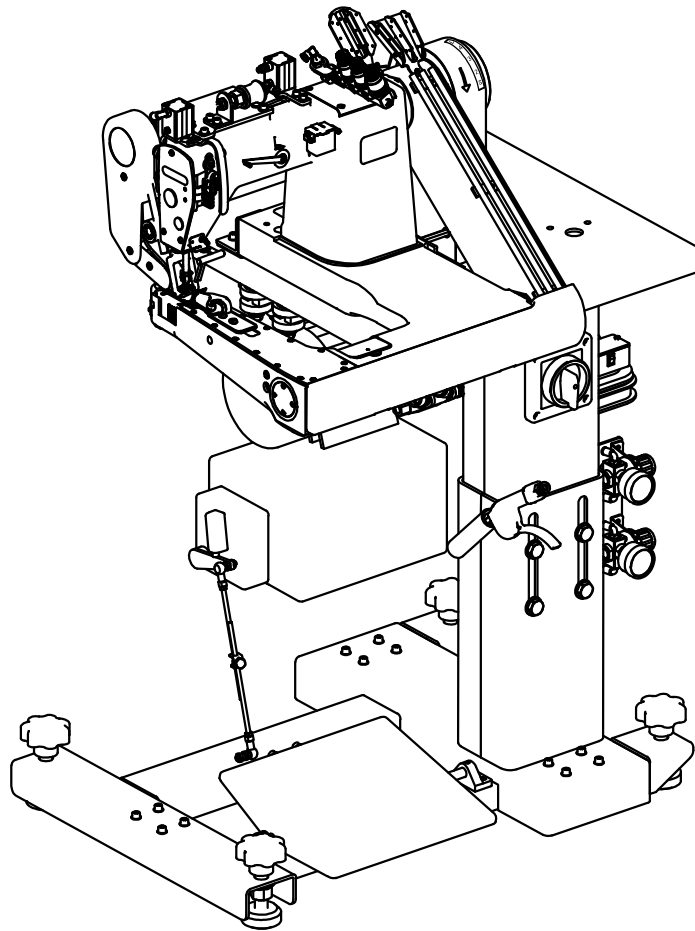


高速多功能曲腕机

High Speed Multi-Function Wrist Bending Machine



使用说明和零件手册

INSTRUCTION MANUAL AND PARTS LIST

使用说明 INSTRUCTION MANUAL

目 录

安全手册

SAFETY OPERATION

1、安全标志及其定义	
Safety symbols and definitions	1
2、警告牌及指示标识	
Warning label and show tag	1
3、安全措施的基本概念	
Basic concept for safety measures	2
1)、应用和目的	
Application and purpose	2
2)、工作环境	
Working environment	2
4、安全操作及其注意	
Safety operation and advert	3
1)、拆箱和运输	
Unpacking and transportation	3
2)、安装及准备	
Installation and preparation	3
3)、操作注意事项	
Operation advert item	3
4)、保养与检修	
Maintenance inspection and repair	4

使用说明书

INSTRUCTION MANUEL

1、警告牌及指示标识	
Warning label and show tag	5
1)、警告标识	
Warning symbol	5
2)、转向标识	
Direction of operation	5
3)、地线标识	
Earth wire symbol	5
4)、安全装置	
Safety devices	5
2、零部件名称	
Names of major parts	6
3、机器规格	
Machine Specification	8
4、台板与电机	
Work table and motor	9
1)、台板	
Work table	9
2)、电机与皮带	
Motor and V-belt	10
5、安装	
Installation	11
1)、机器安装简述	
Installation of sewing machine	11

2)、地线连接	Ground wire connections	13
3)、线架的安装	Cotton stand	13
4)、机器的润滑	Lubrication	14
5)、检测皮带轮转动的方向	Checking the machine pulley rotating direction	15
6、缝纫前的准备	Correct Operation	16
1)、针和线	Needles and Threads	16
2)、针的安装	Installing the Needles	16
3)、穿引下线	Threading the lower threads	17
4)、穿引上线	Threading the upper threads	17
7、缝纫	Sewing	18
8、缝制的调节	Thread Tension	19
1)、调节线的松紧	Adjusting the thread tension	19
2)、总进气压力调节	Total enter air pressure the dint regulate	19
3)、压脚和拖轮压力调节	Presser Foot and Drag along a round Pressure Adjustment	20
4)、压脚和拖轮抬起切换	Press feet and drag along a round to lift to cut over	20
5)、机针冷却流量调节	The machine needle cool off discharge to regulate	20
6)、调节缝迹的长度	Stitch Length Adjustment	21
9、清洗处理	Cleaning	23
1)、日常清洗	Daily cheaning	23
2)、机臂润滑	The machine arm lubricate	23
3)、机头润滑	The machine head lubricate	24
10、调节标准	Standard adjustments	25
1)、调节针杆	Needles bar height adjustment	26

2)、调节针和挑线叉	
Needle and looper timing adjustment	27
3)、调节挑线叉和机针的间隙	
Timing of loopers running clear of needles	28
4)、调节挡针块	
Needle guard adjustment	29
5)、送料齿高度的调整	
Feed dog height adjustment	30
6)、调整上打线器	
Upper thread take-up thread guide adjustment	30
7)、松线轴的调整	
Thread release shaft adjustment	31
8)、下打线器调整	
Lower thread take-up timing adjustment	31
9)、安装卷边器	
Installing the lapper	32
10)、拖轮的调节	
Drag along a regulate of round	32

安全手册 SAFETY OPERATION

1、安全标志及其定义

Safety symbols and definition



- (1)、警告、注意标志:操作机器时,注意周边各相关部件或装置,以避免由此部件或装置引起的损伤.

Warning、caution symbol:When you are operating the machine,please pay attention to the related parts or devices,to avoid get hurt by these parts or devices.



- (2)、警告、小心标志:机器操作时,注意运动部件或装置,避免手或其他人身部位受到损伤.

Warning、be careful symbol:When the machine is running,please pay attention to the moving parts or devices,to avoid the hands or body get hurt.



- (3)、接地线标志:机器操作时,确保与地线相连接.

Earth wire symbol:When the machine is running,please make sure the machine is connecting well with the earth wire.

2、警告牌及指示标识

Warning label and show tag



- (1)、护手装置:机器操作时,注意运动部件或装置,避免手或其他人身部位受到损伤.

Finger guide:When the machine is running,please pay attention to the running parts or devices,to avoid the hands or body get hurt.



- (2)、地线标识:确保地线接地良好,以避免由于环境或其它因素产生的静电影响人身安全.

Earth wire symbol:Make sure the earth wire is connecting well,to avoid affect people's safety by environment or static from other factors.



- (3)、转向标识:机器操作运转时确保机器正确的转向,以避免由此引起的机器损坏.

Turning symbol:When the machine is running,please make sure the machine's running direction is correct,to avoid the machine get damage by this problem.



- (4)、警告标识:机器操作运转时,确保各(如:挡针板、皮带护罩、接地线等)防护部件按装到位,以保证人身安全.

Warning symbol:When the machine is running,please make sure (eg:needle guard、belt cover、earth wire ect.)the parts are in the correct places,to assure people's safety.

3、安全措施的基本概念

Basic concept for safety measures

1)、应用和目的

Application and purpose

本公司所开发的缝纫机是为提高缝制行业的生产效率，提升产品质量。不推荐您使用与上述使用目的不相符合的缝纫机。

The industrial sewing machine developed by our company is for improving production's efficiency in sewing business,we don't recommend you to use the sewing machine which is not the same purpose for you sewing.

2)、工作环境

Working environment

(1) 不适合在温度与湿度较极端的工作环境。

The machine is not suitable for working in the extremely temperature and humidity environment.

(2) 不适合在户外，或光线照射较强的地方。

The machine is not suitable for working in outdoor,or the place where is strong sunlight.

(3) 不适合在带有灰尘，腐蚀性、放射性物质的环境中。

The machine is not suitable for working in the environment where is full of dust,or have causticity or radioactivity matter.

(4) 不适合在电压起伏超过上下10%幅度。

The machine is not suitable for working if the fluctuation of the voltage is exceed 10 %.

(5) 不符合马达规格标准的电压供电。

The machine is not suitable for working if the voltage not in accordance with the motor's standard.

(6) 不适合在高电流转换器，高频率焊机产生强电流、强磁声的区域内。

The machine is not suitable for working in the areas where is high electric current transducer,or strong electric current、strong magnetic-acoustic from high frequency soldering machine.

4、安全操作及其注意 Safety operation and advert

1)、拆箱和运输 Unpacking and transportation

- (1) 放置或转运时确认机器与向上标记摆放一致，拆箱时从箱子顶部打开。
When the machine is putting or transporting please make sure it is the same direction with the up sign, and unpacking the machine at the top of the carton.
- (2) 从箱子里取出机器时，不要用手握住靠针的部位。
When you are taking out the machine from the carton, please don't catch the place which is near of the needle by your hands.
- (3) 有车辆搬运时，切勿使机器遭受强烈震动或撞击。
Please don't let the machines get strong shock or hit when the machines are transporting.

2)、安装及准备 Installation and preparation

- (1) 确保台板安装坚固，避免台板在承重时由于安装不到位引起的状况。
Make sure the table is installed firmly, to avoid the table can't bear the weight because of the installation's mistake.
- (2) 安装摆放机器时，选择适当的光线与合理的摆设以保证舒适的工作环境。
Choose the proper sunlight place or reasonable place to installation the machine so make sure the environment comfortable.
- (3) 根据电机的使用说明来正确安装电机。
According the motor's instruction to install the motor.
- (4) 在未完成安装前，切勿触接电源。
If the installation is not completely finished, please don't connect the electric power.
- (5) 谨慎安装电线，连接好机器、电机和带电装置。
Install the wires carefully, and connect the machine、motor、and electrification devices well.
- (6) 不要在带电电路上放置、施加任何物体。
Don't put anything on the electrification wires.
- (7) 电线需远离驱动器。
The wires should be far away from the drive.
- (8) 连接好接地线。
Connecting the earth wire well.
- (9) 对操作的员工需进行安全与技能方面的培训，以保证机器的正确使用与安全
的操作。
The operators should be get a safety and skilled training, to make sure the correct and safety operation.

3)、操作注意事项 Operation advert item

- (1) 切不可使润滑油、硅油等溅到眼睛。
The lubricant oil and silicon oil can not be spattered in the eyes.
- (2) 在添加润滑油时，应使用本机专用的润滑油。
Use the special lubricant oil when you are lubrication.

- (3) 在接通电源时，切不可把手放到机器的运动部件上。
You can not put your hands in the moving parts when you want to turn on the electric power.
- (4) 操作前确保机器转向与机器转向标志一致。
Make sure the machine's turning direction is the same with the turning direction sign before you operate.
- (5) 如果机器配备了皮带护罩、挡针板等防护装置时，确保这些安全设备都已装配。
If the machine have belt cover、needle guard、ect please make sure they are all installed.
- (6) 使用机器时，手指、头发等切勿靠近机针或其它运动部件。
Don't let your fingers、hair、ect near of the needle or moving parts when you are operating the machine.
- (7) 穿线、换机针时，首先需关闭电源。
Turn off the electric power before you threading or changing the needle.
- (8) 不使用机器时，一定要记得关闭电源。
Turn off the electric power when you don't need use the machine.
- (9) 使用时，如遇到任何故障或有异常声响与气味，要立即切断电源。
When you are operating the machine,if the machine get any problems or unusual noise or strange smell,please turn off the electric power immediately.

4)、保养与检修

Maintenance inspection and repair

- (1) 保证机器的维护与维修由专门的技术人员来完成。
Machine's maintenance inspection and repair should be finished by special technicians.
- (2) 对机器的维护与维修必需在切断电源的状态下进行。
Turn off the electric power before to maintenance inspection and repair.
- (3) 如果使用离合器马达，注意需将马达余电使用完后进行。
If use clutch motor,please make sure the motor's electricity is out.
- (4) 维修过程中请使用指定本机专用零部件。
Use the special parts in your maintenance inspection and repair.

使用说明书 INSTRUCTION MANUEL

1、警告牌及指示标识

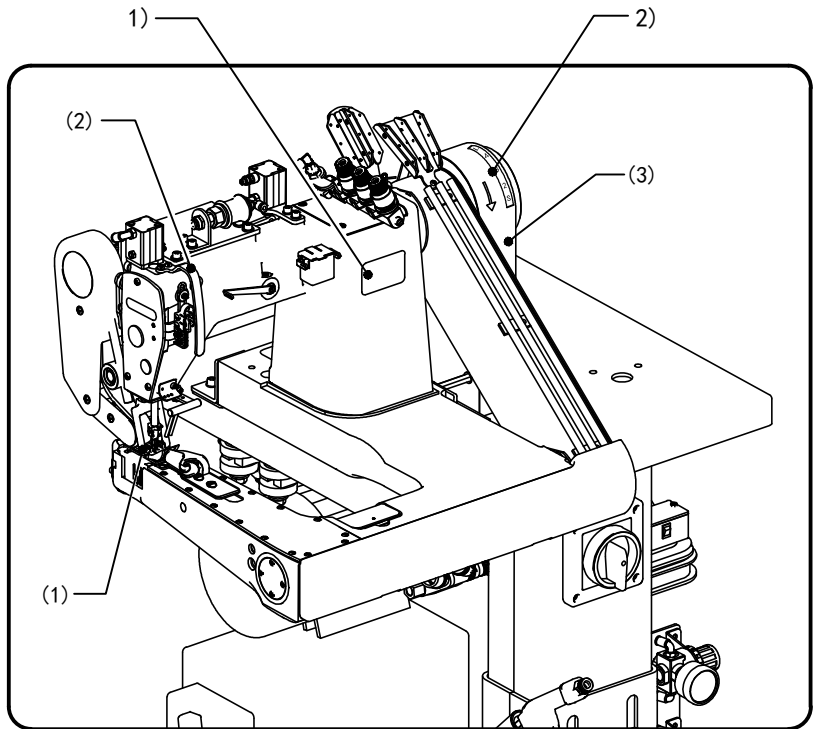
Warning label and show tag

使用机器时请遵循标识操作，若标识脱落或是难以识别，请及时与附近的经销商联系。
Please follow the instruction on the labels at all times when using the machine. if the labels have been removed or are difficult to read, please contact your nearest Brother dealer.

1)、警告标识 Warning symbol



2)、转向标识 Direction of operation

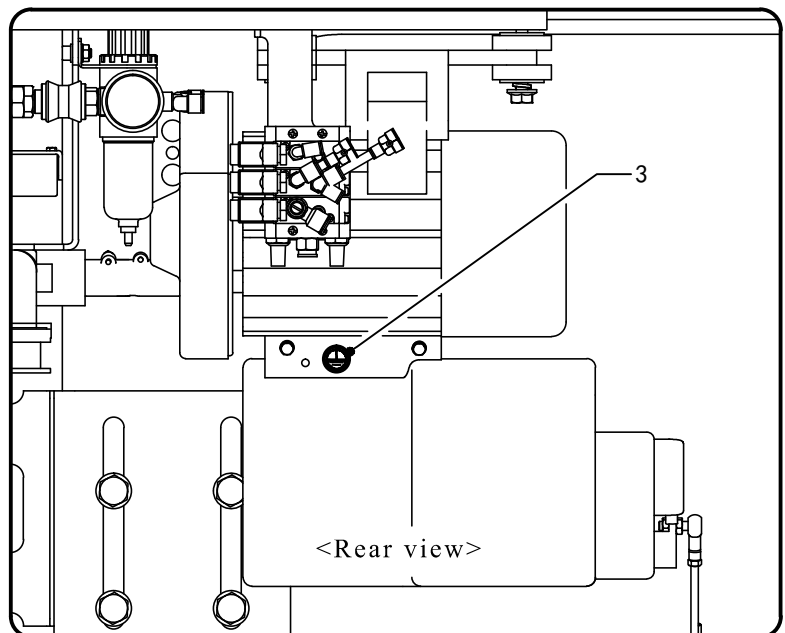


3)、地线标识 Earth wire symbol

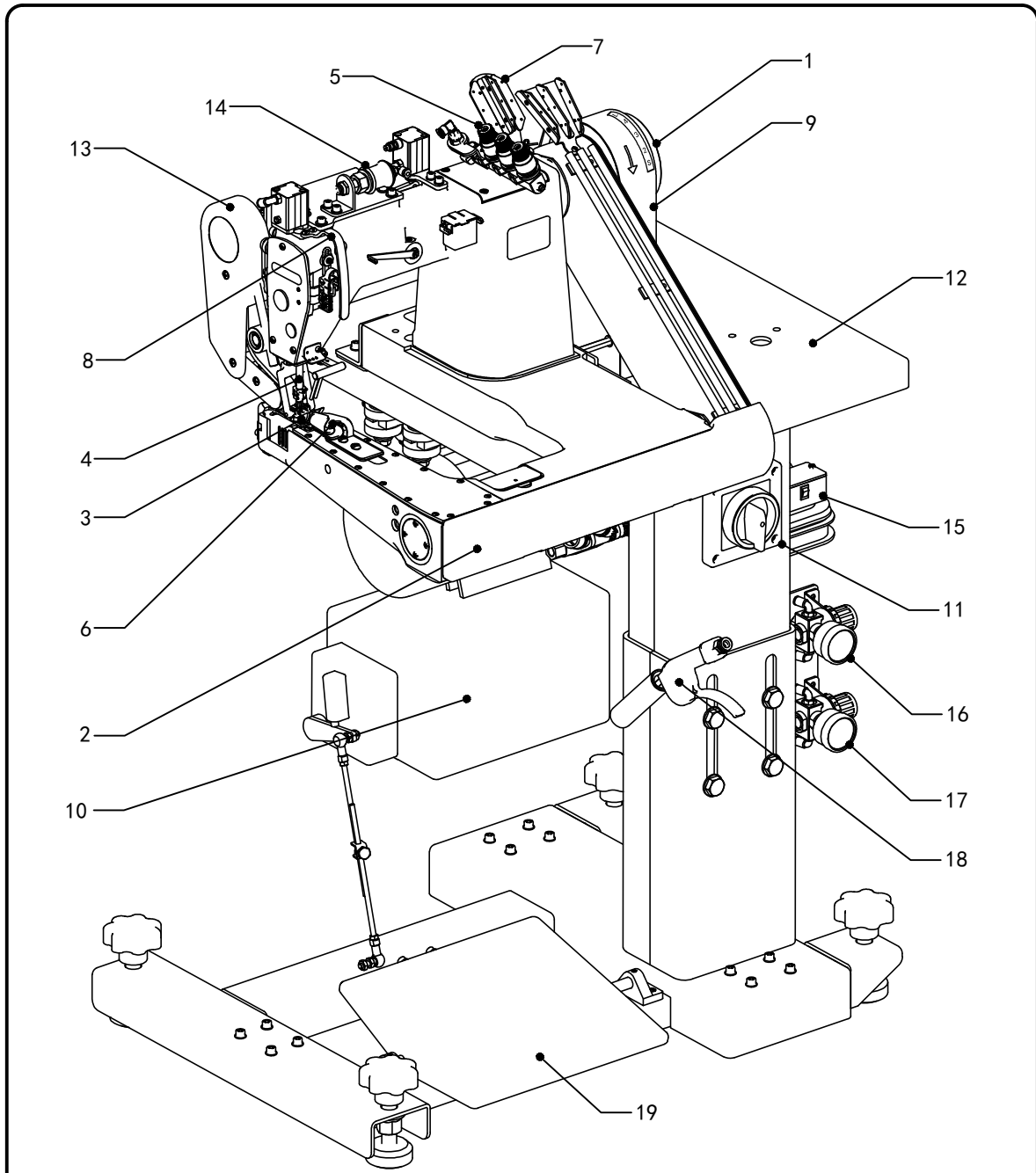


4)、安全装置 Safety devices

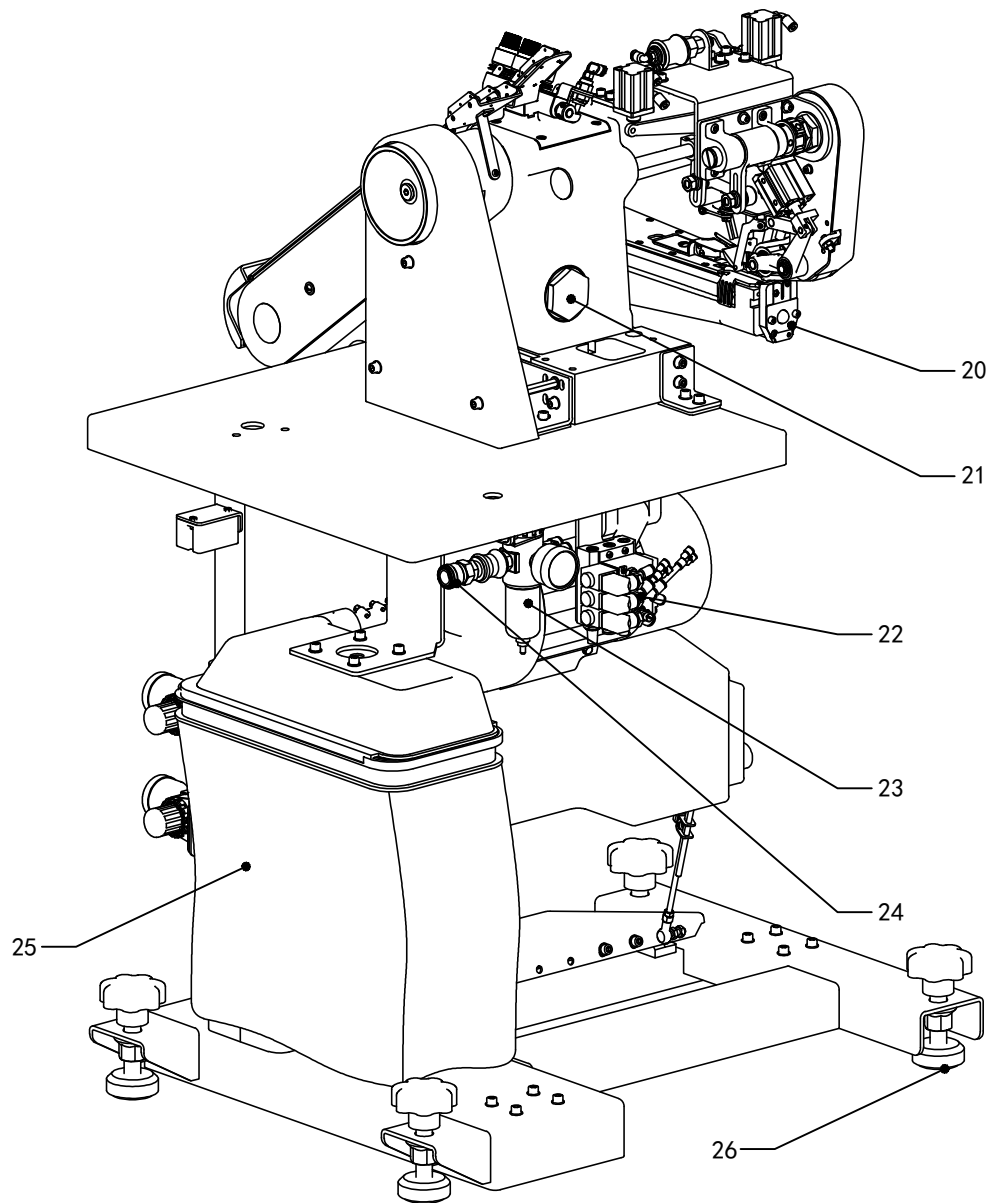
- (1) 护指装置
Finger guard
- (2) 挑线防护装置
Thread take-up cover
- (3) 皮带护罩
Pulley cover, etc



2、零部件名称
Names of major parts



- | | | | |
|--------------------------------|---------------------------------|---------------------------------------|---|
| 1. 皮带轮
Machine pulley | 6. 卷边筒
Lapper | 11. 电源开关
Switching | 16. 压脚压力表
Press a feet manometer |
| 2. 前盖
Front cover | 7. 引线装置
Thread take-up cover | 12. 钢结构台板
Steel table | 17. 拖轮压力表
Press a Assistance round manometer |
| 3. 压脚
Presser | 8. 护手装置
Finger guard | 13. 辅助拖轮
Assistance round | 18. 气枪
Blow air gun |
| 4. 针杆
Needle bar | 9. 滑轮盖
Pulley cover | 14. 拖轮控制阀
Assistance round control | 19. 踏板
Pedal |
| 5. 线松紧器
Upper thread nipper | 10. 伺服马达
Motor | 15. 工作灯开关
Light switch | |



- 20. 自动剪刀
Auto scissors
- 21. 油窗
Oil window
- 22. 电磁阀
Electromagnetism valve
- 23. 过滤器
Filter
- 24. 总进气接口
Enter spirit

- 25. 储屑袋
Keep scraps bag
- 26. 脚座
Feet

3、机器规格

Machine Specifications

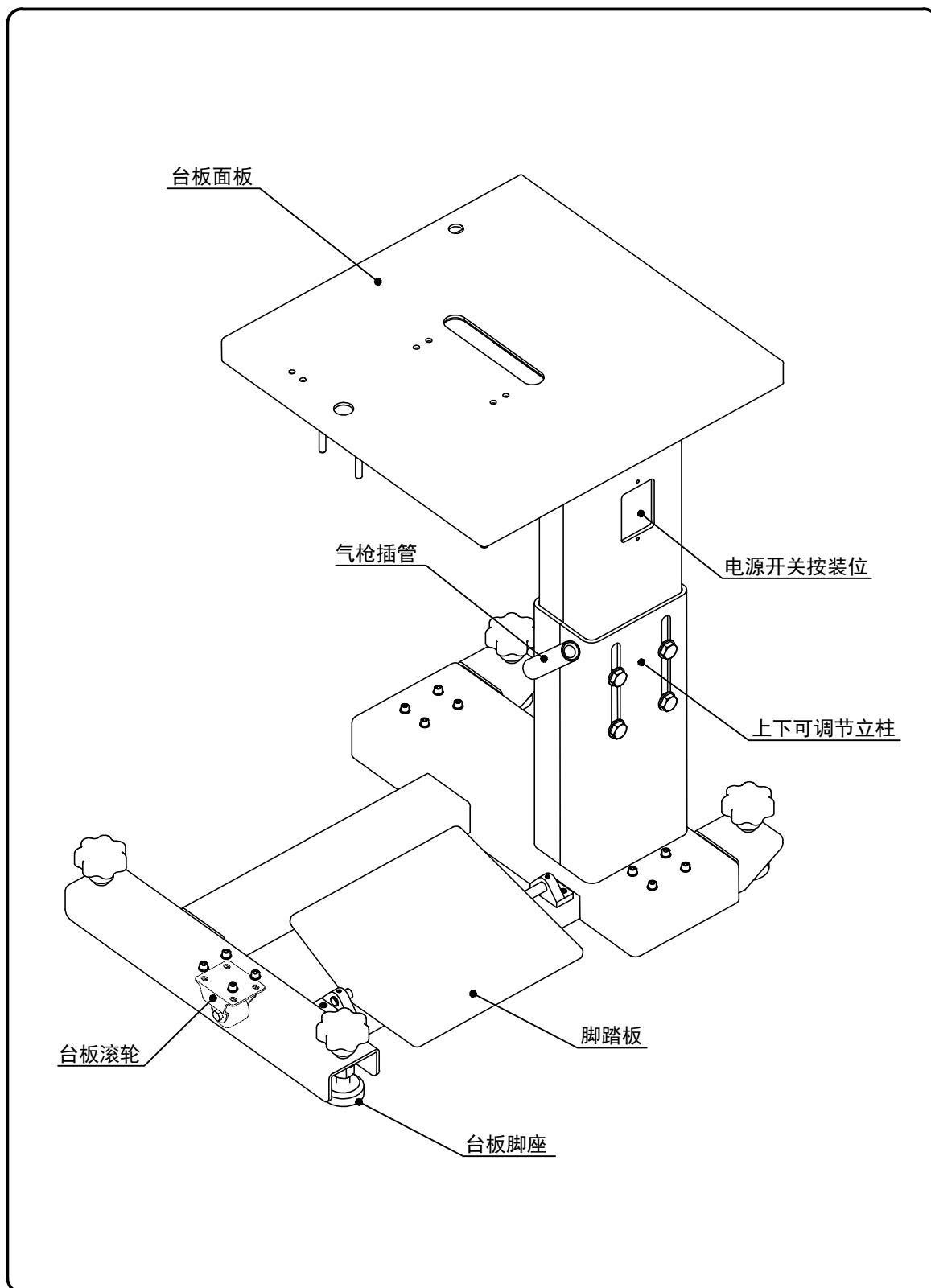
性能规格 Specifications	机种分类 Type			
	双针薄料 Two Needles Thin Materials	双针中厚料 Two Needles Medium Materials	三针中厚料 Three Needles Medium Materials	三针厚料 Three Needles Heavy Materials
最高缝速 (针/分) Max.sewing speed (spm)	4300	4300	4000	4000
最大线迹长度 (mm) Max.stitch length (mm)	3.8	3.8	4.8	4.8
压脚膝提高度 (mm) Feed dog lift height	≥10mm	≥10mm	≥10mm	≥10mm
缝制范围 Stitch Characteristic	薄料 Thin Materials	中厚料 Medium Materials	中厚料 Medium Materials	厚料、极厚料 Heavy Materials
采用机针 Needle	TVx64 14#	TVx64 18#	TVx5 18#	TVx5 21#
采用缝线规格 Thread Type	14 ~ 7.3 tex x 3 (42 ~ 80支/3股), 棉缝线或涤纶缝线			
针间距 (标准) Needle gauge (Standard)	6.35mm	6.35mm	3.17mm	3.17mm
采用电机 Motor	下挂电机600W/750W 或 550W/750W(伺服)直驱电机 Bottom hang Motor 600W/750W OR 550W /750W(Servo) Direct Drive Motor			

正常转速: 双针 3800针/分 三针 3500针/分

Normal sewing speed (spm) : Two Needles 3800 Three Needles 3500

4、台板与电机 Work table and motor

1)、台板 Work table



2)、电机与皮带
Motor and V-belt

⚠ 注意 / CAUTION

- ❗ 所有与电机连接的电源插头要确保与其它任何移动物品保持至少25mm的距离。
All cords which are connected to the motor should be secured at least 25mm away from any moving parts.
- ⊘ 不能过于用力挤压插头，不能用铁制钩环固定电线、电缆，以避免引发火灾等事故。
Furthermore, do not excessively bend the cords or secure them too firmly with staples, otherwise there is the danger that fire or electric shocks could occur.
- ❗ 安装与使用电机相配的正确皮带盖。
Install the correct belt cover which corresponds to the motor being used.
- ❗ 请保证接地线的正确、有效连接，以避免电击事故的发生。
Be sure to connect the ground . if the ground connection is not secure , serious electric shocks will result.

(1) 正确选择电机.

Select the correct motor from those listed in the above table .

(2) 安装使用时，务必参照电机使用手册正确操作.

Refer to the instruction manual for the motor for details on installing and using the motor.

电 机 / Motor
(伺服) 下挂电机 600W (Servo) Bottom hang Motor 600W
(伺服) 下挂节能电机 750W (Servo) Bottom hang economy energy Motor 750W
(伺服) 直驱电机 550W/750W (Servo) Direct Drive Motor 550W

(3) 电机动力与V型带

Motor pulley and V-belt

动力O. D. /Pulley O.D	85	90	95	100	105	110	115	120	125	130
皮带的尺寸 (英寸) Belt size (inches)	← M45 →		← M46 →			← M47 →				
缝速 (分/转)	50HZ				3100			3600		4000
Sewing speed (spm)	60HZ	3100		3600		4000				

(4) 皮带为M类V型带

The belt should be an M-type V-belt.







5、安装 Installation

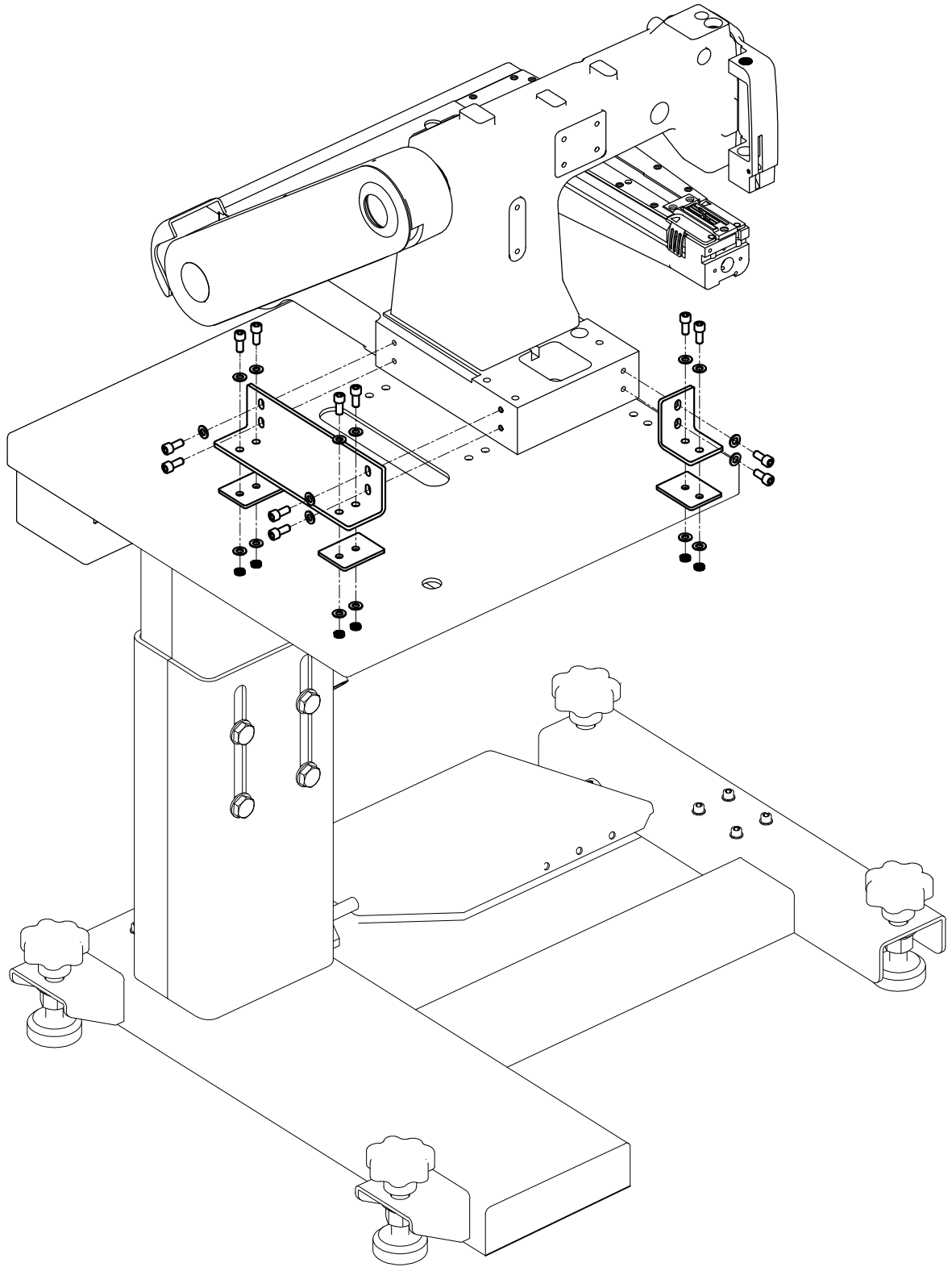
1)、机器安装简述

Installation of sewing machine

- (1) 用螺钉、垫片，把减震垫、侧固定角支架、后固定角支架与台板相联接。
Use sets of bolt ,Reduce earthquake mat, side fix Cape support, empess fix Cape support and bedplate mutually allied connect .
- (2) 将三件圆柱形减震橡胶垫塞入机器底座内，再将机器置于台板上。
Reduce three cylinder form earthquake rubber mat to stuff into a machine base, place machine again at the bedplate.
- (3) 用螺钉、垫片，把侧固定角支架、后固定角支架与机器相联接。
Use sets of bolt ,Side fix Cape support, empess fix Cape support and machine mutually allied connect
- (4) 按图示将机器固定在台板上。
Press the diagram to show machine fix on the bedplate.
- (5) 机器固定安装时确保电机皮带轮与机器滑轮尽量平行, 且无明显偏差。
Assuer the motor belt orller and machine roller in a same lever when fixing the machine.

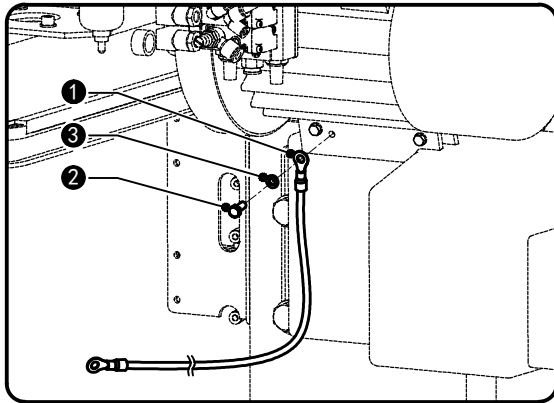
注意 / CAUTION

-  需由专业技术人员安装机器。
The sewing machine should only be installed by a qualified technician.
-  安装布置电线、电缆时需向附近的经销商或电工咨询有关线路的安置问题。
Ask your Brother dealer or a qualified electrician for any electrical work that may need to be done.
-  由于机器质量较重，安装时务必要两人以上共同作业。
The sewing machine weighs more than 49 kg.The installation should be carried out by two or more people.
-  安装完毕后，确认电气线路的安全及机器各运动零部件无干涉或阻碍运动的物体。
Do not connect the power cord until installation is complete,otherwise the machine will operate if the treadle is pressed by mistake,which could result in injury.
-  确保地线的正确、有效连接，以避免可能引发的电击事故。
Be sure to connect the ground . if the ground connection is not secure , serious electric shocks will result.
-  确保皮带护罩、滑轮罩壳的安装。
Install the pulley cover to the machine head.



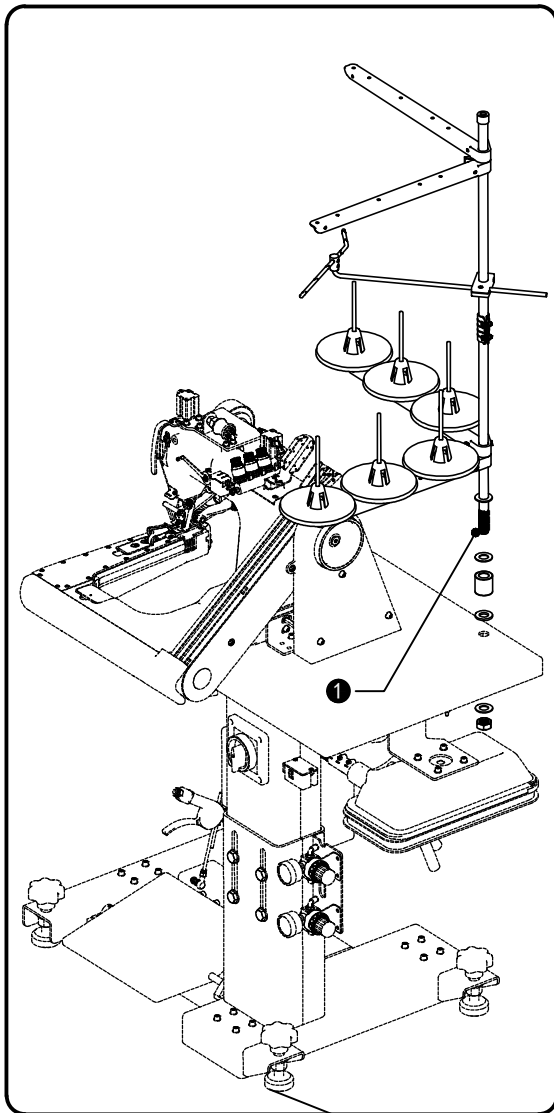
机器台板按装示意图
Machine bedplate press to pack sketch map

2)、地线连接
Ground wire connections



- (1) 按照图示位置正确的连接地线与电机。
Connect the ground wire to the sewing machine head and motor.
(Use the correct type of ground wire and washer)
Remove lower thread guide holder screw (2).
Secure the ground wire (1) to the sewing machine head with screw (2) and washer (3).
Pass the ground wire (1) through the hole in the table.
Connect the ground wire (1) to the motor in accordance with the instructions in the instruction manual for the motor.

3)、线架的安装
Cotton stand



- (1) 按照线架组装说明书组装好线架。
Assemble the cotton stand while referring to the cotton stand instruction manual.
- (2) 把线架安装在台板线架固孔上 (1)。
Install the cotton stand to the cotton stand mounting hole in the work table with nut (1).

4)、机器的润滑
Lubrication

⚠ 注意 / CAUTION

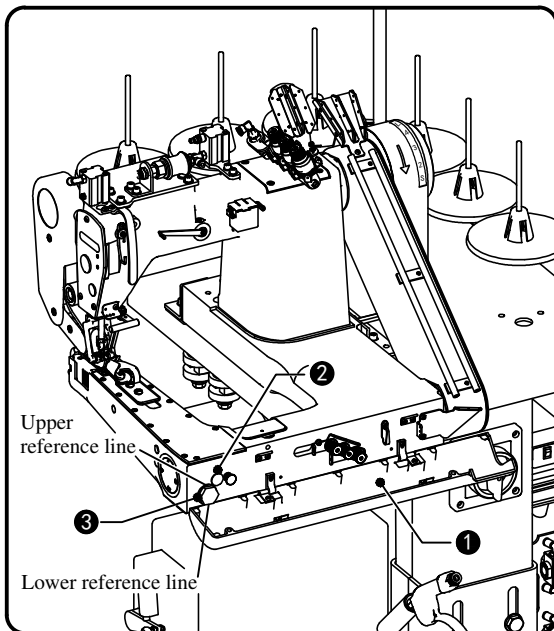
⊘ 加油时，务必带上护目镜和手套，以免油不慎掉入眼睛或是沾到皮肤，而造成伤害。
Be sure to wear protective goggles and gloves when handling the lubricating oil gets into your eyes or onto your skin, otherwise inflammation can result.

在任何情况下，切勿饮用润滑油，否则会导致呕吐和腹泻。

Furthermore, do not drink the oil under any circumstances, as it can cause vomiting and diarrhoea.

润滑油要放在儿童够不到的地方。

Keep the oil out of the reach of children.



* 需定期给机器加润滑油，在机器使用或不使用时，都要保持其有一定的油量，使其在使用时能更好的润滑。

The sewing machine should always be lubricated and the oil supply replenished before it is used for the first time, and also after long periods of non-use.

* 请使用推荐的润滑油。

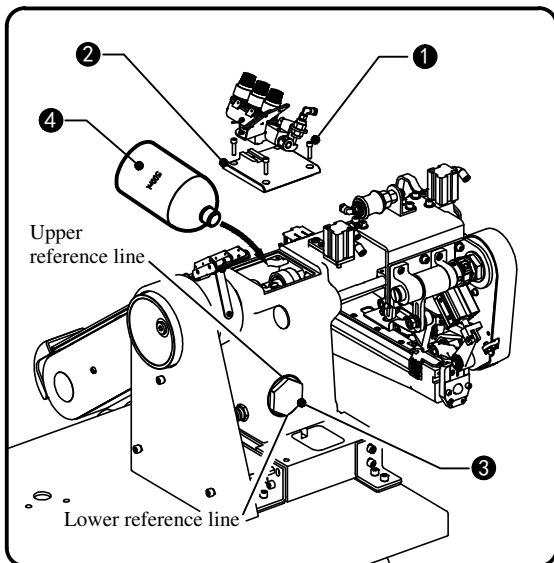
Use only the lubricating oil (Nisseki Sewing Lube 15) specified by Brother.

(1) 打开前盖，取下橡胶塞，往机体里面加注润滑油，直至油量达到油箱指示标签。

Open the front cover ①, remove the rubber plug ②, and then fill with oil until the oil level reaches the point in between the reference lines on the oil gauge ③.

(2) 用3mm的内六角扳手松开4个螺钉 ①，取下顶盖板 ②，往机体里面加注润滑油 ④，直至油量达到油箱指示标签 ③。

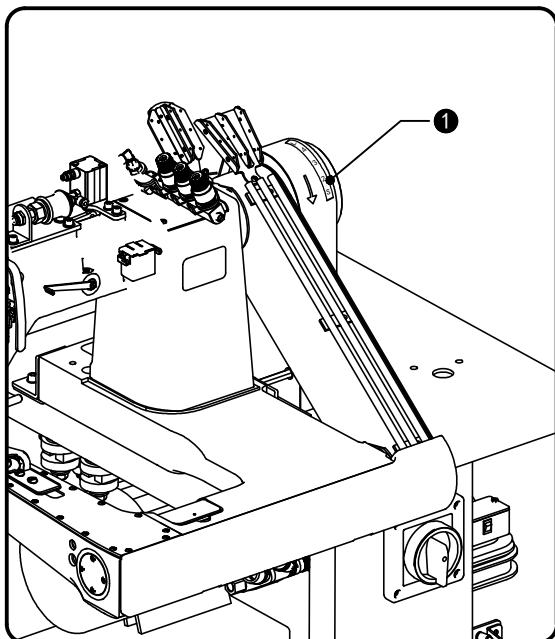
Use a 3 mm of inside hexangular wrench loose open 4 bolt ①, Dismantle a crest cover plank ②, and then fill with oil ④, until the oil level reaches the point in between the reference lines on the oil gauge ③.



5)、检测皮带轮转动的方向
Checking the machine pulley rotating direction

⚠ 注意 / CAUTION

⚠ 缝纫时, 请不要触摸运动零部件或替换机器零部件, 以免造成人身伤害或机器损坏。
Do not touch any of the moving parts or place any objects against the machine while sewing, as this may result in personal injury or damage to the machine.



(1) 插好电源, 开启开关, 轻踩下踏板, 查看皮带轮的转动方向 ①.

Insert the power cord plug into the wall outlet, and then turn on the power switch.

* 若是皮带轮反向转动, 请按照电机说明书重新安装电机.

If the direction of rotation is reversed, change the direction of rotation to the correct direction while referring to the instruction manual for the motor.

(2) 在前3-4天的使用中, 不要使机器运转转速高于2500spm .

For the first 3-4 days of use, do not run the machine at 500 spm lower than the usual speed. This will help contribute to a longer service life for the machine.

6、缝纫前的准备 Correct Operation

1)、针和线 Needles and Threads


针和线的使用根据缝料而定，请正确使用。

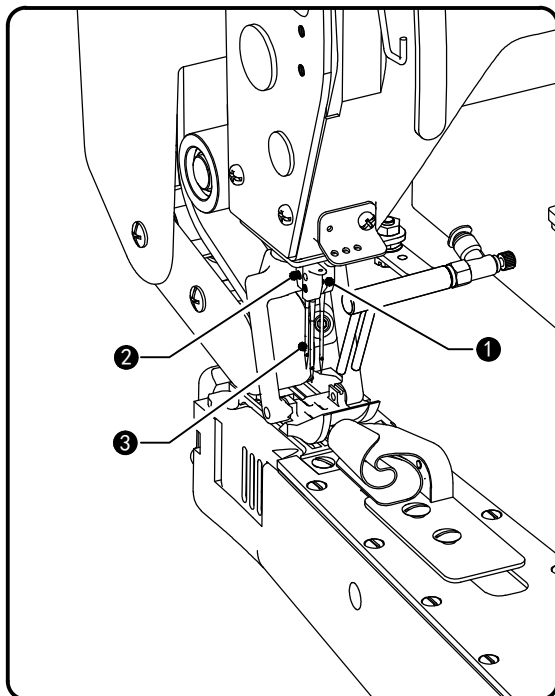
The needle and threads to be used vary depending on sewing conditions. Select the correct ones by referring to the table below.

针/Needle	线/Thread	
	上线/Upper thread	下线/Lower thread
14#	纱线#50	纱线#60
18#	纱线#30	纱线#50
21#	纱线#20	纱线#30

2)、针的安装 Installing the Needles

注意 / CAUTION

 安装机针前，先关闭电源，以免可能会因误踩脚踏板而造成伤害。
Turn off the power switch before installing the needle, otherwise the machine may operate if the treadle is pressed by mistake, which could result in injury.



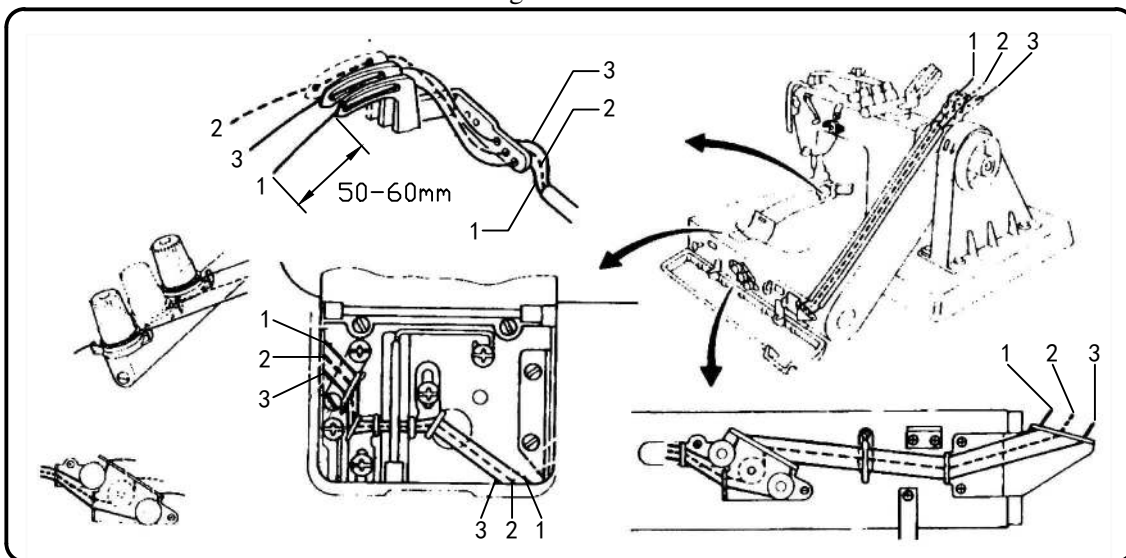
- (1) 转动皮带轮直至针夹 ① 到达最高点。
Turn the pulley until needle holder ① is raised to the highest position.
- (2) 松开机针紧定螺钉 ②，把机针 ③ 塞入针夹 ① 的针孔，旋紧紧定螺钉 ②。
Loosen needle set screws ②, hold needles ③ with their long grooved side facing front, insert them into needle holder ① all the way, and fasten the needle with needle set screws.

3)、穿引下线
Threading the lower threads

⚠ 注意 / CAUTION

⚠ 穿线时,先关闭电源,以免机器可能在不慎情况下开启,造成伤害。
Turn off the power switch before threading the upper thread,otherwise the machine may operate if the treadle is pressed by mistake,which could result in injury.

按照下图的指示穿线
Pass the lower threads as shown in the figure below.

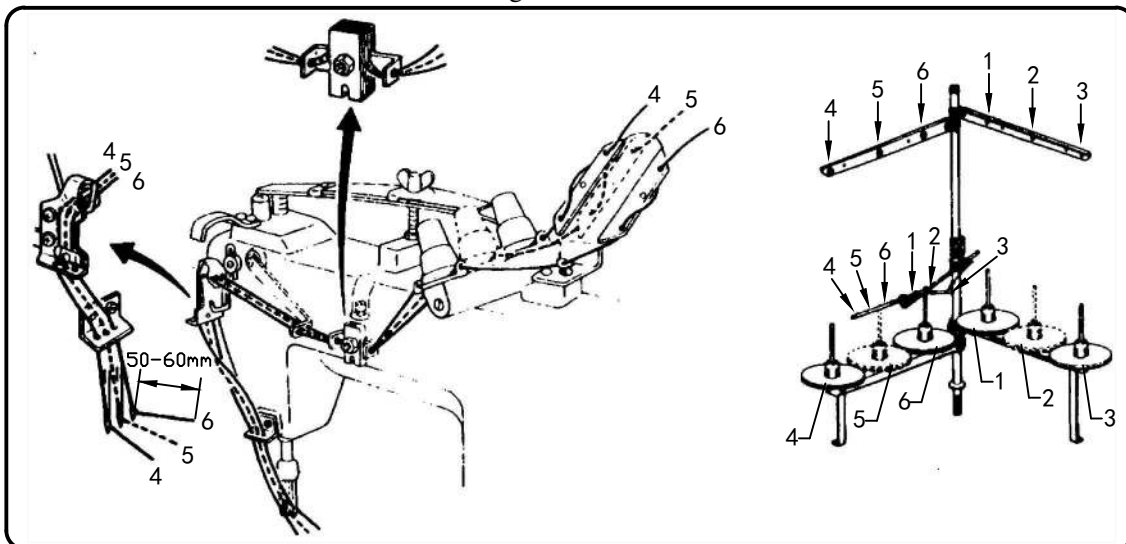


4)、穿引上线
Threading the upper threads

⚠ 注意 / CAUTION




⚠ 穿线时,先关闭电源,以免机器可能在不慎情况下开启,造成伤害。
Turn off the power switch before threading the upper thread,otherwise the machine may operate if the treadle is pressed by mistake,which could result in injury.

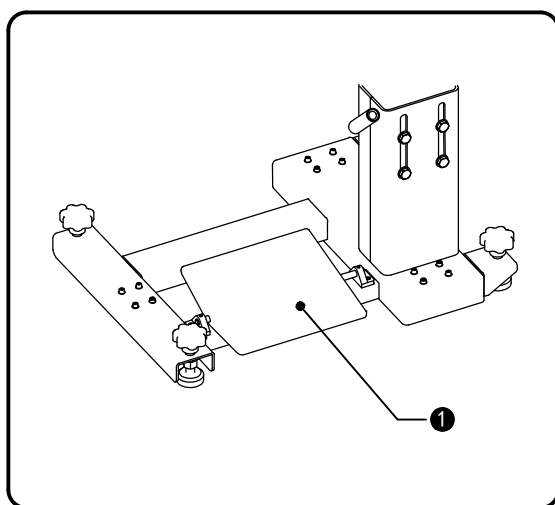
按照下图的指示穿线
Pass the lower threads as shown in the figure below.



7、缝纫 Sewing

注 意 / CAUTION

-  务必在使用前安装好所有的安全装置，以免造成伤害。
Attach all safety devices before using the sewing machine.if the machine is used without these devices attached,injury may result.
-  务必在下面的操作中切断电源，以免不慎操作，造成伤害。
Turn off the power switch at the following times,otherwise the machine may operate if the treadle is pressed by mistake,which could result in injury.
穿线时。
When threading the needle.
换针时。
When replacing the needle.
人离开时。
When not using the machine and when leaving the machine unattended.
-  缝纫时，请不要触摸移动件或替换零部件，以免造成人身伤害或是机器损坏。
Turn off the power switch before threading the upper thread,otherwise the machine may operate if the treadle is pressed by mistake,which could result in injury.



- (1) 后踏抬压脚踏板 ① 抬起压脚，把缝制件放在压脚下，松开抬压脚踏板。

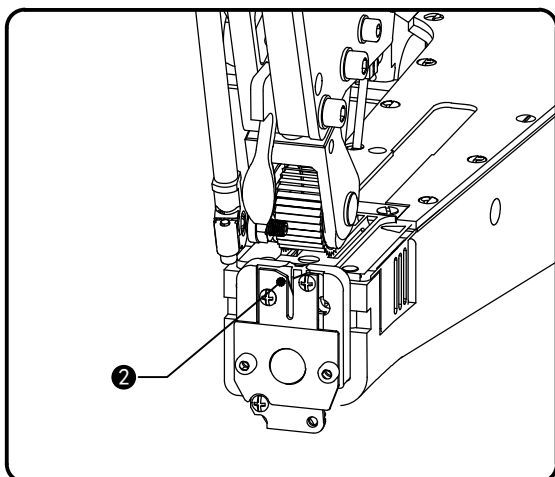
Switch the power on, step down on presser for lifter pedal ①,place a fabric under presser foot,and release presser foot lifter pedal ①.

- (2) 前踏电机踏板 ①，机器开始运行。

Depress treadle ① to start the machine.

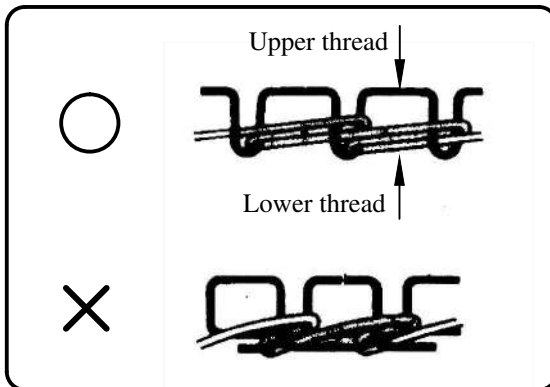
- (3) 缝制结束后，剪断缝线。

After sewing the work,keep sewing until it reaches thread cutter ②,and then cut the threads with thread cutter ②.



8、缝制的调节 Thread Tension

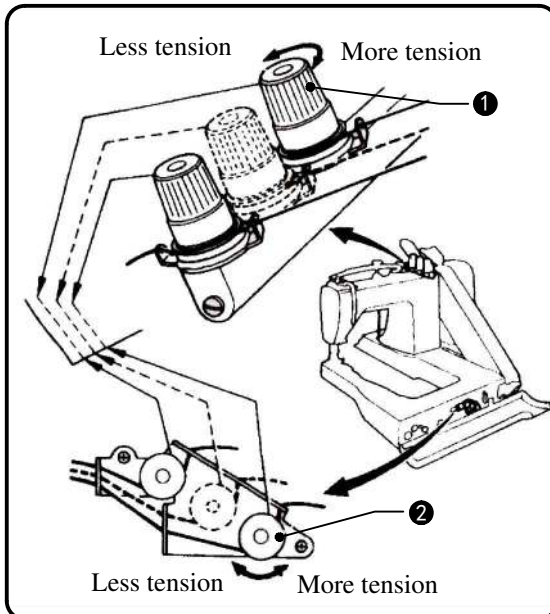
1)、调节线的松紧 Adjusting the thread tension



正确的缝迹/Good stitches

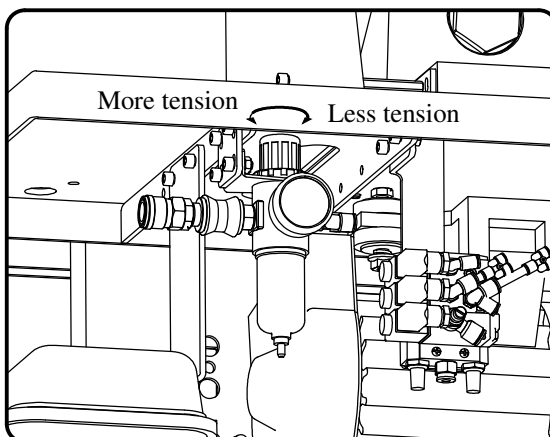
过松的缝迹/Loose , bad stitches

* 根据不同的缝制面料，需要调整面线、底线的松紧，以达到最佳的缝制效果。
Thread tension differs with sewing conditions. Adjust it to suit your particular sewing conditions



- (1) 旋转上夹线器组件螺母，调节上线松紧。
Adjust the upper thread tension properly by turning upper thread adjusting screw ①.
- (2) 旋转下夹线器组件螺母，调节下线松紧。
Adjust the lower thread tension properly by turning lower thread adjusting screw ②.

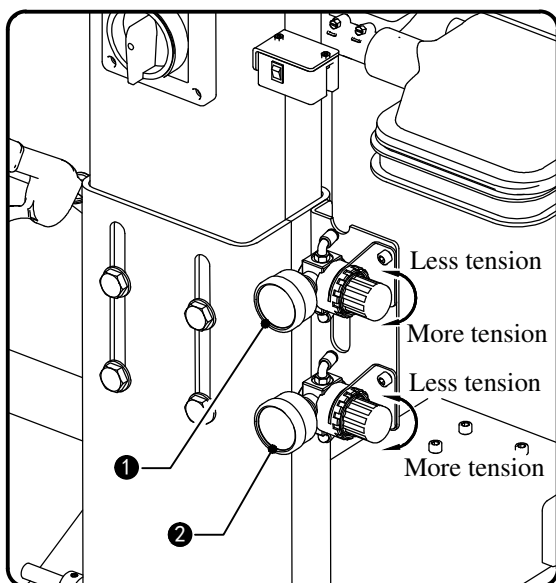
2)、总进气压力调节 Total enter air pressure the dint regulate



- (1) 通过旋转调节旋钮 ①，调整总进气压力，使压力满足合理的缝制作业要求。
Adjust the total enter spirit pressure by turning wing nut ① to such a level that it is just enough to keep the work from slipping .

3)、压脚和拖轮压力调节

Presser Foot and Drag along a round Pressure Adjustment



(1) 通过旋转调节旋钮 ①，调整压脚的压力，使压力满足合理的缝制作业要求。

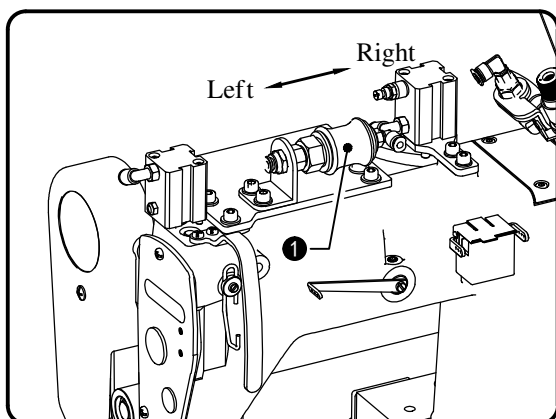
Adjust the presser foot pressure by turning wing nut ① to such a level that it is just enough to keep the work from slipping .

(2) 若机器配有辅助拖轮，拖轮的压力可以通过调节旋钮 ② 进行调节。

In case of Model - SP and - PL , the puller pressure can be adjusted as appropriate to the work by loosening adjusting thumb-screw nut ② .

4)、压脚和拖轮抬起切换

Press feet and drag along a round to lift to cut over

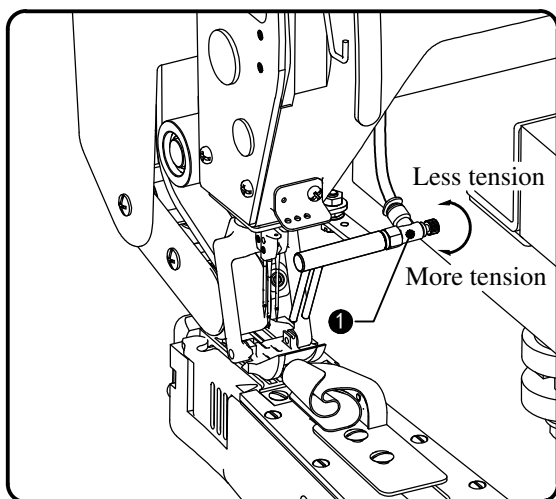


(1) 通过左右滑动手滑阀 ①，向右滑，后踏脚踏板压脚抬起，向左滑，后踏脚踏板压脚和拖轮同时抬起。

Pass an or so glide hand slide valve ① , To left slippery, The empress step pedal to press feet to lift, Rightwards slippery, The empress step pedal to press feet and drag along a round to lift in the meantime.

5)、机针冷却流量调节

The machine needle cool off discharge to regulate



(1) 通过调节气嘴接头 ①，调整机针冷却气嘴的吹气量。

Pass to regulate a spirit mouth to deal with contact ① , Adjust the machine needle cool off spirit blow of mouth tolerance.

6)、调节缝迹的长度
Stitch Length Adjustment

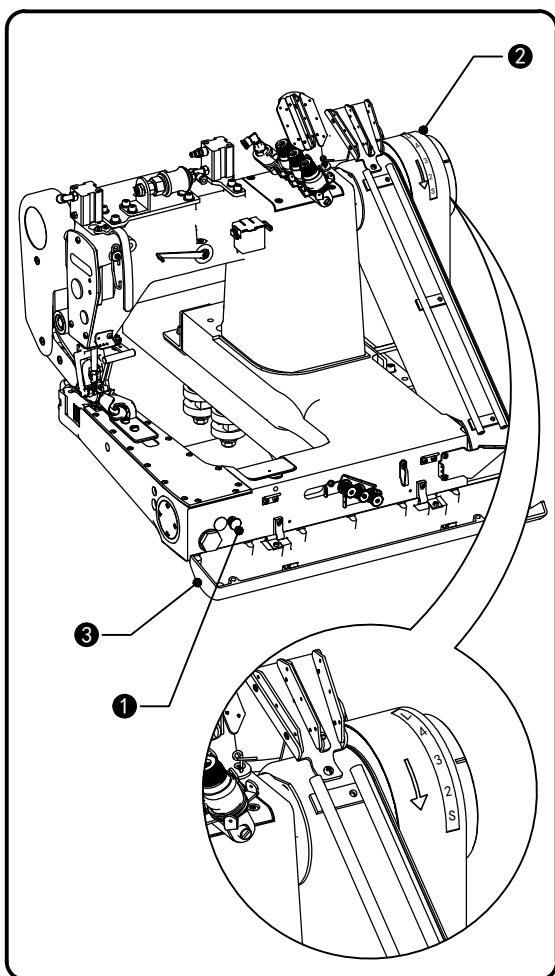
⚠ 注意 / CAUTION



调节缝迹长度时，先关闭电源，以免机器可能在不慎情况下开启，造成伤害。关闭电源后，需确定电机完全处于停止状态，方可进行调节操作。

Turn off the power supply before adjusting the stitch length, otherwise the machine will operate if the treadle is pressed by mistake, which could result in injury. However the motor will keep turning even after the power is switched off as a result of the motor's inertia.

Wait until the motor stops fully before starting work.



* 机器皮带轮上显示的数字表示缝迹的长短，按照缝制的要求，可以调整缝迹的长度。
The numerals on the machine pulley scale represent the stitch length(mm) however the actual stitch length will vary depending on the type and thickness of material being used.

(1) 打开前盖 ③ .

Open the front cover ③ .

(2) 按下缝迹宽度调节钮 ① 后，安箭头指示方向慢慢转动皮带轮.

While pressing the feed adjustment button ①, turn the machine pulley toward you slowly, (The feed adjustment button ① will move further inward.)

(3) 转到要求的数字，此时，数字对准皮带轮上盖的窗口 ② .

While still pressing the feed adjustment button ①, keep turning the machine pulley until the desired numeral appears in the center of the pulley cover windows ② .

* 数字越大，缝迹越长. 松开调节按钮（确保调节按钮复位）

The higher the value of the numeral, the larger the stitch length becomes.

Release the feed adjustment button ① .

(Check that the feed adjustment button ① pops back out again.)

(4) 盖上前盖.

Close the front cover.

注意：

NOTE:

务必在机器完全停止运行后，按下缝迹调节钮，否则可能损坏机器零部件。

Do not press the feed adjustment button while the machine is operating, as doing so may damage the machine parts.

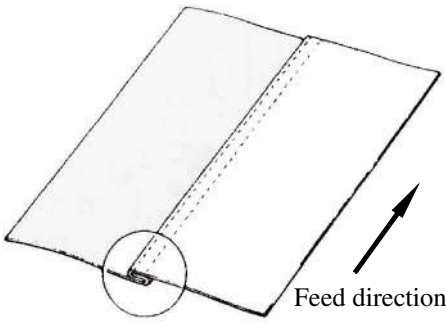
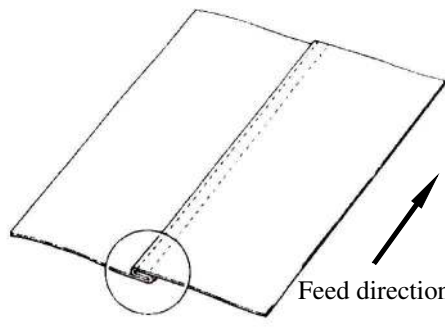
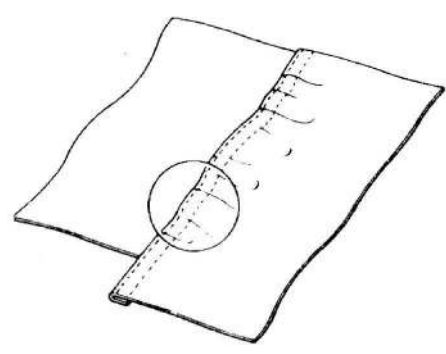
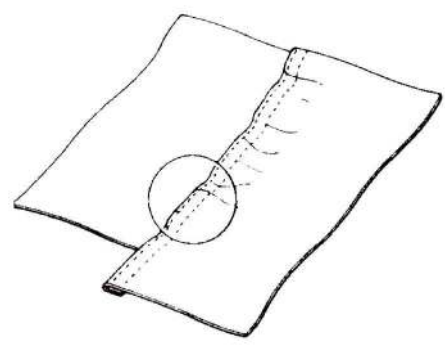
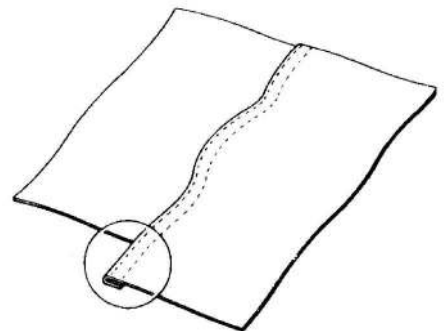
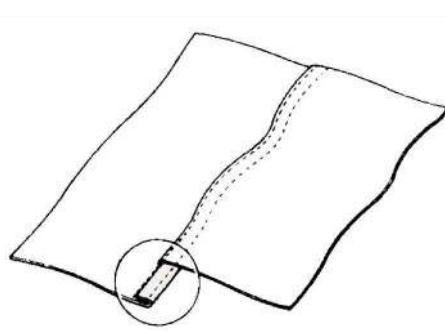
当把数字调到最大时，必须调节挡针块，使其与机针保持规定的间距。

When sewing with the stitch length set close to the maximum length, you will need to adjust the needle guard in accordance with the type of material and the type of thread being used.

* 以下表格是在调整托轮装置时所涉及到有弹性织物和低弹性织物的这示例图。

The table below shows samples of stitches made with a highly elastic fabric and a fabric which is not so elastic.

Adjust the puller feed by referring to this table.

调整托轮装置 Puller feed	有弹性织物 Fabric with high elasticity	低弹性织物 Fabric with low elasticity
<p>正确 Correct</p>	 <p>线迹直而且没有打皱 Neither non-alignment not sewing wrinkles</p>	 <p>线迹直而且没有打皱 Neither non-alignment not sewing wrinkles</p>
<p>过松 Insufficient</p>	 <p>线迹弯曲而且打皱 Non-alignment and wrinkles</p>	 <p>线迹弯曲而且打皱 Non-alignment and wrinkles</p>
<p>过紧 Excessive</p>	 <p>线迹扭曲成波浪形 Non-alignment and very wavy</p>	 <p>线迹扭曲成波浪形 Non-alignment and very wavy</p>

9、清洗处理

Cleaning

* 为了维护机器的性能和确保机器的使用寿命,必需每天执行以下清洗操作.

The following cleaning operations should be carried out each day in order to intain the performance of this machine and to ensure a long service life.

⚠ 注意 / CAUTION

⚠ 清洗之前必须拔掉电源,在电源关掉后由于惯性的结果,电机会继续转动,必须等到电机完全停止后才能开始清洗工作,机器在运转中如果踏板误踩,可能会导致意外伤害.

Turn off the power switch before carring out cleaning.The motor will keep turning even after the power is switched off as a result of the motor's inertia.Wait until the motor stops fully before starting work.

The machine may operate if the treadle is pressed by mistake,which could result in injury.

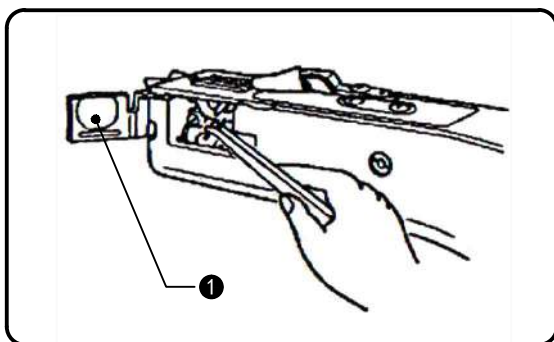
⊘ 确保在处理润滑油的时候带上防目镜和手套,以防止油进入眼睛和皮肤而出现症状.在任何情况下不能饮用此类润滑油,以免导致呕吐和腹泻.谨记此类润滑油要放在儿童够不着的地方.

Be sure to wear protective goggles and gloves when handling the lubricating oil,so that no oil gets into your eyes or onto your skin,otherwise inflammation can result. Furthermore,do not drink the oil under any circumstances,as it can cause vomiting and diarrhoea.

Keep the oil out of the reach of children.

1)、日常清洗

Daily cleaning



(1) 打开挑线叉盖 ①,把里面的残留的线屑或杂物清洗出来.

Open the looper side plate and clean away any thread scraps and other rubbish.

(2) 清洗完毕后,关闭挑线叉盖.

After cleaning,close the looper side plate ①.

(3) 检查

Checking

检查线是否已正确穿引.

Check that the threads are threaded correctly.

如果针尖已损坏,请更换机针.

If the tips of the needles are broken the broken needles.

* 润滑油至少每三个月更换一次.

The lubricating oil should be changed at least once every three months.

(1) 拧开前臂盖螺钉 ①,打开前臂盖 ②.

Remove the 11 screws ①, and then open the forward feed arm cover ②.

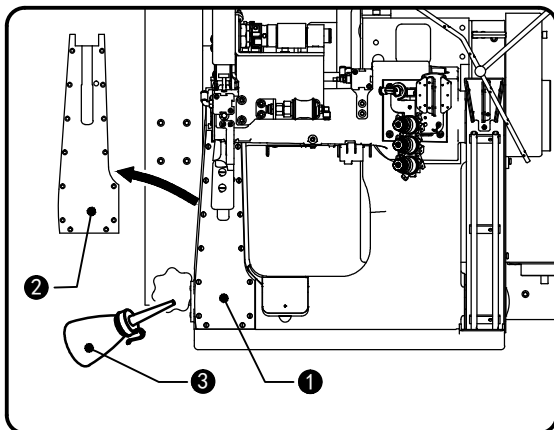
(2) 把机器里的润滑油用油壶吸出来 ③.

Draw up all of the lubricating oil inside the machine into the oil bottle ③.

(3) 再把油装进机器,直到在油量表的参考线范围内.

2)、机臂润滑

The machine arm lubricate

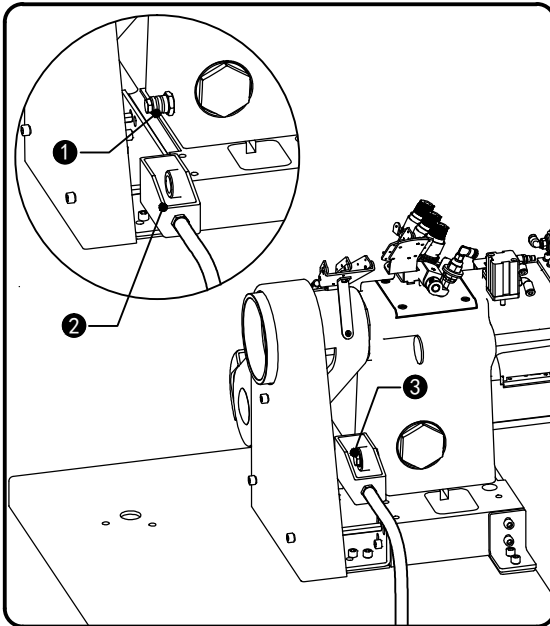


Fill the machine with oil until the oil level reaches the point in between the reference lines on the oil gauge .

- (4) 盖上前臂盖 ②，拧回前臂盖螺钉 ①。
Close the forward feed arm cover ② and secure it with the 11 screws ①.

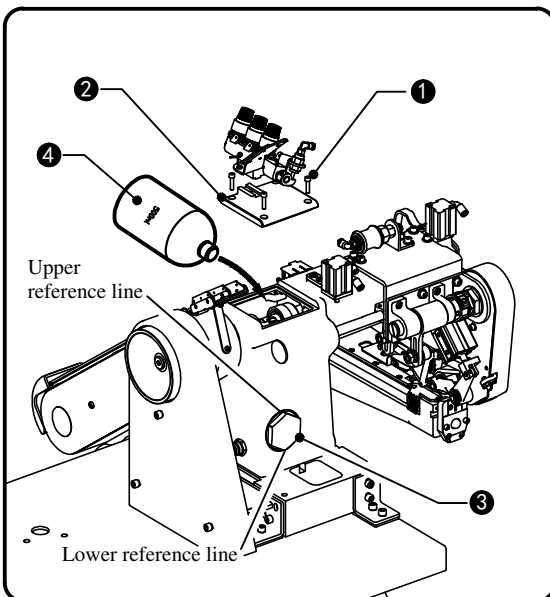
3)、机头润滑

The machine head lubricate



* 润滑油至少每六个月更换一次。
The lubricating oil should be changed at least once every six months.

- (1) 将放油盒 ②套入放油嘴 ①上。
Will put an oil box ② a set to go in to put glib-tongued ① top.
- (2) 旋开放油螺钉 ③，将机器里的污油排出。
Screw on to put oil bolt ③, eject the dirty oil in the machine.
- (3) 放完油后旋上放油螺钉 ③，取下放油盒 ②。
Finish put empress the oil Xuan top to put oil bolt ③, Dismantle to put an oil box ②.








- (4) 用3mm的内六角扳手松开4个螺钉 ①，取下顶盖板 ②，往机体里面加注润滑油 ④，直至油量达到油箱指示标签 ③。
Use a 3 mm of inside hexangular wrench loose open 4 bolt ①, Dismantle a crest cover plank ②, and then fill with oil ④, until the oil level reaches the point in between the reference lines on the oil gauge ③.

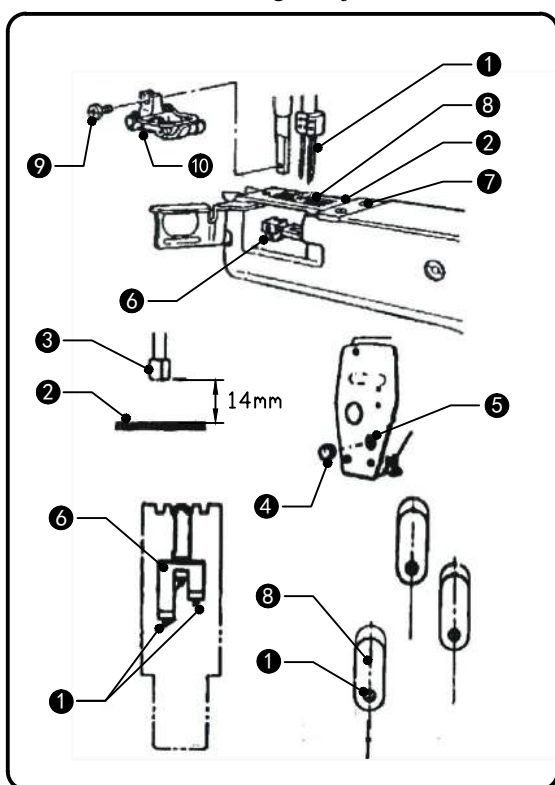
10、调节标准

Standard adjustments

注意 / CAUTION

-  机器的维护和检测只能由相关技术人员执行。
Maintenance and inspection of the sewing machine should only be carried out by qualified personnet.
-  在进行维护、检测、调整时，请咨询经销商或相关技术人员。
Ask your dealer or a qualified electrician to carry out any maintenance and inspection of the electrical system.
-  断开电源同时把电线从电源接口上断开，否则会因误踩踏板而转机器，导致伤害。断电后，由于惯性电机将继续处在运转状态，此时要等电机完全停止后方可操作。
Turn off the power switch and disconnect the power cord form the wall outlet at the following times,otherwise the machine may operate if the treadle is pressed by mistake,which could result in injury.
* 在执行检查、调整、维护时；在更换易损件，如挑线叉时。
When carrying out inspection,adjustment and maintenance.
When replacing consumable parts such as the looper.
-  在做一些调整时，电源开关必须切断，并且谨慎地遵守安全防范措施。
If the power switch needs to be left on when carrying out some adjustment,be extremely careful to observe all safety precautions.
-  如果安全标识已脱落,必须重新张贴，以确保机器使用时的正确操作。
If any safety devices have been removed, be absolutely sure to re-install them to their original positions and check that they operate correctly before using the machine.

1)、调节针杆
Needle bar height adjustment



调节机针①的高度.同时调整机针①使每根机针在针板②的针孔⑧中心位置.

Adjust the heights of the needles ①.

At this time,adjust so that each needle ①is in the center of the needle hole ⑧in the needle plate ②.

(1) 拧开螺钉⑨, 松开压脚⑩.

Remove the screw ⑨, and then remove the presser foot ⑩.

(2) 转动皮带轮, 使针杆下降到其最低位置.

Turn the machine pulley to drop the needle bar to its lowest position.

(3) 取下橡胶塞④, 松开针杆抱箍⑤, 调整使针夹的底部③距针板②的距离为14mm.

Remove the rubber plug ④, loosen the needle bar clamp screw ⑤ and adjust so that the distance between the bottom of the needle clamp ③ and the top of the needle plate ② is 14mm.

* 针夹如上设置, 当针夹上升至最高点时, 针尖到针板的距离约为13mm.

If the needle clamp is set in the way described above, the distance between the point of the needle and the top of the needle plate will be 13mm, when the needle clamp is raised to its highest position.

(4) 拧开螺钉⑦, 取下针板②.

Remove the three screws ⑦, and then remove the needle plate ②.

(5) 调整针杆使机针①与挡针块保持均等位置, 调整挡针块, 使机针①与挡针块⑥之间无手感间隙, 拧回螺钉⑦把针板②固定, 检查机针①是否在针孔中心⑧, 拧紧针杆抱箍⑤螺钉.

Turn the machine pulley so that the needles ① and the needle guard ⑥ are aligned, and then adjust the tilt of the needle clamp ③ so that there is no space between the left and right needles ① and the needles ① and the needle guard ⑥ at this time.

Install the needle plate with the three screws, and after checking that the needles are in the centers of the needle holes, tighten the needle bar clamp screw.

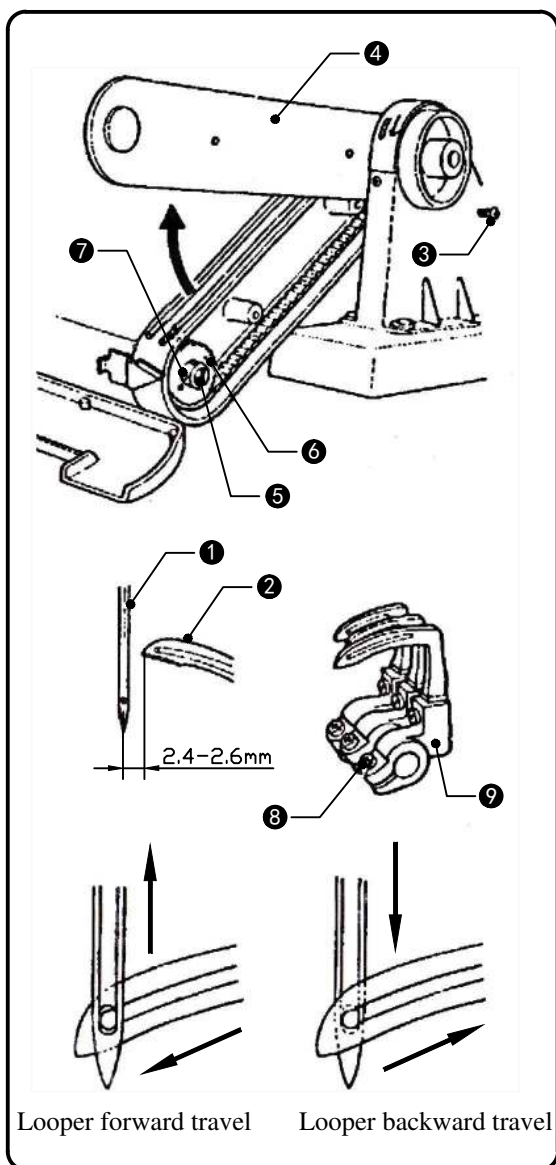
(6) 塞上橡胶塞④.

Insert the rubber plug ④.

(7) 用螺钉⑨把压脚⑩按装在针杆上.

Install the presser foot ⑩ with the screw ⑨.

2)、调节针和挑线叉
Needle and looper timing adjustment

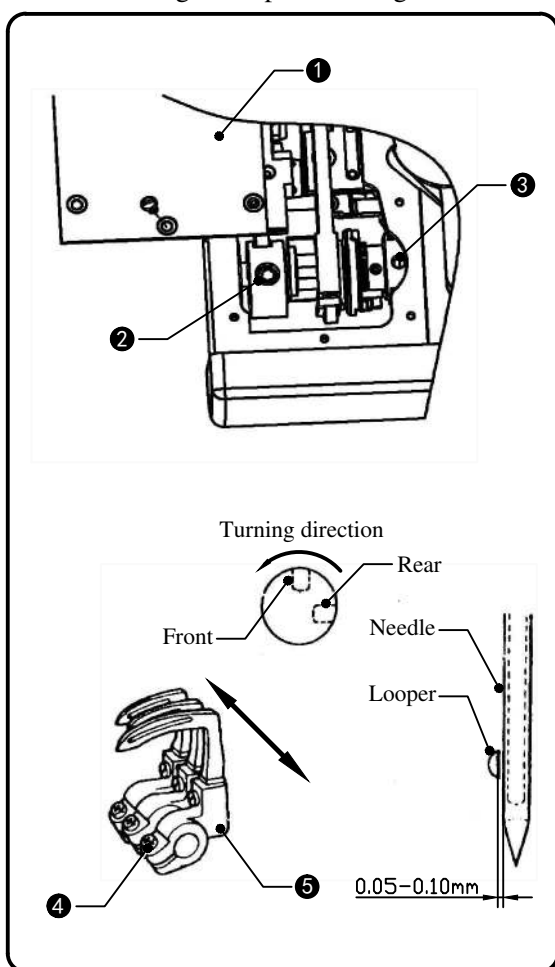


当机针①的位置下降到挑线叉②，挑线叉向后转到最后面，此时机针①的中心位置距离挑线叉②的顶端为2.4-2.6mm.

Make an adjustment so that,when needles are down lowest loopers ② reach the end of their backward travel and the distance from the needle center to the looper tip is 2.4 to 2.6 mm.

- (1) 取下压脚、针板。
Remove the presser foot,needle plate and feed dogs.
- (2) 拧下螺钉③, 打开同步带盖④。
Remove the two screws ③,and then open the belt cover plate ④.
- (3) 转动皮带轮, 直至挑线叉②向后并回转。
Turn the pulley toward yourself until looper ② reach the end of their backward travel.
- (4) 松开螺钉⑤, 松开下同步轮⑥的紧定螺钉⑦。
Loosen cap screw ⑤,and then loosen two set screws ⑦on lower belt wheel ⑥.
- (5) 转动皮带轮直至机针①下降至最低点。
Turn the pulley toward yourself until needles ① come down to the lowest position.
- (6) 拧紧同步轮紧定螺钉⑦, 然后拧紧螺钉⑤。
Tighten two set screws ⑦securely,and then tighten cap screw ⑤.
- (7) 松开螺钉⑧, 转动挑线叉座⑨, 按箭头的指示直到机针的中心和挑线叉的顶端距离为2.4-2.6mm。
Loosen set screw ⑧,move looper holder ⑨ in the arrow direction until the distance between the needle center and the looper tip is 2.4 to 2.6 mm,and retighten set screw ⑧securely.
- (8) 转动皮带轮, 确定挑线叉的小孔与针孔基本相称。
Make sure that the looper thread eyes match the needle eyes in the forward and backward travels of the loopers.
- (9) 装上同步带盖④, 拧紧螺钉③。
Close the belt cover plate ④,and then tighten the two screws ③.
- (10) 装上压脚和针板。
Install the presser foot,needle plate and feed dogs.

3)、调节挑线叉和机针的间隙
Timing of loopers running clear of needles



当挑线叉向前运动时，挑线叉应运转到机针的后面；当挑线叉向后运动时，挑线叉应运转到机针的前面。在运动过程中，挑线叉与机针的间隙应为0.05mm-0.10mm之间。

The loopers run in back of the needle in their forward travel and in front of the needle in their backward travel. Adjust the clearance between the needles and the loopers to anywhere from 0.05 to 0.10 mm in the forward travel.

(1) 移开前臂盖。

Remove forward feed arm cover ①.

(2) 转动前后方向的偏心轮靠近固定螺钉，与挑线叉偏心调节孔排成一行时，挑线叉的前后应定时调整。调整时，松开转动方向的偏心轮前面的固定螺钉，再松开后面的固定螺钉，前后偏心轮就可以调整了，调整后，拧紧两个固定螺钉。

The forward/back looper timing should be adjusted so that the set screw which is at the rear relative to the forward/back cam turning direction is aligned with the screw adjustment hole ③ when the set screw which is at the rear relative to the up/down cam turning direction is aligned with the looper connecting rod adjustment hole ②.

To adjust, loosen the set screw which is at the front relative to the forward/back cam turning direction, and then loosen the set screw at the rear just enough so that the forward/back cam can be adjusted.

(3) 松开固定挑线叉的螺钉，移动挑线叉座，按箭头方向调整，当挑线叉尖端和机针的中心相称时，它们的间隙应为0.05mm-0.10mm之间。

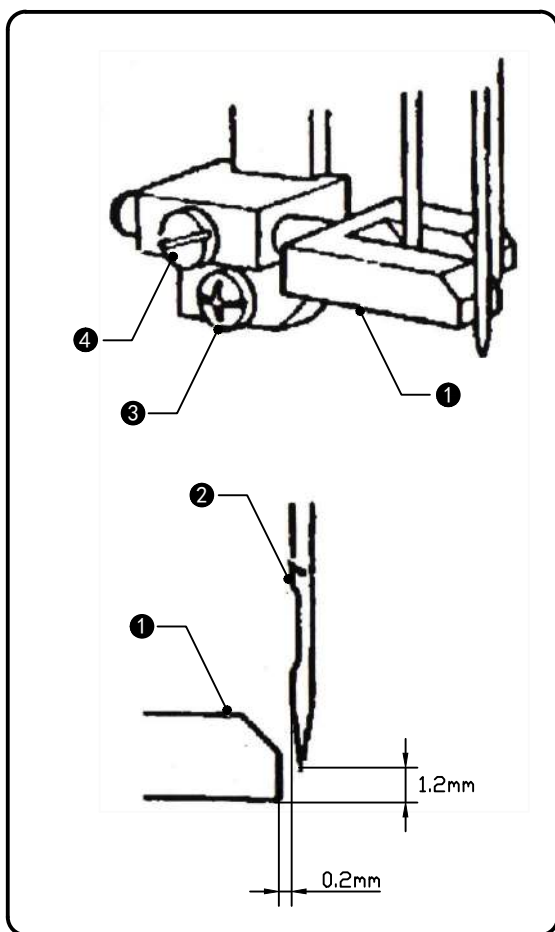
Loosen the looper holder screw ④, and then move the looper holder ⑤ in the direction of the arrow to adjust so that the clearance between the tip of the looper and the center of the needle is 0.05mm - 0.10mm when the two are aligned.

At this time, do not move the looper holder ⑤ in any direction except the direction indicated by the arrow. If it is moved in another direction.

(4) 安装好前臂盖。

Install the forward feed arm cover ①.

4)、调节挡针块 Needle guard adjustment



当线迹长度设置最小时，而且挑线叉移向机针时，挡针块与机针的间隙应为0.2mm. 在不折断挑线叉的情况下，高度设置的尽可能低一些.

The clearance between the needle guard ① and the needles ② should be 0.2mm when the stitch length is at the minimum setting and the loopers are moving toward the needles. The heights should be adjusted to as low a setting as possible without the loopers breaking.

(1) 调整线迹到最小设置.

Adjust the stitch length to the minimum setting.

(2) 将机器皮带轮按指示方向旋转，使挑线叉与机针的中心保持相称.

Turn the machine pulley toward yourself to align the loopers with the centers of the needles.

(3) 松开螺钉③，然后提升或降低挡针块使得挡针块的末端到针尖的距离为1mm - 2mm.

Loosen the set screw ③, and then raise or lower the needle guard ① so that the distance from the bottom of the needle guard ① and the needle is 0.2mm.

(4) 拧紧螺钉③.

Tighten the set screw ③.

(5) 松开螺钉④，然后移动挡针块向左或向右调整使得挡针块与机针的间隙为0.2mm .

Loosen the set screw ④, and then move the needle guard to the left or right to adjust so that the clearance between the needle guard ① and the needles is 0.2mm .

(6) 拧紧螺钉④.

Tighten the set screw ④.

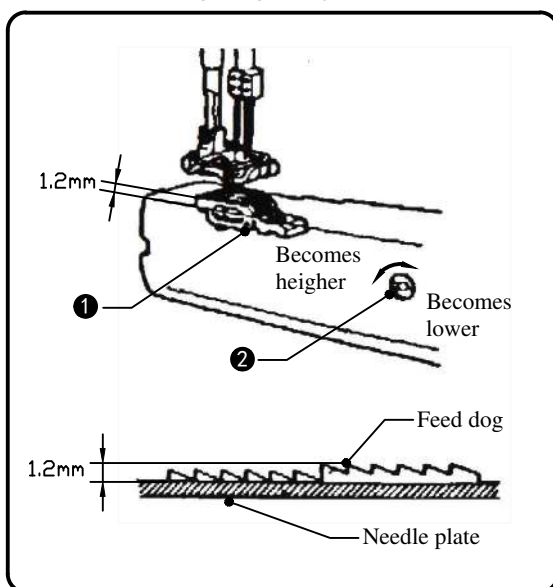
注意:

Note:

针对有些布料和线，可以得到的最好的缝制效果是当线迹长度调整到实际的线迹长度时，挡针块与机针轻微接触.

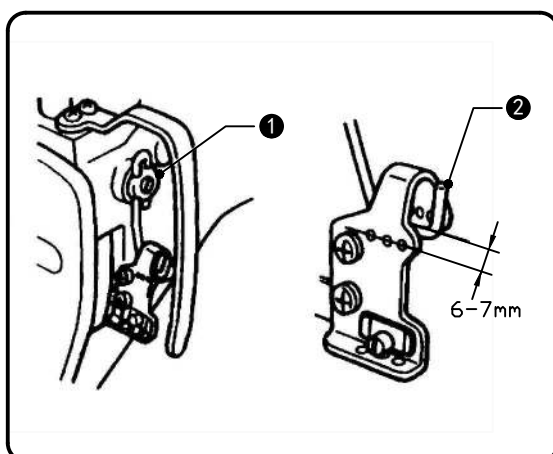
For some materials and threads, the best results can be obtained if the needle guard and the needle are touching slightly when stitch length is adjusted to the actual stitch length.

5)、送料齿高度的调整
Feed dog height adjustment



当送料齿①在最高位置时，调整使送料齿的最高位置处于针板顶面以上1.2mm。
通过转动送料杆偏心轴②来调整送料齿高度。
Make an adjustment so that the highest part of the feed dog will be 1.2 mm above the needle plate when feed dog ① is at the highest position. Adjust the height of feed dog ① by turning feed bar eccentric shaft ②.

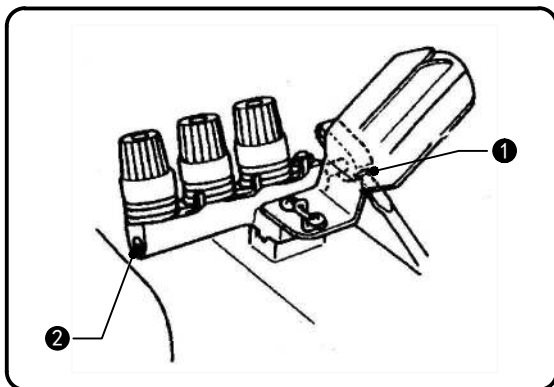
6)、调整上打线器
Upper thread take-up thread guide adjustment



调整上打线器的打线钩位置，使得和过线板的间距约为6-7mm左右。
Adjust the distance between the center of the upper thread take-up and top of the thread guide will be 6-7mm.

- (1) 转动皮轮直到针杆下降到最低位置。
Turn the pulley toward yourself until the needle bar is down at the lowest position.
 - (2) 松开螺钉，上下移动打线钩，使得过线板的过线孔和打线钩的间距为6-7mm左右。
Loosen the screw ①, and then move the upper thread take-up thread guide ② up or down to adjust so that the distance from the top of the upper thread take-up thread guide ② to the center of the upper thread take-up hole is 6-7mm.
- * 打线钩调的越高，面线线量越大。
The higher the upper thread take-up thread guide ②, the greater will be the upper thread loops.
- (3) 拧紧螺钉①。
Tighten the screw ①.

7)、松线轴的调整
Thread release shaft adjustment

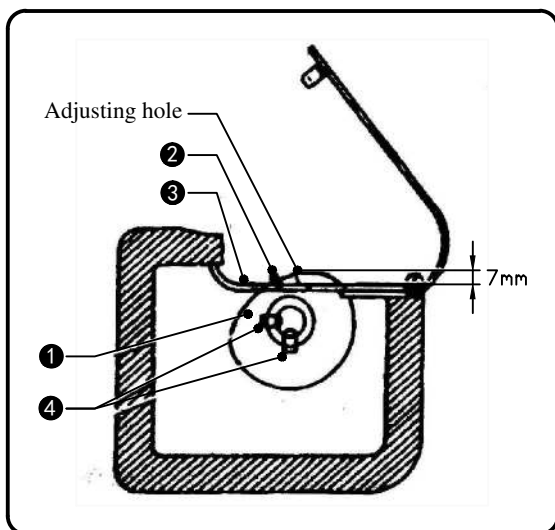


调整松线轴使得当压脚降低时，夹线盘收紧；压脚提升时，夹线盘松开。

Adjust the thread release shaft so that thread tension discs loosen when the presser foot is raised and tighten when the presser foot is lowered.

- (1) 松开紧固螺钉 ①。
Loosen set screw ①.
- (2) 通过松线轴 ② 调整，当夹线盘松开时，使得压脚提升到距针板4mm左右的位置。
Make an adjustment by turning thread release shaft ② so that the thread tension discs begin to loosen when the presser foot rises 4mm above the top of the needle plate.
- (3) 调整结束后，拧紧紧固螺钉 ①。
After the adjustment, retighten set screw ① securely.

8)、下打线器调整
Lower thread take-up timing adjustment



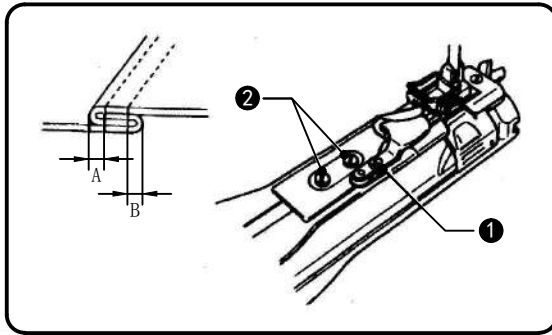
当挑线叉开始向后运动，下打线器接触到线时，调整使下打线凸轮 ① 在下打线器平面 ③ 以上7mm。

Make an adjustment so that, when the loopers begin moving backward, lower thread take-up ① contacts thread ②, and is 7mm up from lower thread take-up base ③.

- (1) 如图，松开打线凸轮的固定螺钉 ④。
Insert screw driver through the adjusting hole in the lower thread take-up base, and loosen two set screws ④.
- (2) 转动打线凸轮，直到距打线器平面上7mm。
Raise lower thread take-up ① until it is 7mm up from thread take-up base ③.
- (3) 拧紧打线凸轮的固定螺钉 ④。
After the adjustment, retighten two set screws ④ securely.

9)、安装卷边器

Installing the lapper



在前臂盖上, 将卷边器上的导向滑块, 嵌入前臂盖的滑槽内, 使卷边器前端对正并贴近压脚.

Insert the lapper guide plate from the front into the oval slot in the forward feed arm cover, making sure that the end of lapper is clear of the presser foot.

*卷边器的调节

Lapper adjustment

通过松开固定螺钉 ①, 调整缝距A. 调整后拧紧固定螺钉 ①.

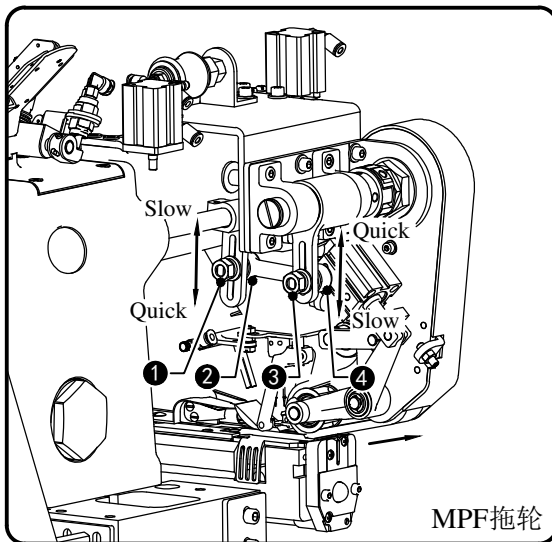
Adjust felling distance of point A by loosening set screw ①. After the adjustment, retighten set screw ①.

通过松开固定螺钉 ②, 调整缝距B. 调整后拧紧固定螺钉 ②.

Adjust felling distance of point B by loosening set screw ②. After the adjustment, retighten set screw ②.

10)、拖轮的调节

Drag along a regulate of round



MPF拖轮

调节拖轮的快慢使得它同步于送布齿.

At the rate of speed which regulate to drag along a round make it synchronous in send cloth Chi.

(1) 松开螺母 ①, 调节连杆一端 ②, 向上调节拖轮变慢, 向下调节拖轮变快.

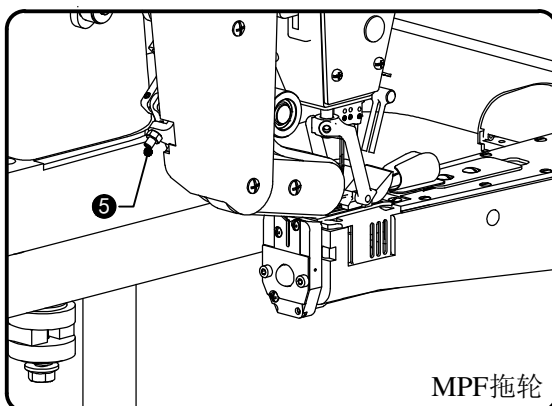
Loose open Luo a mother ①, Regulate to connect a pole a carry ②, Regulate to drag along a round to become upward slow, Get down to regulate to drag along a round to become quick.

(2) 松开螺母 ③, 调节连杆一端 ④, 向上调节拖轮变快, 向下调节拖轮变慢.

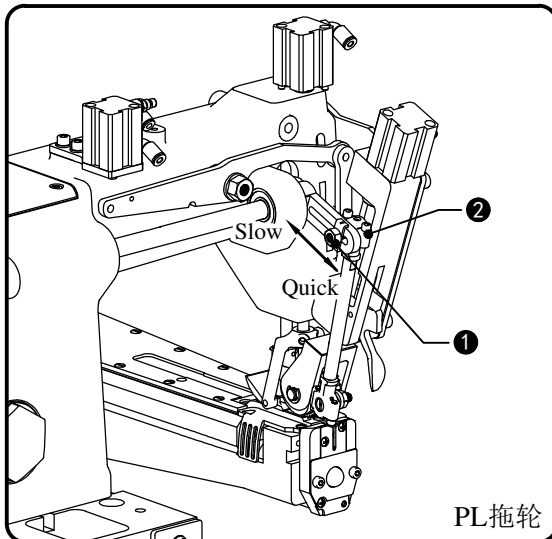
Loose open Luo a mother ③, Regulate to connect a pole a carry ④, Regulate to drag along a round to become upward quick, Get down to regulate to drag along a round to become slow.

(3) 调节螺钉 ⑤的进出位置, 相应限位拖轮的抬起高度.

Regulate pass in and out of bolt ⑤ position, Correspond a limit drag along a round of lift height.

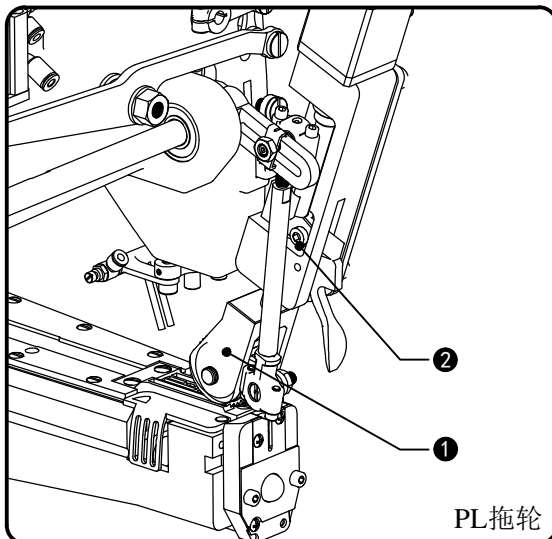


MPF拖轮



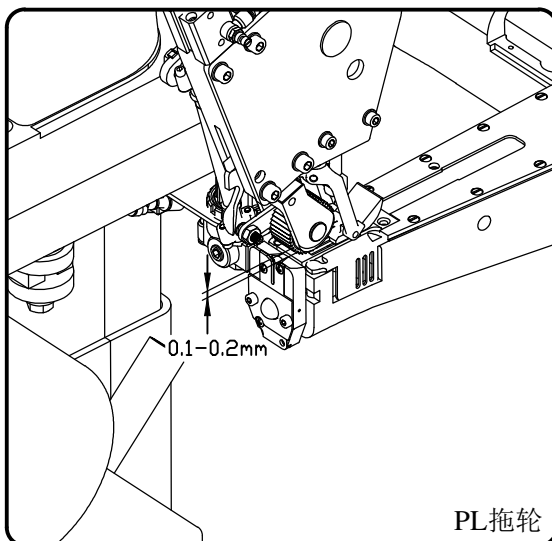
调节拖轮的快慢使得它同步于送布齿。
 A The rate of speed which regulate to drag along a round make it synchronous in send cloth Chi.

- (1) 松开螺母①，调节连杆一端②，向内调节拖轮变慢，向外调节拖轮变快。
 Loose open Luo a mother ①, Regulate to connect a pole a carry ②, To inside regulate to drag along a round to become slow, Outwardly regulate to drag along a round to become quick .



调节拖轮的高度使得它高于针板面0.1-0.2mm。
 Adjust the height of puller ① so that it is 0.1 to 0.2 mm high from the top of the needle plate.

- (1) 松开固定螺钉②，上下移动拖轮支架③，使拖轮①在针板平面上0.1-0.2mm之间。
 Loosen set screw ②, and move puller support ③ up or down until puller ① is 0.1 to 0.2 mm above the top of the needle plate.
- (2) 调整后，拧紧固定螺钉②。
 After the adjustment, retighten set screw ②.

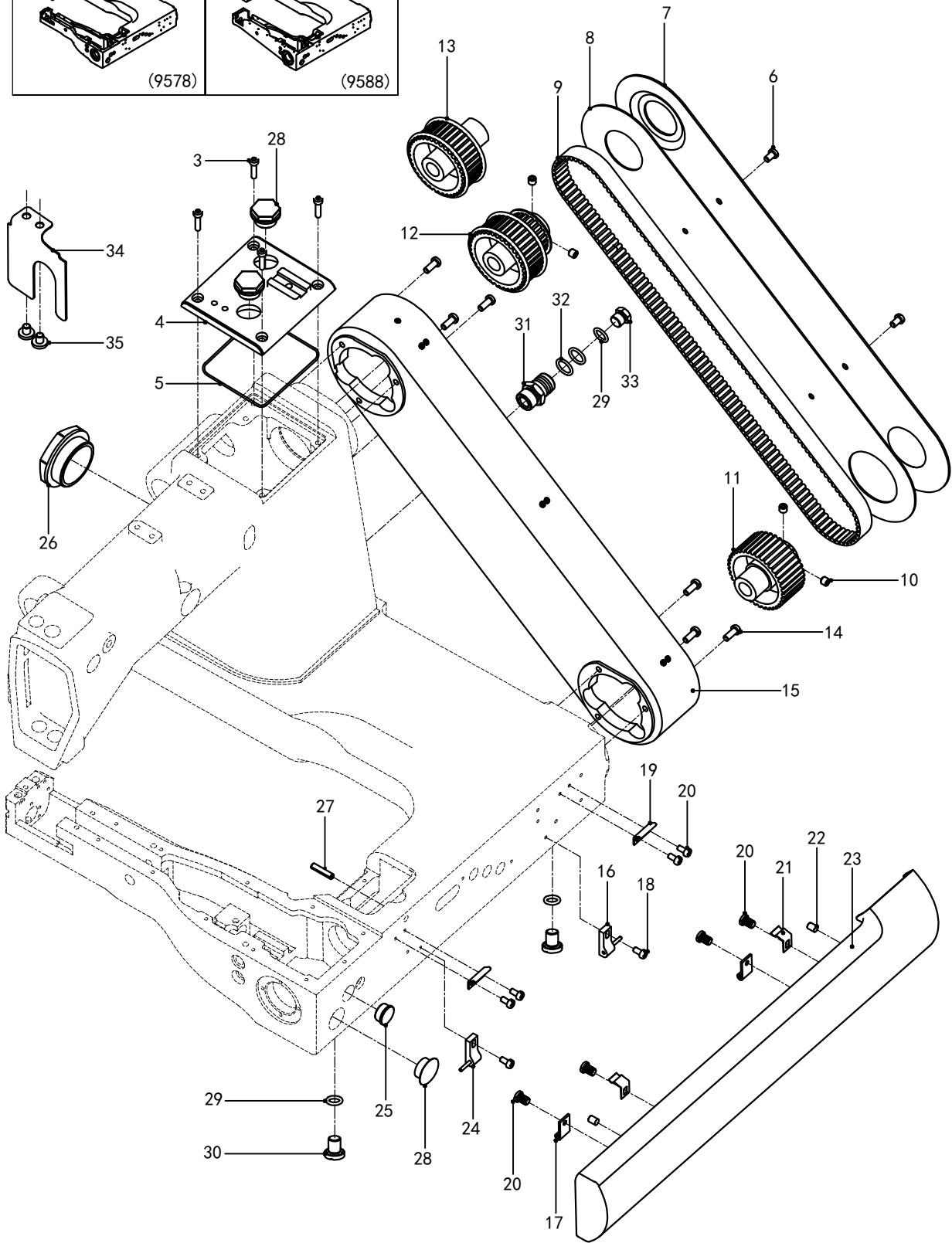
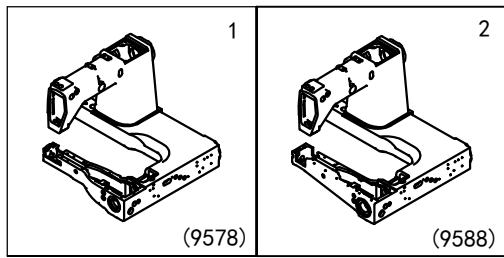


零件手册 PARTS LIST

目 录

A、机体部份 Machine frame components	1
B、上轴机械装置 Upper shaft mechanism	3
C、针杆装置 Needle bar mechanism	7
D、压脚杆装置 Presser bar mechanism	9
E、送料装置 Feed mechanism	13
F、下轴装置 Lower shaft mechanism	15
G、挑线叉组件 Lopper mechanism	17
H、上引线装置 Upper threading mechanism	21
I、下引线装置 Lower threading mechanism	25
J、规格零部件表 Different parts list	29
TB、钢结构台板 Treel work table	33
PL、直驱拖轮 Direct drive haul material wheel	37
MPF、气控拖轮装置 Gas control device	43
PD、拖轮驱动装置 Gas control device	47
P1、气动功能装置 Pneumatic device	51
P2、气动功能装置 Pneumatic device	55
CV、自动剪线装置 Auto wire cutters device	57
K、附件 Accessories	59

A、机体部份 Machine frame components



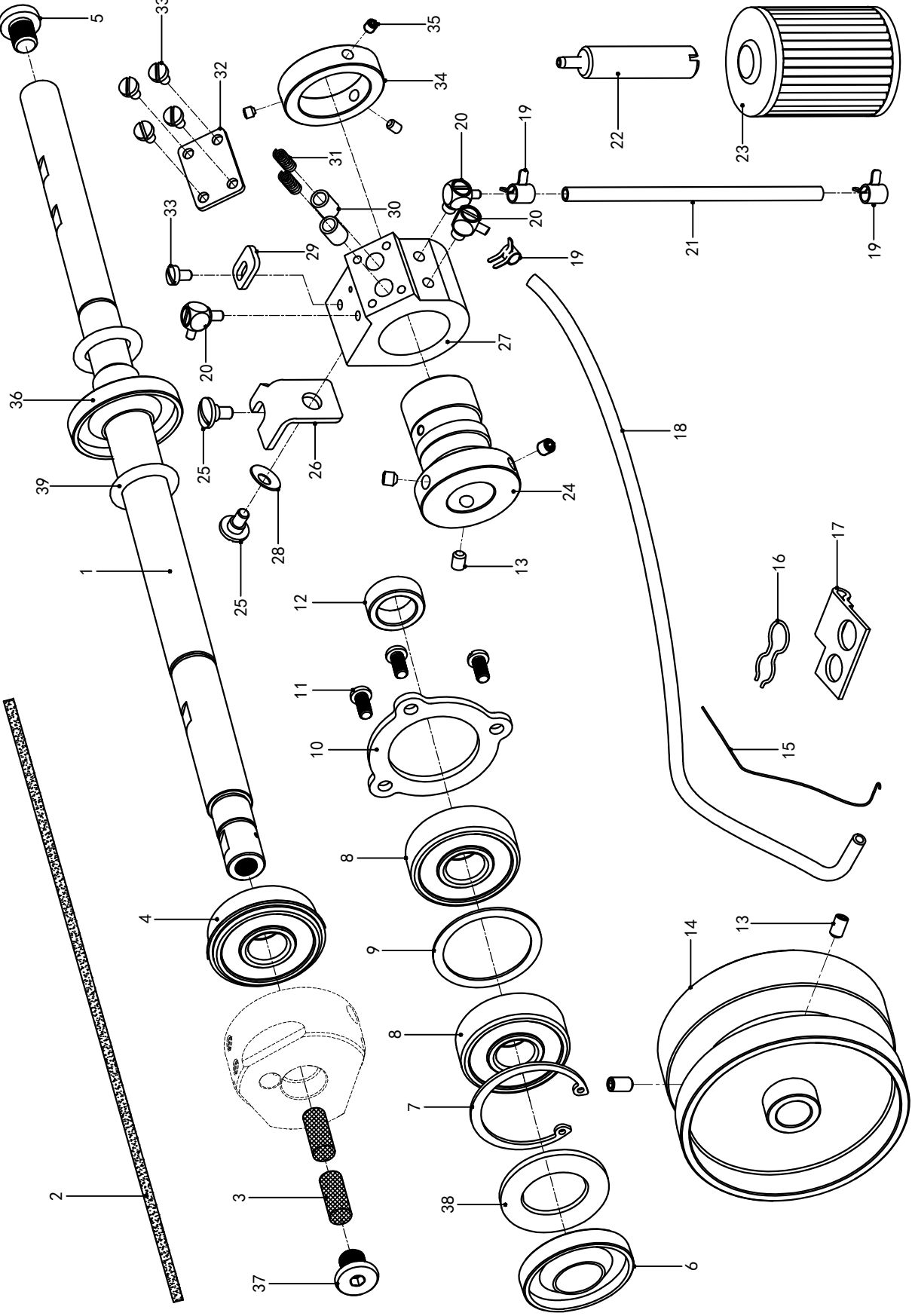
A、机体部份 Machine frame components

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9578A-1	9578A001	9578机壳/9578Machine frame	1
2	9588A-2	9588A001	9588机壳/9588 Machine frame	1
3	9588A-3	LD00116	内六角圆柱头螺钉M4X12/Screw M4	4
4	9588A-4	9588A010	顶盖/Top cap	1
5	9588A-5	9588A118	顶盖胶圈/The top aprons	1
6	9588A-6	LD00137	螺钉SM4. 76-10/Screw SM4.76	2
7	9588A-7	927A007	同步皮带罩盖板/Belt Corer Plate	1
8	9588A-8	927A008	同步皮带罩盖板垫/Packing	1
9	9588A-9	927A009	同步带/Timing Belt	1
10	9588A-10	LD00131	紧定螺钉SM6. 35-6/Screw SM4.76	4
11	9588A-11	927A011	下同步轮/Timing Belt Wheel Assy Lower	1
12	9588A-12	927A012	上同步轮/Timing Belt Wheel Assy Upper	1
13	9588A-13	927A013	上同步轮/Timing Belt Wheel Assy Upper	1
14	9588A-14	LD00133	螺钉SM4. 76-12/Screw SM4.76	6
15	9588A-15	927A015	同步皮带罩/Belt Cover	1
16	9588A-16	927A016	长前盖右摇臂/L/Thread Guide Hinge Assy,R	1
17	9588A-17	927A017	前盖摇臂座/Hinge	2
18	9588A-18	LD00280	螺钉SM3. 57-15/Screw SM3.57	2
19	9588A-19	927A019	前盖弹簧片钩/Font Cover Spring	2
20	9588A-20	LD00135	螺钉SM3. 57-6/Screw SM3.57	8
21	9588A-21	927A021	弹簧片/Font Cover Spring	2
22	9588A-22	927A022	前盖橡胶垫/Rubber Cap	2
23	9588A-23	927A023	长前盖/Front Cover	1
24	9588A-24	927A024	前盖左摇臂/L/Thread Guide Hinge Assy,L	1
25	9588A-25	927A025	橡胶塞/Rubber Cap	1
26	9588A-26	9588A031	油窗/Oil Seal	1
27	9588A-27	TXX00011	弹性圆柱销5X12/Pin, Spring	1
28	9588A-28	9588A093	油窗/Oil Seal	3
29	9588A-29	□XQ00002	O形圈11/O Ring	3
30	9588A-30	927A030	螺钉SM7. 94-10. 5/Screw SM7.94	2
31	9588A-31	9588A032	排油螺钉/Row oil bolt	1
32	9588A-32	927A032	机头羊毛毡/Felt	1
33	9588A-33	9588A033	堵头螺钉/Head bolt	1
34	9588A-34	9588A163	挡油板/Oil baffle plate	1
35	9588A-35	LD00007	螺钉SM4. 76-5. 5/Screw SM4.76	2

B-上轴机械装置 Upper shaft mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588B-1	9588A092	上轴/Upper Shaft	1
2	9588B-2	927A031	油线/Wick Ninpper	1
3	9588B-3	9588A184	主轴毛毡/Felt	2
4	9588B-4	ZC00008	轴承/Ball Bearing	1
5	9588B-5	LD00136	螺钉SM9. 52-9. 5/Screw SM9.52	1
6	9588B-6	YF00001	油封17X42X7/Oil seal	1
7	9588B-7	TDQ00004	弹性挡圈C42/Retaining Ring	1
8	9588B-8	ZC00009	轴承/Ball Bearing	2
9	9588B-9	DQ00032	平垫圈34/Washer	1
10	9588B-10	927B010	轴承压板/Bearing Presser	1
11	9588B-11	LD00137	螺钉SM4. 76-10/Screw SM4.76	3
12	9588B-12	927B012	挡圈/Collar	1
13	9588B-13	LD00001	紧定螺钉M6X10/Screw M6	5
14	9588B-14	998A145	皮带轮/Pelley	1
15	9588B-15	9588B015	铅丝/Galvanized wire	1
16	9588B-16	V08-23	回油毡夹/Beak to the linoleum clip	1
17	9588B-17	998A155	机头回油羊毛毡/Felt	1
18	9588B-18	9588A201	回油管/Return pipe	1
19	9588B-19	998A122	油管夹/Tubing clamps	3
20	9588B-20	927Q.2.39	微型接头/Micro connector	3
21	9588B-21	9588A202	供油管/For the tubing	1
22	9588B-22	9588A104	油滤芯连接柱/Oil filter connected column	1
23	9588B-23	9588A108	油滤芯/Oil filter	1
24	9588B-24	9588A045	柱塞泵内套/Inside set	1
25	9588B-25	9588A034	轴位螺钉/Stalk bolt	2
26	9588B-26	9588A035	油泵限位板/Oil pump limit plank	1
27	9588B-27	9588A046	柱塞泵外套/Pump Coat	1
28	9588B-28	DQ00016	盘形垫片/Washer	1
29	9588B-29	9588A037	油量调节板/Oil quantiiy baffle-board	1
30	9588B-30	9588A042	柱塞/The pillar fill	2
31	9588B-31	TH00032	压簧/Spring	2
32	9588B-32	9588A040	柱塞泵压板/Press plank	1
33	9588B-33	LD00204	螺钉SM3. 57-6/Screw SM3. 57	5
34	9588B-34	9588A048	挡圈/Collar	1
35	9588B-35	LD00002	内六角紧定螺钉M5X6/Screw M5	3

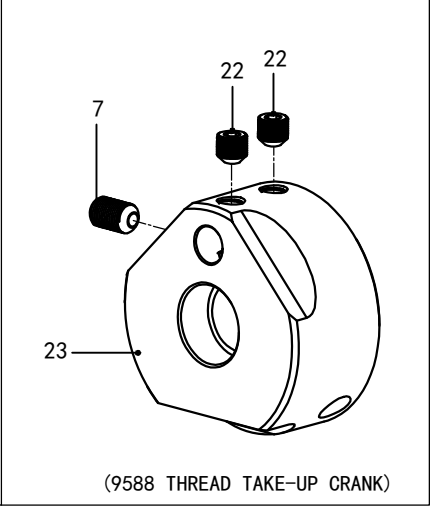
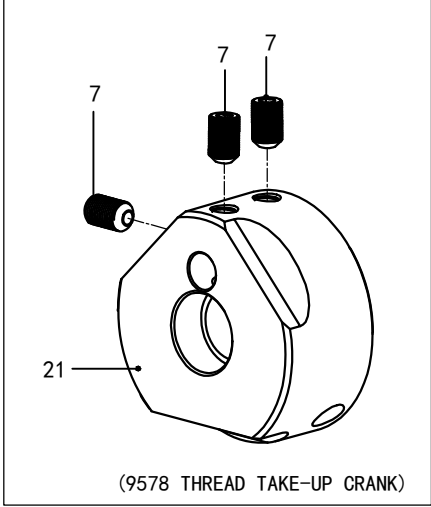
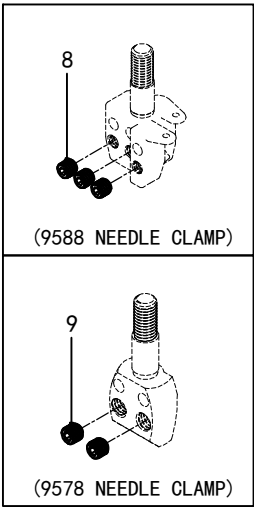
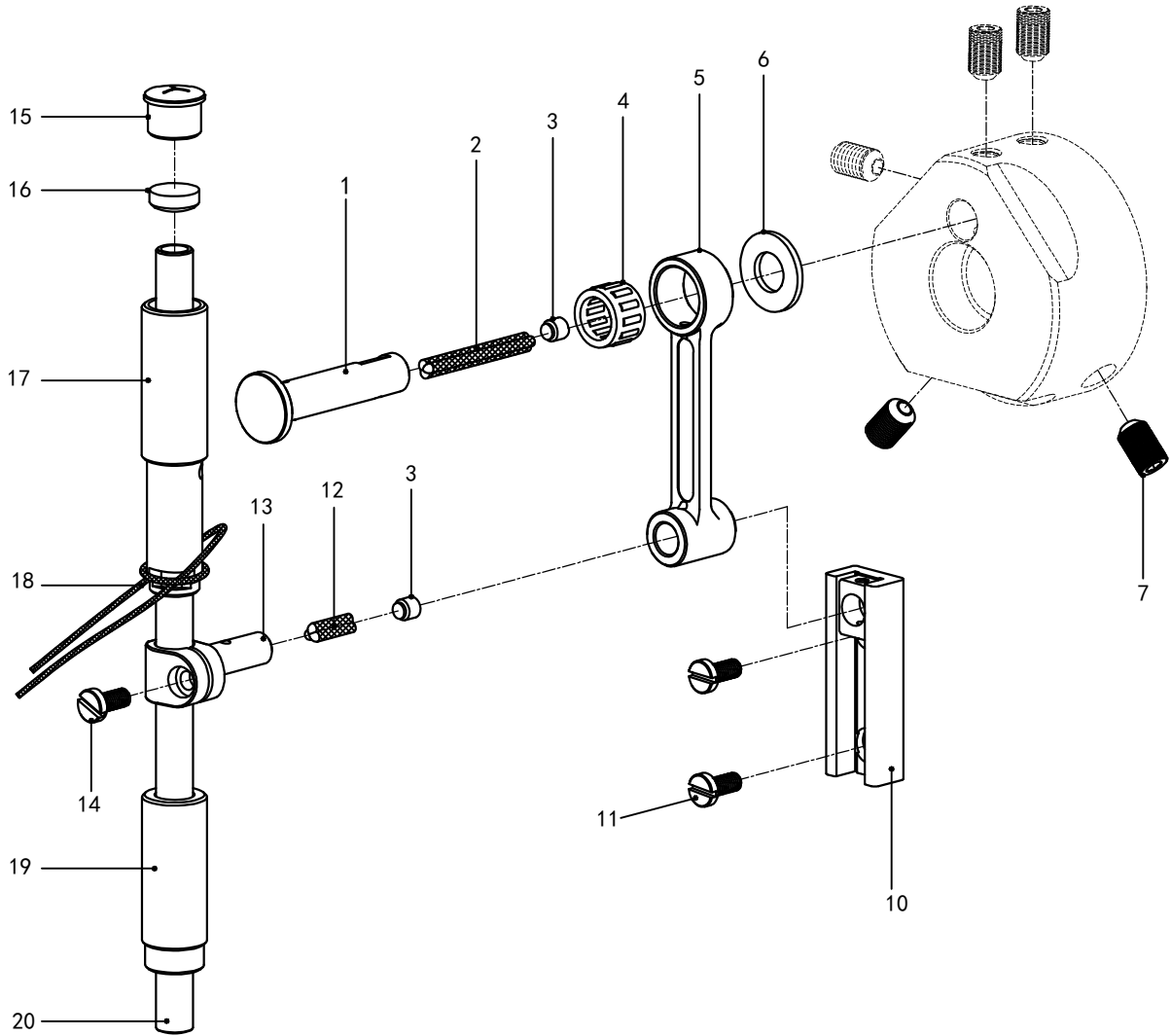
B-上轴机械装置 Upper shaft mechanism



B-上轴机械装置 Upper shaft mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9588B-36	YF00004	油封17X40X7/Oil seal	1
37	9588B-37	LD00136	螺钉SM5.95-9.5/Screw SM9.52	1
38	9588B-38	9588A185	油封间隔垫圈/Washer	1
39	9588B-39	□XQ00024	O形圈/O Ring	2

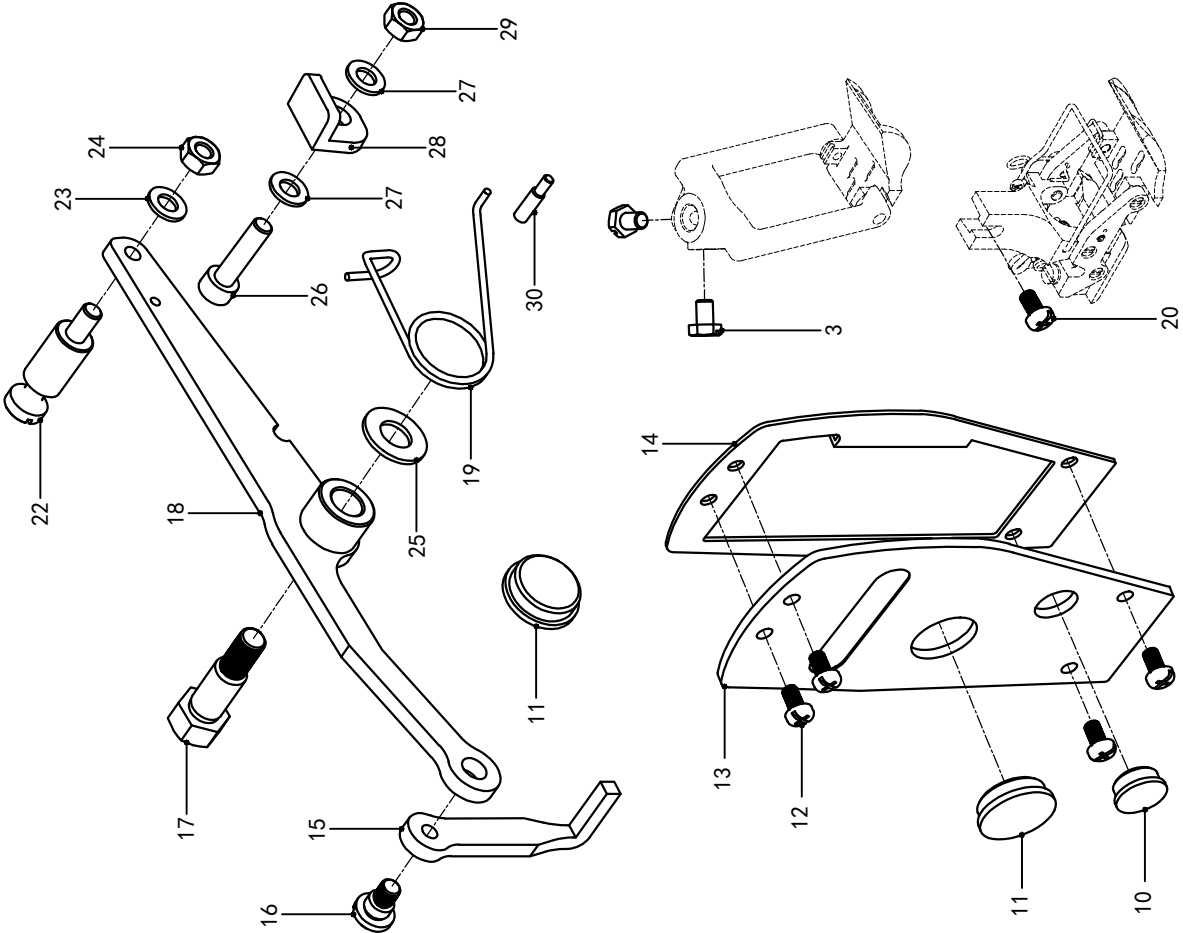
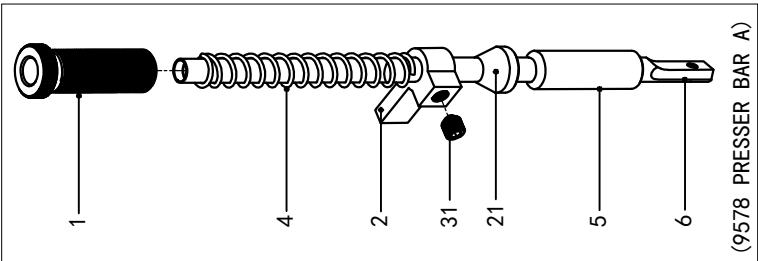
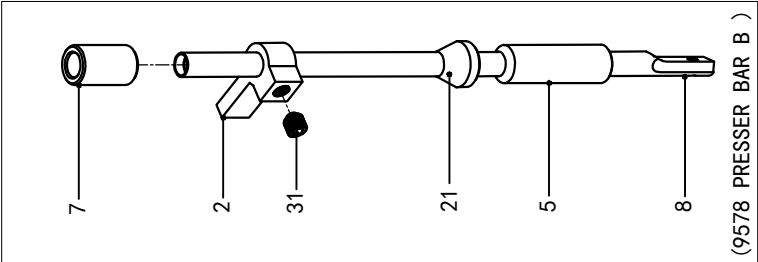
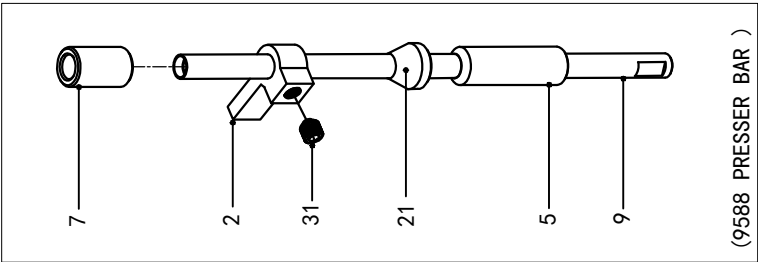
C-针杆装置 Needle bar mechanism



C-针杆装置 Needle bar mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588C-1	927C001X	针杆销/Pin	1
2	9588C-2	927C002	针杆销油线/Wick Ninpper	1
3	9588C-3	927C003	橡胶塞/Rubber Cap	1
4	9288C-4	ZC00010	滚针轴承/Ball Bearing	1
5	9588C-5	927C005X	针杆连杆/Connecting Rod	1
6	9588C-6	DQ00033	平垫圈8/Washer	1
7	9588C-7	LD00138	紧定螺钉SM6. 35-8/ Screw SM6.35	5
8	9588C-8	LD00142	紧定螺钉SM3. 18-3. 2/ Screw SM3.18	3
9	9578C-9	LD00141	紧定螺钉SM4. 36-3. 5/ Screw SM4.36	2
10	9588C-10	927C010X	针杆滑块槽组件/Needle Bar GuideAssy	1
11	9588C-11	LD00139	紧定螺钉SM3. 57-8/ Screw SM3.57	2
12	9588C-12	927C012	针杆抱箍油线/Wick Ninpper	1
13	9588C-13	927C013X	针杆抱箍/Needle Bar Clamp	1
14	9588C-14	LD00140	紧定螺钉SM3. 57-7/ Screw SM3.57	1
15	9588C-15	927C015	针杆上套油塞/Rubber Cap	1
16	9588C-16	9588A130	针杆上套羊毛毡/Felt	1
17	9588C-17	9588A027	针杆上套/Needle Bar Bush,Upper	1
18	9588C-18	927C018	针杆油线/Wick Ninpper	1
19	9588C-19	9588A028	针杆下套/Needle Bar Bush,Lower	1
20	9588C-20	9588A026X	针杆/Needle Bar	1
21	9578C-21	927C021X	9578挑线杆曲柄/9578 Thread Take-Up Crank	1
22	9588C-22	LD00245	紧定螺钉SM6. 35-5. 4/ Screw SM6.35	2
23	9588C-23	928C023X	9588挑线杆曲柄/9588Thread Take-Up Crank	1

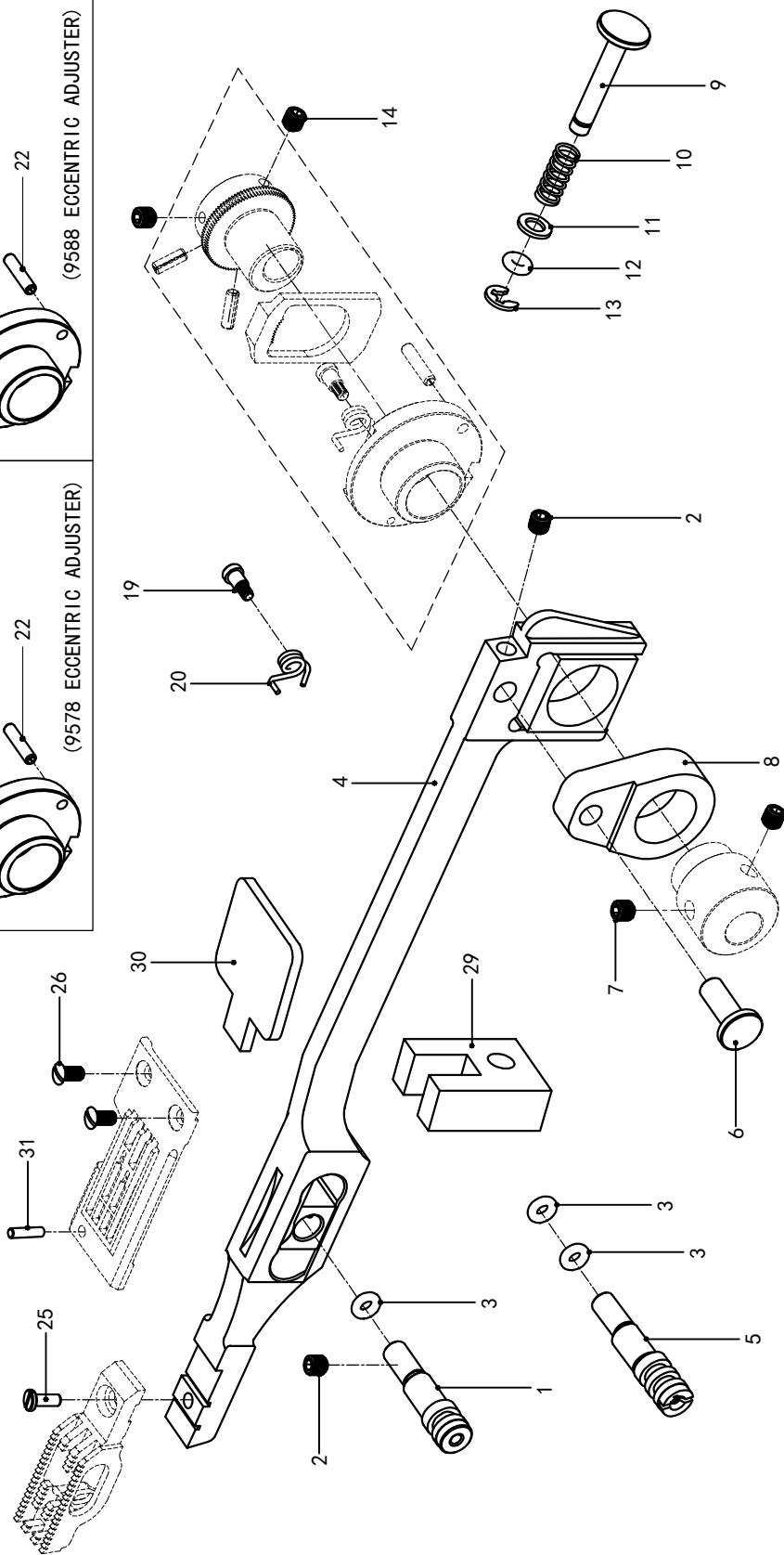
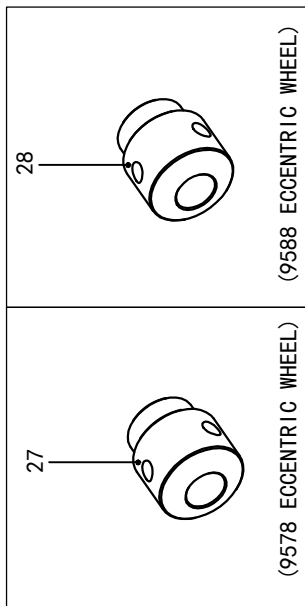
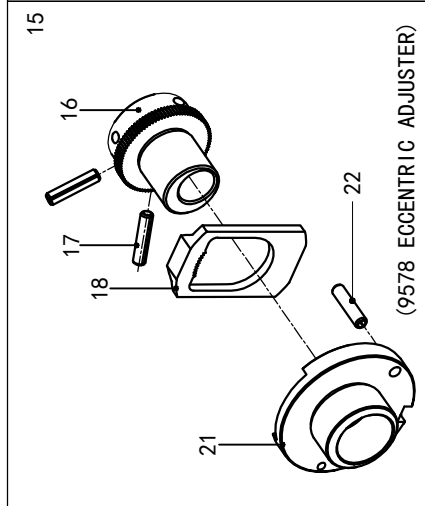
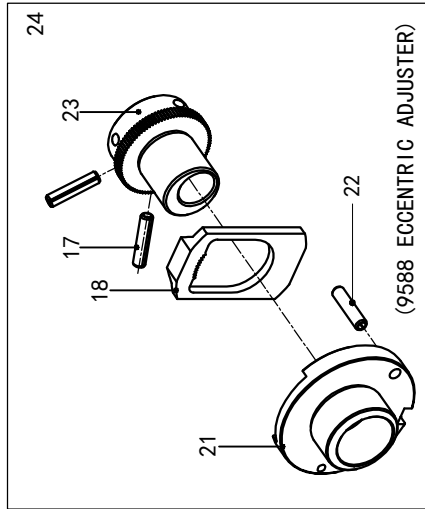
D-压脚杆装置 Presser bar mechanism



D-压脚杆装置 Presser bar mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588D-1	927D001	调节螺栓/Adjust Screw	1
2	9588D-2	927D002	压脚杆夹/Presser Bar Clamp	1
3	9588D-3	LD00305	外六角螺钉SM4. 76-7/ Screw SM4.76	2
4	9588D-4	TH00020	压簧/Spring	1
5	9588D-5	927D005	压脚杆下套/Presser Bar,Lower	1
6	9588D-6	927D006	压脚杆A/Presser Bar,A	1
7	9588D-7	9588A087	压脚杆上套/Presser Bar,Upper	1
8	9578D-8	9578A089	压脚杆B/Presser Bar,B	1
9	9588D-9	9588A089	压脚杆/Presser Bar	1
10	9588D-10	927D012	橡胶塞13. 5/Rubber Cap	1
11	9588D-11	927D013	橡胶塞20. 5/Rubber Cap	1
12	9588D-12	LD00010	螺钉SM4. 36-8/Screw SM4.36	4
13	9588D-13	9588A180	端面盖/Face Plate	1
14	9588D-14	9588A145	端面盖密封垫/Facking	1
15	9588D-15	9588A023	抬压脚连杆/Connecting Rod	1
16	9588D-16	927D018	连接块轴位螺钉/Shoulder Screw	1
17	9588D-17	927D019	抬压脚杆轴位螺钉/Shoulder Screw	1
18	9588D-18	9588A024	抬压脚杆/knee Lifter Lever	1
19	9588D-19	9588A131	抬压脚杆扭簧/Twist Spring	1
20	9588D-20	LD00171	压脚螺钉SM3. 57-8/ Screw	1
21	9588D-21	928D033	压杆防油套/Presser Bar Defend Oil Set	1
22	9588D-22	9588A188	抬压脚杆轴销/Shaft pin	1
23	9588D-23	DQ00029	平垫圈/Washer	1
24	9588D-24	LM00006	螺母M6/Nut M6	1
25	9588D-25	DQ00053	平垫圈10. 1/ Washer 10.1	1
26	9588D-26	LD00236	内六角圆柱头螺钉M6X14/ Screw M6	1
27	9588D-27	DQ00050	平垫圈6/Washer 6	2
28	9588D-28	9588A168	气缸顶杆垫/Plunger cylinder pad	1
29	9588D-29	LM00027	螺母M6/Nut M6	1
30	9588D-30	9588A132	扭簧限位销/Torsional spring limit pin	1
31	9588D-31	LD00143	紧定螺钉SM5. 95/ Screw SM5. 95	3

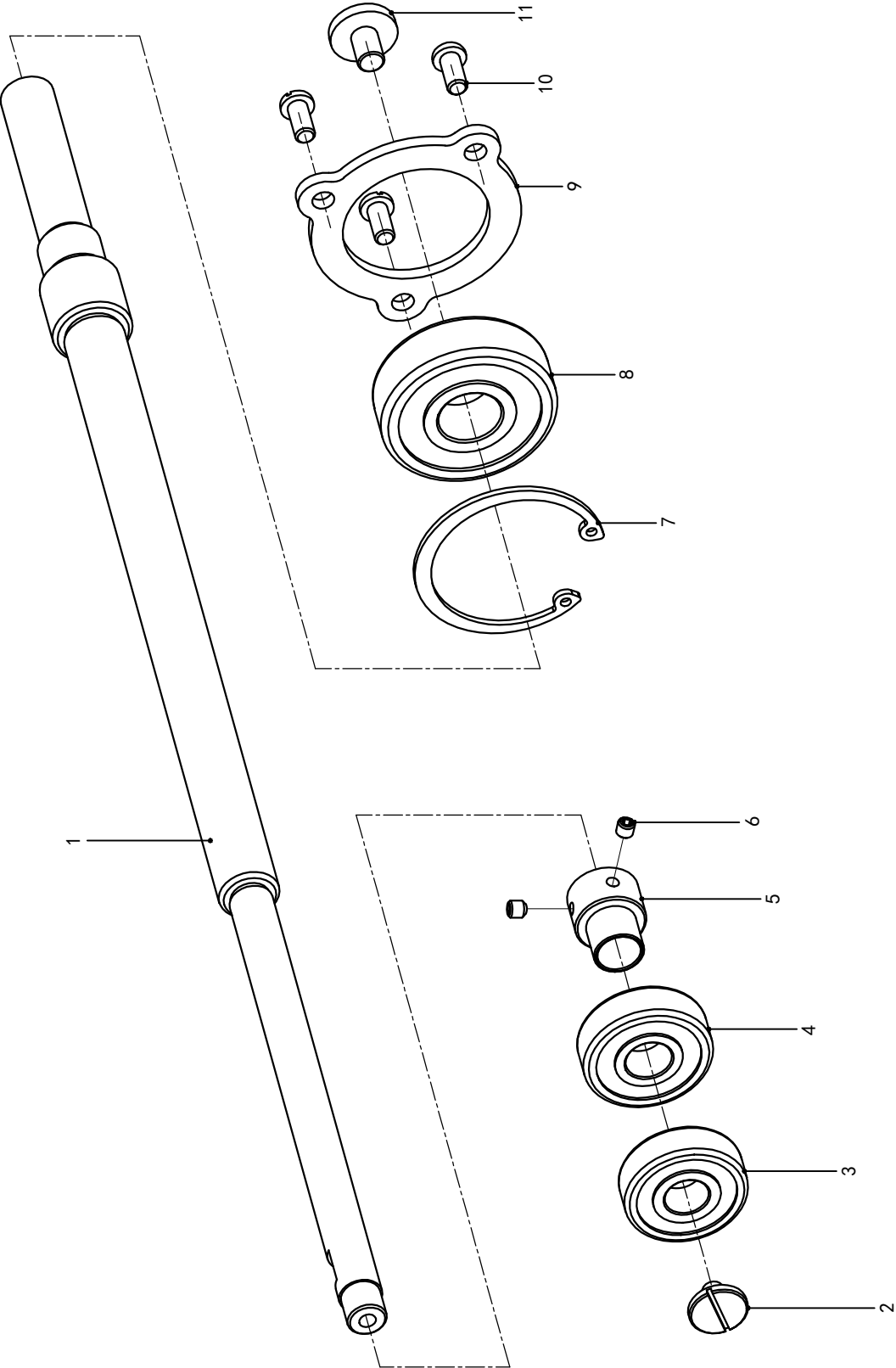
E-送料装置 Feed mechanism



E-送料装置 Feed mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9578E-1	927E001	送料杆偏心销/FeedBarEccentricShaft	1
2	9588E-2	LD00146	紧定螺钉SM5.95-8/Screw SM5.95	2
3	9588E-3	DXQ00004	O形圈10/O Ring	1
4	9588E-4	927E004X	送料杆组件/Feeding Pole Module	1
5	9588E-5	928SPL023	送料杆偏心销/FeedBarEccentricShaft	1
6	9588E-6	927E008	连接块销子/Pin	1
7	9588E-7	LD00003	紧定螺钉M6X6/Screw M6	2
8	9588E-8	927E010X	偏心轮连接块/Presser Bak Lifter	1
9	9588E-9	927E011	调节按钮/Push Button	1
10	9588E-10	TH00021	弹簧/Spring	1
11	9588E-11	DQ00034	平垫圈5/Washer	1
12	9588E-12	DXQ00005	O形圈/O Ring	1
13	9588E-13	TDQ00005	开口挡圈4/Ring	1
14	9588E-14	LD00143	紧定螺钉SM5.95-6/Screw SM5.95	2
15	9578E-15	927E017X	9578偏心调节器组件/9578 Eccentric Adjuster	1
16	9578E-16	927E018	9578偏心齿轮/9578 Eccentric Wheel,Outside	1
17	9588E-17	TXX00006	弹性圆柱销/Pin, Spring	2
18	9588E-18	927E020	齿板/Rachter Stopper	1
19	9588E-19	927E021	扭簧螺钉/Screw	1
20	9588E-20	927E022	扭簧/Twist Spring	1
21	9588E-21	927E023	角度槽偏心轮/Eccentric Wheel,Inside	1
22	9588E-22	TXX00007	弹性圆柱销/Pin, Spring	1
23	9588E-23	928E025	9588偏心齿轮/9588 Eccentric Wheel,Outside	1
24	9588E-24	928E026X	9588偏心调节器组件/9588 Eccentric Adjuster	1
25	9588E-25	LD00147	螺钉SM4.76-8/Screw SM4.76	1
26	9588E-26	LD00148	沉头螺钉SM4.36-9/Screw SM4.36	3
27	9578E-27	927E029X	9578偏心轮/9578 Eccentric Wheel	1
28	9588E-28	928E030X	9588偏心轮/9588 Eccentric Wheel	1
29	9588E-29	9588A129	间隔羊毛毡/Partition sheep felt	1
30	9588E-30	9588A138	防油羊毛毡/Defend oil sheep felt	1
31	9588E-31	998A097	针板定位销/Fixed position Sell	1

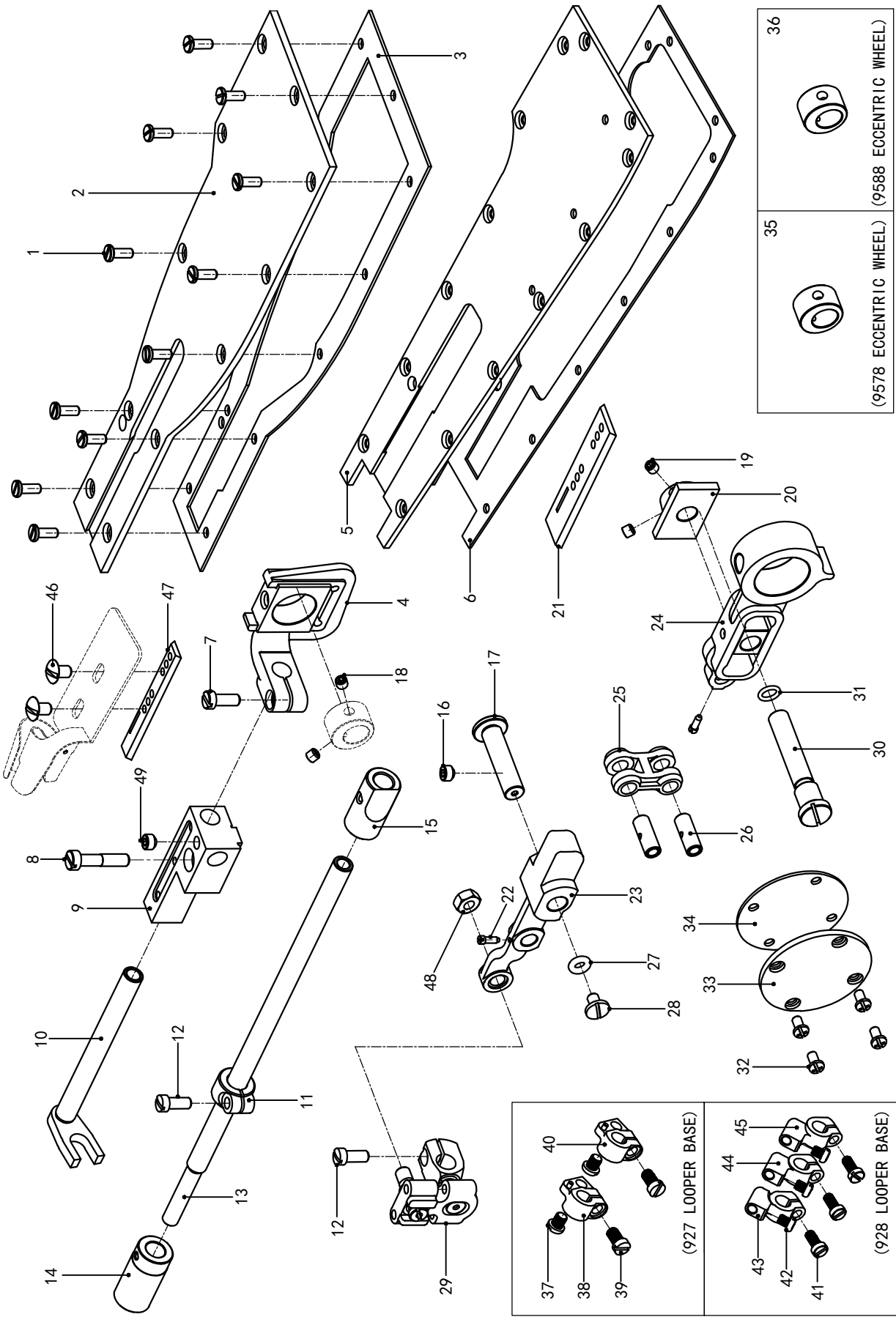
F-下轴装置 Lower shaft mechanism



F-下轴装置 Lower shaft mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588F-1	927F001	下轴/Lower Shaft	1
2	9588F-2	LD00149	螺钉SM4. 36-8. 5/Screw SM4.36	1
3	9588F-3	ZC00011	轴承/Ball Bearing	1
4	9588F-4	ZC00012	轴承/Ball Bearing	1
5	9588F-5	927F005	轴承套筒/Ball Bearing Bush	1
6	9588F-6	LD00197	紧定螺钉M4X3. 2/Screw M4	2
7	9588F-7	TDQ00004	弹性挡圈C42/Retaining Ring	1
8	9588F-8	ZC00009	轴承/Ball Bearing	1
9	9588F-9	927B010	轴承压板/Bearing Presser	1
10	9588F-10	LD00137	螺钉SM4. 76-10/Screw SM4.76	3
11	9588F-11	LD00150	螺钉SM6. 35-9/Screw SM6.35	1

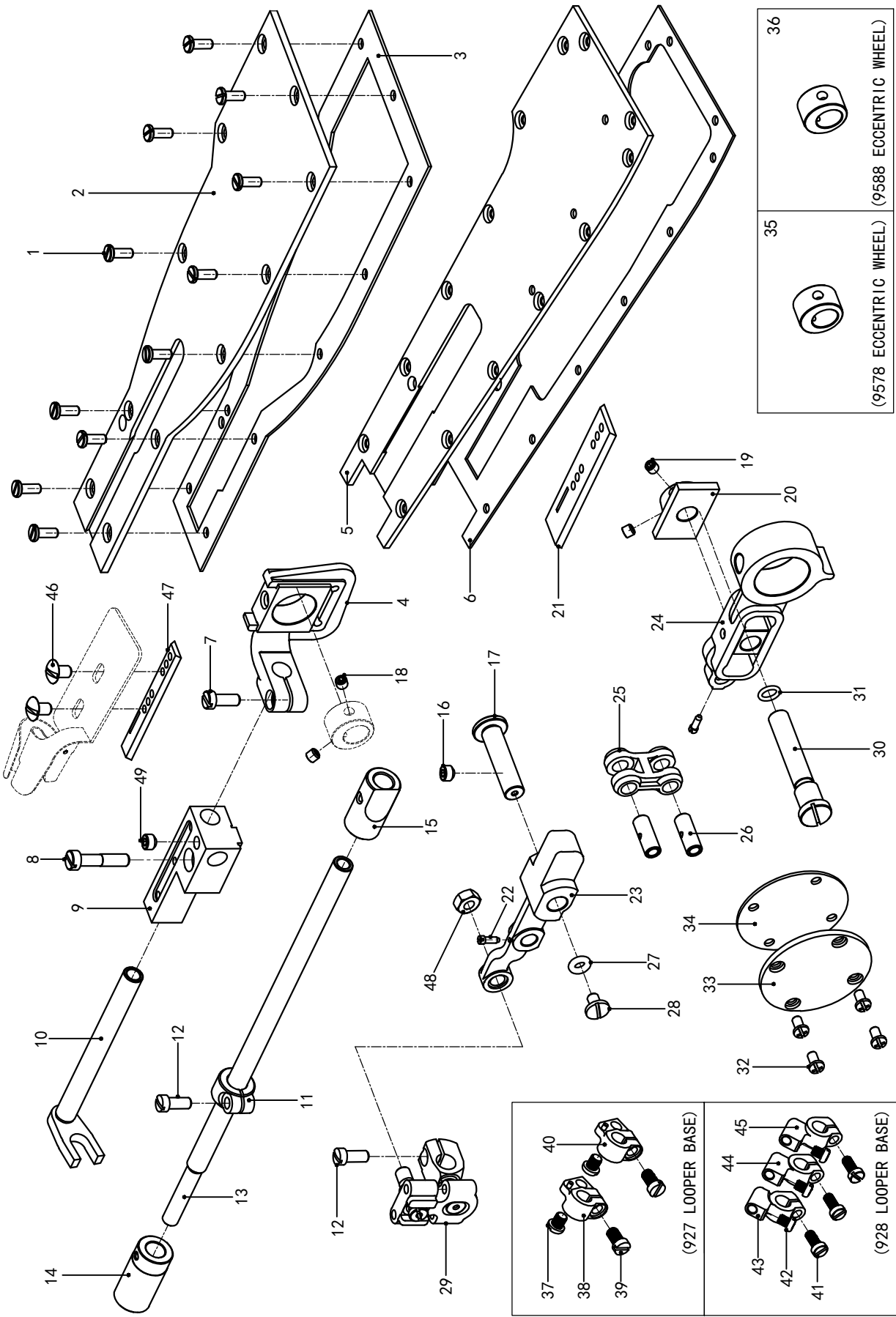
G-挑线叉组件 Lopper mechanism



G-挑线叉组件 Lopper mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588G-1	LD00151	螺钉SM3. 57-8. 9/ Screw SM3.57	11
2	9578G-2	927G002	前臂盖/Front Feed Arm Cap	1
3	9578G-3	927G003	前臂盖防油垫/Packing	1
4	9588G-4	927G004X	拔叉组件/Lopper Peeding Fopk Assy	1
5	9588G-5	928SPL020	前臂盖/Front Feed Arm Cap	1
6	9588G-6	928SPL021	前臂盖防油垫/Packing	1
7	9588G-7	LD00069	螺钉SM4. 36-13/ Screw SM4.36	1
8	9588G-8	LD00153	螺钉SM4. 76-21. 5/ Screw SM4.76	1
9	9588G-9	927G009	拔叉支座/Lopper F/Fopk Shaft Bracke	1
10	9588G-10	927G010X	拔叉轴/Lopper Peeding Fopk Shaft	1
11	9588G-11	927G011	打环器轴挡圈/Looper Shaft SetCollar	1
12	9588G-12	LD00265	螺钉SM4. 36-10/ Screw SM4.36	2
13	9588G-13	998A132	打环器轴/Looper Shaft	1
14	9588G-14	927G014X	打环器轴套筒B/Looper Shaft Bush,B	1
15	9588G-15	927G015X	打环器轴套筒F/Looper Shaft Bush,F	1
16	9588G-16	LD00146	紧定螺钉SM5. 95-8/ Screw SM5.95	1
17	9588G-17	927G017X	打环器连接杆销/Looper Lever Pin	1
18	9588G-18	LD00155	紧定螺钉SM4. 36-3. 5/ Screw SM4.36	2
19	9588G-19	LD00023	紧定螺钉SM4. 36-4/ Screw SM4.36	2
20	9588G-20	927G020	滑块连杆挡板/Plate	1
21	9588G-21	928SPL031	卷边器滑块/Lapper Guide Plate	1
22	9588G-22	927G022	螺钉SM2. 38/ Screw SM2.38	2
23	9588G-23	927G023X	打环器连接杆/Looper Lever	1
24	9588G-24	927G025X	打环器滑块连杆/Looper Connecting Rod	1
25	9588G-25	927G026X	打环器短连杆/Looper Connecting Rod	1
26	9588G-26	927G027X	短连杆销/Connecting Rod Pin	2
27	9588G-27	□XQ00006	O形圈9/O Ring	1
28	9588G-28	LD00156	螺钉SM4. 36/ Screw SM4.36	1
29	9588G-29	927G030X	球头连杆组件/Ball parts	1
30	9588G-30	927G035	打环器滑块销/Slide Brock Shaft	4
31	9588G-31	□XQ00007	O形圈9/O Ring	1
32	9588G-32	LD00135	螺钉SM3. 57-6/ Screw SM3.57	4
33	9588G-33	927G038	圆盖/Ball Bearing	1
34	9588G-34	927G039	圆盖油垫/Packing	1
35	9578G-35	927G040X	9578偏心轮/9578 Eccentric Wheel	1

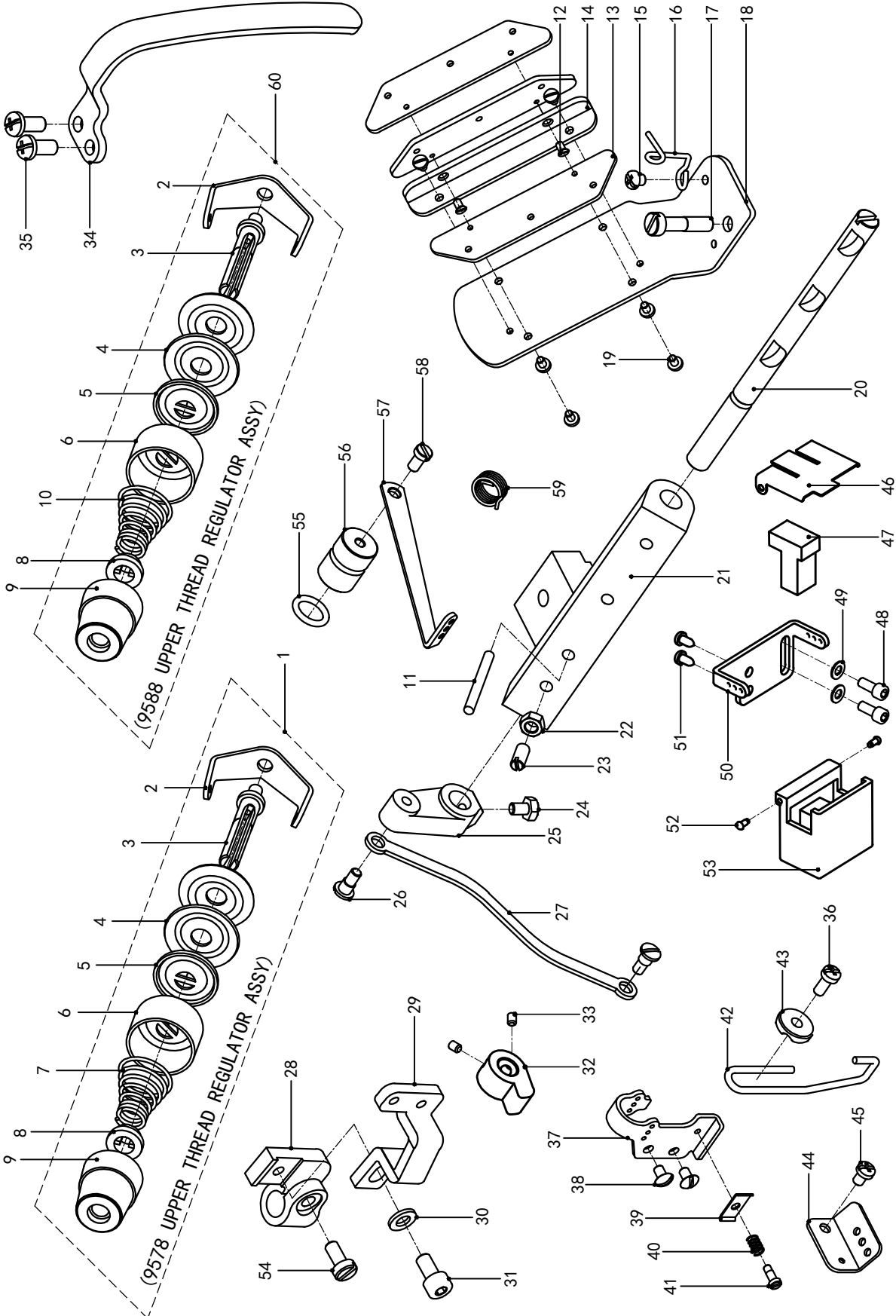
G-挑线叉组件 Lopper mechanism



G-挑线叉组件 Lopper mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9588G-36	928G041X	9588偏心轮/9588Eccentric Wheel	1
37	9588G-37	LD00158	螺钉SM4. 36-5. 5/Screw SM4.36	2
38	9578G-38	927G043	弯针座S/Looper Holder,S	1
39	9588G-39	LD00159	螺钉SM4. 36-8/Screw SM4.36	2
40	9578G-40	927G045	弯针座L/Looper Holder,L	1
41	9588G-41	LD00145	螺钉SM3. 57-8/Screw SM3.57	3
42	9588G-42	LD00160	螺钉SM3. 57-4. 4/Screw SM3.57	3
43	9588G-43	928G048	弯针座L/Looper Holder,L	1
44	9588G-44	928G049	弯针座M/Looper Holder,M	1
45	9588G-45	928G050	弯针座R/Looper Holder,R	1
46	9588G-46	LD00176	螺钉SM3. 57/Screw SM3.57	1
47	9588G-47	927G052	卷边器滑块/Lapper Guide Plate	1
48	9588G-48	LM00002	螺母SM5. 95/Nut SM5.95	1
49	9588G-49	LD00166	螺钉SM5. 95/Screw SM5.95	1

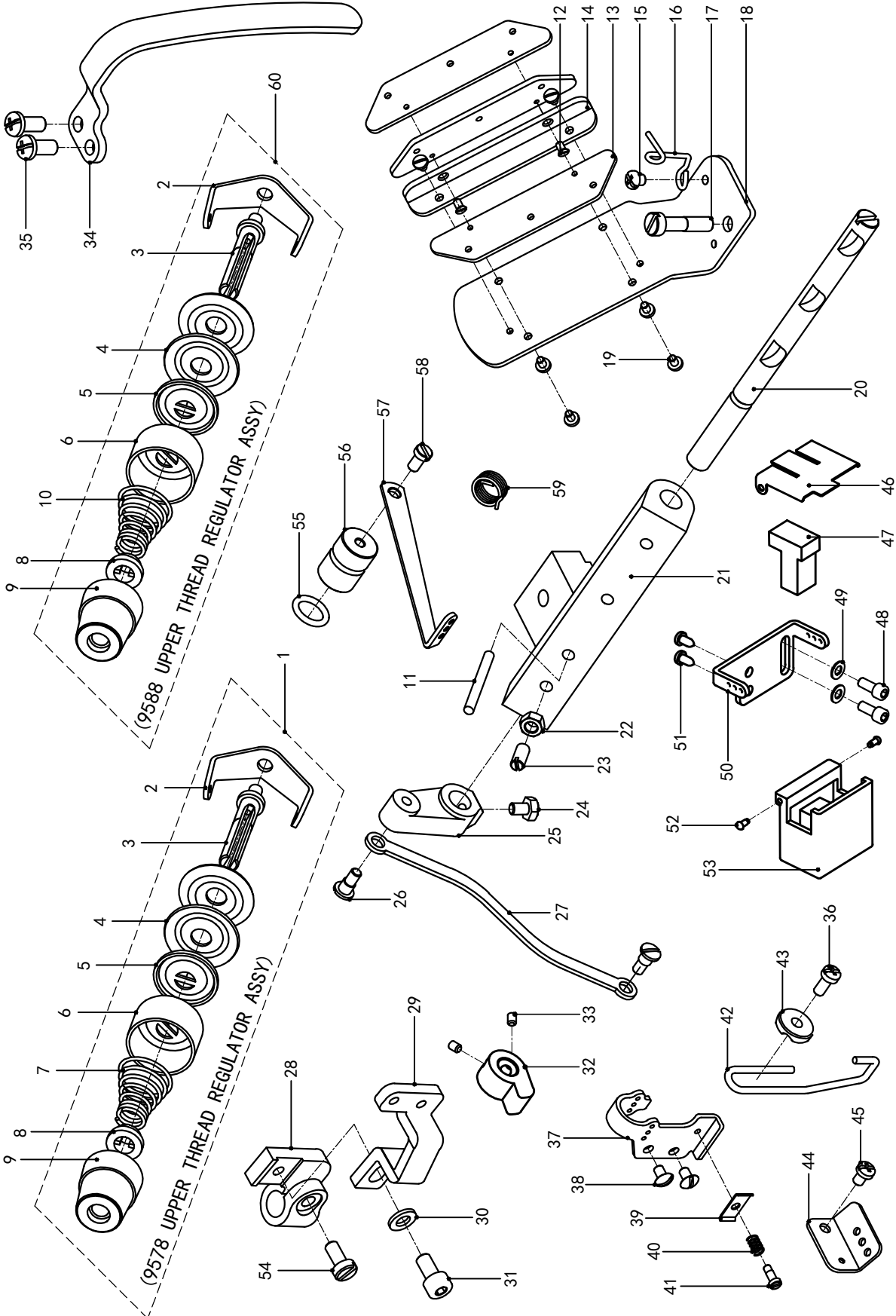
H-上引线装置 Upper threading mechanism



H-上引线装置 Upper threading mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9578H-1	927H001	927夹线器组件/UpperThreadRegulatorAssy	2
2	9588H-2	927H002	夹线器过线板/Needle Thread Guide	3
3	9588H-3	927H003	夹线器柱/Tension Stud	6
4	9588H-4	927H004	夹线板/Tension Disc	3
5	9588H-5	927H005	夹线器顶销压盘/Tension Disc Presser	3
6	9588H-6	927H006	夹线器弹簧压盘/Tension Disc Presser	3
7	9578H-7	927H007	927夹线簧/Spring	2
8	9588H-8	927H008	夹线器齿动齿圈/Tension Disc Washer	3
9	9588H-9	927H009	夹线器调节螺母/Tension Nut	3
10	9588H-10	928H010	928夹线簧/Spring	3
11	9588H-11	927H011	夹线器顶销/Pin	3
12	9588H-12	LD00162	螺钉SM2. 38-4/Screw SM2.38	2
13	9588H-13	927H013	上过线板/Thread Retainer	3
14	9588H-14	927H014	上过线板连接板/Thread Guide Set Plate	1
15	9588H-15	LD00067	螺钉SM3. 57-4/Screw SM3.57	1
16	9588H-16	927H016	上过线板引线钩/Thread Guide	1
17	9588H-17	LD00282	螺钉SM4. 76-24/Screw SM4.76	1
18	9588H-18	927H018	上过线板支架/Upper Thread Guide	1
19	9588H-19	LD00161	螺钉SM2. 38-3. 6/Screw SM2.38	4
20	9588H-20	927H020	夹线器支架轴/Tension Release Shaft	1
21	9588H-21	9588A193	夹线器支架/UpperThread Tension Bracket	1
22	9588H-22	LM00001	螺母SM4. 36/Nut SM4.36	1
23	9588H-23	927H023	螺钉/Screw	1
24	9588H-24	LD00403	螺钉SM4. 36-4/Screw SM4.36	1
25	9588H-25	927H025	松线曲柄/Tension Release Crank	1
26	9588H-26	927H026	松线连杆螺钉/Screw	2
27	9588H-27	927PL063	松线连杆/Tension Release Connecting Rod	1
28	9588H-28	9588A020	挑线杆夹/Raise wire pole Support	1
29	9588H-29	9588A019	挑线杆/Raise wire Support	1
30	9588H-30	DQ00064	平垫圈4/Washer	1
31	9588H-31	LD00104	内六角圆柱头螺钉M4X8/Screw M4	1
32	9588H-32	9588A106	松线凸轮/Loose the CAM	1
33	9588H-33	LD00083	紧定螺钉M5X5/Screw M5	3
34	9588H-34	927H038	上引线装置护手/Thread Take-Up Cover	1
35	9588H-35	LD00137	螺钉SM4. 76-10/Screw SM4.76	2

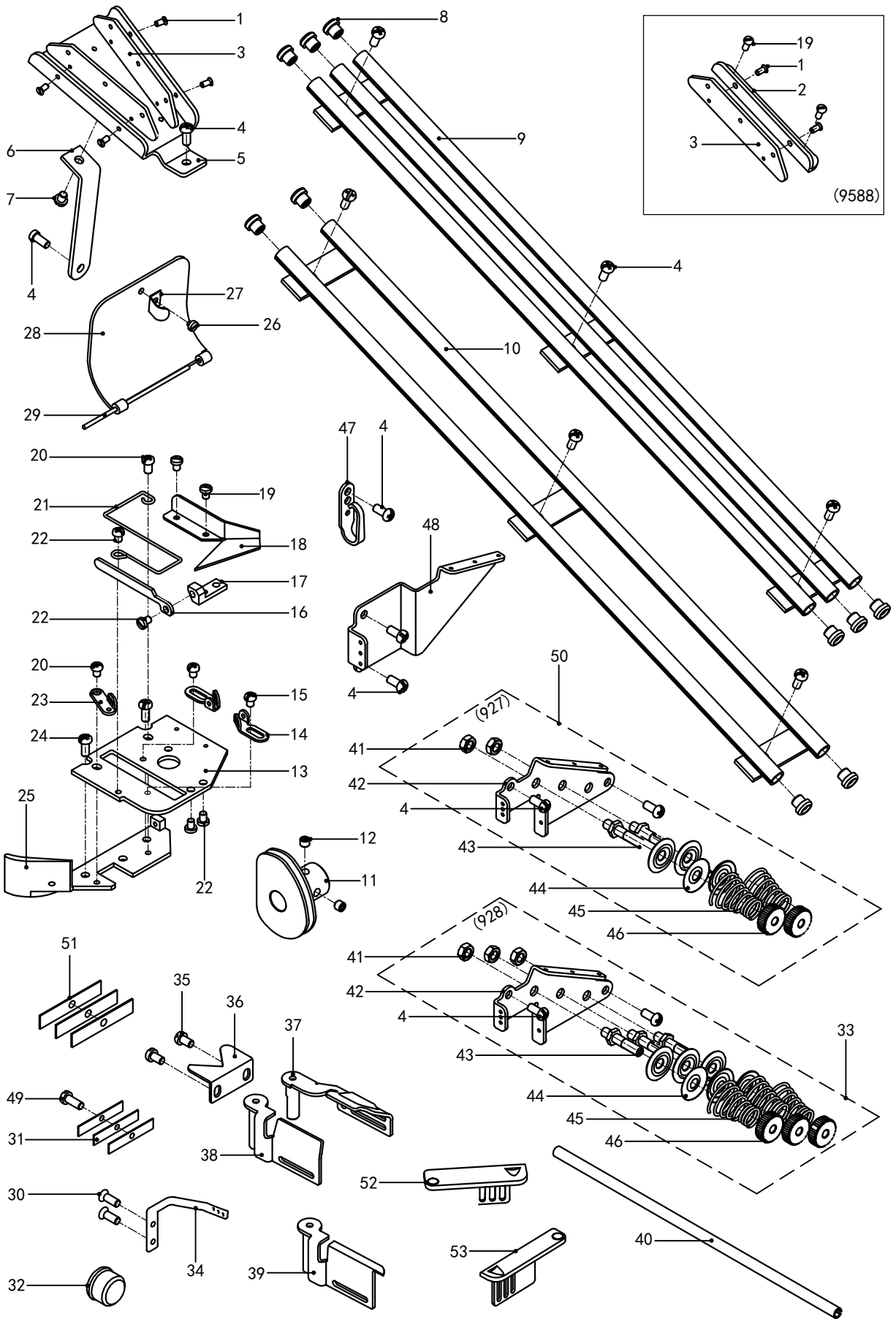
H-上引线装置 Upper threading mechanism



H-上引线装置 Upper threading mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9588H-36	LD00139	螺钉SM3. 57-7. 5/Screw SM3.57	1
37	9588H-37	927H051	上引线板/Upper Thread Guide	1
38	9588H-38	LD00164	螺钉SM3. 18-5/Screw SM3.18	2
39	9588H-39	927H053	上引线板压线板/Thread Tension Disc	1
40	9588H-40	TH00023	弹簧/Spring	1
41	9588H-41	927H055	上引线板弹簧螺钉/Screw	1
42	9588H-42	927H056	上引线钩/Upper Thread Take-Up Guide	1
43	9588H-43	927H057	上引线钩垫块/Washer	1
44	9588H-44	927H058	下引线板/Upper Thread Guide	1
45	9588H-45	LD00135	螺钉SM3. 57-6/Screw SM3.57	1
46	9588H-46	9588A09802	硅油盒上盖/Upper cover	1
47	9588H-47	9588A09801	硅油盒羊毛毡/Felt	1
48	9588H-48	LD00251	内六角圆柱头螺钉M4X8/Screw M4	2
49	9588H-49	DQ00054	平垫圈4. 2/Washer4.2	2
50	9588H-50	9588A097	硅油盒过线板/Lead line plank	1
51	9588H-51	LD00252	自攻螺钉ST3/Screw ST3	2
52	9588H-52	9588H052	铆钉/Rivet	2
53	9588H-53	9588A098	硅油盒/Huo oil box	1
54	9588H-54	LD00420	螺钉SM3. 57-9/Screw SM3.57	1
55	9588H-55	DXQ00023	O形圈/O Ring	1
56	9588H-56	9588A139	中引线柄支架块/Support Piece	1
57	9588H-57	927H041	中引线柄/Thread Guide	1
58	9588H-58	LD00140	螺钉SM3. 57-7/Screw SM3.57	1
59	9588H-59	9588A156	松线凸轮扭簧/Spring	1
60	9588H-60	928H061	928夹线器组件/UpperThreadRegulatorAssy	3

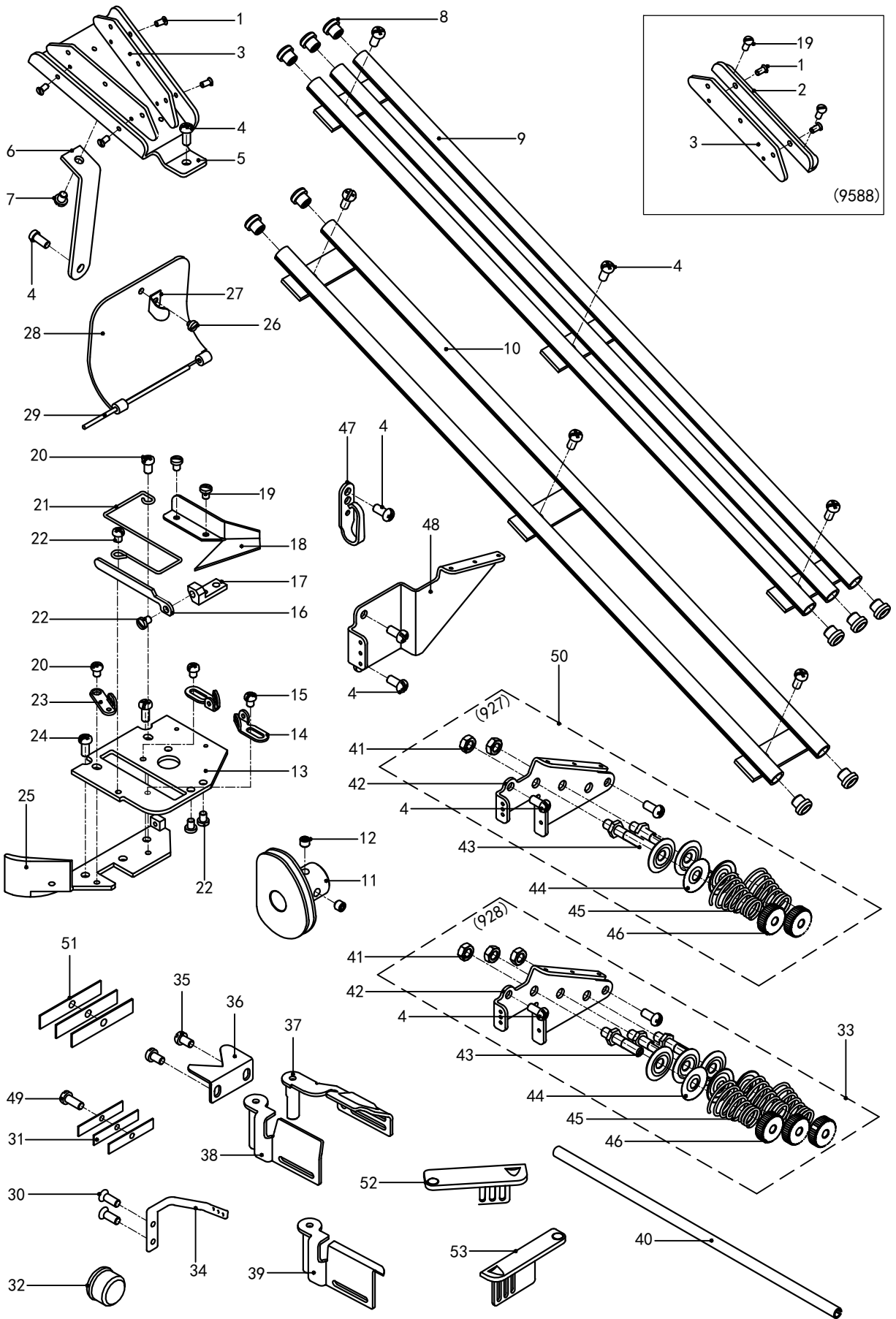
I-下引线装置 Lower threading mechanism



I-下引线装置 Lower threading mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588I-1	LD00162	沉头螺钉SM2.38-4/ Screw SM2.38	6
2	9588I-2	927H014	过线板连接板/Thread Guide Set Plate	1
3	9588I-3	927H013	过线板/Thread Retainer	3
4	9588I-4	LD00134	螺钉SM3.57-8/ Screw SM3.57	10
5	9588I-5	927I005	过线板支架/Lower Thread Guide Retainer	1
6	9588I-6	927I006	过线板支架支撑条/LowerThreadGuideSupport	1
7	9588I-7	LD00067	螺钉SM3.57-4/ Screw SM3.57	1
8	9588I-8	927I008	过线管嵌套/Inclined Guide Tube Nesting	6
9	9588I-9	928I009	928过线管组件/Inclined Guide Tube Assy	1
10	9588I-10	927I010	927过线管组件/Inclined Guide Tube Assy	1
11	9588I-11	927I011	导线轮/Thread Guide	1
12	9588I-12	LD00178	紧定螺钉SM4.36-3.2/ Screw SM4.36	2
13	9588I-13	927I013	下过线器支架板/L/Tr.Take-UpLeverBracket	1
14	9588I-14	927I014	下过线器导线板一/Lower Thread Guide	2
15	9588I-15	LD00179	螺钉3.18-3.2/ Screw SM2.38	2
16	9588I-16	927I016	下过线器压线板/Lower Thread Presser	1
17	9588I-17	927I017	下过线器压线板支架/Thread Release Base	1
18	9588I-18	927I018	下过线器引线板/Guide Plate	1
19	9588I-19	LD00161	螺钉SM2.38-3.6/ Screw SM2.38	4
20	9588I-20	LD00135	螺钉SM3.57-5.5/ Screw SM3.57	2
21	9588I-21	927I021	下过线器导线钢丝/Lower Thread Guide	1
22	9588I-22	LD00167	螺钉SM3.18-4/ Screw SM3.18	4
23	9588I-23	927I023	下过线器导线板二/Lower Thread Guide	1
24	9588I-24	LD00168	螺钉SM3.57-7.5/ Screw SM3.57	2
25	9588I-25	927I025	下过线器支架/L/Tr.Take-UpLeverBracket	1
26	9588I-26	LD00065	螺钉SM2.38-2/ Screw SM2.38	1
27	9588I-27	927I027	下过线器盖弹簧片/Spring	1
28	9588I-28	927I028	下过线器盖/L/ThreadTake-UpLeverCover	1
29	9588I-29	927I029	下过线器盖轴销/Pin	1
30	9588I-30	LD00342	螺钉SM3.18-7/ Screw SM3.18	2
31	9578I-31	927I031	护罩弹簧片/Leaf Spring	3
32	9588I-32	927I032	橡胶塞15.5/Rubber Cap	1
33	9588I-33	927I033	下引线过线器组件(三线)/	1
34	9588I-34	927I034	弯针引线板/Looper Thread Guide	1
35	9588I-35	LD00135	螺钉SM3.57-6/ Screw SM3.57	2

I-下引线装置 Lower threading mechanism







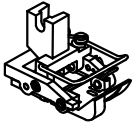
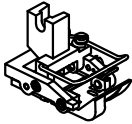
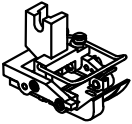
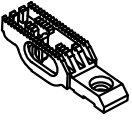
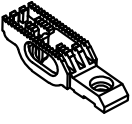
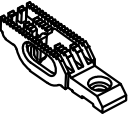
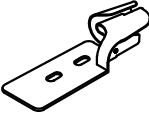
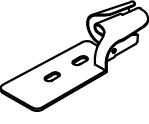
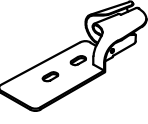








(9588)








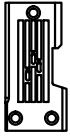
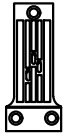
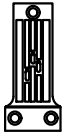

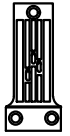
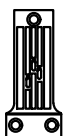

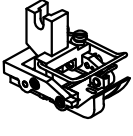

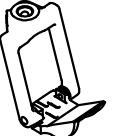
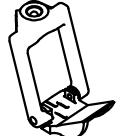
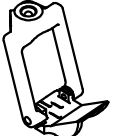
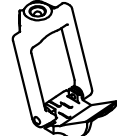

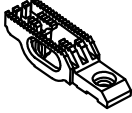
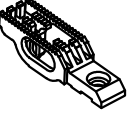
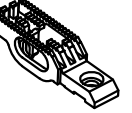
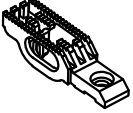
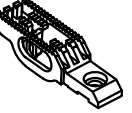
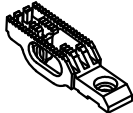
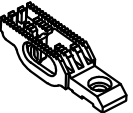
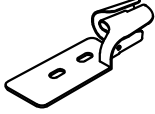
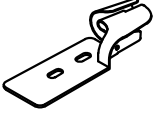
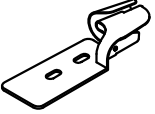
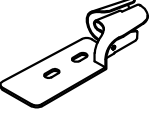
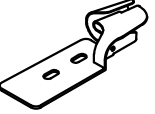
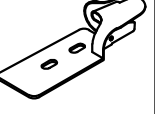

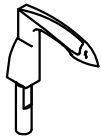


I-下引线装置 Lower threading mechanism

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9588I-36	927I036	割线刀片/Thread Trimmer	1
37	9588I-37	927I037	弯针护罩右/Looper Cover,Ra	1
38	9588I-38	927I038	弯针护罩左/Looper Cover,La	1
39	9588I-39	928I039	弯针护罩左/Looper Cover,Lb	1
40	9588I-40	927I040	前臂过线管/Lower Thread Feed BarGuide	1
41	9588I-41	LM00001	螺母SM4. 36/Nut SM4.36	3
42	9588I-42	927I042	下引线过线板/Thread Retainer	1
43	9588I-43	927I043	下引线夹线器柱/Thread Nipper Prop	3
44	9588I-44	927I044	夹线盘/Thread Guide Disc	6
45	9588I-45	927I045	下引线夹线器簧/Spring	3
46	9588I-46	927I046	下引线夹线器调节螺母/Nut	3
47	9588I-47	927I047	下引线钩/Arm Thread Guide, M	3
48	9588I-48	927I048	下引线板/Lower Thread Guide	1
49	9588I-49	LD00191	螺钉SM3. 57-6/Screw SM3.57	1
50	9578I-50	927I050	下引线过线器组件(两线)	1
51	9588I-51	928SPL026	弹簧片/Leaf Spring	2
52	9588I-52	9588A030	弯针右护罩/Looper Cover, La	1
53	9588I-53	9588A029	弯针左护罩/Looper Cover, Ra	1













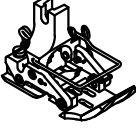
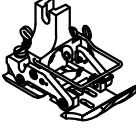
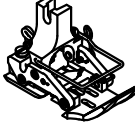
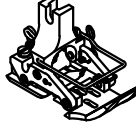
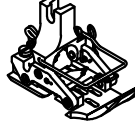
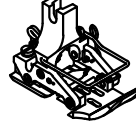

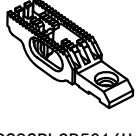


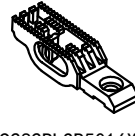







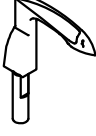


J1-规格零部件表 Different parts list

9578 Thin Materials / Medium Materials							
针位类型 Type	1/8(3.2mm)	3/16(4.8mm)	1/4(6.4mm)				
针夹ZJ Needle Clamp	 927ZJ108	 927ZJ3016	 927ZJ104				
机针JZ Needles	TVx64#14	TVx64#14	TVx64#14				
针板ZB Needle Plate	 927ZB108	 927ZB3016	 927ZB104				
压脚YJ Presser Foot Assy	 927YJ108	 927YJ3016	 927YJ104				
送布牙SB Feed Dog	 927SB108	 927SB3016	 927SB104				
卷边器JB Lapper Assy	 927JB108	 927JB3016	 927JB104				
挑线叉(S) Looper (S)	 927WZ3016S	 927WZ3016S	 927WZ104S				
挑线叉(M) Looper (M)							
挑线叉(L) Looper (L)	 927WZ3016L	 927WZ3016L	 927WZ104L				

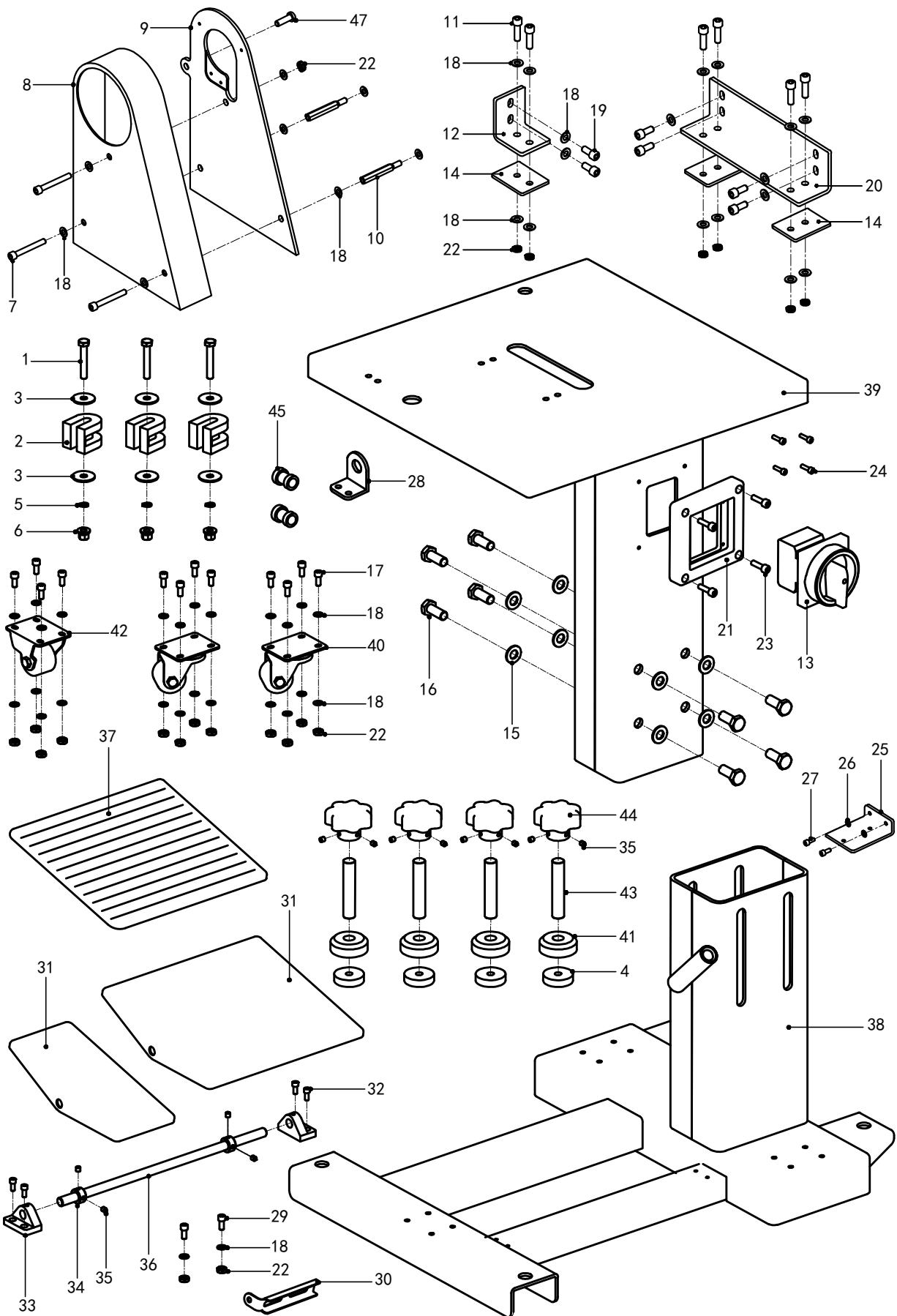
9588 Medium Materials / Heavy Materials

针位类型 Type	1/4 (6.4mm) Thin Materials	1/4 (6.4mm) Medium Materials	5/16 (7.9mm) Medium Materials	3/8 (9.5mm) Medium Materials	1/4 (6.4mm) Heavy Materials	PL5/16 (7.9mm) Heavy Materials	PL3/8 (9.5mm) Heavy Materials
针夹ZJ Needle Clamp	 928ZJ104H	 928ZJ104H	 928ZJ5016H	 928ZJ308H	 928ZJ104H	 928ZJ5016XH	 928ZJ308XH
机针JZ Needles	TVx64#14	TVx5 #18	TVx5 #18	TVx5 #18	TVx5 #21	TVx5 #21	TVx5 #21
针板ZB Needle Plate	 928ZB104L	 9588ZB104H	 9588ZB5016H	 9588ZB308H	 9588ZB104XH	 9588ZB5016XH	 9588ZB308XH
压脚YJ Presser Foot Assy	 928YJ104L	 9588YJ104H	 9588YJ5016H	 9588YJ308H	 9588YJ104XH	 9588YJ5016XH	 9588YJ308XH
送布牙SB Feed Dog	 928SB104L	 9588SB104H	 9588PLSB5016H	 9588PLSB308H	 9588PLSB104XH	 9588PLSB5016XH	 9588PLSB308XH
卷边器JB Lapper Assy	 928JB104L	 928JB104H	 928JB5016H	 928JB308H	 928JB104XH	 928JB5016XH	 928JB308XH
挑线叉(S) Looper (S)	 928WZS40375	←	←	←	←	←	←
挑线叉(M) Looper (M)	 928WZS40376	←	←	←	←	←	←
挑线叉(L) Looper (L)	 928WZS40377	←	←	←	←	←	←

9588 Medium Materials / Heavy Materials

针位类型 Type	1/4 (6.4mm) Medium Materials	5/16 (7.9mm) Medium Materials	3/8 (9.5mm) Medium Materials	1/4 (6.4mm) Heavy Materials	PL5/16 (7.9mm) Heavy Materials	PL3/8 (9.5mm) Heavy Materials	
针夹ZJ Needle Clamp	 928ZJ104H	 928ZJ5016H	 928ZJ308H	 928ZJ104H	 928ZJ5016XH	 928ZJ308XH	
机针JZ Needles	TVx5 #18	TVx5 #18	TVx5 #18	TVx5 #21	TVx5 #21	TVx5 #21	
针板ZB Needle Plate	 9282PLZB104H	 9282PLZB5016H	 9282PLZB308H	 9282PLZB104XH	 9282PLZB5016XH	 9282PLZB308XH	
压脚YJ Presser Foot Assy	 9282PLYJ104H	 9282PLYJ5016H	 9282PLYJ308H	 9282PLYJ104XH	 9282PLYJ5016XH	 9282PLYJ308XH	
送布牙SB Feed Dog	 9282PLSB104H	 9282PLSB5016H	 9282PLSB308H	 9282PLSB104XH	 9282PLSB5016XH	 9282PLSB308XH	
卷边器JB Lapper Assy	 3JB104H	 928JB5016H	 928JB308H	 928JB104XH	 928JB5016XH	 928JB308XH	
挑线叉(S) Looper (S)	 928WZS40375	←	←	←	←	←	
挑线叉(M) Looper (M)	 928WZS40376	←	←	←	←	←	
挑线叉(L) Looper (L)	 928WZS40377	←	←	←	←	←	

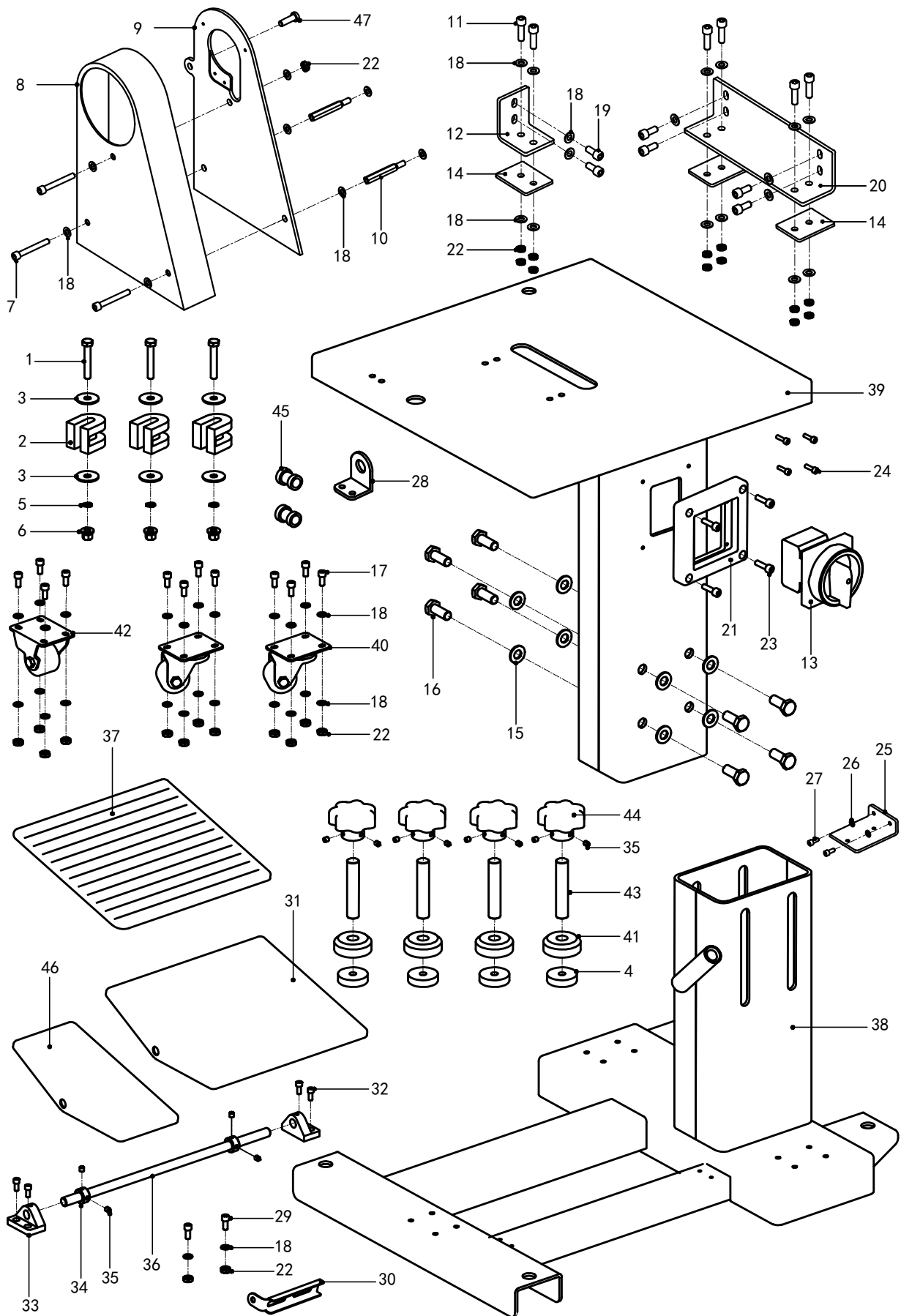
TB-钢结构台板 Treel work table



TB-钢结构台板 Treel work table

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588TB-1	927TB001	电机固定螺栓M8X53	3
2	9588TB-2	927TB060	电机橡胶垫U型/	3
3	9588TB-3	DQ00048	平垫圈/Washer	6
4	9588TB-4	927TB004	橡胶垫/Buff Pad	4
5	9588TB-5	DQ00057	弹性垫圈/Elastic washer	3
6	9588TB-6	LM00026	外六角法兰螺母M8/Nut M8	3
7	9588TB-7	LD00264	内六角圆柱头螺钉M6X60/ Screw M6	3
8	9588TB-8	927PB005	皮带护罩/Pully Cover	1
9	9588TB-9	927PB001	皮带护罩安装板/Pulley Cover fix	1
10	9588TB-10	927PB010	六角螺杆/Screw arbor	2
11	9588TB-11	LD00400	内六角圆柱头螺钉M6X30/ Screw M6	6
12	9588TB-12	927PA011	后固定角支架/Fixed Support	1
13	9588TB-13	927TB013	电源开关/Switch	1
14	9588TB-14	927PA009	角支架减震垫/Cushion Rubber	3
15	9588TB-15	DQ00049	平垫圈/Washer	8
16	9588TB-16	LD00231	六角头螺钉M12X30/Screw M12	8
17	9588TB-17	LD00237	内六角圆柱头螺钉M6X20/Screw M6	12
18	9588TB-18	DQ00050	平垫圈/Washer	52
19	9588TB-19	LD00236	内六角圆柱头螺钉M6X14/ Screw M6	6
20	9588TB-20	927PA008	侧固定角支架/Fixed Support	1
21	9588TB-21	927TB055	电源开关安装板/Mounting plate	1
22	9588TB-22	LM00027	螺母M6/Nut M6	21
23	9588TB-23	LD00250	内六角圆柱头螺钉M5X12/Screw M5	4
24	9588TB-24	LD00116	内六角圆柱头螺钉M4X12/Screw M4	4
25	9588TB-25	927PA057	工作灯安装板/Work light mounting plate	1
26	9588TB-26	DQ00060	平垫圈/Washer	2
27	9588TB-27	LD00258	内六角圆柱头螺钉M5X8/Screw M5	2
28	9588TB-28	9588A003	手滑阀固定支架/Valve fix	1
29	9588TB-29	LD00238	内六角圆柱头螺钉M6X10/Screw M6	2
30	9588TB-30	927TB061	拉杆片/Rod piece	1
31	9588TB-31	927TB031	脚踏板/Foot Steep	1
32	9588TB-32	LD00233	内六角圆柱头螺钉M5X10/Screw M5	4
33	9588TB-33	927TB033	踏板脚架/Footstep seat	2
34	9588TB-34	9588A124	踏板挡圈/Footstep Collar	2
35	9588TB-35	LD00003	内六角紧定螺钉M6X6/Screw M6	10

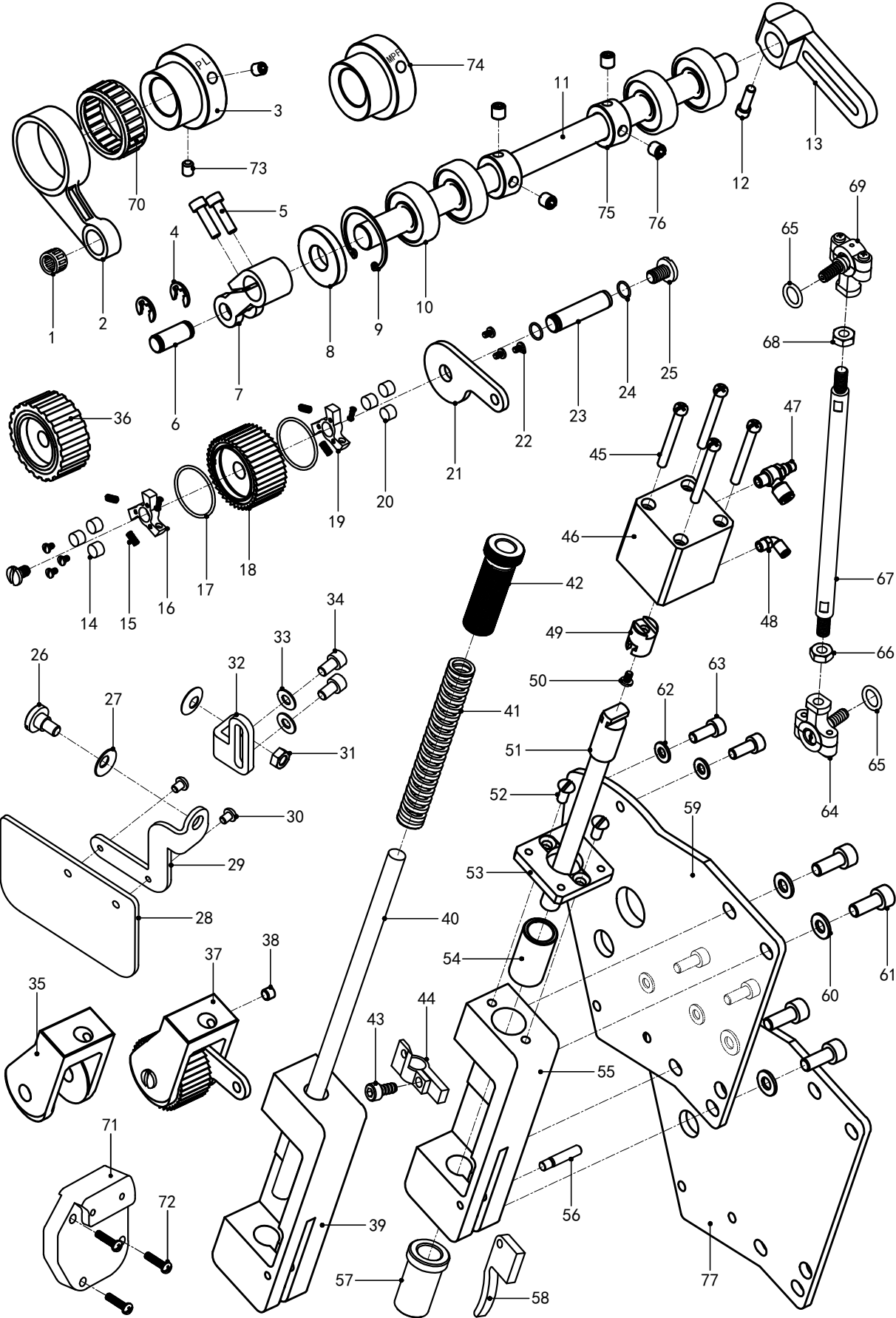
TB-钢结构台板 Treel work table



TB-钢结构台板 Treel work table

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9588TB-36	927TB036	踏板轴/Footstep Shaft	1
37	9588TB-37	9588TB037	踏板橡胶垫/Pedal rubber mat	1
38	9588TB-38	927TB053	下脚架焊接件/Down Footstep support	1
39	9588TB-39	927TB052	上台板焊接件/Up Platform	1
40	9588TB-40	927TB040	动轮/Move wheel	2
41	9588TB-41	927TB051	脚座/Foot seat	4
42	9588TB-42	927TB042	定轮/Calm wheel	1
43	9588TB-43	927TB047	调节螺柱/Adjust spiral roller	4
44	9588TB-44	927TB045	调节法兰/Adjust Flange	4
45	9588TB-45	927PB012	线护套/Guard cover	1
46	9588TB-46	927TB046	踏板/Footstep	2
47	9588TB-47	LD00290	螺钉SM4.76-17/Screw SM4.76	1

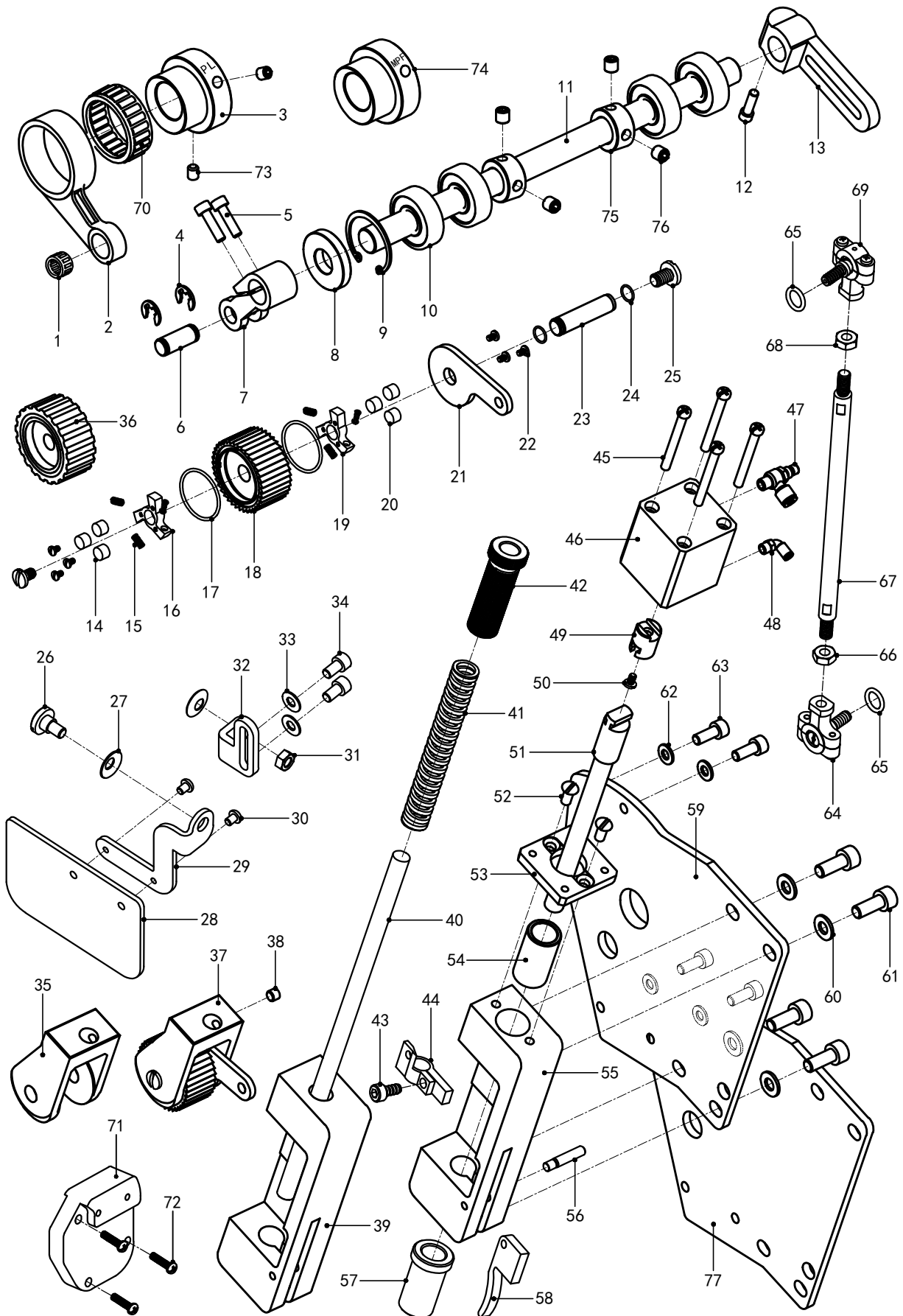
PL-直驱拖轮 Direct drive haul material wheel



PL-直驱拖轮 Direct drive haul material wheel

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588PL-1	ZC00010	滚针轴承/Ball Bearing	1
2	9588PL-2	9588A044	偏连杆/Connecting Rod	1
3	9588PL-3	9588A043	偏心轮PL/Eccentric Wheel	1
4	9588PL-4	TDQ00006	开口挡圈8/Openings Collar	2
5	9588PL-5	LD00247	内六角圆柱头螺钉M4X14/ Screw M4	2
6	9588PL-6	9588A052	短连杆轴销/Sell son	1
7	9588PL-7	9588A053	短连杆/Short connect a pole	1
8	9588PL-8	YF00002	油封12X28X8/Oil seal	1
9	9588PL-9	TDQ00009	弹性挡圈/Retaining Ring	2
10	9588PL-10	ZC00020	轴承/Ball Bearing	4
11	9588PL-11	9588A057	直驱轴/Shaft	1
12	9588PL-12	LD00092	内六角圆柱头螺钉M5X16/ Screw M5	1
13	9588PL-13	9588A058	调节连杆/Adjusting Rod Assembly	1
14	9588PL-14	9588A059	止动滚子/Rolling Shaft	3
15	9588PL-15	TH00024	压簧/Spring	6
16	9588PL-16	9588A061	止动星轮/Star Ferry	1
17	9588PL-17	DXQ00018	O形圈/O Ring	2
18	9588PL-18	9588A063	齿轮/Wheel gear	1
19	9588PL-19	9588A064	驱动星轮/Star Ferry	1
20	9588PL-20	9588A065	驱动滚子/Rolling Shaft	3
21	9588PL-21	9588A066	拖轮拉杆/Pull a pole	1
22	9588PL-22	LD00266	螺丝M3/Screw M3	6
23	9588PL-23	9588A068	拖轮轴销/Tow axle pin	1
24	9588PL-24	DXQ00019	O形圈/O Ring	2
25	9588PL-25	LD00156	螺钉SM4.36/Screw SM4.36	2
26	9588PL-26	9588A034	轴位螺钉/Stalk bolt	1
27	9588PL-27	DQ00016	盘形垫片/Washer	2
28	9588PL-28	M03-03	档针板/Retaining needle plate	1
29	9588PL-29	9588A127	护板支架/Guard bracket	1
30	9588PL-30	LD00260	十字盘头螺丝M3X5/Screw M3	2
31	9588PL-31	LM00001	螺母SM4.36/Nut SM4.36	1
32	9588PL-32	9588A128	护板角支架/Voids brace	1
33	9588PL-33	DQ00054	平垫圈/Washer	2
34	9588PL-34	LD00261	内六角圆柱头螺钉M4X6/ Screw M4	2
35	9588PL-35	9588A071	拖轮支架/Puller Stent	1

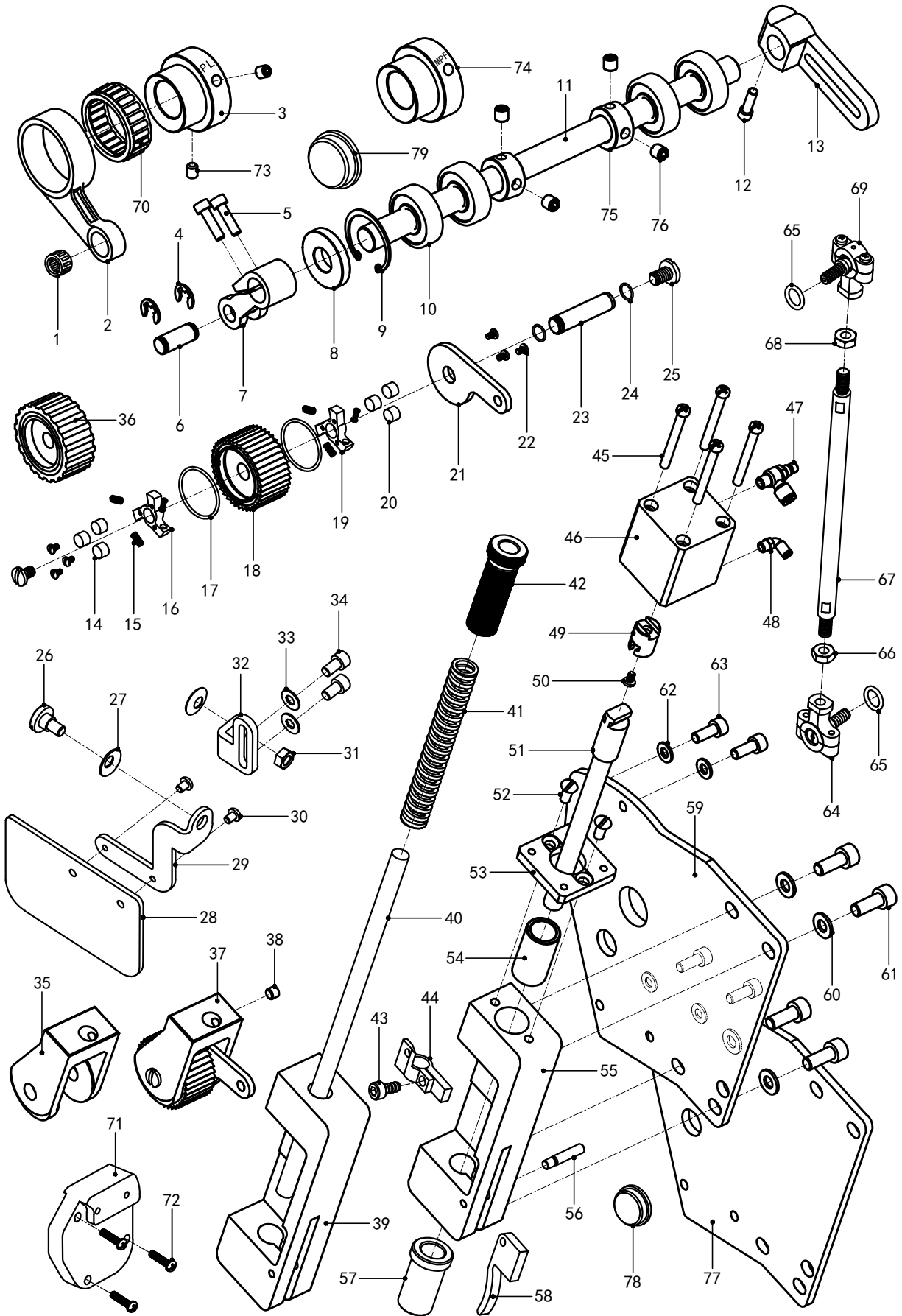
PL-直驱拖轮 Direct drive haul material wheel



PL-直驱拖轮 Direct drive haul material wheel

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9578PL-36	9588A06302	胶轮/Lugs	1
37	9588PL-37	9588A071ZJ	拖轮组件/Tug components	1
38	9588PL-38	LD00003	内六角紧定螺钉M6X6/Screw M6	2
39	9588PL-39	9588A07901	拖轮安装支架/Install plank	1
40	9588PL-40	927PL026	压杆轴/Presser Bar	1
41	9588PL-41	V18-02	压簧/Spring	1
42	9588PL-42	927PST001	调节螺丝/Presser Adjust Screw	1
43	9588PL-43	LD00044	内六角圆柱头螺钉M5X10/Screw M5	1
44	9588PL-44	927PL035	调压杆夹/Presser Bar Clamp	1
45	9588PL-45	LD00227	螺钉M4-38/Screw M4	4
46	9588PL-46	927Q.1.16	气缸SDA20X20/Cylinder SDA20X20	1
47	9588PL-47	927Q.2.18	单向节流阀ASL4-M5/Valve ASL4-M5	1
48	9588PL-48	927Q.2.29	L型接头PL04M5C/“L” Connector PL04M5C	1
49	9588PL-49	9588A073	压杆上连接/Press a pole	1
50	9588PL-50	LD00104	内六角圆柱头螺钉M4X8/Screw M4	1
51	9588PL-51	9588A075	压杆/Press a pole Connect	1
52	9588PL-52	LD00148	沉头螺钉SM4.36/Screw SM4.36	2
53	9588PL-53	9588A077	拖轮气缸安装板/Install plank	1
54	9588PL-54	9588A078	压杆上套/Presser Bar,Upper	1
55	9588PL-55	9588A079	拖轮安装支架/Install plank	1
56	9588PL-56	927PL029	扳手销/Support Stud	1
57	9588PL-57	927PL031	压杆轴套/Presser Bar Bush,D	1
58	9588PL-58	927PL030	扳手/Presser Foot Lifter	1
59	9588PL-59	9588A080	面板/Front-panel	1
60	9588PL-60	DQ00050	平垫圈6/Washer 6	4
61	9588PL-61	LD00249	内六角圆柱头螺钉M6X12/Screw M6	4
62	9588PL-62	DQ00052	平垫圈5/Washer5	4
63	9588PL-63	LD00250	内六角圆柱头螺钉M5X12/Screw M5	4
64	9588PL-64	927PL017	关节轴承组件(下)/Ball parts(Lower)	1
65	9588PL-65	DXQ00012	O型圈/O Ring	2
66	9588PL-66	LM00018	螺母M6左旋/Nut M6-LH	1
67	9588PL-67	9588A090	拉杆/Pull a pole	1
68	9588PL-68	LM00006	螺母M6/Nut M6	1
69	9588PL-69	927PL013	关节轴承组件(上)/Ball parts(Upper)	1
70	9588PL-70	ZC00017	滚针轴承/Ball Bearing	1

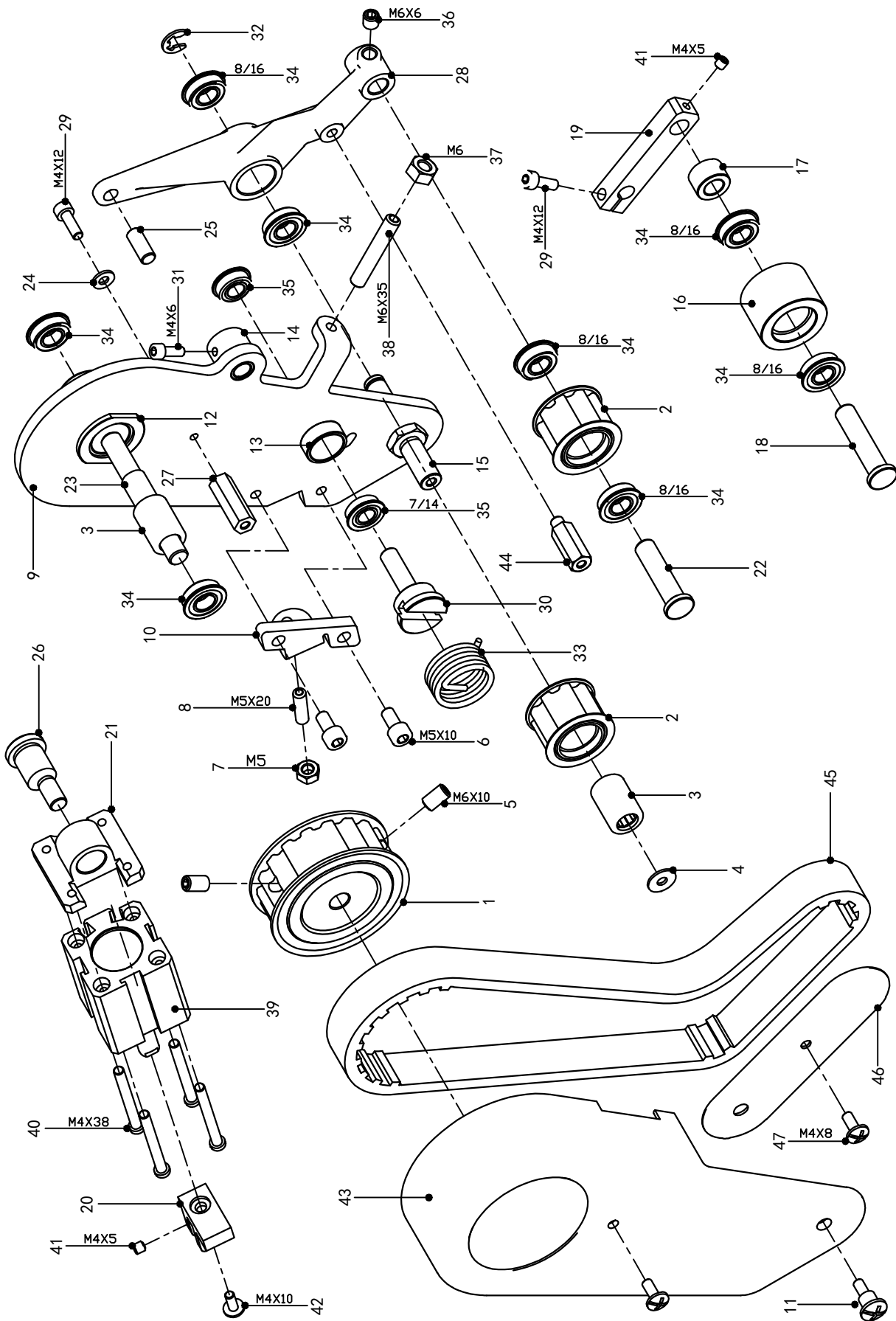
PL-直驱拖轮 Direct drive haul material wheel



PL-直驱拖轮 Direct drive haul material wheel

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
71	9588PL-71	927PL065	拖布轮垫块/Round mat piece	1
72	9588PL-72	LD00189	螺钉SM3.57-15/Screw SM3.57	3
73	9588PL-73	LD00138	紧定螺钉SM6.35-8/Screw SM6.35	2
74	9588PL-74	9588A043PF	偏心轮MPF/Eccentric Wheel	1
75	9588PL-75	9588A124	踏板挡圈/Footstep Collar	2
76	9588PL-76	LD00003	内六角紧定螺钉M6X6/Screw M6	4
77	9588PL-77	9578A080	面板/Front-panel	1
78	9588PL-78	9588A107	橡胶塞20.5/Rubber Cap	1
79	9588PL-79	9588A119	橡胶塞28/Rubber Cap	1

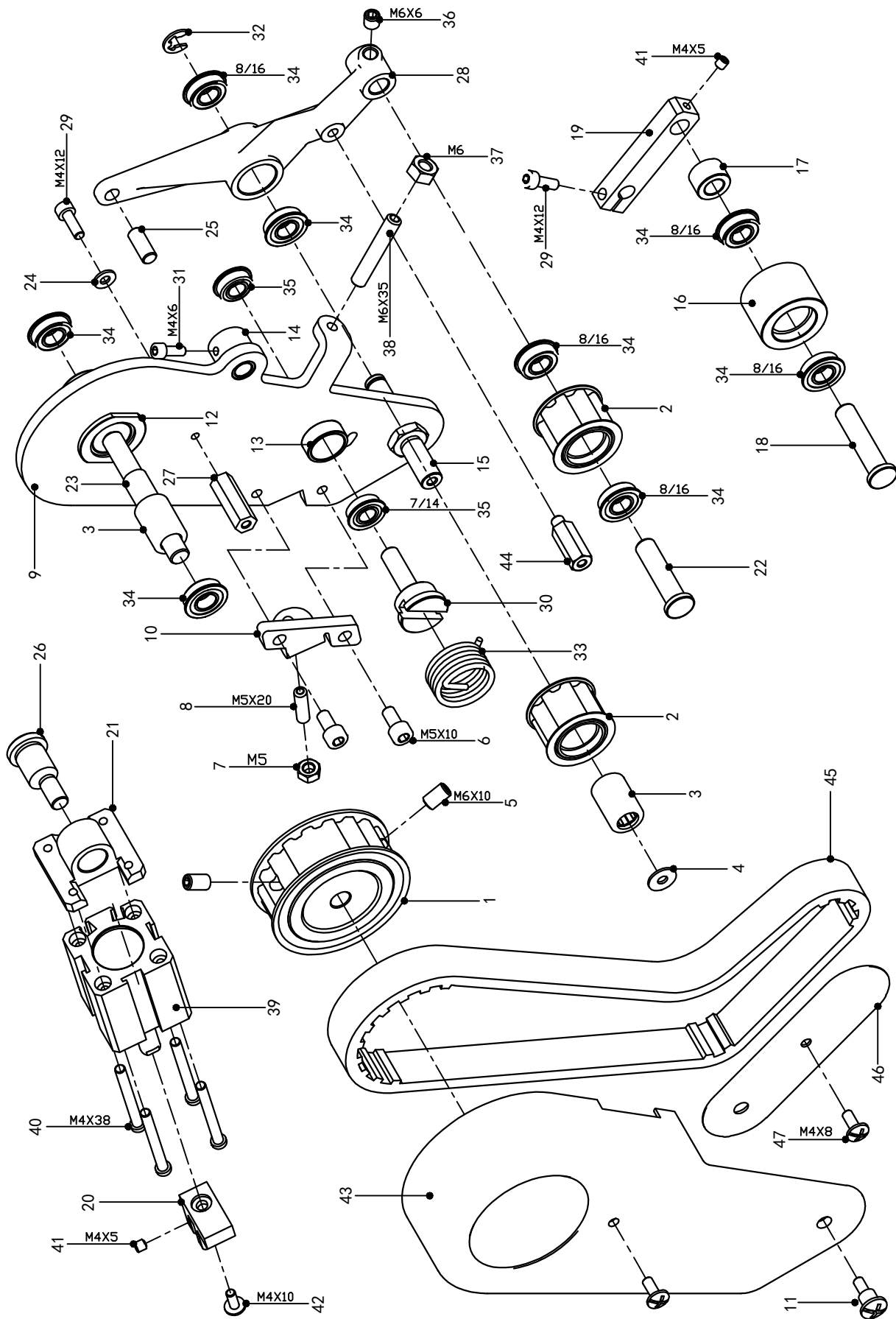
MPF-气控拖轮装置 Gas control device



MPF-气控拖轮装置 Gas control device

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588MPF-1	9588PF001	大同步轮 (L型) /Large synchronous wheel	1
2	9588MPF-2	9588PF002	小同步轮 (L型) /Small synchronous wheel	2
3	9588MPF-3	ZC00028	单向滚针轴承/ Bearing	2
4	9588MPF-4	DQ00065	平垫圈/Washer	1
5	9588MPF-5	LD00001	内六角紧定螺钉M6X10/Screw M6	2
6	9588MPF-6	LD00044	内六角圆柱头螺钉M5X10/ Screw M5	2
7	9588MPF-7	LM00017	螺母M5/Nut M5	1
8	9588MPF-8	LD00268	内六角紧定螺钉M5X20/Screw M5	1
9	9588MPF-9	9588PF009	拖轮安装板组件/Mounting plate component	1
10	9588MPF-10	9588PF010	限位角支架/Limit Angle bracket	1
11	9588MPF-11	9588PF052	轴位螺钉/Stalk bolt	1
12	9588MPF-12	9588PF012	大同步轮嵌套/Nested	1
13	9588MPF-13	9588PF013	压紧轮嵌套/Pinch roller nested	1
14	9588MPF-14	9588PF014	气缸限位销嵌套/Limit pin cylinder nested	1
15	9588MPF-15	9588PF015	下过渡同步轮轴销/Shaft pin	1
16	9588MPF-16	9588PF016	压紧轮/Pinch roller	1
17	9588MPF-17	9588PF017	压紧轮垫圈/Pinch roller washer	1
18	9588MPF-18	9588PF018	压紧轮轴销/Pressure shaft pin	1
19	9588MPF-19	9588PF019	压紧轮连杆/Pinch roller connecting rod	1
20	9588MPF-20	9588PF020	气缸连接块/Cylinder connecting piece	1
21	9588MPF-21	9588PF021	气缸连接座/Cylinder connecting seat	1
22	9588MPF-22	9588PF022	小同步轮轴销/Shaft pin	1
23	9588MPF-23	9588PF023	大同步轮轴/Large synchronous shaft	1
24	9588MPF-24	DQ00064	平垫圈4/Washer 4	1
25	9588MPF-25	9588PF025	连接块销/Connection piece pin	1
26	9588MPF-26	9588PF026	气缸限位轴销/Shaft pin	1
27	9588MPF-27	9588PF027	皮带罩安装柱/Install the column	1
28	9588MPF-28	9588PF028	小同步轮摆动连杆/Swinging rod	1
29	9588MPF-29	LD00116	内六角圆柱头螺钉M4X12/Screw M4	2
30	9588MPF-30	9588PF030	扭簧轴销/Torsional spring shaft pin	1
31	9588MPF-31	LD00182	内六角圆柱头螺钉M4X6/Screw M4	1
32	9588MPF-32	TDQ00006	开口挡圈6/Open ring	1
33	9588MPF-33	9588PF033	压紧轮扭簧/Pinch roller torsional spring	1
34	9588MPF-34	ZC00024	带挡边深沟球轴承8/Bearing	8
35	9588MPF-35	ZC00025	带挡边深沟球轴承7/Bearing	2

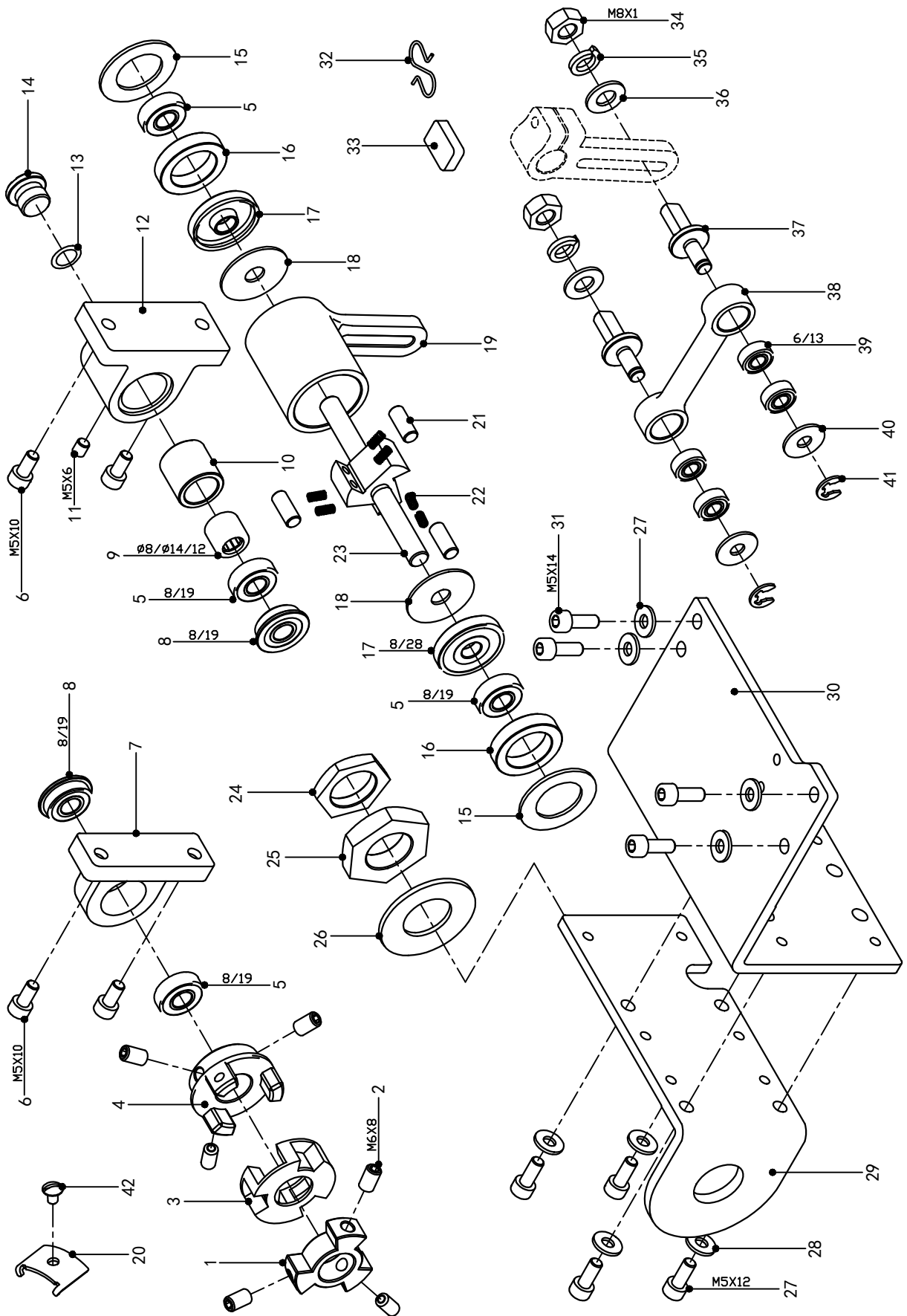
MPF-气控拖轮装置 Gas control device



MPF-气控拖轮装置 Gas control device

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9588MPF-36	LD00003	内六角紧定螺钉M6X6/Screw M6	1
37	9588MPF-37	LM00006	螺母M6/Nut M6	1
38	9588MPF-38	LD00269	内六角紧定螺钉M6X35/Screw M6	1
39	9588MPF-39	927Q.1.16	气缸SDA20X20/Cylinder SDA20X20	1
40	9588MPF-40	LD00227	螺钉M4-38/Screw M4	4
41	9588MPF-41	LD00074	内六角紧定螺钉M4X5/ Screw M4	2
42	9588MPF-42	LD00272	一字螺钉M4X10/Screw M4	1
43	9588MPF-43	9588PF071	拖轮罩壳/Tug housings	1
44	9588MPF-44	9588PF068	挡板安装柱/Install the column	1
45	9588MPF-45	9588PF073	同步带210L/Synchronous belt	1
46	9588MPF-46	9588PF070	小同步轮挡板/Baffle	1
47	9588MPF-47	LD00271	一字螺钉M4/Screw M4	2

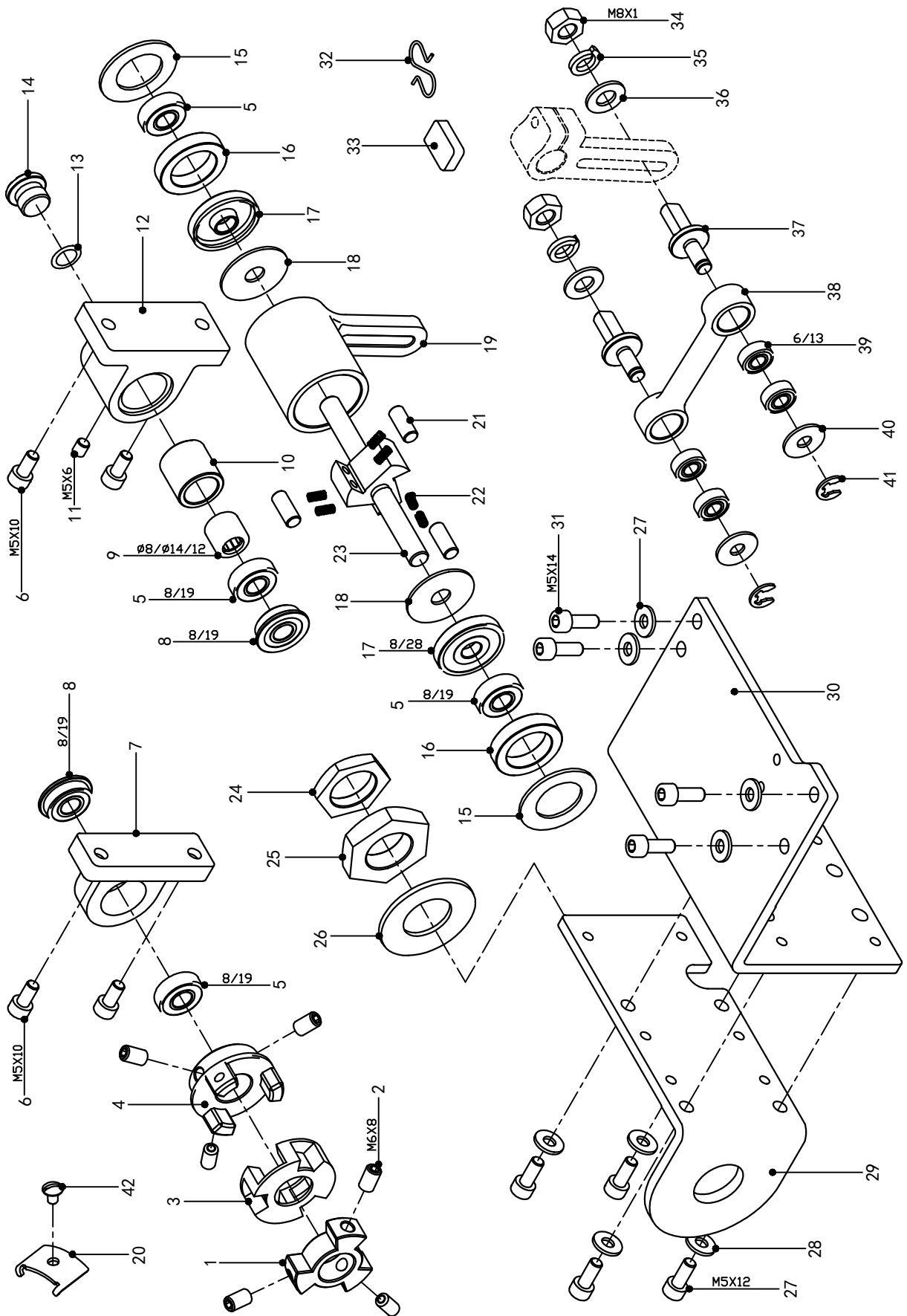
PD-拖轮驱动装置 Drive to equip



PD-拖轮驱动装置 Drive to equip

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588PD-1	9588PF085	联轴器B/Shaft coupling B	1
2	9588PD-2	LD00097	内六角紧定螺钉M6X8/Screw M6	6
3	9588PD-3	9588PF084	联轴器缓冲垫/Cushion	2
4	9588PD-4	9588PF083	联轴器A/Shaft coupling A	1
5	9588PD-5	ZC00030	深沟球轴承8/Bearing	4
6	9588PD-6	LD00044	内六角圆柱头螺钉M5X10/ Screw M5	4
7	9588PD-7	9588PF045	轴承座/Bearing block	1
8	9588PD-8	ZC00029	带挡边深沟球轴承8/Bearing	2
9	9588PD-9	ZC00026	单向滚针轴承/Bearing	1
10	9588PD-10	9588PF011	单向滚针轴承套/Bearing	1
11	9588PD-11	LD00002	内六角紧定螺钉M5X6/Screw M5	1
12	9588PD-12	9588PF007	单向驱动轴安装座/Install the seat	1
13	9588PD-13	DXQ00025	O形圈/O Ring	1
14	9588PD-14	LD00273	螺钉M16X1/Screw M16	1
15	9588PD-15	DQ00066	平垫圈/Washer	2
16	9588PD-16	9588PF044	轴承套/Bearing sleeve	2
17	9588PD-17	YF00003	油封/Oil seal	2
18	9588PD-18	DQ00059	驱动星轮间隔垫圈/Washer	2
19	9588PD-19	9588PF004	驱动摆杆/Drive the swinging rod	1
20	9588PD-20	9588PF089	缓冲垫限位片/Cushion limit	3
21	9588PD-21	9588PF077	滚子/Roller	3
22	9588PD-22	TH00024	滚子弹簧/Roller spring	3
23	9588PD-23	9588PF024	星轮驱动轴/The star wheel drive shaft	1
24	9588PD-24	LM00034	小螺母M20X1/Nut M20	1
25	9588PD-25	LM00033	大螺母M20X1/Nut M20	1
26	9588PD-26	9588PF029	盘形垫圈/Disc washer	1
27	9588PD-27	LD00094	内六角圆柱头螺钉M5X12/Screw M5	4
28	9588PD-28	DQ00060	平垫圈/Washer	8
29	9588PD-29	9588PF008	拖轮安装支架/Tug mounting bracket	1
30	9588PD-30	9588PF006	拖轮固定角支架/Tug fixed angle bracket	1
31	9588PD-31	LD00267	内六角圆柱头螺钉M5X14/Screw M5	3
32	9588PD-32	9588PF088	油毡限位簧/Linoleum limit spring	1
33	9588PD-33	9588PF082	驱动摆杆羊毛毡/Felt	1
34	9588PD-34	LM00035	螺母M8X1/Nut M8	2
35	9588PD-35	DQ00062	弹簧垫圈8/Spring washer	2

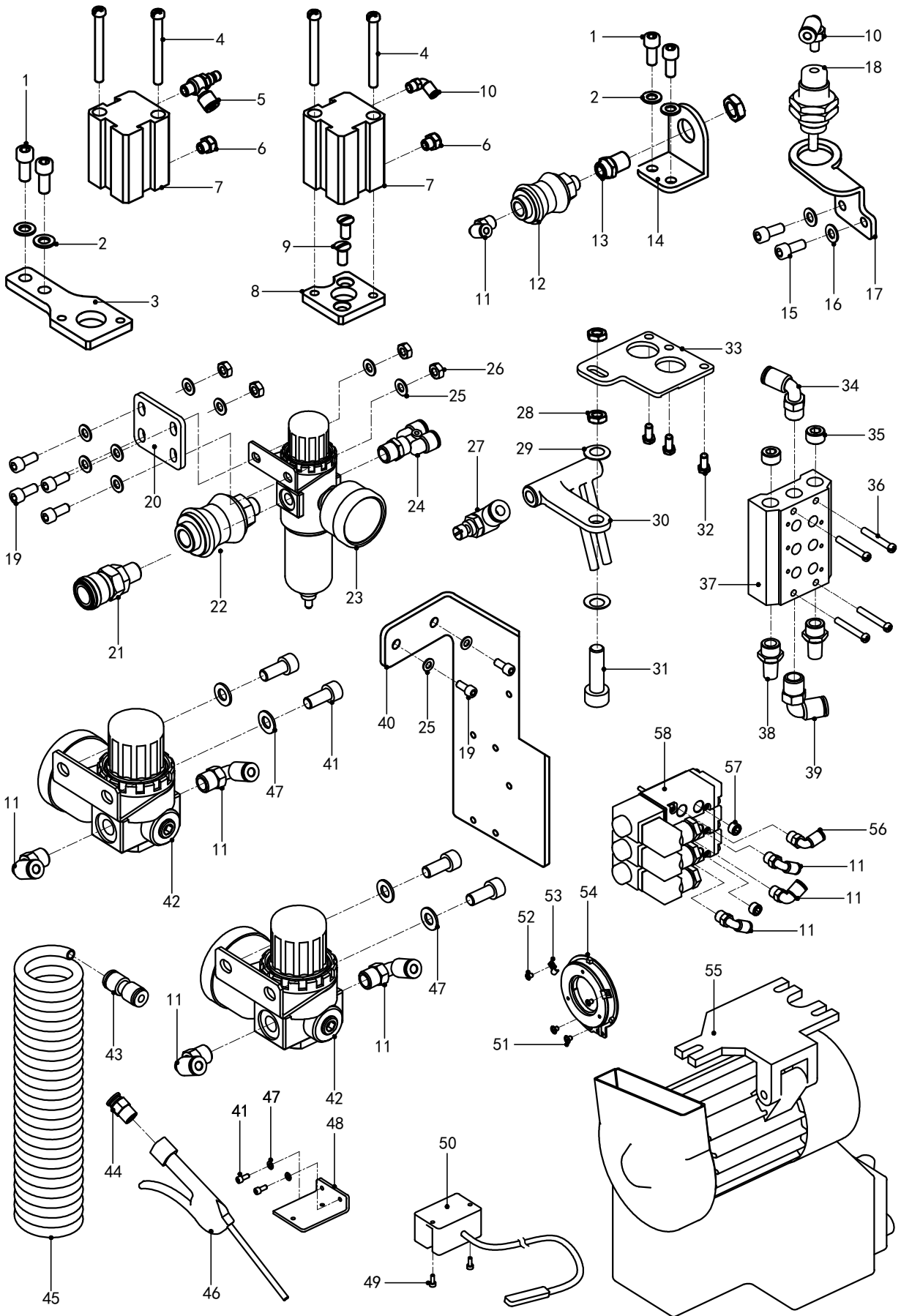
PD-拖轮驱动装置 Drive to equip



PD-拖轮驱动装置 Drive to equip

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9588PD-36	DQ00063	平垫圈8/Washer	2
37	9588PD-37	9588PF005	连接轴位螺钉/Axis of a screw	2
38	9588PD-38	9588PF003	连杆/Connecting rod	1
39	9588PD-39	ZC00027	深沟球轴承6/Bearing	4
40	9588PD-40	DQ00061	平垫圈6/Washer	2
41	9588PD-41	TDQ00002	开口挡圈5/Open ring	2
42	9588PD-42	LD00164	螺钉SM3.18-5/Screw SM3.18	3

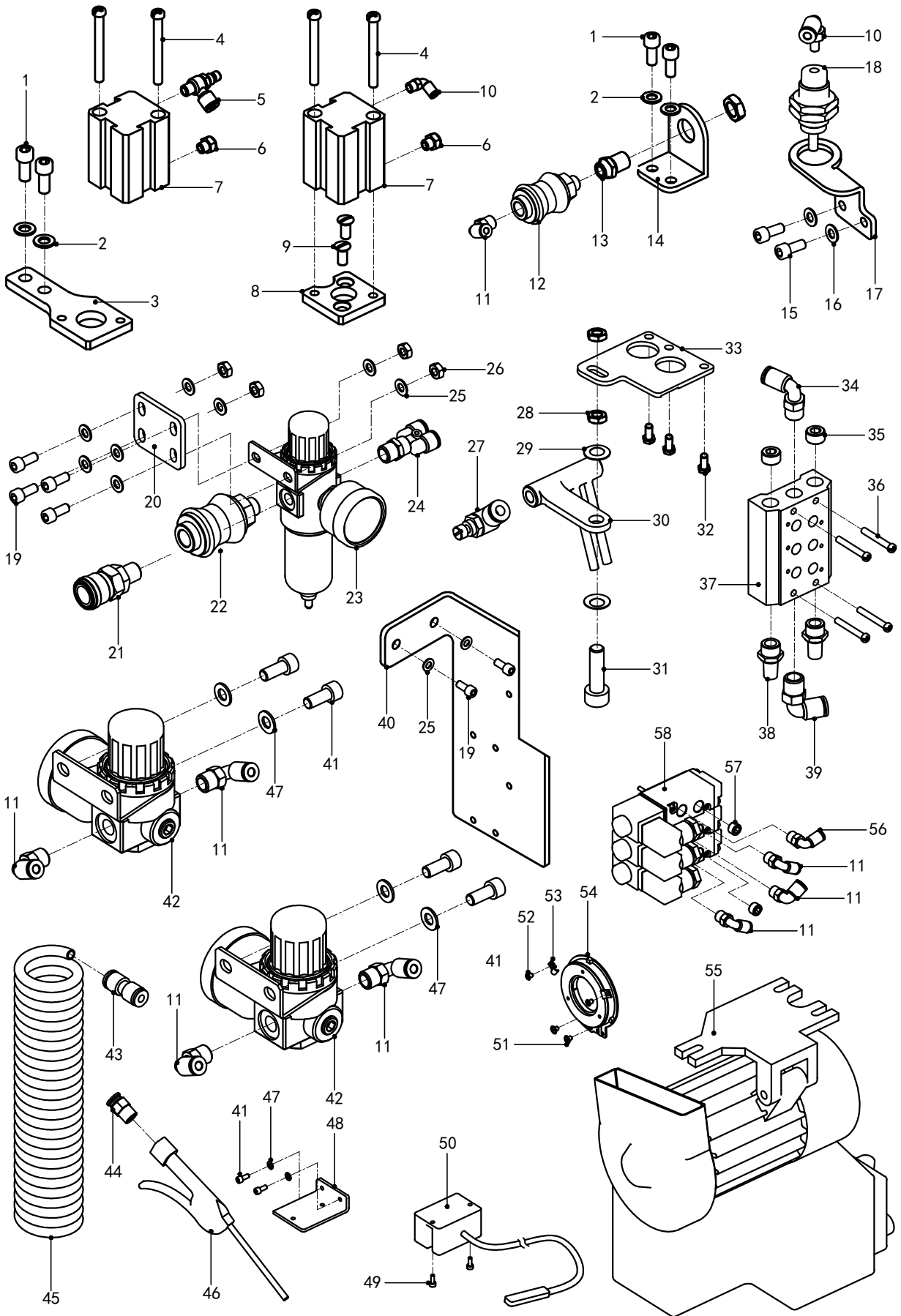
P1-气动功能装置 Pneumatic device



P1-气动功能装置 Pneumatic device

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588P1-1	LD00094	内六角圆柱头螺钉M5X12/ Screw M5	4
2	9588P1-2	DQ00034	平垫圈5/Washer 5	4
3	9588P1-3	9588A016	抬压脚气缸安装板/Cylinder Support	1
4	9588P1-4	LD00227	螺钉M4-38/Screw M4	4
5	9588P1-5	927Q.2.18	单向节流阀ASL4-M5/Valve ASL4-M5	1
6	9588P1-6	927Q.5.08	V型消声器EBV-M5/Elimination machine	2
7	9588P1-7	927Q.1.07	气缸SDA16X20/Cylinder SDA16X20	2
8	9588P1-8	9588A086	压脚气缸安装板/Install plank	1
9	9588P1-9	LD00148	沉头螺钉SM4.36/Screw SM4.36	2
10	9588P1-10	927Q.2.29	L型接头PL04M5C/“L” Connector PL04M5C	1
11	9588P1-11	927Q.2.28	L型接头PL0401C/“L” Connector PL0401C	8
12	9588P1-12	927Q.3.06	手滑阀HSV06/Valve HSV06	1
13	9588P1-13	927Q.2.44	直通内牙接头APMF4-01/Thread Connector	1
14	9588P1-14	9588A003	手滑阀固定支架/Valve fix	1
15	9588P1-15	LD00104	内六角圆柱头螺钉M4X8/Screw M4	2
16	9588P1-16	DQ00064	平垫圈4/Washer 4	2
17	9588P1-17	9588A105	松线气缸支架/Loose line cylinder bracket	1
18	9588P1-18	927Q.1.14	针形缸/The needle cylinder	1
19	9588P1-19	LD00236	内六角圆柱头螺钉M6X14/ Screw M6	6
20	9588P1-20	927PA020	过滤器安装板/Filter fix	1
21	9588P1-21	927Q.2.31	快换接头(母体)SMD-20-ZN/Connector	1
22	9588P1-22	927Q.3.07	手滑阀HSV08/Valve HSV08	1
23	9588P1-23	927Q.4.04	调压过滤器AFR2000/Valve AFR2000	1
24	9588P1-24	927Q.2.41	Y型螺纹三通APX6-02/“Y”transition connector	1
25	9588P1-25	DQ00050	平垫圈6/Washer	10
26	9588P1-26	LM00027	螺母M6/Nut M6	4
27	9588P1-27	927Q.2.19	进气节流阀ASL4-M5B/Valve ASL6-M5B	1
28	9588P1-28	LM00036	螺母M4.36/Nut M4.36	2
29	9588P1-29	DQ00051	盘形垫片/Washer	2
30	9588P1-30	927P042	冷却气嘴/Air cock	1
31	9588P1-31	LD00274	螺钉SM4.36/Screw M4.36	1
32	9588P1-32	LD00275	螺钉SM3.18/Screw 3.18	3
33	9588P1-33	9588A164	冷却气嘴支架/Coding gas nozzle stents	1
34	9588P1-34	927Q.2.53	L型接头PL04-G02C/“L”Connector PL04-G02C	1
35	9588P1-35	927PB012	堵头02/Block up	2

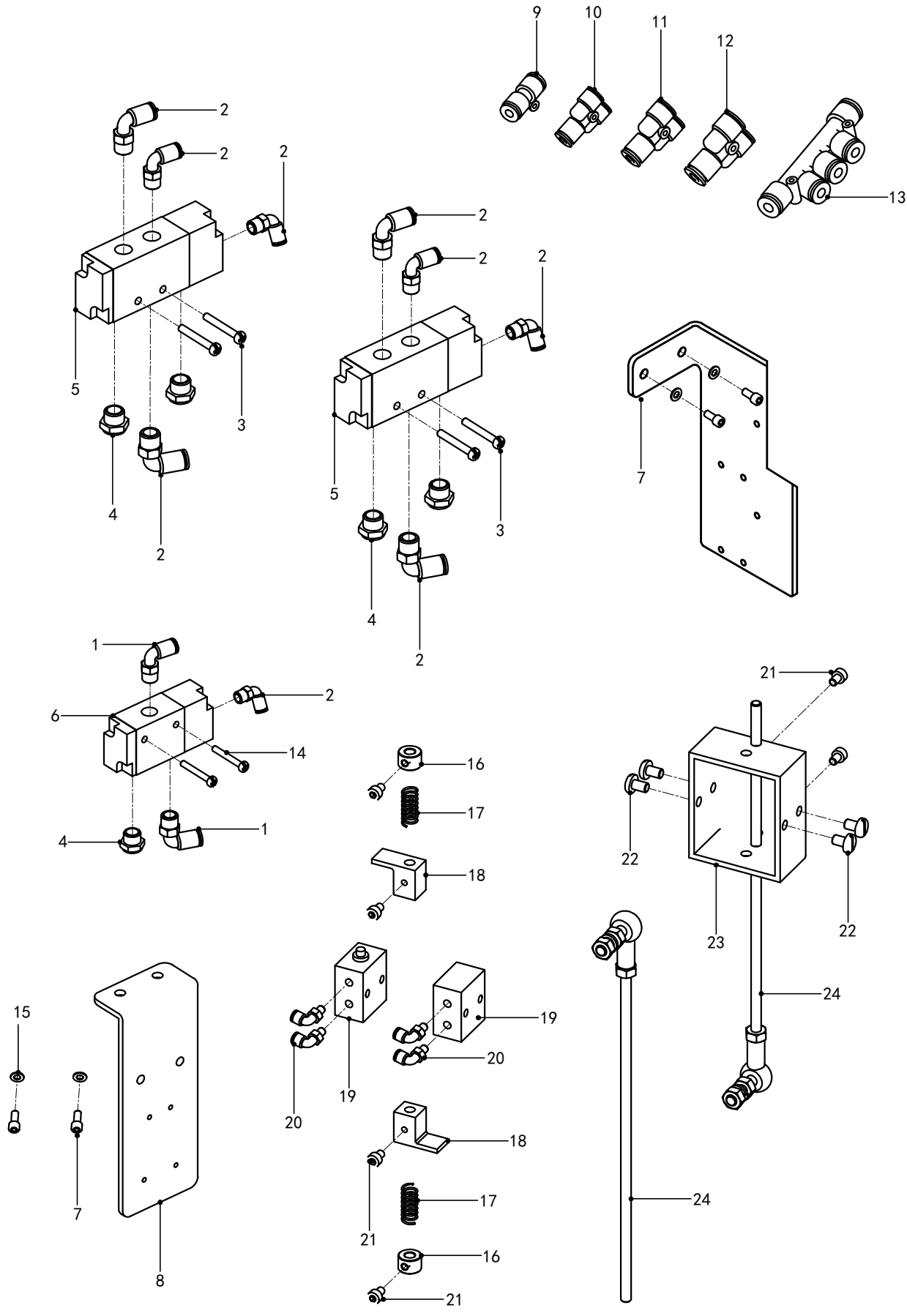
P1-气动功能装置 Pneumatic device



P1-气动功能装置 Pneumatic device

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
36	9588P1-36	LD00024	十字盘头螺钉M4X30/Screw M4	4
37	9588P1-37	927Q.3.01	电磁阀底座100M-3F/Valve base	1
38	9588P1-38	927Q.5.05	消声器BSL02/Elimination machine BSL02	2
39	9588P1-39	927Q.2.05	L型接头PL06-02/"L"Connector PL06-02	1
40	9588P1-40	9588A095	电磁阀安装板/Valve fix	1
41	9588P1-41	LD00258	内六角圆柱头螺钉M5X8/Screw M5	6
42	9588P1-42	927Q.4.01	调压阀AR1500/Valve AR1500	2
43	9588P1-43	927Q.2.11	减径直通APG8-6/Connector Keep APG8-6	1
44	9588P1-44	927Q.2.40	螺纹直通APC8-02/Thread keep APC8-02	1
45	9588P1-45	927Q.5.16	螺旋气管UCS8/Windpipe UCS8	1
46	9588P1-46	927Q.5.12	塑料气枪AG-Y/Air rifle AG-Y	1
47	9588P1-47	DQ00060	平垫圈/Washer	6
48	9588P1-48	927PA057	工作灯安装板/Work light mounting plate	1
49	9588P1-49	LD00235	内六角圆柱头螺钉M3X8/Screw M3	2
50	9588P1-50	927PA003	工作灯/Lamp	1
51	9588P1-51	LD00230	垫片螺M4/Screw M4	2
52	9588P1-52	LD00239	十字盘头螺钉M4/Screw M4	2
53	9588P1-53	M03-11	护手装置支柱/Hand pillar	2
54	9588P1-54	9588P1058	内置定位器/Positioner	1
55	9588P1-55	927PB061-N	贺欣伺服电机/Servo Electric motor	1
56	9588P1-56	927Q.2.27	L型接头PL0601C/"L" Connector PL0601C	1
57	9588P1-57	927PB018	堵头01/Block up	1
58	9588P1-58	927Q.3.02	电磁阀4V110-06/Valve 4V110-06	3

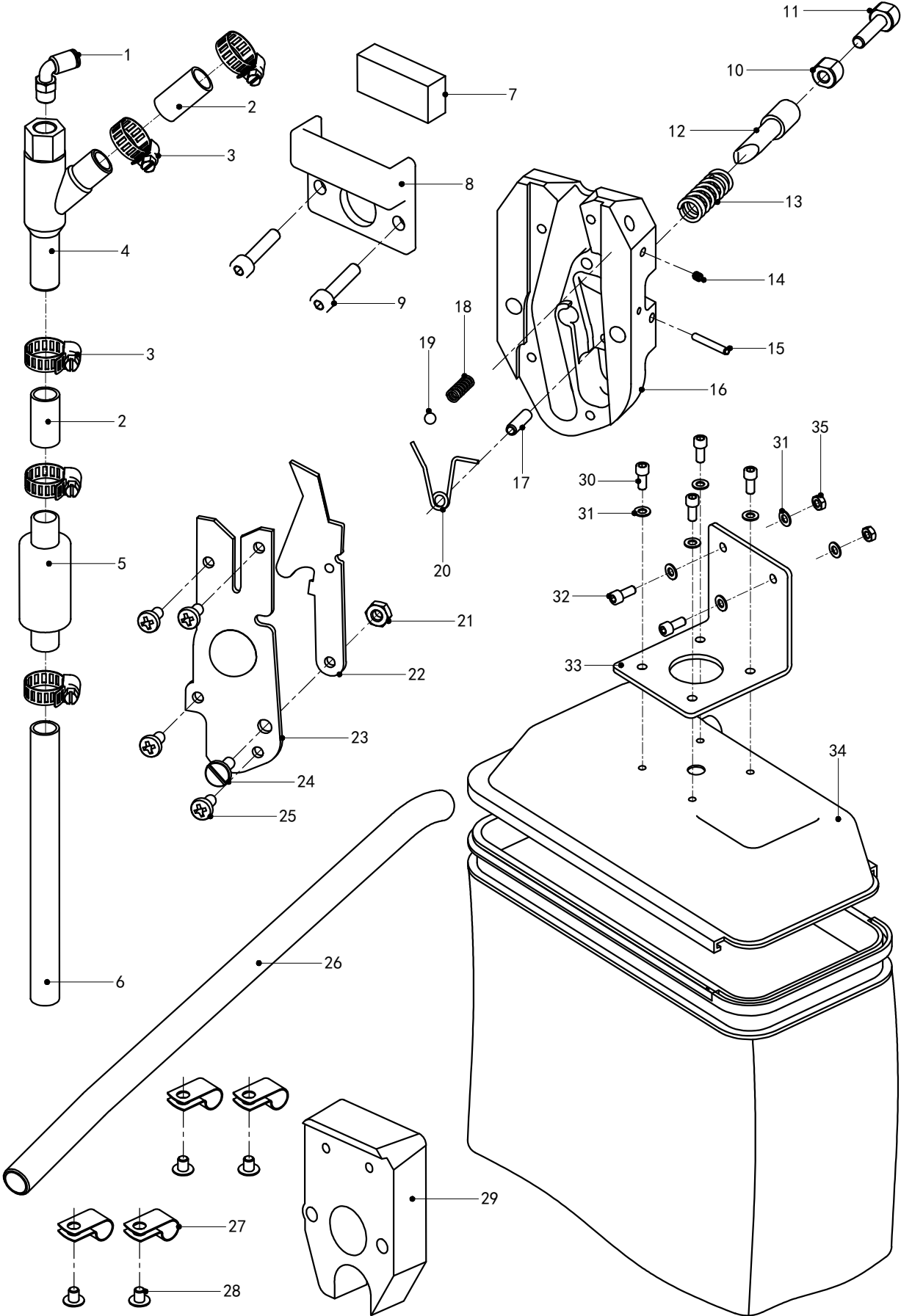
P2-气动功能装置 Pneumatic device



P2-气动功能装置 Pneumatic device

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588P2-1	927Q.2.27	L型接头PL0601C/“L” Connector PL0601C	2
2	9588P2-2	927Q.2.28	L型接头PL0401C/“L” Connector PL0401C	9
3	9588P2-3	LD00318	内六角圆柱头螺钉M3X40/ Screw M3	2
4	9588P2-4	927Q.5.07	消声器BSLM01/Elimination machineBSL01	5
5	9588P2-5	927Q.3.03	气控阀/Valve	2
6	9588P2-6	927Q.3.08	气控阀/Valve	1
7	9588P2-7	9588A095	电磁阀安装板	1
8	9588P2-8	9588A159	过滤器安装板/The filter plate	1
9	9588P2-9	927Q.2.45	直通接头/Through joint	12
10	9588P2-10	927Q.2.07	Y型三通APY4/“Y”transition connector APY4	1
11	9588P2-11	927Q.2.06	Y型减径三通APW6-4/“Y”transition connector	2
12	9588P2-12	927Q.2.08	Y型三通APY6/“Y”transition connector	1
13	9588P2-13	927Q.2.09	五通APK6/Five transition connector	1
14	9588P2-14	LD00241	螺钉M3-22/Screw M3	2
15	9588P2-15	DQ00050	平垫圈6/Washer	4
16	9588P2-16	927PF022	挡圈/Collar	2
17	9588P2-17	TH00022	弹簧/Spring	2
18	9588P2-18	927PF020	气阀挡块/Spirit Valve Plate	2
19	9588P2-19	927Q.3.05	机械阀S3B-M5/Machine valve S3B-M5	2
20	9588P2-20	927Q.2.29	L型接头PL04M5C/“L” Connector PL04M5C	4
21	9588P2-21	LD00182	内六角圆柱头螺钉M4X6/ Screw M4	6
22	9588P2-22	LD00096	螺钉M5-8/ Screw M5	4
23	9588P2-23	927PF026	机械阀固定架/Machine valve fix	1
24	9588P2-24	927PF018	球头拉杆组件/Ball parts	2
25	9588P2-25	LD00236	内六角圆柱头螺钉M6×14/Screw M6	4

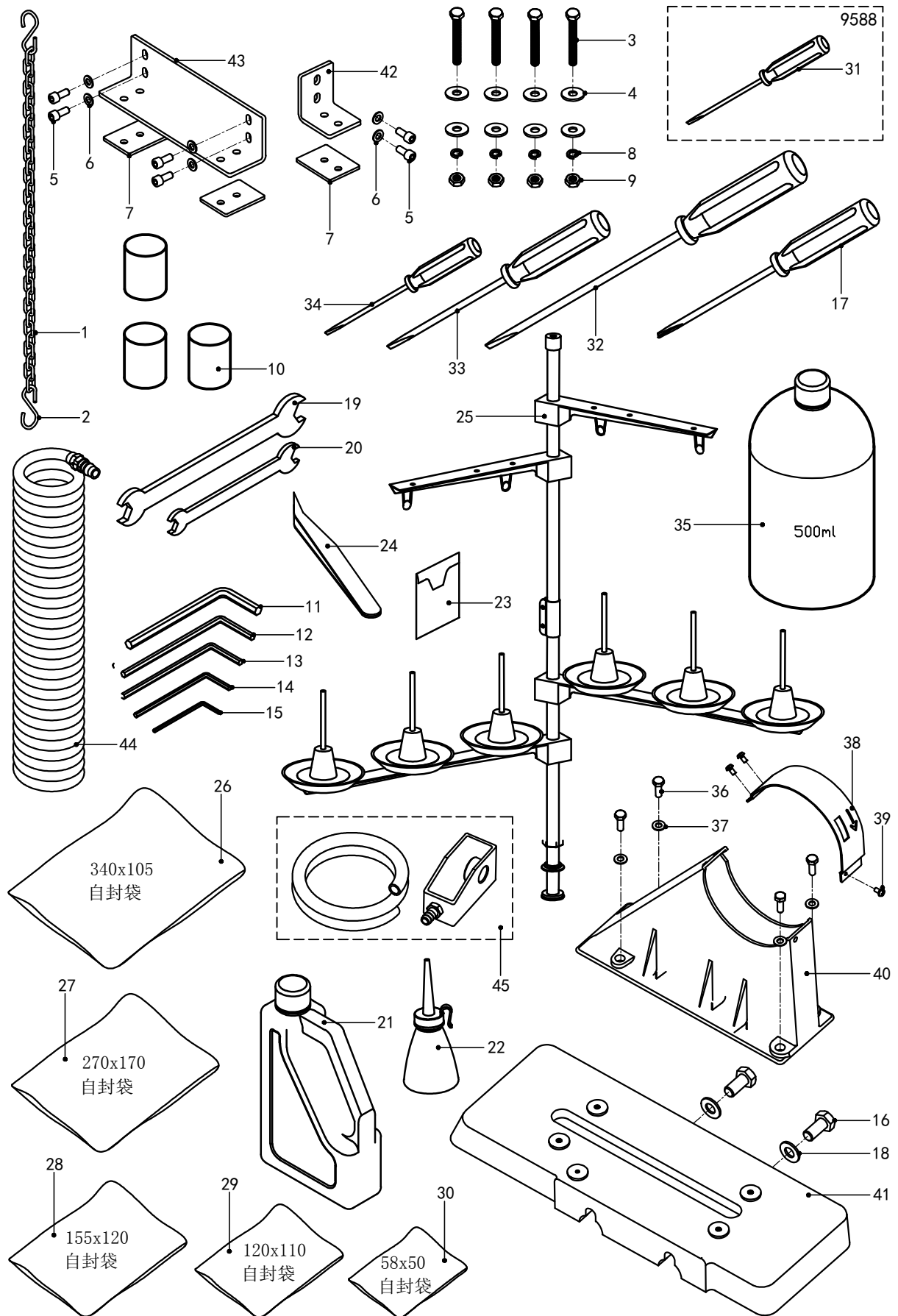
CV-自动剪线装置 Auto wire cutters device



CV-自动剪线装置 Auto wire cutters device

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588CV-1	927Q.2.27	L型接头PL0601C/“L” Connector PL0601C	1
2	9588CV-2	927CV048	转接软管/Transfer a soft tube	2
3	9588CV-3	9588A160	软管抱箍/Embrace hoop	5
4	9588CV-4	927CV034	吸屑三通/Three-way Pipe	1
5	9588CV-5	927CV047	消声器/Eliminate a machine	1
6	9588CV-6	927CV054	消声软管/Eliminate a soft tube	1
7	9588CV-7	927CV059	羊毛毡/Baize	1
8	9588CV-8	927CV058	油毡罩/Linoleum cover	1
9	9588CV-9	LD00254	内六角圆柱头螺钉M4X25/ Screw M4	2
10	9588CV-10	927CV05203	顶杆调节螺母/Regulate Nut	1
11	9588CV-11	927CV05202	顶杆调节螺销/Regulate Screw	1
12	9588CV-12	927CV052	动刀顶杆/Crest pole	1
13	9588CV-13	TH00025	压簧6.2-25/Spring	1
14	9588CV-14	LD00125	内六角紧定螺钉M3X5/ Screw M3	1
15	9588CV-15	TXX00017	限位销/Spring pin	1
16	9588CV-16	927CV037	剪刀座/Scissors support	1
17	9588CV-17	TXX00014	弹性圆柱销 $\phi 2$ /Spring pin	1
18	9588CV-18	TH00026	动刀顶簧/Movable knife Spring	1
19	9588CV-19	GZ00003	动刀压紧钢珠/Movable Knife Pin	1
20	9588CV-20	927CV008	动刀扭簧/Spring	1
21	9588CV-21	LM00014	螺母M3/Nut M3	1
22	9588CV-22	928CV009	动刀组件/Movable Knife Component	1
23	9588CV-23	928CV010	定刀组件/Fixed Knife Component	1
24	9588CV-24	927CV011	剪刀轴位螺钉/Axial Screws	1
25	9588CV-25	LD00173	螺钉M3-6/Screw M3	4
26	9588CV-26	927CV030	吸屑软管/Absorb Scraps Soft Tube	1
27	9588CV-27	927CV031	吸屑软管卡扣/Button	4
28	9588CV-28	LD00244	垫片螺钉M5/Screw M5	4
29	9588CV-29	9588A158	剪刀垫块/Mat piece	1
30	9588CV-30	LD00238	内六角圆柱头螺钉M6X10/ Screw M6	4
31	9588CV-31	DQ00050	平垫圈/Washer	8
32	9588CV-32	LD00236	内六角圆柱头螺钉M6X14/ Screw M6	1
33	9588CV-33	927PA026	储屑袋安装支架/Canvas sack Support	1
34	9588CV-34	927PA027	储屑袋套件/Canvas sack	1
35	9588CV-35	LM00027	螺母M6/Nut M6	2

K-附件 Accessories



K-附件 Accessories

序号/NO	代号/Assemble NO	件号/Part NO	名称/Description	数量/Num
1	9588K-1	927D022	链条/Chain	1
2	9588K-2	927D021	链条挂钩/Chain Rod Hook	1
3	9588K-3	FJ-H-14	六角头螺钉M6X60/ Screw M6	6
4	9588K-4	FJ1-14	平垫圈/Washer	12
5	9588K-5	LD000236	内六角圆柱头螺钉M6X14/ Screw M6	6
6	9588K-6	DQ00050	平垫圈/Washer	6
7	9588K-7	927PA009	角支架减震垫/Cushion Rubber	3
8	9588K-8	DQ00014	弹簧垫片/Spring Washer	6
9	9588K-9	LM00006	螺母M6/Nut M6	6
10	9588K-10	927K010	橡皮块/Base Cushion	3
11	9588K-11	927K011	5mm内六角扳手/5mm Allen Key	1
12	9588K-12	927K012	4mm内六角扳手/4mm Allen Key	1
13	9588K-13	927K013	3mm内六角扳手/3mm Allen Key	1
14	9588K-14	927K014	2.5mm内六角扳手/2.5mm Allen Key	1
15	9588K-15	927K015	2mm内六角扳手/2mm Allen Key	1
16	9588K-16	FJ-H-13	六角头螺钉M12-25/ Screw M12	2
17	9588K-17	9588F J08	十字螺丝刀/ScrewDriver	1
18	9588K-18	DQ00031	平垫圈12/Washer	2
19	9588K-19	FJ4-3-1	17-19开口扳手/17-19 Spanner	1
20	9588K-20	9588F J02	8-10开口扳手/8-10Spanner	1
21	9588K-21	FJ8-11	大油壶/Oiler	1
22	9588K-22	FJ7-28	小油壶/Oiler	1
23	9588K-23	927K023	机针/Needle	1
24	9588K-24	9588F J04	镊子/Thread Tweezers	1
25	9588K-25	9588K025	线架/Thread Stand	1
26	9588K-26	927K026	340X105自封袋/340X105 Accessory bag	1
27	9588K-27	927K027	270X170自封袋/270X170 Accessory bag	1
28	9588K-28	927K028	155X120自封袋/155X120 Accessory bag	1
29	9588K-29	927K029	120X110自封袋/120X110 Accessory bag	3
30	9588K-30	927K030	58X50自封袋/58X50Accessory bag	2
31	9588K-31	FJ8-5	一字螺丝刀/ScrewDriver	1
32	9588K-32	9588F J05	大号螺丝刀/ScrewDriver(large)	1
33	9588K-33	9588F J06	中号螺丝刀/ScrewDriver(medium)	1
34	9588K-34	9588F J07	小号螺丝刀/ScrewDriver(small)	1
35	9588K-35	9588F J12	大油壶/Oiler	1
36	9588K-36	FJ5-4	六角头螺钉M6-18/ Screw M6	4
37	9588K-37	K1-36	平垫圈6/Washer	4
38	9588K-38	927K039	皮带护罩板/Pulley Cover	1
39	9588K-39	LD00172	垫片螺钉M4-8/ Screw M4	3
40	9588K-40	927K041	皮带护罩/Pulley Cover	1
41	9588K-41	927K044	滑轮基座/Pulley Cover Base	1
42	9588K-42	927PA011	后固定角支架/Fixed Support	1
43	9588K-43	927PA008	侧固定角支架/Fixed Support	1
44	9588K-44	927PA035	气管/The trachea	1
45	9588K-45	9588A167ZJ	放油盒组件/Put an oil box module	1