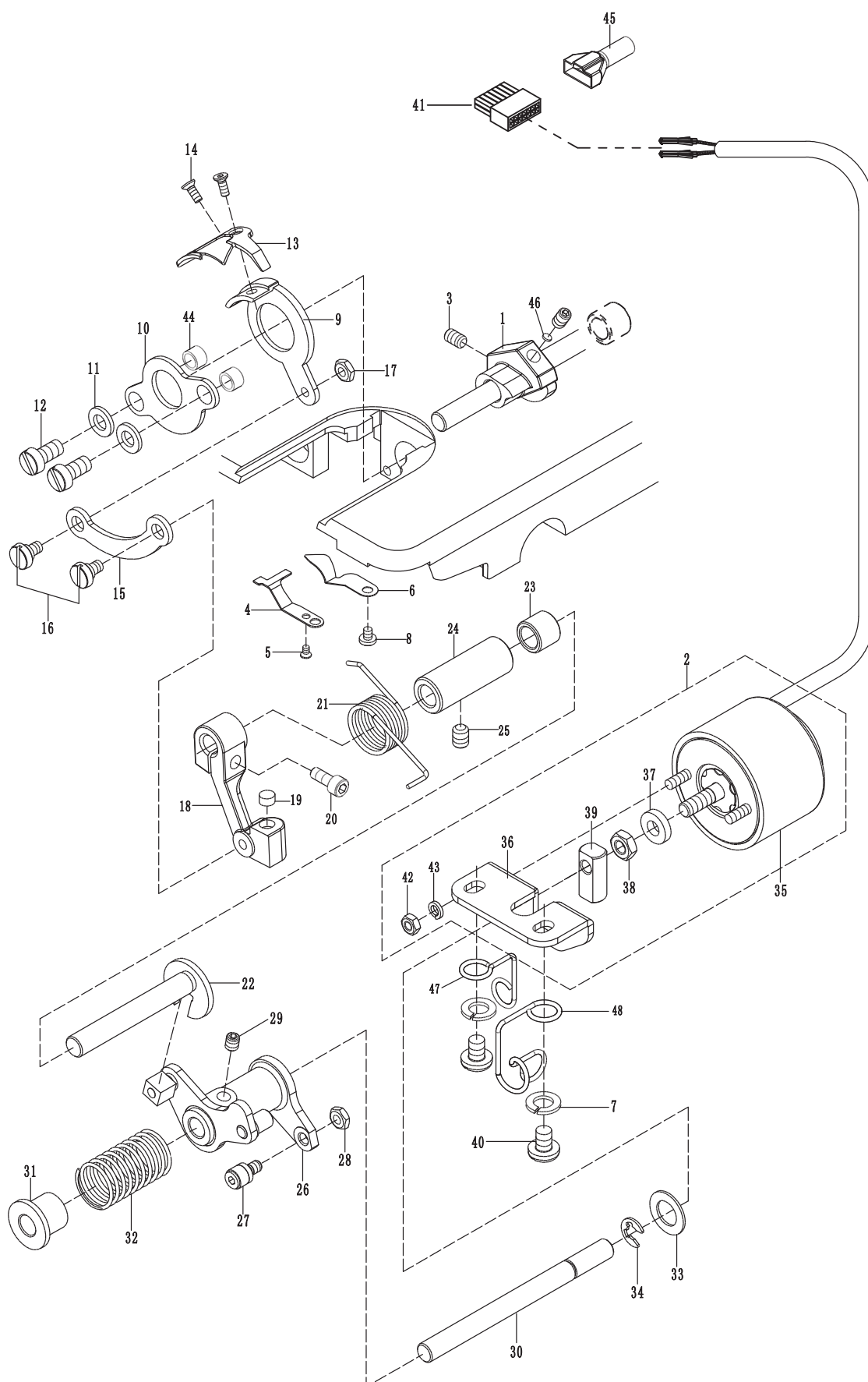
6.送料分组件/Feed mechanism components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	9006001A	送料偏心轮部件	Feed drive eccentric can asm	1
2	9006002	送料偏心轮	Feed drive eccentric can	1
3	105144	一字平头螺钉SM1/4 × 40 L=13	Screw SM1/4 × 40 L=13	2
4	9006004	送料偏心轮盖板	Thrust collar	1
5	112038	沉头螺钉SM9/64 × 40 L=6	Screw SM9/64 × 40 L=6	2
6	9006006A	送料连杆	Feed connecting rod	1
7	9006007	送料连杆销	Feed connecting pin	1
8	116038	内六角紧定螺钉SM9/64 × 40 L=6	Screw SM9/64 × 40 L=6	2
9	9006009	送料长摆动板	Connecting link A	2
10	9006010	送料短摆动板	Feeding long swing plate	2
11	9006011	短摆动板连接销	Walking foot pin A	2
12	9006062	D7步进电机油封	D7 Oil seal	2
13	9006013	摆杆座部件	Feed adjust link asm	1
14	9006014	送料摆动板座右销	Adjusting link fulcrum left	1
15	114116	开槽紧定螺钉SM15/64 × 28 L=15	Screw SM15/64 × 28 L=15	2
16	9006016	送料摆动板座右销	Adjusting link fulcrum right	1
17	1908003	倒送料连杆销	Auto reverse feed connecting rod pin	1
18	9006018	送料曲柄	Feed rocker crank	1
19	9006019	送料曲柄销	Feed rocker crank pin	1
20	104038	一字平头螺钉SM9/64 × 40 L=6	Screw SM9/64 × 40 L=6	1
21	104080	一字平头螺钉SM3/16 × 28 L=14	Screw SM3/16 × 28 L=14	1
22	9006022C	送料轴 (D7加长)	Feeding shaft (D7 Lengthened)	1
23	205013	送料轴轴用挡圈	Feeding shaft shaft retaining ring	2
24	9006024A	送料抬牙轴挡圈	Feeding shaft, lifting shaft retaining ring	2
25	116282	内六角紧定螺钉M5 × 5	Screw M5 × 5	4
26	9006026A	送料轴前轴套 (加长)	Feeding shaft bushing	2
27	9002030	送料轴油线	Oil wick	2
28	9006028A	牙架座曲柄 (加长)	Bracket crank	1
29	104068	一字平头螺钉SM11/64 × 40 L=12	Screw SM11/64 × 40 L=12	2
30	9006030B	牙架 (加长)	Feed bar asm	1

6.送料分组件/Feed mechanism components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
31	9006031	牙架销	Feed bar shaft	1
32	104055	一字平头螺钉SM11/64 × 40 L=8	Screw SM11/64 × 40 L=8	2
33	9006033C	送料牙	Feed dog	1
34	104023	一字平头螺钉SM1/8 × 44 L=6	Screw SM1/8 × 44 L=6	2
35	9006035	抬牙叉形曲柄部件	Driving shaft crank asm. Front	1
36	104057	一字平头螺钉SM11/64 × 40 L=10	Screw SM11/64 × 40 L=10	1
37	9006037C	抬牙轴 (D7加长)	Feed driving shaft (D7 Lengthened)	1
38	106292	内六角圆柱头螺钉M5 × 14	Screw M6 × 14	4
39	117052	内六角紧定螺钉SM11/64 × 40 L=5	Screw SM11/64 × 40 L=5	1
40	9006040	抬牙后曲柄	Rear crank	1
41	104080	一字平头螺钉SM3/16 × 28 L=14	Screw SM3/16 × 28 L=14	1
42	9006042A	抬牙连杆	Connecting rod	1
43	9006043	抬牙连杆曲位螺钉	Screw	1
44	126155	抬牙连杆轴位螺母9/32 × 28	Nut 9/32 × 28	1
45	9006045	抬牙连杆轴挡圈	E spring	1
46	209149	抬牙送布O型圈	O-ring	2
47	9006051A	步进倒送料连杆 (D7L)	D7L Step backward feed connecting rod	1
48	202034	E型卡簧	E type clamping spring	1
49	1908002-1	针距曲柄	Pin pitch crank	1
50	106059	内六角圆柱头螺钉SM11/64 × 40 L=12	Screw SM11/64 × 40 L=12	1
51	9006055	同步电机	Synchronous motor	1

8.切线装置部件/Thread trimmer components



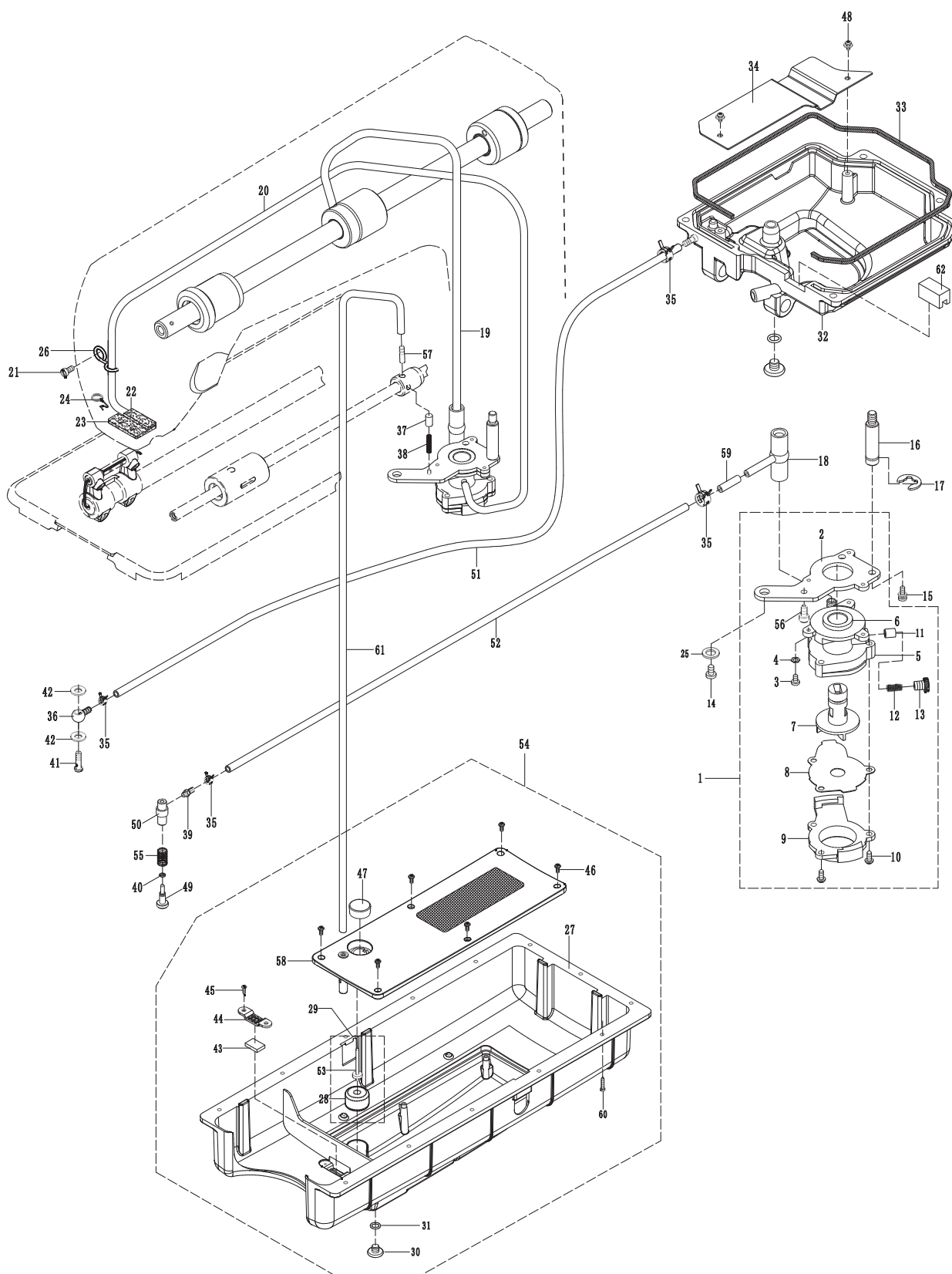
8.切线装置部件/Thread trimmer components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	9008001	切线凸轮	Cam	1
2	9008002F	切线电磁铁组件 (长820)	Magnet asm (long 820)	1
3	117147	内六角紧定螺钉SM1/4 × 40 L=10	Screw SM1/4 × 40 L=10	2
4	9008004	切线刀	Thread cutter	1
5	128037	平机螺钉SM11/64 × 40 L=5.5	Screw SM11/64 × 40 L=5.5	1
6	9008006	护针片	Needle protector	1
7	201090	M6垫圈	M6 washer	2
8	103036	一字盘头螺钉 SM11/64 × 40 L=6	Screw SM11/64 × 40 L=6	1
9	9008009	剪线刀架组件	Knife bracket	1
10	9008010	刀架压板	Holder plate	1
11	201050	垫圈	Washer	2
12	104068	一字平头螺钉SM11/64 × 40 L=12	Screw SM11/64 × 40 L=12	2
13	9008013	活动刀	Motional knife	1
14	138052	内六角沉头螺钉SM11/64 × 40 L=5	Screw	2
15	9008015	连杆	Lever	1
16	118053	连杆螺钉SM3/16 × 32	Screw SM3/16 × 32	2
17	126051	螺母SM3/16 × 32	Nut SM3/16 × 32	1
18	9008018	切线连杆	Tangent link	1
19	9008019	驱动柄止动块	Drive handle stop block	1
20	106096	内六角圆柱头螺钉SM3/16 × 32 L=15	Screw SM3/16 × 32 L=15	1
21	9008021	弹簧	Spring	1
22	9008022	切刀驱动曲柄轴	Driving crank shaft	1
23	9008023	驱动曲柄轴衬套	Drive crankshaft bushing	1
24	9008024	切线轴套	Bushing	1
25	116108	内六角紧定螺钉SM15/64 × 28 L=7	Screw SM15/64 × 28 L=7	1
26	9008026	切线凸轮曲柄组件	Crank asm	1
27	9008027	滚柱轴组件	Rolling pin	1

8.切线装置部件/Thread trimmer components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
28	126053	螺母	Nut	1
29	115144	开槽紧定螺钉SM1/4 × 40 L=8	Screw SM1/4 × 40 L=8	1
30	9008030	切线轴	Shaft	1
31	9008031	扭簧端盖	Cover	1
32	9008032	弹簧	Spring	1
33	9008033	电磁铁缓冲垫	Electromagnet cushion	1
34	202044	轴卡簧	Spring	1
35	9008035	切线电磁铁	Magnet	1
36	9008036	切线磁铁支架	Magnet bracket	1
37	9008037	垫圈	Washer	1
38	126312	M6 × 0.5I型螺母	M6 × 0.5 I Nut	1
39	9008039	切线电磁铁顶销	Solenoid pin	1
40	101115	复合槽螺钉SM15/64 × 28 L=14	Screw SM15/64 × 28 L=14	2
41	908045	14P插头	14P Plug	1
42	126256	切线电磁铁螺母	Nut	2
43	203006	切线电磁铁螺母垫圈	Washer	2
44	9008052	刀架压板垫块	Holder platen block	2
45	908053	14P护套	14P Sheath	1
46	9008057	凸轮垫片	Cam gasket	1
47	9008059	油管夹弹簧	Spring	1
48	9008059A	油管夹弹簧	Spring	1

10.油盘、润滑分组件/Oil reservoir & Lubrication components



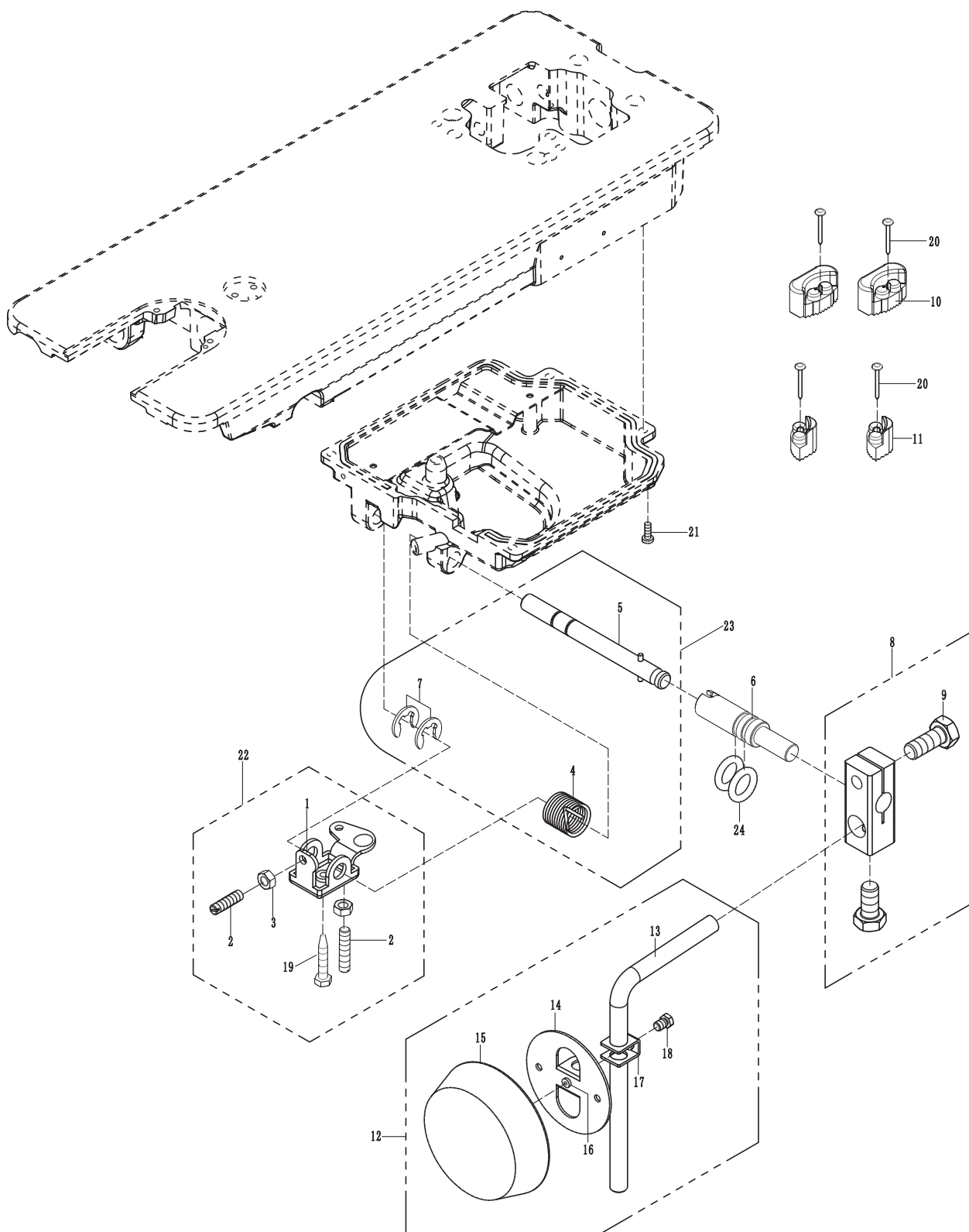
10.油盘、润滑分组件/Oil reservoir & Lubrication components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	9010001A	油泵组件	Oil pump asm	1
2	9010002A	油泵安装板	Oil pump installing base	1
3	185209X	十字槽盘头螺钉M3×6	Screw M3×6	3
4	9010004	止动垫圈	Seal	3
5	9010005	油泵体	Oil pump	1
6	9010006	油泵体衬套	Oil pump bushing	1
7	9010007	油泵叶轮	Oil pump impeller cover	1
8	9010008	油泵叶轮托板	Oil pump impeller cover	1
9	9010009	油泵盖	Lubricating oil pump cover	1
10	9010010	油泵盖螺钉ST3	Screw ST3	3
11	9010012	回油柱塞	Plunger	1
12	9010013	柱塞簧	Plunger spring	1
13	9010014	柱塞螺钉	Plunger screw	1
14	110115	开槽外六角螺钉SM15/64X28 L=14	Screw SM15/64×28 L=14	1
15	110063	开槽外六角螺钉SM11/64X40 L=12	Screw SM11/64×40 L=12	1
16	9010017	油泵连接螺柱	Oil pump connecting rod	1
17	202059	E型卡簧	E type clamping spring	1
18	9010020	供油管接头	Rubber joint	1
19	9010021B	上轴供油管（加长）	Main shaft oil tube（Lengthened）	1
20	9010025F	回油管（680）	Oil return tube（680）	1
21	101072	复合槽螺钉SM3/16×28 L=6	Screw SM3/16×28 L=6	1
22	9010028	回油除尘毡	Oil return dust felt	1
23	9010029	回油毡	Oil felt felt	1
24	9010030	回油毡夹	Oil felt clamp	1
25	201037	油泵螺钉垫片	Washer	1
26	9001026A	回油管夹（加长）	Oil tube clamp	1
27	51040B	油盘(D7加长)	Oil reservoir（D7 Lengthened）	1
28	51042	油盒浮标	Oil tank buoy	1
29	51042B	油盒浮标组件	Oil tank buoy asm	1
30	103154	放油螺钉	Screw	2
31	60903	放油螺钉O型圈	O-Ring	2
32	9010068	接油盒	Oil tank	1
33	9010069	接油盒垫	Oil tank pad	1

10.油盘、润滑分组件/Oil reservoir & Lubrication components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
34	9010070	隔油板	Oil barrier	1
35	9010071	小油管夹	Small tubing clamp	3
36	9010072	油管接头	Hose connector	1
37	0306023	柱塞	Plunger	1
38	0306024	柱塞簧	Plunger spring	1
39	1810093	油管接头	Hose connector	2
40	209039	油量调节螺钉O型圈	O-Ring	1
41	130309	240328过油螺钉	Screw 240328	1
42	414002	红色垫片	Red gasket	2
43	9010082	油毡	Oil felt	1
44	9010085	油毡压板	Linoleum pressure plate	1
45	139208	自攻螺钉ST3×6	Screw ST3×6	2
46	139214	自攻螺钉ST3×12	Screw ST3×12	6
47	2502005A	油窗	Oil window	1
48	102260	复合槽圆柱头带垫片螺钉M4×8	Screw M4×8	2
49	9010093	油量调节螺钉M5×0.5	Screw M5×0.5	1
50	9010094A	油量调节套	Oil adjustment sleeve	1
51	9010025G	接油管（240）	Oil return tube(240)	1
52	9010025H	吸油管（370）	Oil return tube(370)	1
53	51042-1A	浮标指示条	Buoy indicator bar	1
54	9011001C	油盘组件	Extended Oil reservoir asm	1
55	9010100A	油量调节套弹簧	Oil adjustment sleeve spring	1
56	1909022	柱塞螺钉	Screw	1
57	9010104	油嘴	Oil nozzle	1
58	9010107A	油盘盖（D7加长）	Oil pan cap（D7 Lengthened）	1
59	9010108	油泵接油套	Oil pump connecting sleeve	1
60	139267	自攻螺钉ST3.9×15	Screw ST3.9×15	13
61	9010110I	出油管（470）	Oil return tube(470)	1
62	9010113	接油盒垫堵油橡皮塞	Rubber plug	1
63	9010108	油泵接油套	Oil pump connecting sleeve	1
64	139244	自攻螺钉ST3.5×16	Screw ST3.5×16	13
65	9010113	D7接油盒垫堵油橡皮塞	Rubber plug	1

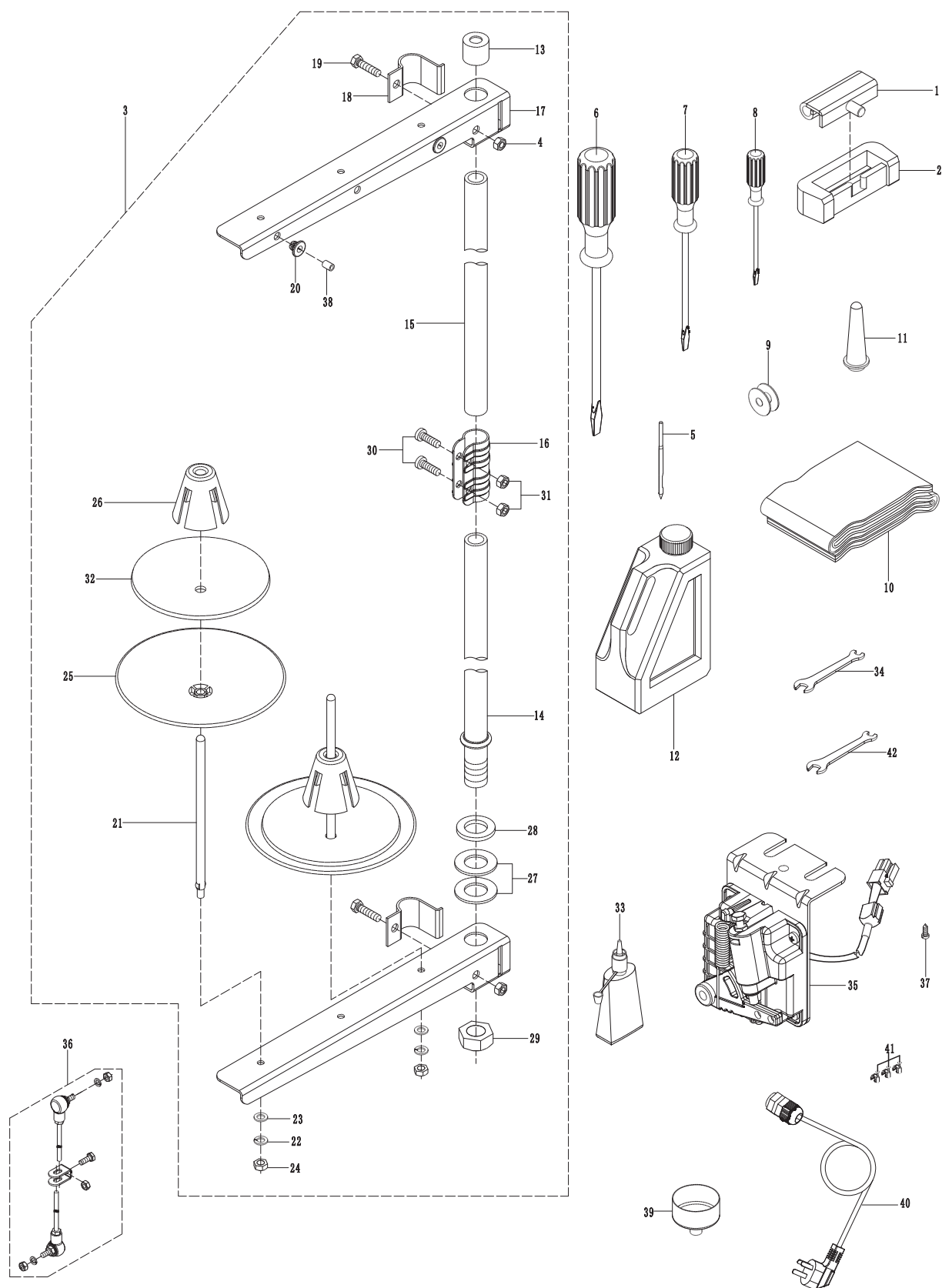
11.油盘、膝抬压脚部分组件/Oil reservoir & knee lifter components



11.油盘、膝抬压脚部分组件/Oil reservoir & knee lifter components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	9011007A	抬压脚双向曲柄	Knee lifting crank	1
2	114318	双向曲柄限位调节螺钉M6×20	Screw M6×20	2
3	126313	双向曲柄限位调节螺母M6	Nut M6	2
4	51046	双向曲柄扭簧	Knee lifter spring	1
5	51043A	膝控内轴	Knee control inner shaft	1
6	51044A	膝控外轴	Knee control outer shaft	1
7	202059	抬压脚轴E型卡簧	E type clamping spring	1
8	51012	抬压脚操纵杆接头	Press foot lifter lever connector	1
9	108340	操纵杆接头螺钉 M8	Screw M8	2
10	53011	大防震垫	Big shock pad	2
11	53012	小防震垫	Small shock pad	2
12	85009	操纵杆组件	Control rod assembly	1
13	85002A	操纵杆	Control rod assembly	1
14	85003	操纵板	Control plate	1
15	85004	操纵杆软皮垫	Pad	1
16	85005	操纵杆垫	Pad	1
17	85006	操纵杆节头	Press foot lifter lever connector	1
18	108310	节头螺钉 SM15/64×28 L=15	Screw SM15/64×28 L=15	1
19	132321	六角头长圆锥螺钉	Screw	1
20	70001	圆钉	Rivets	4
21	101288	复合槽螺钉M5×12	Screw M5×12	4
22	51049A	膝控双向曲柄组件（四自动）	Knee controlled two-way crank assmbly	1
23	51050	膝控轴组件	Knee control shaft assmbly	1
24	209107	送料调节螺柱O型圈	O-Ring	2

12.附件、过线架分组件/Accessory & thread stand components



12.附件、过线架分组件/Accessories & thread stand components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
1	57001	机头连接钩部件	Hinge component	2
2	58001	机头连接钩座	Hinge base	2
3	29005	线架组件	Thread stand asm	1
4	29006	螺母	Nut	2
5	37006	机针 DB × 1 × 14#	Needle DB × 1 × 14#	3
6	10001	螺丝刀 (大)	Screw driver, large	1
7	10002	螺丝刀 (中)	Screw driver, medium	1
8	10003	螺丝刀 (小)	Screw driver, small	1
9	38001	梭芯	Bobbin	2
10	30013	加长机头罩 35 × 75	Machine head cover	1
11	56001	机头支柱	Machine rest pin	1
12	11001	油箱部件	Oil reservoir asm	1
13	29007	线架杆顶防护橡皮	Spool rest rod rubber cap	1
14	29008	线架杆下节	Threading rod lower section	1
15	29009	线架杆上节	Threading rod upper section	1
16	29010	线架杆接头	Connector	1
17	29011	线架过线杆	Spool rest rod rubber cap	2
18	29012	线架过线夹	Thread stand arm joint	2
19	29013	线架过线夹螺钉M6 L=16	Screw M6 L=16	2
20	29014	过线圈	Thread guide ring	2
21	29015	线盘钉	Screw	2
22	29016	线盘钉弹簧垫圈	Spool spring washer	2
23	29017	线盘钉垫圈	Washer	2
24	29018	线盘钉螺母	Nut	2
25	29019	线盘	Spool rest	2
26	29020	线团防松垫	Spool retainer	2
27	29021	线架杆紧固螺母垫圈	Washer	2
28	29022	紧固螺母弹簧垫圈	Washer	1

12.附件、过线架分组件/Accessories & thread stand components

序号 Ref.no	零件号 Part.no	名 称	Name of spare parts	数量 Qty
29	29023	线架杆紧固螺母 M16 × 1.5	Screw M16 × 1.5	1
30	29024	线架杆接头螺钉 M5 L=14	Screw M5 L=14	2
31	29025	接头螺母 M5	Nut M5	2
32	29026	线盘垫	Spool rest cushion	2
33	11003	小油壶	Small oiler	1
34	14006	双头扳手11-14#	Wrench 11-14#	1
35	60098	D7脚踏板	Pedal	1
36	60027	脚踏板拉杆组件	Foot pedal lever assembly	1
37	139319	脚踏板螺钉ST4.8 × 20	Pedal screw ST4.8 × 20	3
38	29014-1	锁紧卡固	Locking and fastening	2
39	12001	油斗	Oil hopper	1
40	60099	电源线	Power supply cord	1
41	60071	白色木螺钉	Screw	3
42	14007	双头扳手8-10#	Wrench 8-10#	1



浙江南邦科技有限公司

ZHEJIANG NANBANG TECHNOLOGY CO.,LTD.

地址：浙江省乐清市虹桥镇信岙工业区信河路75号
No.75, Xinhe Road, Xin'ao Industrial Zone,
Hongqiao, Yueqing, Zhejiang, China

电话：+86-577-61385679

传真：+86-577-62320200

网址：<http://www.nanbang.me>