



JK- 58420
58450

Parts Manual

零件手册

 **杰克缝纫机**
JACK SEWING MACHINE
| [HTTP://WWW.CHINAJACK.COM](http://www.chinajack.com) |

开头语

衷心感谢您购买本公司产品！使用缝纫机之前，请认真阅读此说明书。本说明书介绍了缝纫机日常使用、维护与安全的有关注意事项。请您仔细加以保管，以便日后查阅。如产品规格或外观经过改良可能会与说明书略有不同，恕不另行通知。

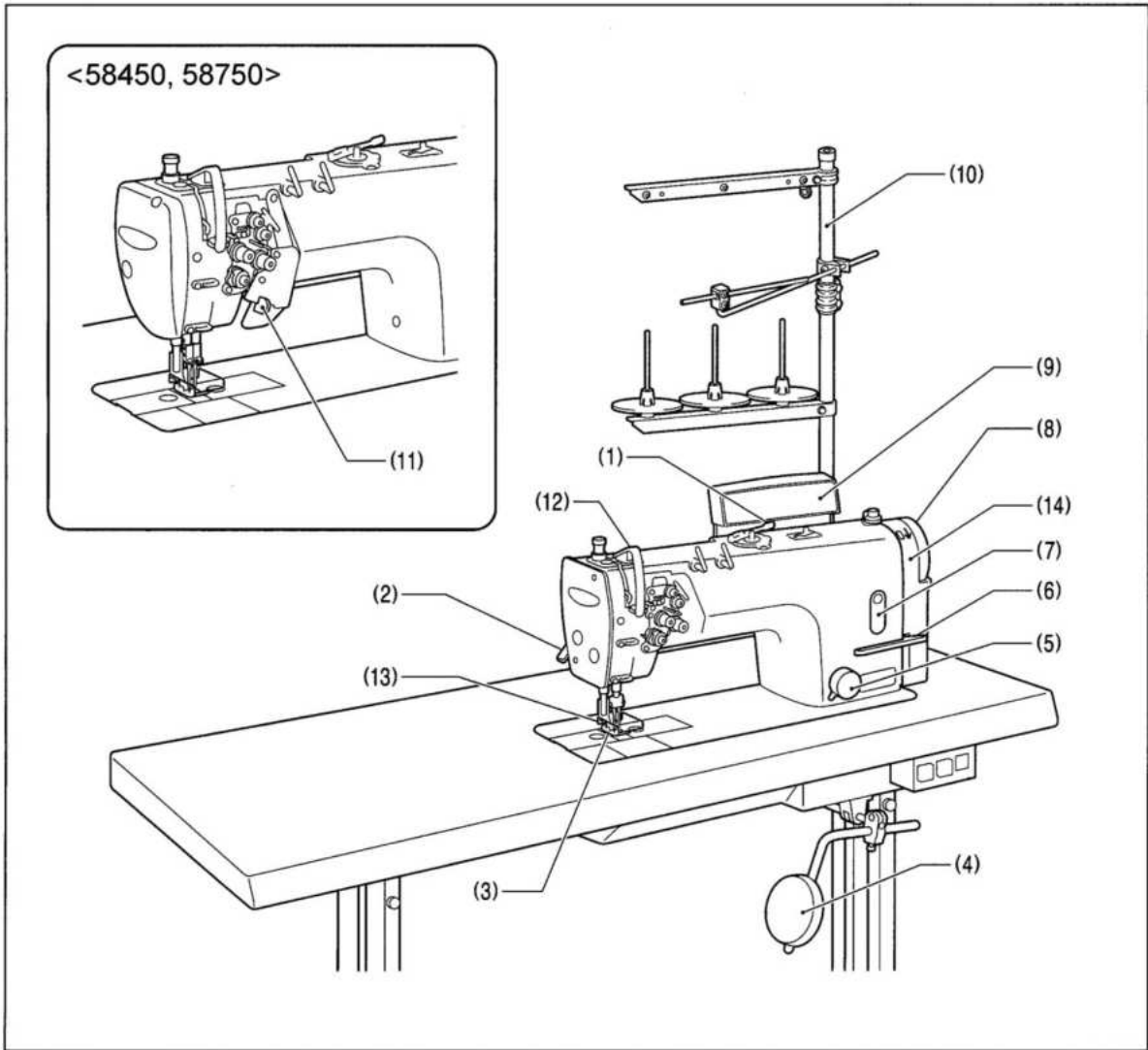
PROLOGUE

Thanking you for your purchase our products sincerely, please reading the manual book before operation, the book introduce some points how to operate, maintenance, and safe. Please keep it carefully for reading in the further; you will be not informed if the file has been revised. Please set sample as standard.

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1. 各部件名称

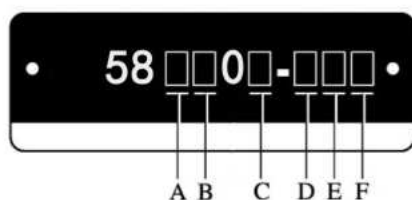


- | | |
|-------------------------|-----------|
| (1) 梭芯绕线装置 | (2) 压脚扳手 |
| (3) 压脚 | (4) 膝控磁块 |
| (5) 针距旋钮 | (6) 倒缝扳手 |
| (7) 油计量视窗 | (8) 缝纫机手轮 |
| (9) 警报器 (针杆无油型) | (10) 线架 |
| (11) 定位杆 (58450, 58750) | |

安全保护装置

- | | |
|-------------|----------|
| (12) 挑线杆防护罩 | (13) 护指器 |
| (14) 皮带罩 | |

2. 缝纫机规格



A	旋 梭	4	7
		标准旋梭	大旋梭

B	缝 制 类 型	2	5
		标准	角缝

C	驱 动 公 式	—	D	
		—	直 驱	
D	倒 缝 装 置	0	0	4
	扫 线 装 置	—	○	○
	切 线 装 置	—	○	○
	抬 压 脚 装 置	—	—	○

E	注 油 类 型	0	3
		微油	针杆无油

F	用 途	F	3	5
		女式内衣用	适用于较薄的和中厚的面料	适用于较厚的面料

机器规格

型号	最高转速(rpm)	最大针距	压脚高度		送布牙高度	机针 (DP×5)
			扳手	膝控		
58420-003	4000	4	7	13	1	#11-#16
58420-005	3000	5	7	13	1	#14-22#
58450-003	3000	5	7	13	1	#11-#16
58450-005	3000	5	7	13	1	#14-22#
58720-003	3000	7	7	13	1	#11-#16
58720-005	3000	7	7	13	1	#14-22#
58750-003	3000	7	7	13	1	#11-#16
58750-005	3000	7	7	13	1	#14-22#
58420D-403	4000	4	7	13	1	#11-#16
58420D-405	3000	5	7	13	1	#14-22#
58450D-403	3000	5	7	13	1	#11-#16
58450D-405	3000	5	7	13	1	#14-22#
58720D-403	3000	7	7	13	1	#11-#16
58720D-405	3000	7	7	13	1	#14-22#
58750D-403	3000	7	7	13	1	#11-#16
58750D-405	3000	7	7	13	1	#14-22#

〈马达〉

- 马达请使用右表所示的离合器马达。
- 关于马达的安装方法和使用方法，请参照马达的使用说明书。

电源	名称
单相	2 极、400W 马达
三相	2 极、400W 马达

〈马达轮和 V 型皮带〉

由于 50Hz 地区和 60Hz 地区的马达轮、V 型皮带有不同，所以请参考下表进行选择。

转速	频率	马达轮（外径）	V 型皮带
4,000rpm	50Hz	马达轮 100	46
	60Hz	马达轮 85	45
3,500rpm	50Hz	马达轮 90	45
	60Hz	马达轮 70	44
3,000rpm	50Hz	马达轮 75	44
	60Hz	马达轮 65	43

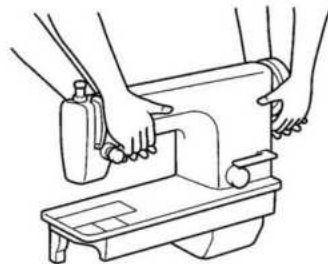
4. 安装方法

⚠ 注意

- ⊘ 请让受过培训的技术人员来安装缝纫机。
- ⊘ 在安装完成前，请不要连接电源，如果误按起动开关，缝纫机动作会导致受伤。
- ❗ 请委托购买商店或电气专业人员进行电气配线。
- ⚠ 缝纫机头倒下或竖起时，请用双手进行操作。单手操作时因缝纫机的重量万一滑落易导致受伤。
- ❗ 缝纫机重量约 43Kg，安装工作必须由两人以上来完成。
- ⚡ 必须接地。接驳地线不牢固，是造成触电或误动作的原因。

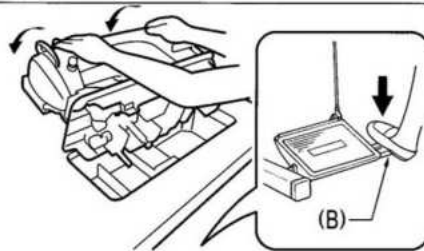
搬运缝纫机

- 应按图示由两人用手托住机壳本体进行搬运。
- * 请注意不要让皮带轮转动。



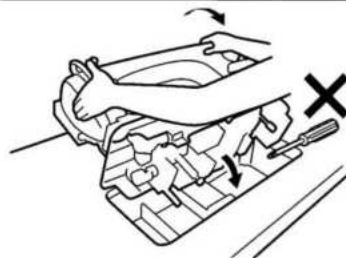
向后倾斜缝纫机头部

- 用脚踏住 (B) 部分，不让台板移动，然后用双手推动机壳本体使缝纫机头部后倾。

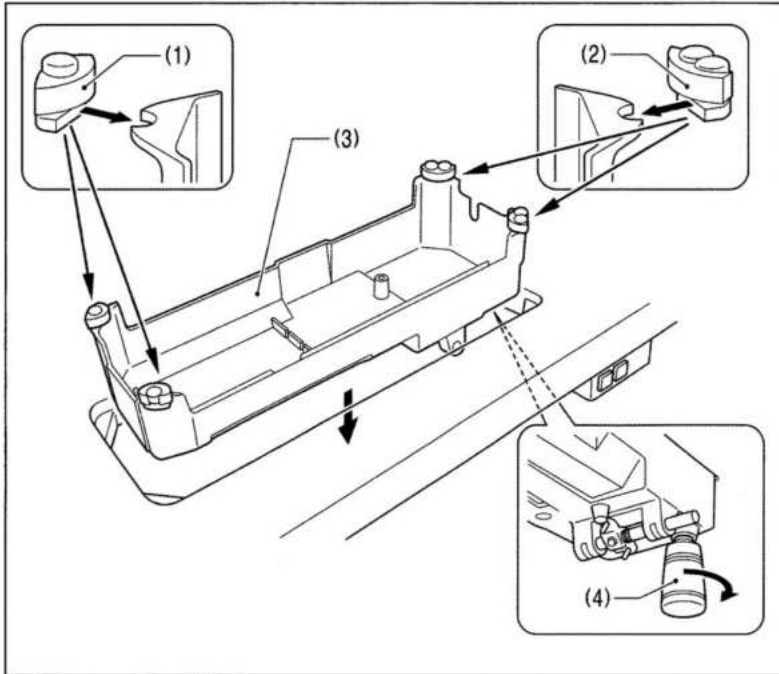


将缝纫机头部返回至直立的位置

1. 清除台板开孔附近的所有工具等物件。
2. 用左手扶住面板，用右手轻轻地将缝纫机头部返回至直立的位置。

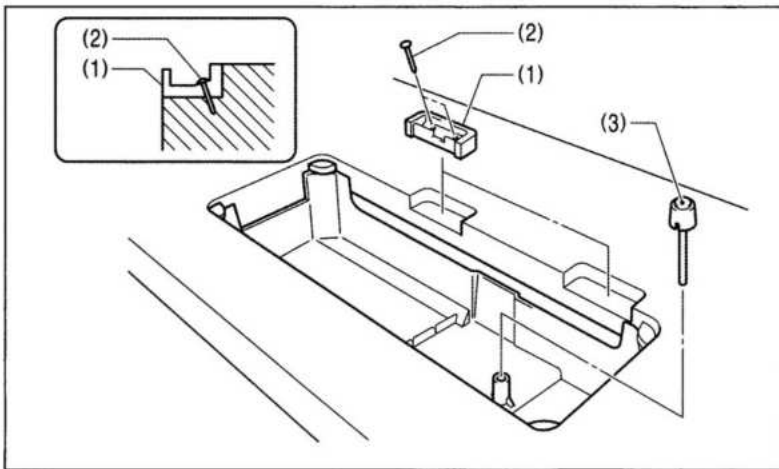


4-1. 安装方法



1. 油盘

- (1) 头部防震垫块(左) (2个)
- (2) 头部防震垫块(右) (2个)
- (3) 油盘
- (4) 注油器

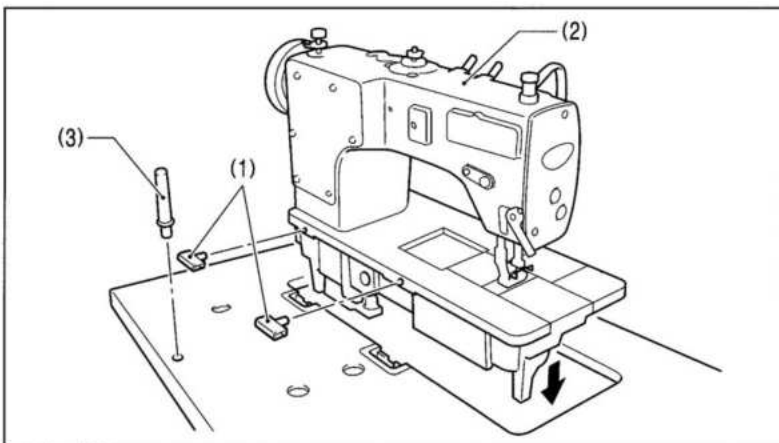


2. 机壳铰链

- (1) 机壳铰链套 (2个)
- (2) 钉 (4个)

3. 膝控提升顶杆

- (3) 膝控提升顶杆

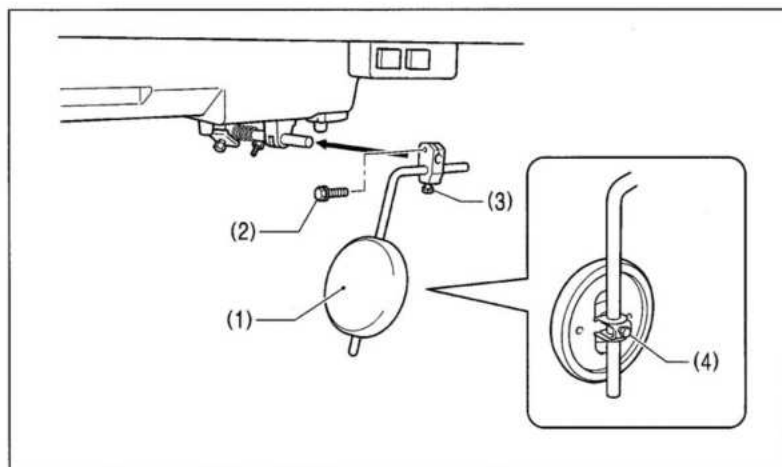


4. 缝纫机头部

- (1) 机壳铰链 (2个)
- (2) 缝纫机头部
- (3) 机头撑杆

注意:

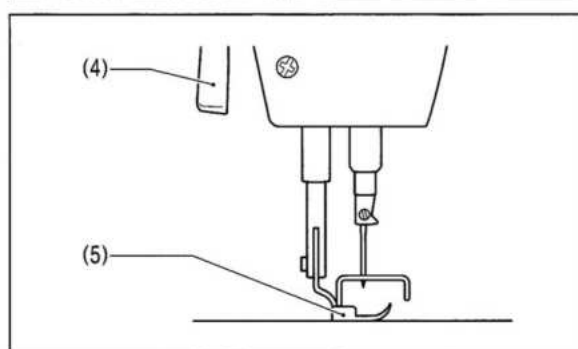
- 将机头撑杆(3)安全, 稳定地插入台板开孔。如果机头撑杆(3)未被插入到位, 则缝纫机头部在向后倾斜时因不够稳定而发生危险。



5. 膝控碰块

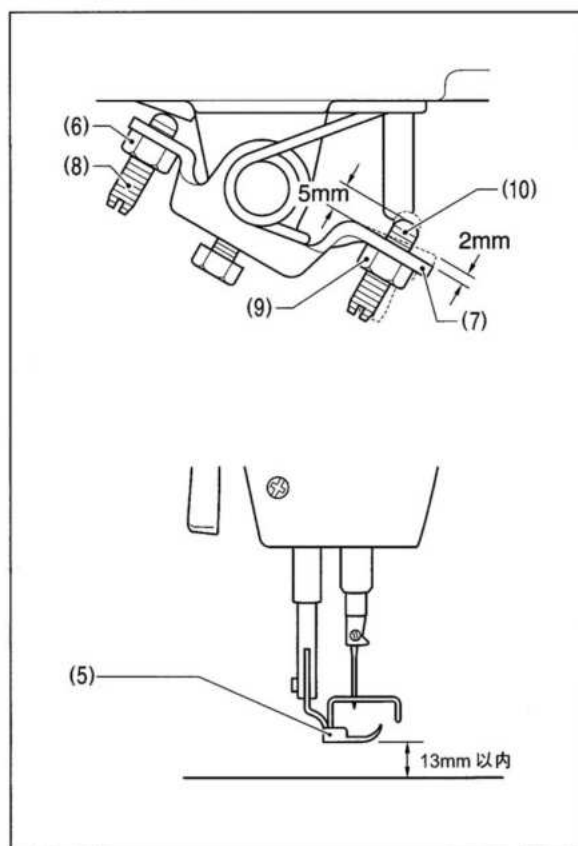
- (1) 膝控碰块
(2) 螺栓

* 松开螺栓(3)和螺栓(4), 将膝控碰块(1)移至易于使用的位置。



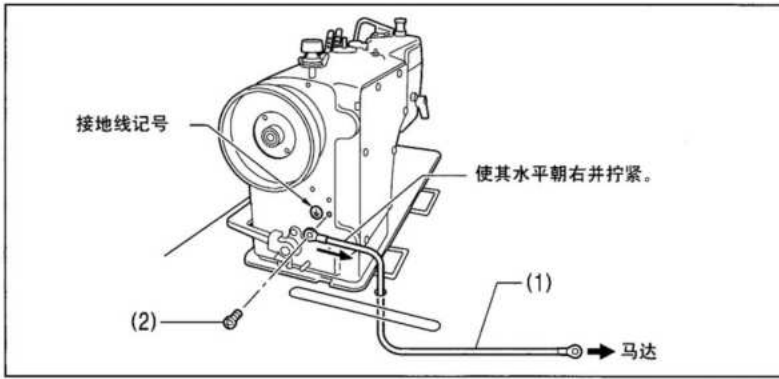
<调整抬压杠杆>

1. 转动手轮以便送布牙处于针板的下方。
2. 用压脚扳手(4)放下压脚(5)。



3. 松开螺母(6)。
4. 转动螺钉(8)进行调节, 以便用手在轻压膝控碰块(1)时抬压杠杆(7)游隙量约为2mm。
5. 拧紧螺母(6)。
6. 松开螺母(9)。
7. 转动螺钉(10)直至螺钉头与抬压杠杆(7)的间距约为5mm。
8. 转动调节螺钉(10)进行调节, 以便在完全压下膝控碰块(1)时, 压脚(5)处在针板上方13mm范围内的位置。
9. 完成调整后, 将螺母(9)拧紧。

4. 安装方法



6. 地线

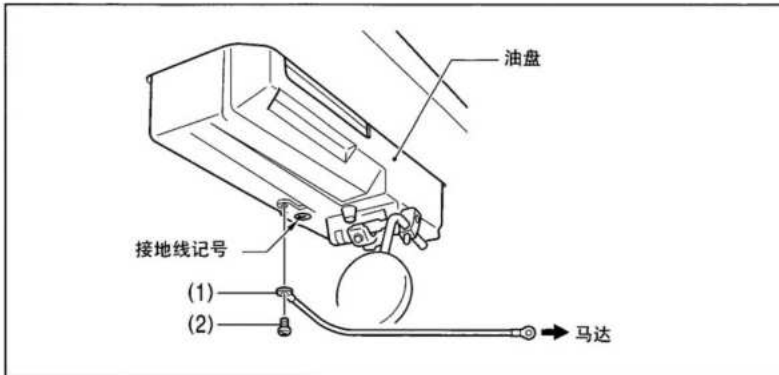
- (1) 地线
- (2) 螺钉

<针杆无油型>

请务必使用随带的接地线(1)将其连接到马达上。

<微油型>

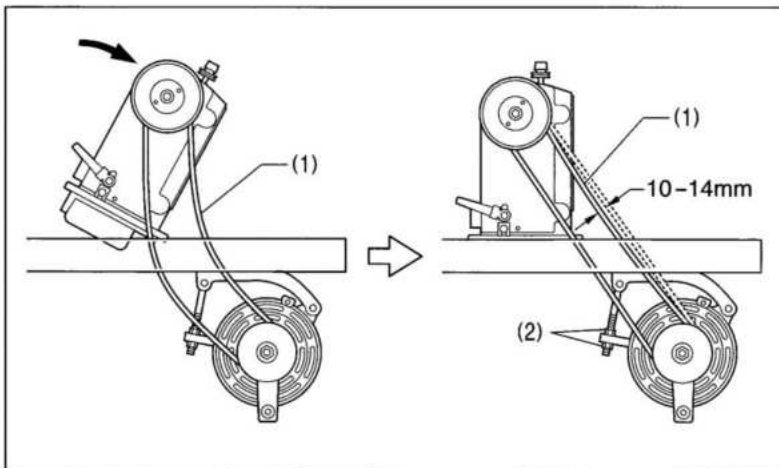
准备好合适的接地线。



7. 地线

准备好合适的接地线。

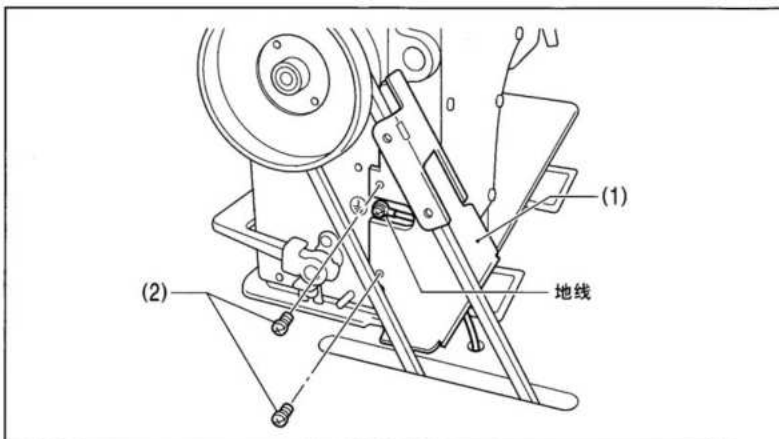
- (1) 地线
- (2) 螺钉



8. V型皮带

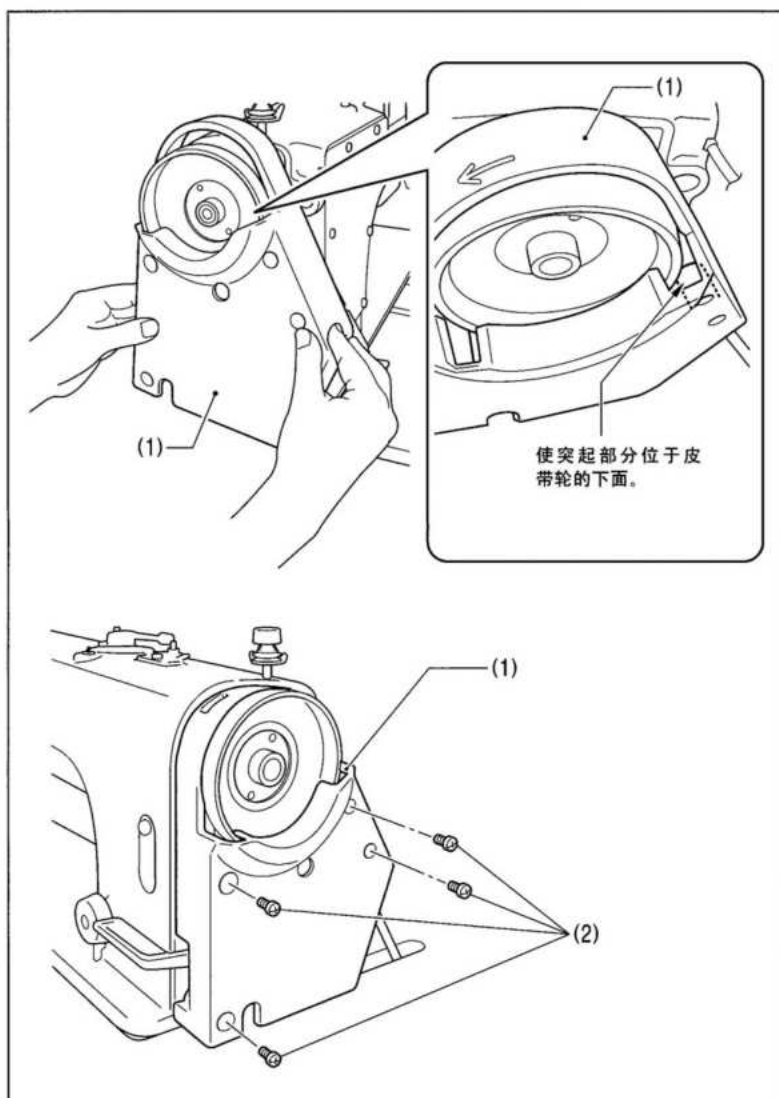
- (1) V型皮带

用5N的力按压V型皮带(1)的中央,转动螺母(2)[2个]进行调整,将挠度调整到10~14mm左右。



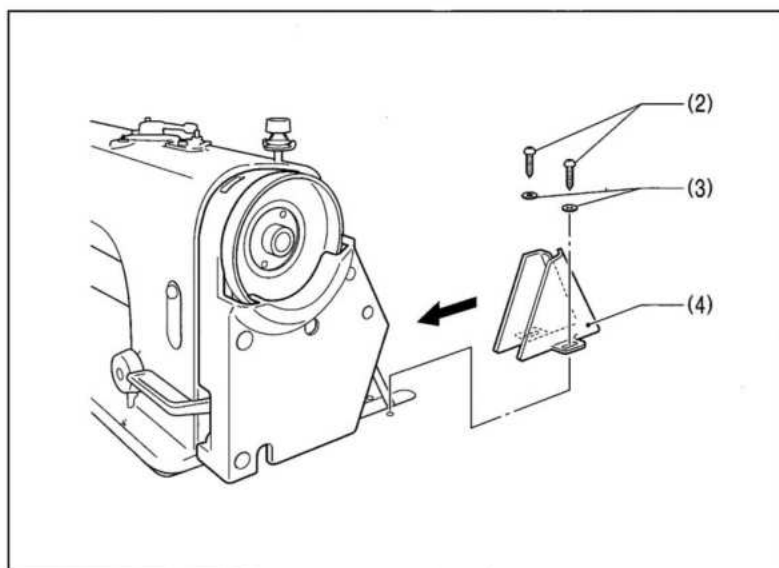
9. 皮带罩垫片

- (1) 皮带罩垫片
- (2) 螺钉(2个)



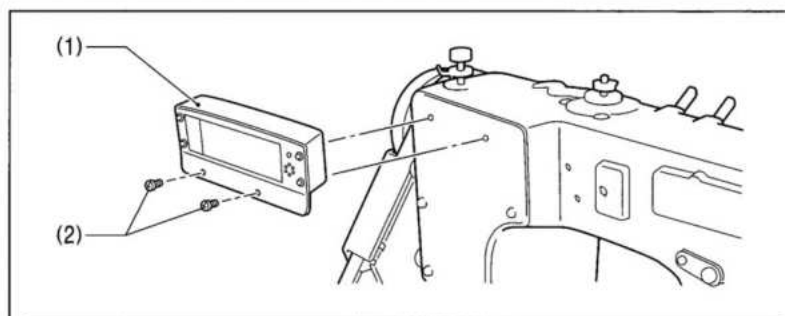
10. U型皮带罩

- (1) U型皮带罩
- (2) 螺钉 (4个)



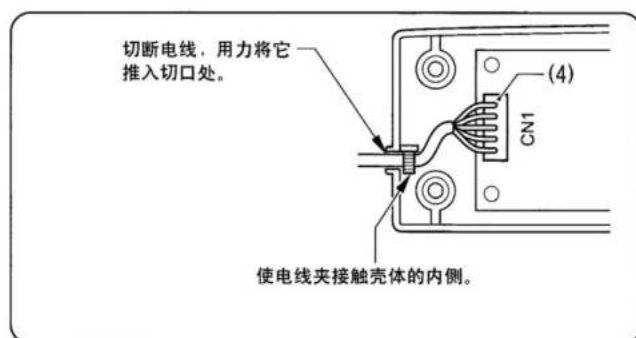
11. D型皮带罩

- (1) D型皮带罩
- (2) 木螺钉 [2个]
- (3) 垫圈 [2片]



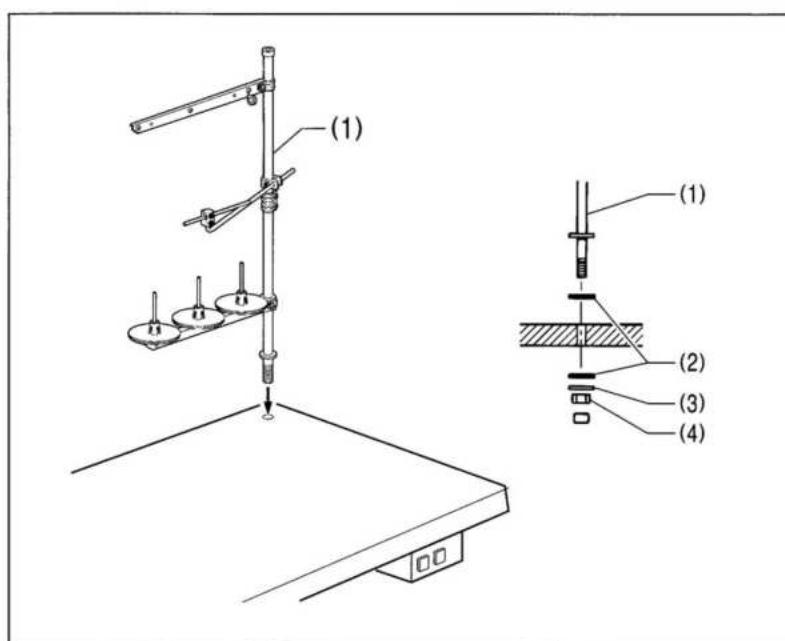
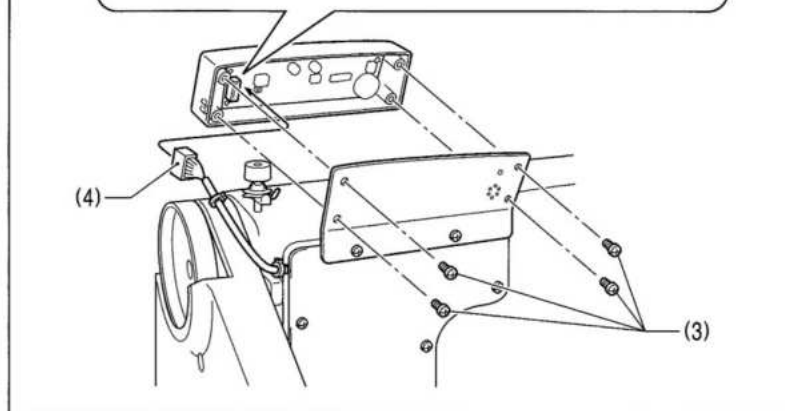
1 3. 报警器（针杆无油型）

- (1) 报警器（针杆无油型）
 (2) 螺钉（2个）
 （用螺钉将后盖拧紧）



- (3) 固定螺钉 [4个：拧下]
 (4) 插头

在将插头（4）连接到报警器（1）的
基板插座〈CN1〉上后，用固定螺钉
（3）将报警器（1）安装到原来位置。



1 4. 线架

- (3) 线架

注意：

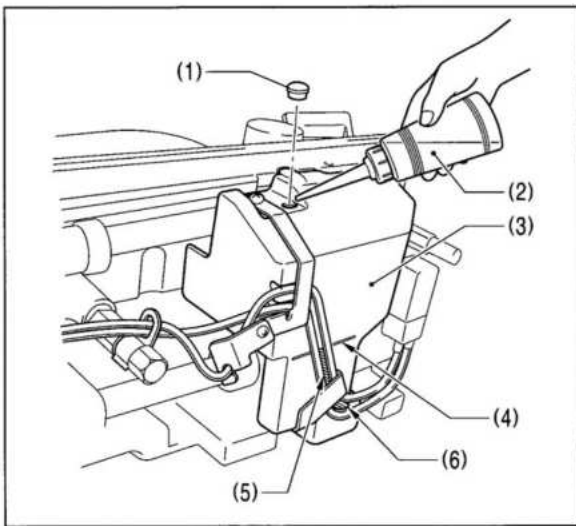
将螺母（4）拧紧以便将两个机壳
铰链套（2）和垫圈（3）夹紧，使
线架（1）不会移动。

4-2. 加油方法

⚠ 注意

- ⊘ 在加油未完成前，请勿插上电源。
当误按动起动开关时，缝纫机动作会导致人员受伤。
- ⊘ 使用润滑油和黄油时，务必戴好保护眼镜和保护手套等，以防润滑油落入眼中或沾在皮肤上，这是引起发炎的原因。
另外，润滑油或黄油不能饮用，否则会引起呕吐和腹泻。
将油放在小孩拿不到的地方。

- 必须经常润滑缝纫机，第一次使用缝纫机或长时间未使用缝纫机时，要补充机油。
- 请使用本公司指定的[HIGH SPEED SEWING MACHINE OIL] (ISO 粘度与 VG22 相同)。



<给油盖添加机油>

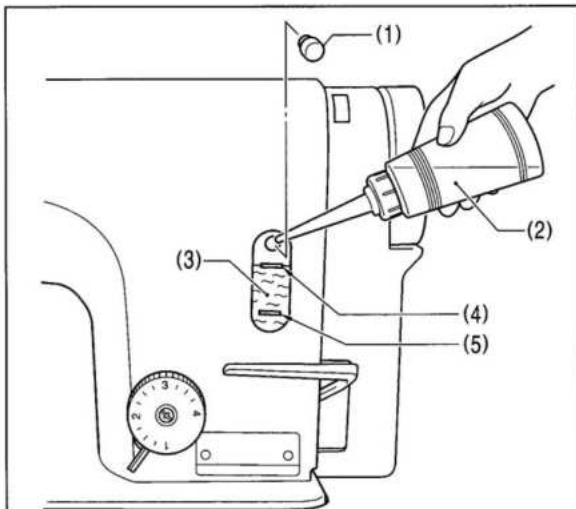
1. 向后倾斜缝纫机头部。
2. 拆下橡皮塞 (1)。
3. 用随带的油壶 (2) 给油盖 (3) 添加润滑油，直至液位达到基准线 (4) 位置。

注意：

添加润滑油时请不要超过基准线 (4)。否则当缝纫机头部倒下时，润滑油可能会溢出。

4. 将橡皮塞 (1) 装回原处。
5. 将缝纫机头部返回至原位。

* 当润滑油的液位下降到油量计视窗 (5) 的下部 (6) 以下时，请务必补充润滑油。



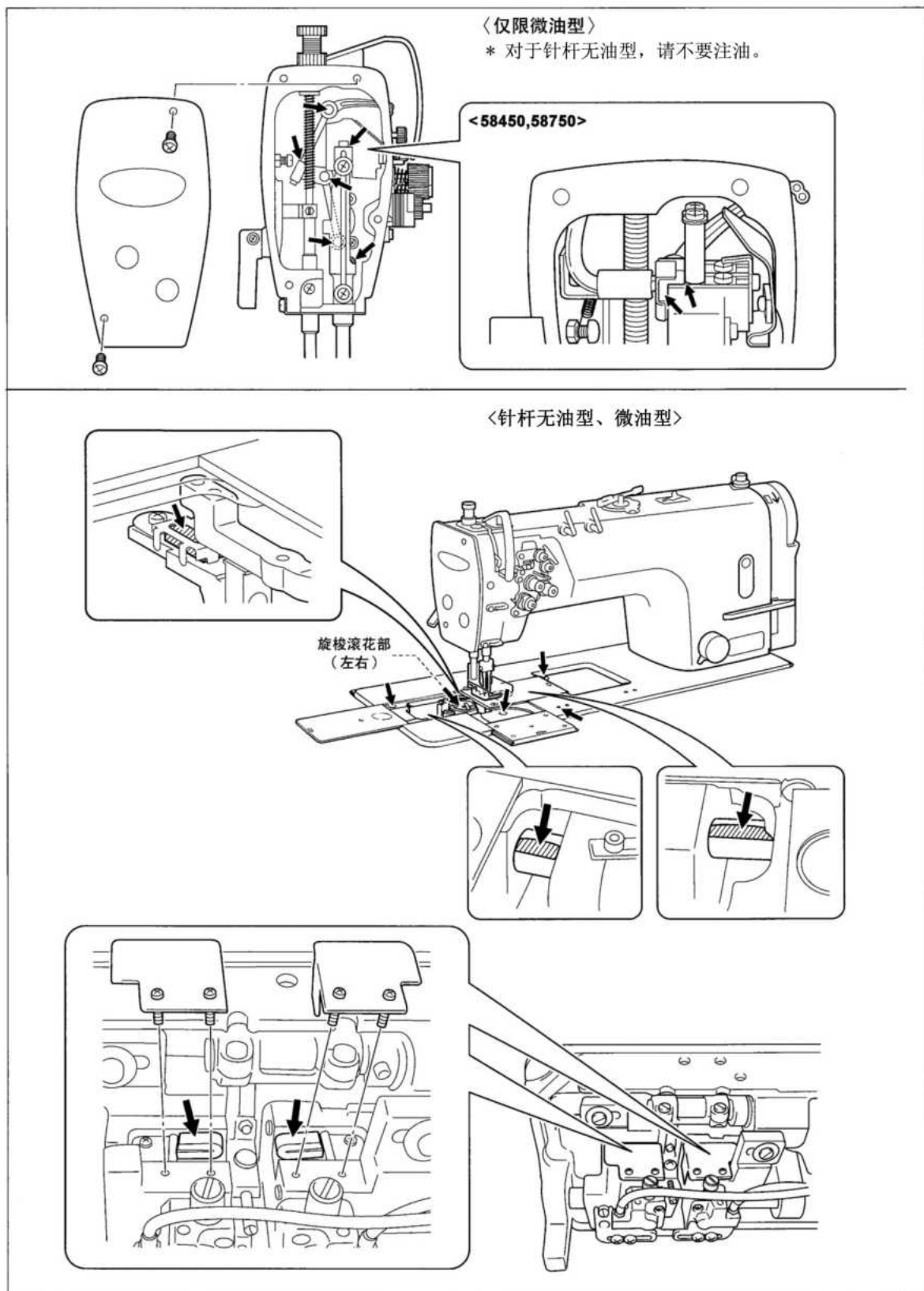
<给油箱添加机油>

1. 拆下橡皮塞 (1)。
2. 用随带的油壶 (2) 添加润滑油，直至液位达到油量计视窗 (3) 的上基准线 (4) 位置。
3. 将橡皮塞 (1) 装回原处。

* 当润滑油的液位下降到下基准线 (5) 以下时，请务必补充润滑油。

■注油

在每个箭头标记处注入1~2滴润滑油。

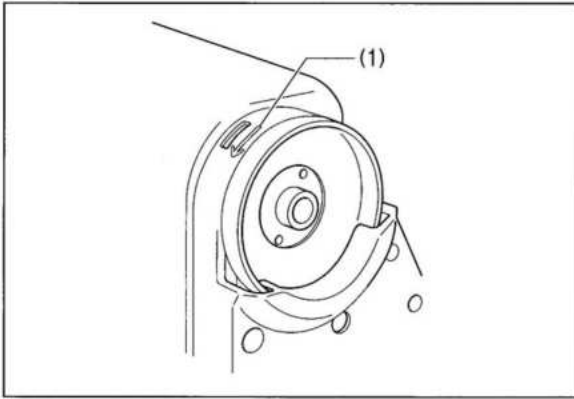


4-3. 缝纫手轮旋转方向的确认

⚠ 注意



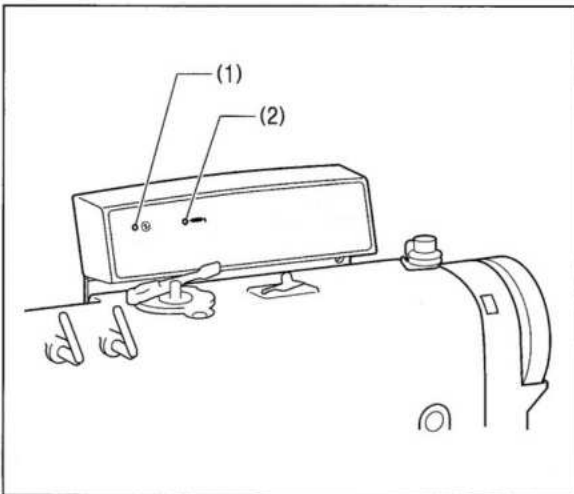
缝纫过程中，不要触摸任何运动部件或将物件靠在运动部件上，因为这会导致人员受伤或缝纫机损坏。



1. 将电源插头插入电源插座，打开电源开关。
2. 逐渐地往下踩踏板，确认缝纫手轮应开始朝箭头(1)的方向旋转。

* 如果缝纫手轮的旋转方向相反，则请参照马达的使用说明书来校正旋转方向。

4-4. 关于警报器（针杆无油型）



警报器是用于通知润滑脂补充时间的装置。

(1) POWER 指示灯（绿色）

POWER 指示灯(1)仅在缝纫机工作时点亮。

当缝纫机停止工作时，指示灯不点亮。

（警报器将累计 POWER 指示灯(1)点亮时的时间。

注意：

当缝纫机转速较低时，或者当停止数分钟后又开始工作时，POWER 指示灯(1)可能会不点亮，但这不属于故障。

(2) GREASE 指示灯（红色）

如果每次踩下踏板，GREASE 指示灯(2)就点亮、蜂鸣器鸣响，则请补充润滑脂。

（参照第 30 页）

5. 缝纫前的准备

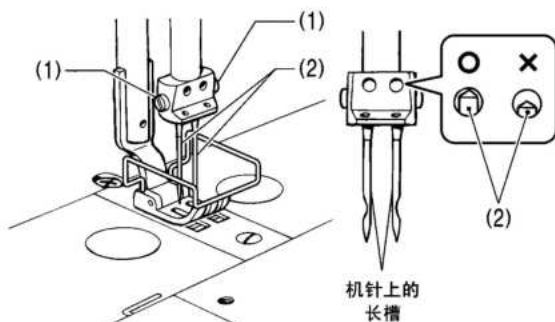
5-1. 机针的安装方法

⚠ 注意



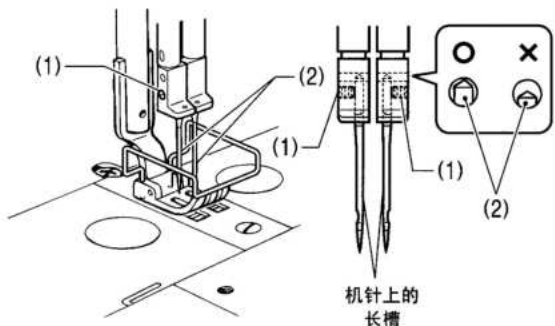
安装机针时，请切断电源。但在切断电源后，马达在稍后的一段时间内因惯性仍会继续转动，请在马达完全停止后，再进行作业。
当误按动起动开关时，缝纫机动作会导致人员受伤。

< 58420, 58720 >



1. 转动缝纫机手轮，将针杆移至最高位置。
2. 松开螺钉（1）。
3. 将机针（2）上的长槽朝着内侧，笔直插到底并拧紧止动螺钉（1）。

< 58450, 58750 >



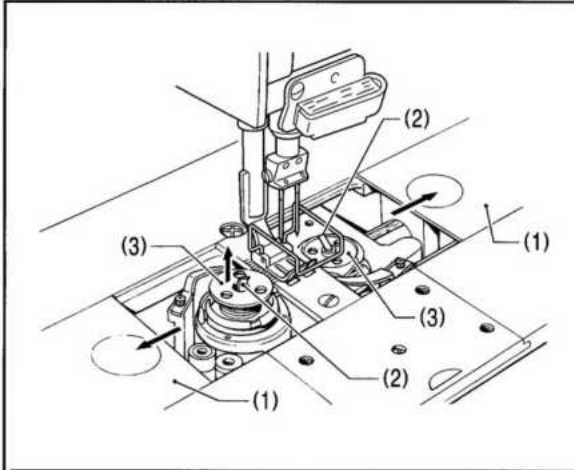
5-2. 梭芯的装拆方法

⚠ 注意



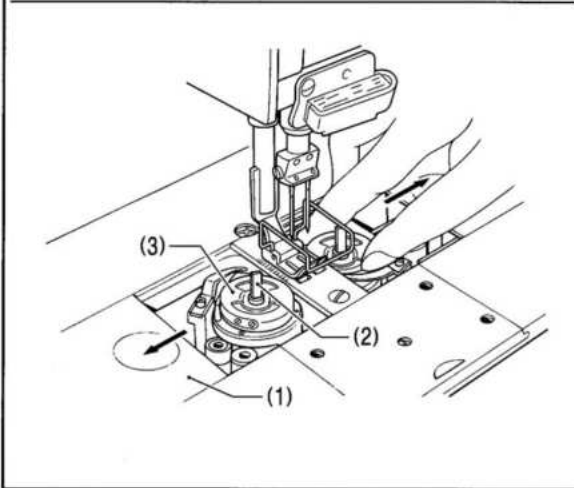
取出梭芯时，请切断电源。但在切断电源后，马达在稍后的一段时间内因惯性仍会继续转动，请在马达完全停止后，再进行作业。

当误按动起动开关时，缝纫机动作会导致人员受伤。



<挂钩式>

1. 将滑板(1)左右分开。
2. 将旋梭的捏手(2)提起之后，取出梭芯(3)。



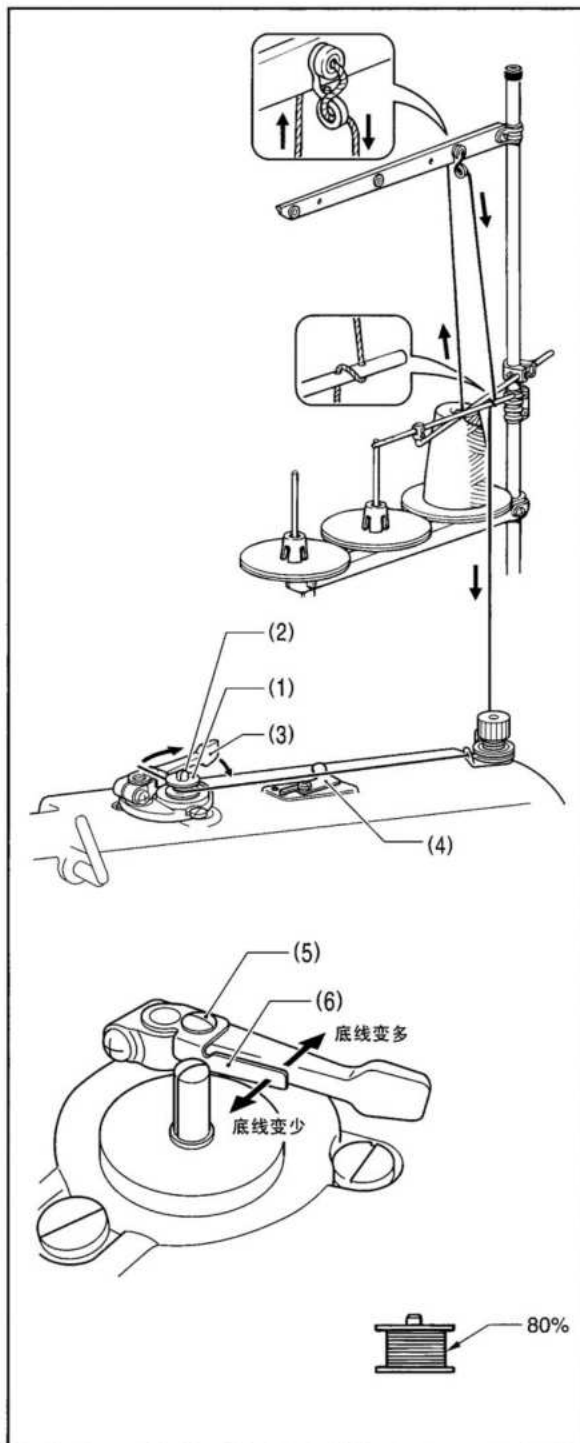
<梭芯套式>

1. 将滑板(1)左右分开。
2. 将旋梭的捏手(2)提起之后，取出梭芯套(3)。
3. 取出梭芯。

5-3. 底线的绕线方法

注意

在卷线过程中，不要触摸任何运动部件或将物件靠在运动部件上，因为这会导致人员受伤或缝纫机损坏。



1. 打开电源开关。
2. 将梭芯(1)置于梭芯卷线轴(2)上。
3. 按箭头所示的方向将线在梭芯(1)上卷绕几次。
* 请确认各部分的机线应没有松弛。
4. 将梭芯压臂柄(3)推向梭芯(1)。
5. 用压脚扳手将压脚抬起。
6. 踏下脚踏板，随即开始卷绕底线。
7. 底线卷绕一旦完成，梭芯压臂柄(3)将自动返回。
8. 底线卷绕之后，将梭芯拆下，用切刀(4)将线剪断。

* 松开螺钉(5)，移动梭芯压杆(6)调节卷绕在梭芯上的底线量。

注意：

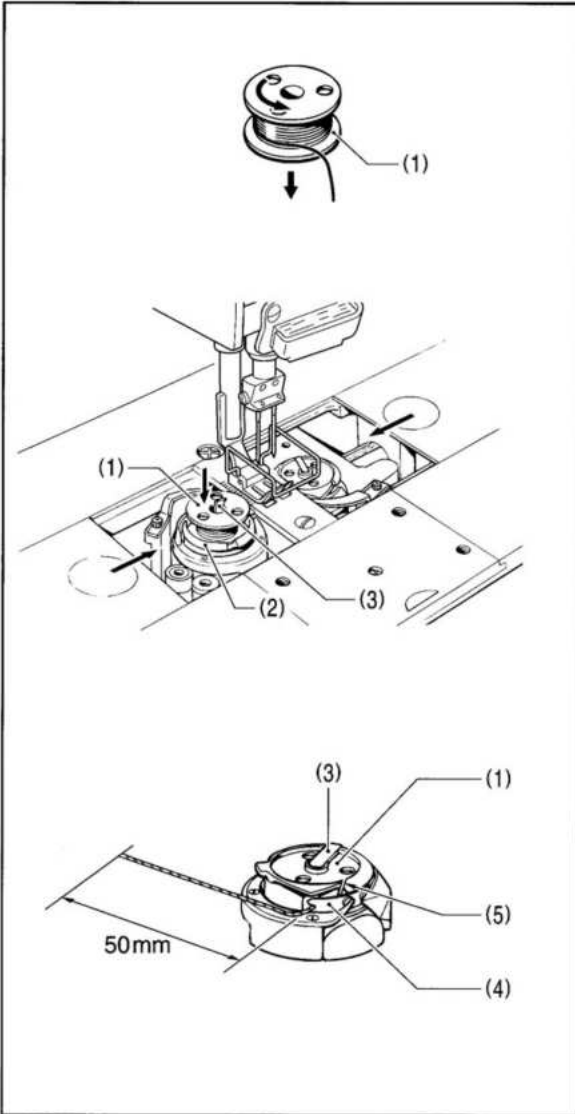
卷绕在梭芯上的底线量最多应为梭芯容量的80%。

5-4. 梭芯的装取方法

⚠ 注意

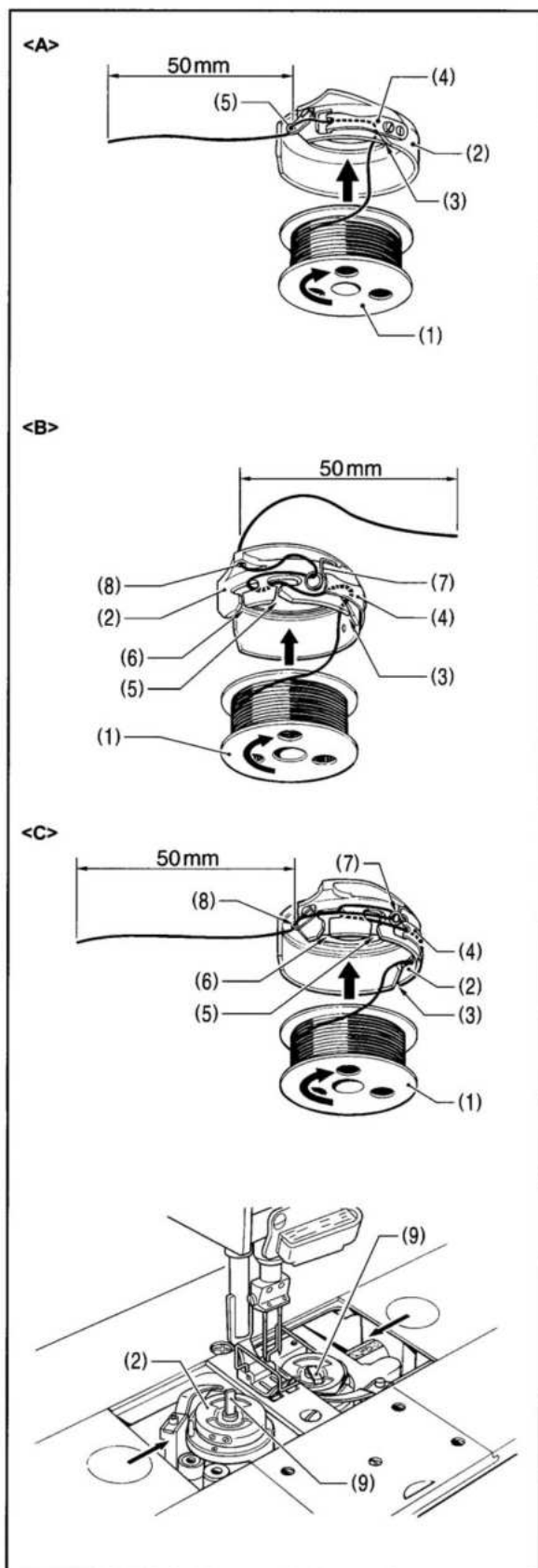


取出梭芯时，请切断电源。但在切断电源后，马达在稍后的一段时间内因惯性仍会继续转动，请在马达完全停止后，再进行作业。
当误按动起动开关时，缝纫机动作会导致人员受伤。



<挂钩式>

1. 将线的绕向置于如图所示的方向，然后将梭芯(1)放入旋梭(2)内。
2. 将旋梭的捏手(3)倒下。
3. 转动缝纫机的皮带轮，使旋梭(2)转到能见到张力弹簧(4)的位置。
4. 将线穿过旋梭的线槽(5)，使它通过张力弹簧(4)的下面。
5. 将线拉出约 50mm。
6. 关闭滑板。



<梭芯套式>

1. 将线的绕向置于如图所示的方向，然后将梭芯(1)放入梭芯套(2)内。
2. 梭芯套(2)有<A>、、<C>三种。请根据所使用的梭芯套(2)的形状，按下述进行穿线。

<A>

- 1) 将线穿过线槽(3)，使它通过张力弹簧(4)的下面。
- 2) 将线穿过线孔(8)，并拉出约50mm。

 <C>

- 1) 将线穿过线槽(3)，使它通过张力弹簧(4)的下面。
- 2) 将线穿过线槽(5)、(6)，使它钩在底线张力弹簧(7)上。
- 3) 将线穿过线孔(8)，并拉出约50mm。

3. 将梭芯套(2)放入旋梭内。
4. 将旋梭的捏手(9)倒下。
5. 关闭滑板。

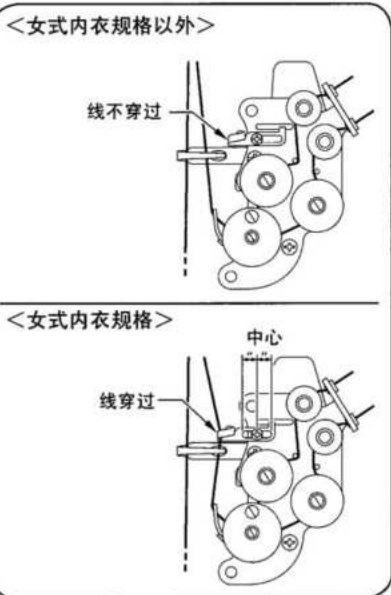
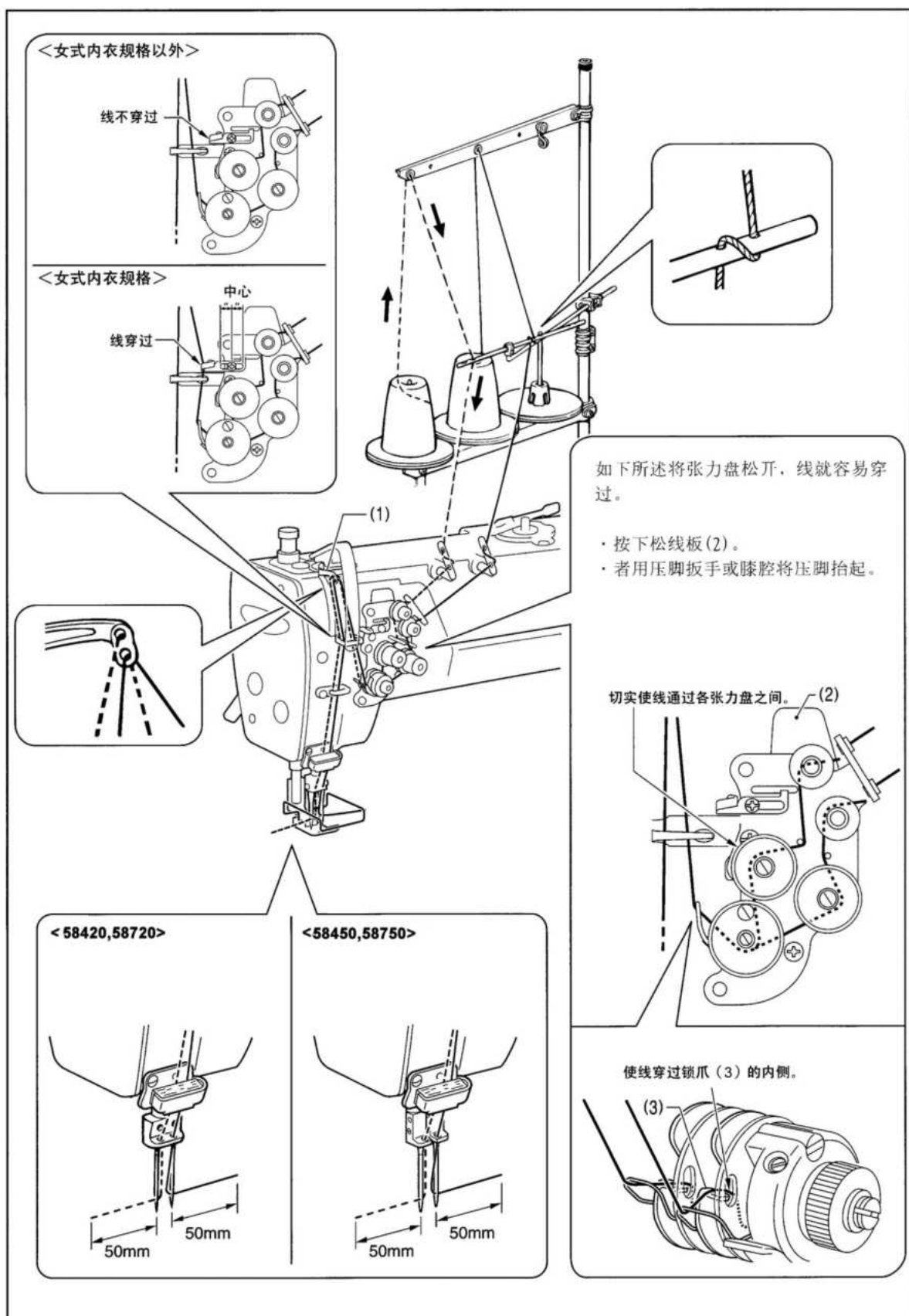
5-5. 面线的穿法

注意



在穿线过程中，请切断电源。但在切断电源后，马达在稍后的一段时间内因惯性仍会继续转动，请在马达完全停止后，再进行作业。
当误按动起动开关时，缝纫机动作会导致人员受伤。

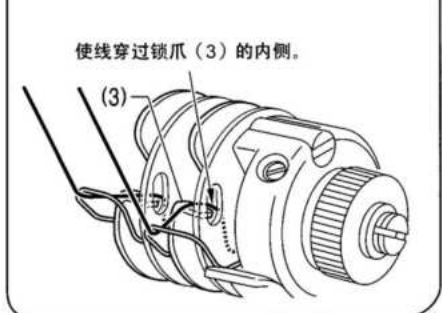
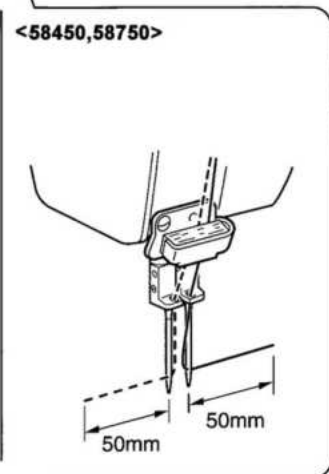
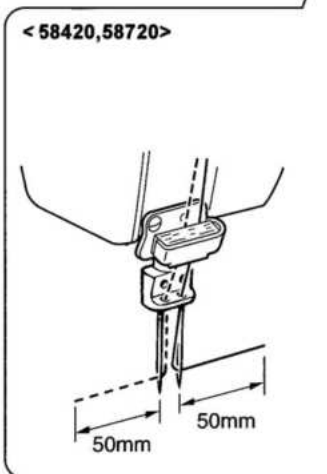
- 在穿引面线之前转动手轮，抬高挑线杆（1）。这样会使穿引更加容易，并防止面线在缝纫开始时脱落。
- 先穿左侧的线。



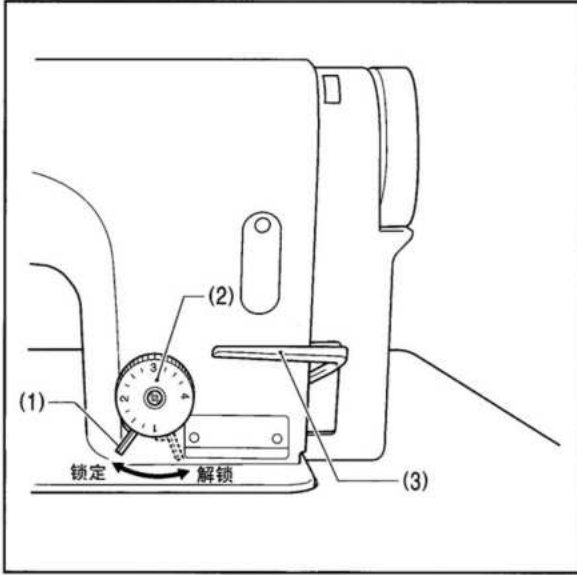
如下所述将张力盘松开，线就容易穿过。

- 按下松线板(2)。
- 者用压脚扳手或膝腔将压脚抬起。

切实使线通过各张力盘之间。(2)

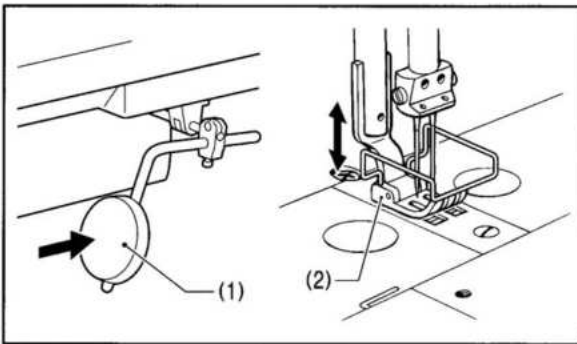


5-6. 针距的调节方法



1. 向右转动锁住旋钮扳手(1)直至听到“卡搭”一声，以解除锁定。
 2. 顺时针或逆时针转动针距旋钮(2)，使所需针距处于旋钮最上端的位置。
 - 数字越大，针距越长。
(旋钮上的数字用于参考值。实际的针距视缝纫面料的种类和厚度而定。在观察缝纫好的针距的同时进行调节。)
 - 按设定值从大到小的方向转动针距旋钮(2)时，如果将倒缝扳手(1)推至中央位置，会使旋钮转动更加容易。
 3. 将锁住旋钮扳手(1)向左转到底予以锁定。
- * 确认针距旋钮(2)不能转动。

5-7. 膝控碰块的使用方法



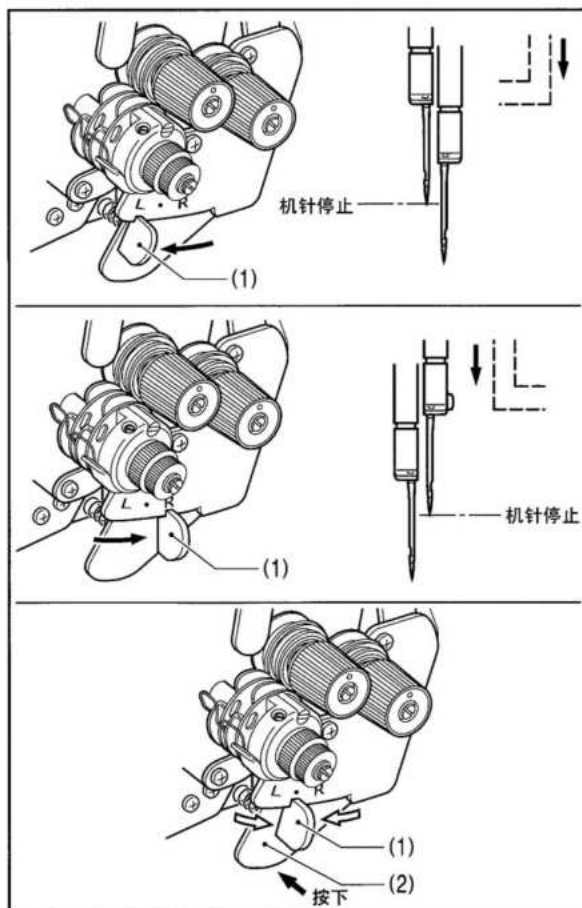
按动膝控碰块(1)可抬高压脚(2)。

5-8. 角形缝制方法 (58450,58750)

注意:

要将本缝纫机作为单针缝纫机使用时, 请把不使用一侧的机针拆掉后再进行缝纫。请不要使用下述的针杆停止方法。否则可能会导致缝纫机损坏。

5-8-1. 针杆(左、右)的停止方法



- 请在机针扎在布上的位置停止后再操作定位杆。
- 当一侧的机针已停止时, 请将缝纫速度控制在 1000rpm 以下。

〈左侧针杆的停止操作〉

将定位杆(1)置于L位置。

〈右侧针杆的停止操作〉

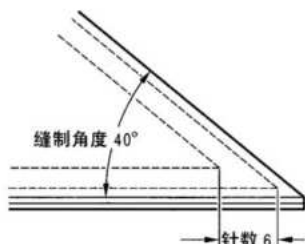
将定位杆(1)置于R位置。

〈要恢复双针缝纫时〉

将压杆(2)按下。

定位杆(1)将自动返回到原来的位置。

5-8-2. 针数速查表



缝制角度 针数	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
2					4.6	3.8	3.2	2.7	2.2	1.8	1.5	1.1
3			4.6	3.5	3.0	2.5	2.1	1.8	1.5	1.2		
4		4.4	3.4	2.8	2.3	1.9	1.6	1.3				
5	4.8	3.5	2.7	2.2	1.8	1.5	1.3					
6	4.0	2.9	2.3	1.9	1.5	1.3						
7	3.7	2.5	2.0	1.6								
8	3.0	2.2	1.7									

〈针宽 1/4 的情况〉

为了缝制出美丽的角形, 请根据上表决定针迹长度。

此外, 通过决定缝制角度和针迹长度, 就可知道外侧 1 根针缝制的针数。

[例] 如果缝制角度为 40°, 针迹长度为 2.9mm, 那么针数就是 6 针。

6. 缝纫

⚠ 注意



为了安全起见，在使用本缝纫机之前，请安装保护装置。
如果未安装这些安全装置就使用缝纫机，会造成人身伤害及缝纫机损坏。



发生下列情况时，请切断电源。但在切断电源后，马达在稍后的一段时间内因惯性仍会继续转动，请在马达完全停止后，再进行作业。

否则误按动起动开关，缝纫机动作会导致受伤。

- 机针穿线时
- 更换机针或梭芯时
- 缝纫机不使用，或人离开缝纫机时。

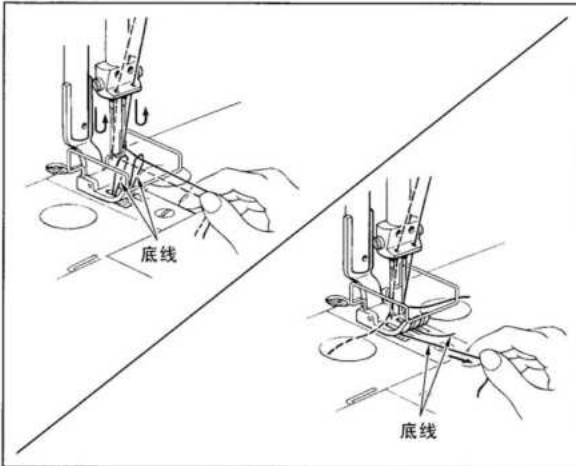


缝纫过程中，不要触摸任何运动部件或将物件靠在运动部件上，因为这会导致人员受伤或缝纫机损坏。



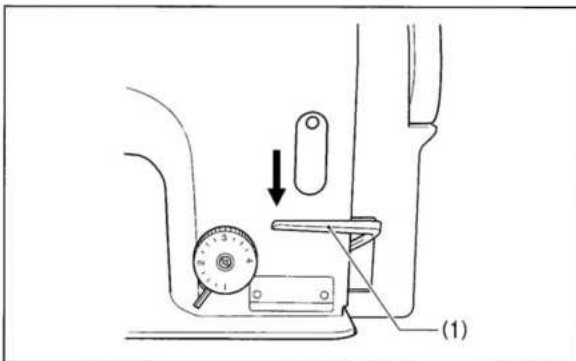
缝纫机头倒下或竖起时，请用双手进行操作。
单手操作时因缝纫机的重量万一滑落易导致受伤。

6-1. 缝纫



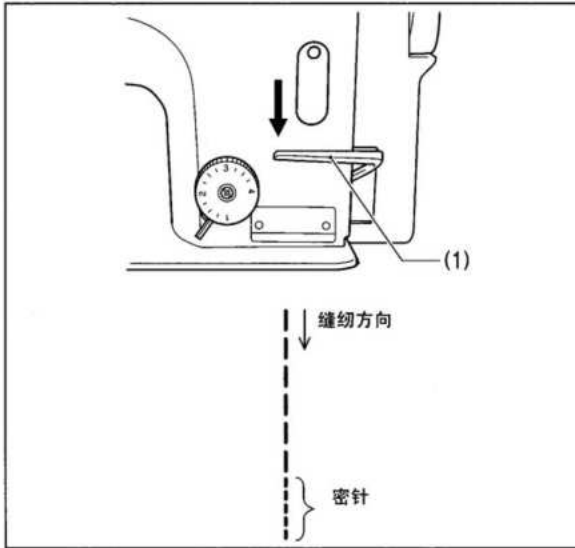
1. 一边用手指握住面线 [2 根] 一边用手把缝纫手轮朝自己身边方向转动，以将底线拉到送布齿的上面。
2. 将底线朝自己身边方向拉，确认底线应能平稳地伸出。
3. 打开电源开关。
4. 踏下脚踏板开始缝纫。

6-2. 倒缝加固的方法

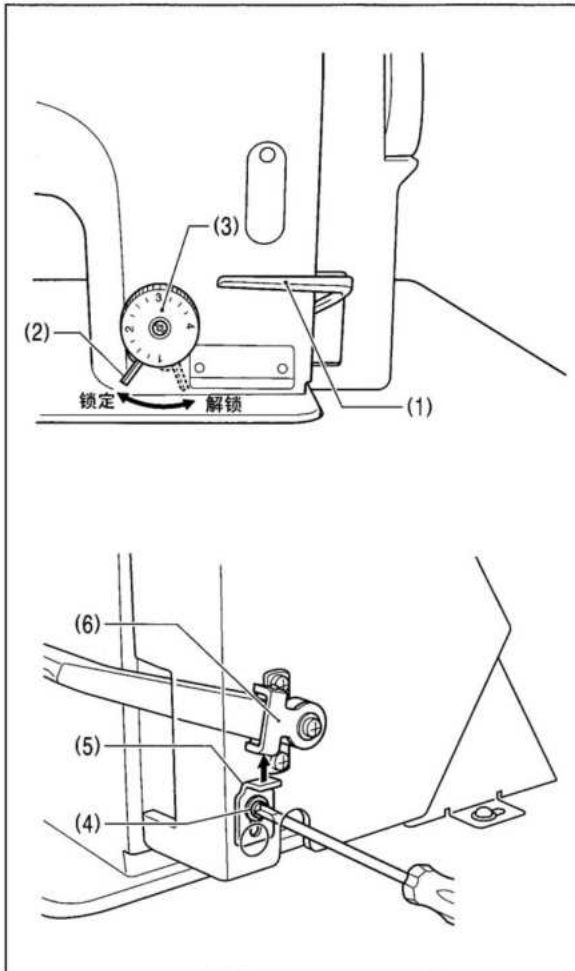


在缝纫中，如果按下倒缝扳手 (1) 布料就被倒送，一放开扳手又恢复正送布状态。

6-3. 缝纫密针的方法



- 在缝纫中，如果按下倒缝扳手(1)就能以密针的针迹长度进行缝纫(前进方向)。
- 在缝纫前，如下所述为密针设定针迹长度。



<设定>

1. 向右转动锁住旋钮扳手(2)以进行解锁。
2. 把针距旋钮(3)转到将用于密针的针迹长度。
3. 松开固定螺钉(4)，抬起手轮制动器(5)直至碰到倒缝扳手板(6)为止。
4. 拧紧固定螺钉(4)，并固定手轮制动器(5)。

<缝纫>

1. 把针距旋钮(3)恢复到正常缝纫的针迹长度。
2. 向左转动锁住旋钮扳手(2)予以锁定。
3. 开始缝纫。
4. 在要进行密针缝纫的开始位置，按下倒缝扳手(1)。(在按着期间，将进行密针缝纫。)

* 要停止密针缝纫，返回到倒缝功能时，请降下手轮制动器(5)直至碰不到倒缝扳手板(6)为止。

7. 缝纫效果

7-1. 调节线张力

正确的针迹



<p>面线张力过小或底线张力过大。</p>	<p>→ 增大面线张力。 减小底线张力。</p>
<p>面线张力过大或底线张力过小。</p>	<p>→ 减小面线张力。 增大底线张力。</p>

<挂钩式>

张力变小 张力变大

<梭芯套式>

张力变大
张力变小

<底线张力>

⚠ 注意

在进行底线的张力调整前先关闭电源开关。但在切断电源后，马达在稍后的一段时间内因惯性仍会继续转动，请在马达完全停止后，再进行作业。如果误踩下踏板，缝纫机动作会导致人员受伤。

转动底线张力螺钉 (1) 进行调节。

张力变大 张力变小

张力变小 张力变大

(2)

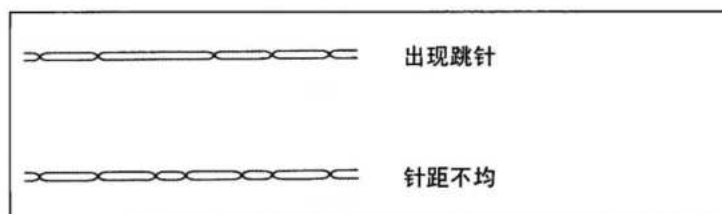
<面线张力>

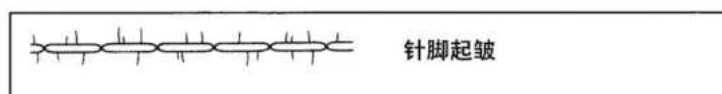
在底线张力调节之后，调节面线张力以使针脚均匀平整。

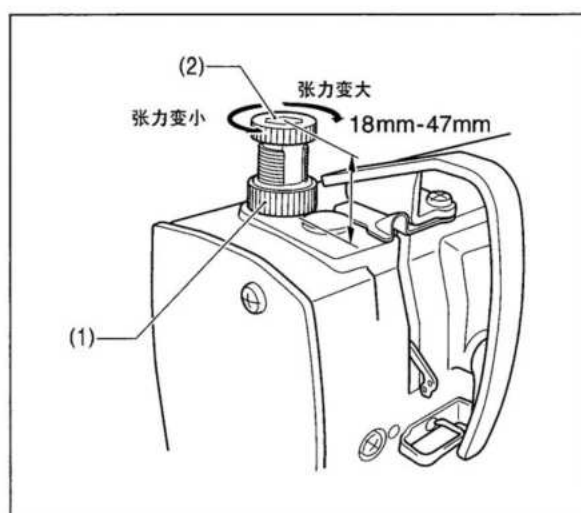
1. 降下压脚。
2. 转动夹线螺母 (2) 进行调节。

7-2. 调节压脚压力

正确的针迹

增加压力


减小压力


应尽可能减小压脚压力，但须有足够压力使面料不致滑动。

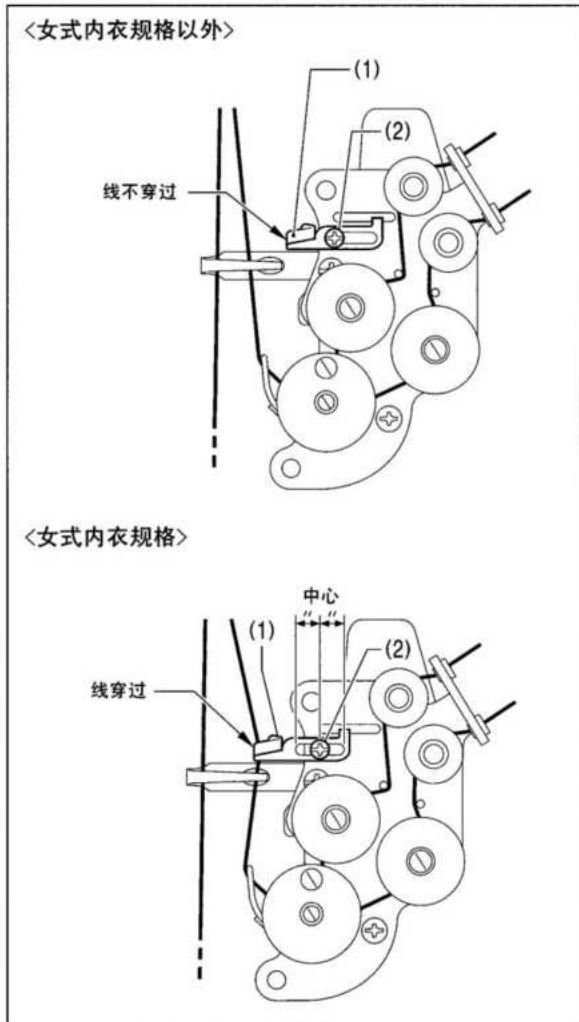
(以下表的“压脚调节螺钉高度”为大致标准进行调节。)

1. 松开调节螺母(1)。
2. 转动压力调节螺栓(2)以调节压脚压力。
3. 拧紧调节螺母(1)。

参考值

用途	压脚调节螺栓高度
女式内衣用	约 34mm
适用于较薄的和中厚的面料	约 34mm
适用于较厚的面料	约 29mm

7-3. 挑线量的调节



采用向线量调整器（1）穿过线的方法来调节挑线量。

<标准线量调整器（1）的使用方法>

女式内衣规格以外

使线不穿过线量调整器（1）。松开固定螺钉（2），将线量调整器（1）移向右侧。

女式内衣规格

使线穿过线量调整器（1）。

固定螺钉（2）被置于调整范围的中间状态时，就是线量调整器（1）的标准位置。

<挑线量的调节>

使线穿过线量调整器（1）进行调节，越将线量调整器（1）向右移则挑线量越少。

使线不穿过线量调整器（1）为较好的情况

- 用女式内衣规格的缝纫机缝制厚布料时
- 要加长针迹等而挑线量不够时

使线穿过线量调整器（1）为较好的情况

- 使用帝特纶等易滑的机线时
- 缝制薄的布料时
- 以 2mm 以下的针迹长度进行缝纫时
- 在以上述 3 种条件进行缝纫的情况下，为了防止发生跳线、毛巾针迹等机线松紧不良和断线时

8. 保养

⚠ 注意



在开始清洁作业前，请切断电源。但在切断电源后，马达在稍后的一段时间内因惯性仍会继续转动，请在马达完全停止后，再进行作业。

当误按动起动开关时，缝纫机动作会导致人员受伤。



使用润滑油和黄油时，务必戴好保护眼镜和保护手套等，以防润滑油落入眼中或沾在皮肤上，这是引起发炎的原因。

另外，润滑油或黄油不能饮用，否则会引起呕吐和腹泻。

将油放在小孩拿不到的地方。

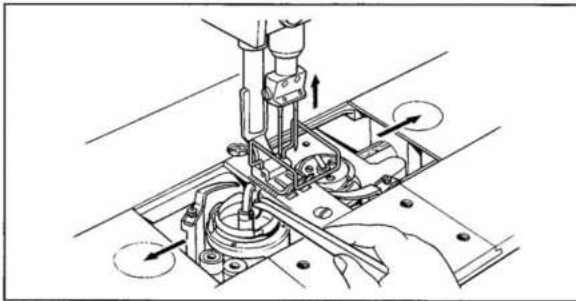


缝纫机头倒下或竖起时，请用双手进行操作。

单手操作时因缝纫机的重量万一滑落易导致受伤。

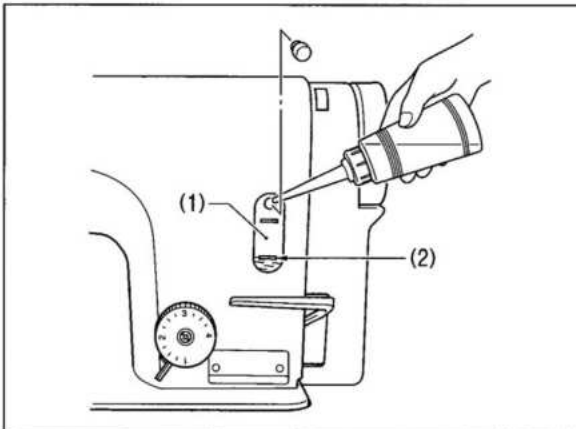
8-1. 日常清洁程序

为了保持缝纫机的机能，而且能长久的使用，请每天保养。另外，缝纫机如果长时间未使用，请在进行了如下的保养后再使用。



<保养>

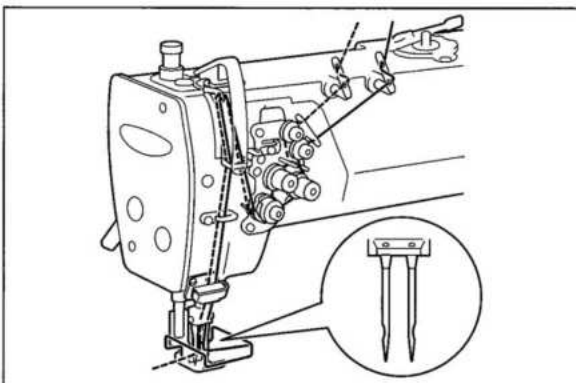
1. 转动缝纫机的皮带轮，将机针置于最高位置。
2. 将滑板左右分开。
3. 取出梭芯。
4. 清除旋梭内的线头等。
5. 安装梭芯（和梭芯套）。



<给油箱添加机油>

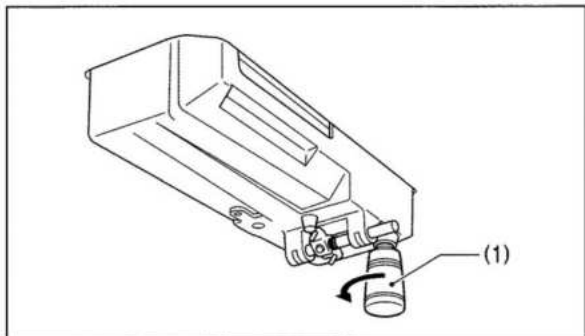
只使用本公司规定的润滑油。

1. 当润滑油的液位下降到油量计视窗(1)的下基线(2)以下时，应添加润滑油（参照第11页）。



<检查>

1. 如果机针弯曲或针尖断裂，应予以更换。
2. 检查上线是否穿引正确。（参阅第19页。）
3. 进行试缝。

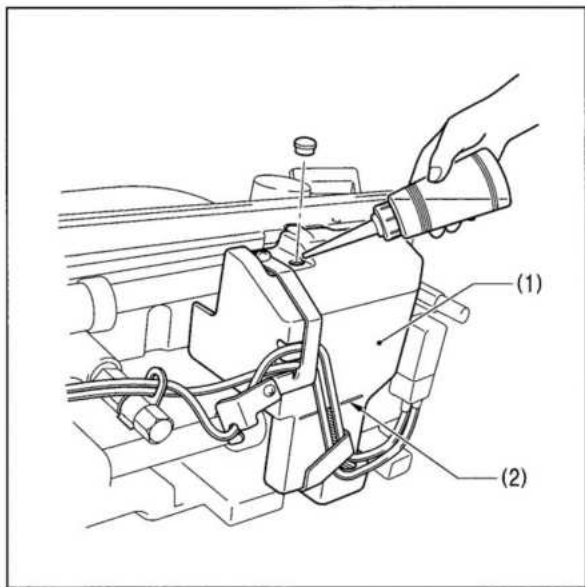


<废油>

1. 当注油器 (1) 内积满了润滑油时, 请拧松注油器 (1) 将它拆下, 倒掉润滑油。
2. 将注油器 (1) 拧入油盘。

* 请按照法律规定, 正确地处理废油。

8-2. 给油盖添加机油 (每隔 6 个月)



<微量加油型>

大致每隔 6 个月一次, 给油盖 (1) 补充润滑油。

<针杆无油型>

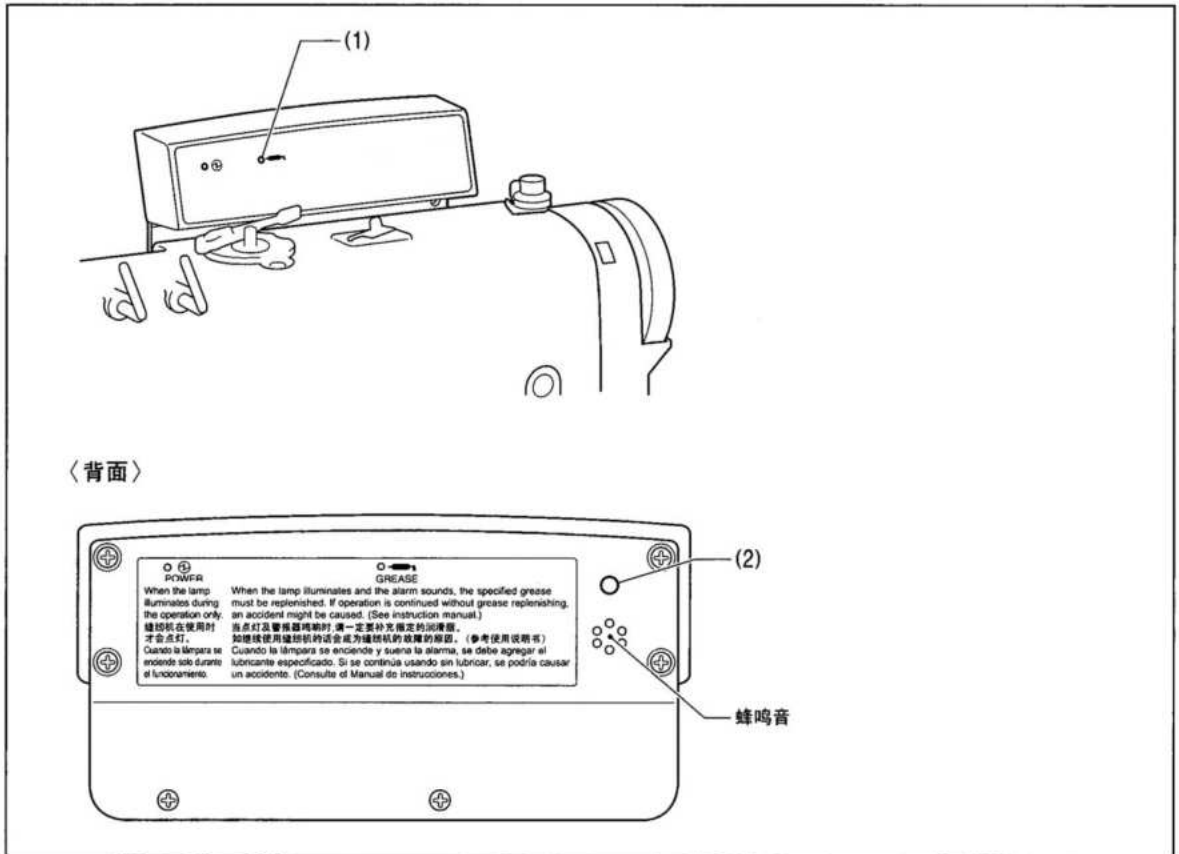
基本上在补充润滑脂的同时, 也应给油盖 (1) 补充润滑油。

只使用本公司规定的润滑油。

1. 将缝纫机头部倒下。
2. 给油盖 (1) 添加润滑油, 直至液位达到基准线 (2) 位置。(参照第 11 页)
3. 将缝纫机头部返回原位。

8-3. 添加润滑脂—当 GREASE 指示灯点亮时（针杆无油型）

每次踩下踏板时，如果 GREASE 指示灯（1）点亮，而且蜂鸣器鸣响，则表示是应该添加润滑脂的时间了。请参照下一页所述来添加润滑脂。

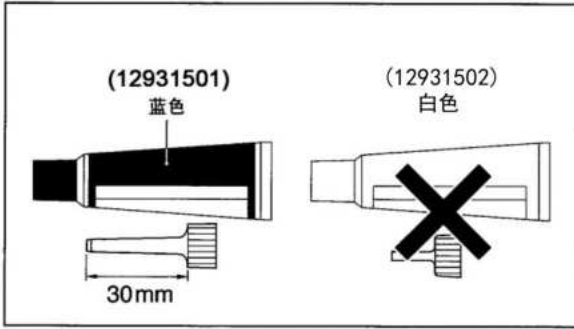


<暂时不添加润滑脂继续缝纫>

1. 按复位开关（2）约 1 秒钟。
（即使踩下踏板蜂鸣器也不鸣响，只是 GREASE 指示灯（1）点亮。）
2. 在此状态下虽然仍可以继续缝纫，但如果缝纫机累计工作时间再增加 10 小时，蜂鸣器就会再次鸣响。此时，请参照下一页所述来添加润滑脂，并进行复位操作。

* 如果不添加润滑脂就进行复位操作，并继续操作缝纫机，则可能会引起缝纫机故障。

<添加润滑脂>

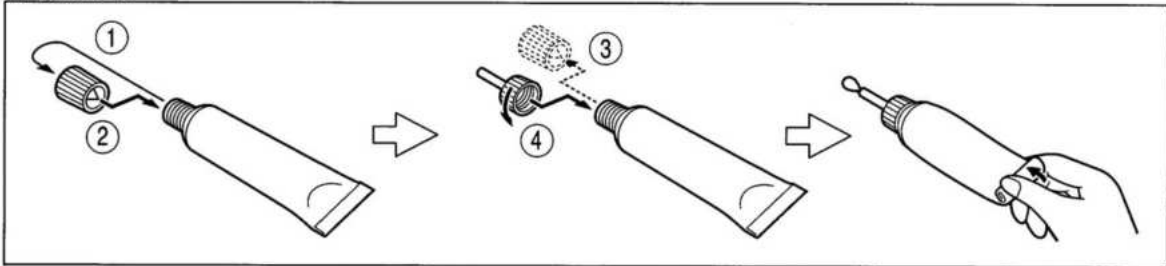


注意:

- 只使用本公司规定的润滑脂(12931501)蓝色软管。
- 对于这种机型, 请不要使用(12931502)白色软管。
- 除了明确标示“请使用(12931501)”的机型外, 请不要使用(12931501)蓝色软管。

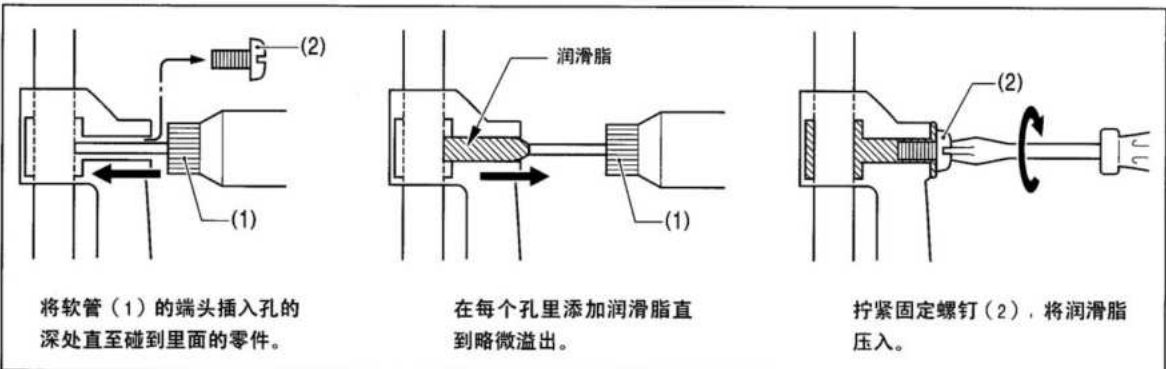
润滑脂请购买“润滑脂组件(12931501)”。

1. 使用导管

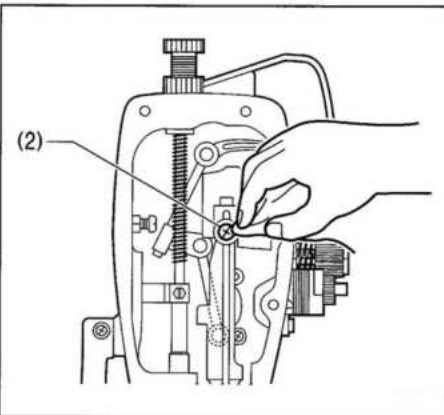


2. 添加润滑脂

按照下述方法, 给下一页上有箭头标记的部位添加润滑脂。



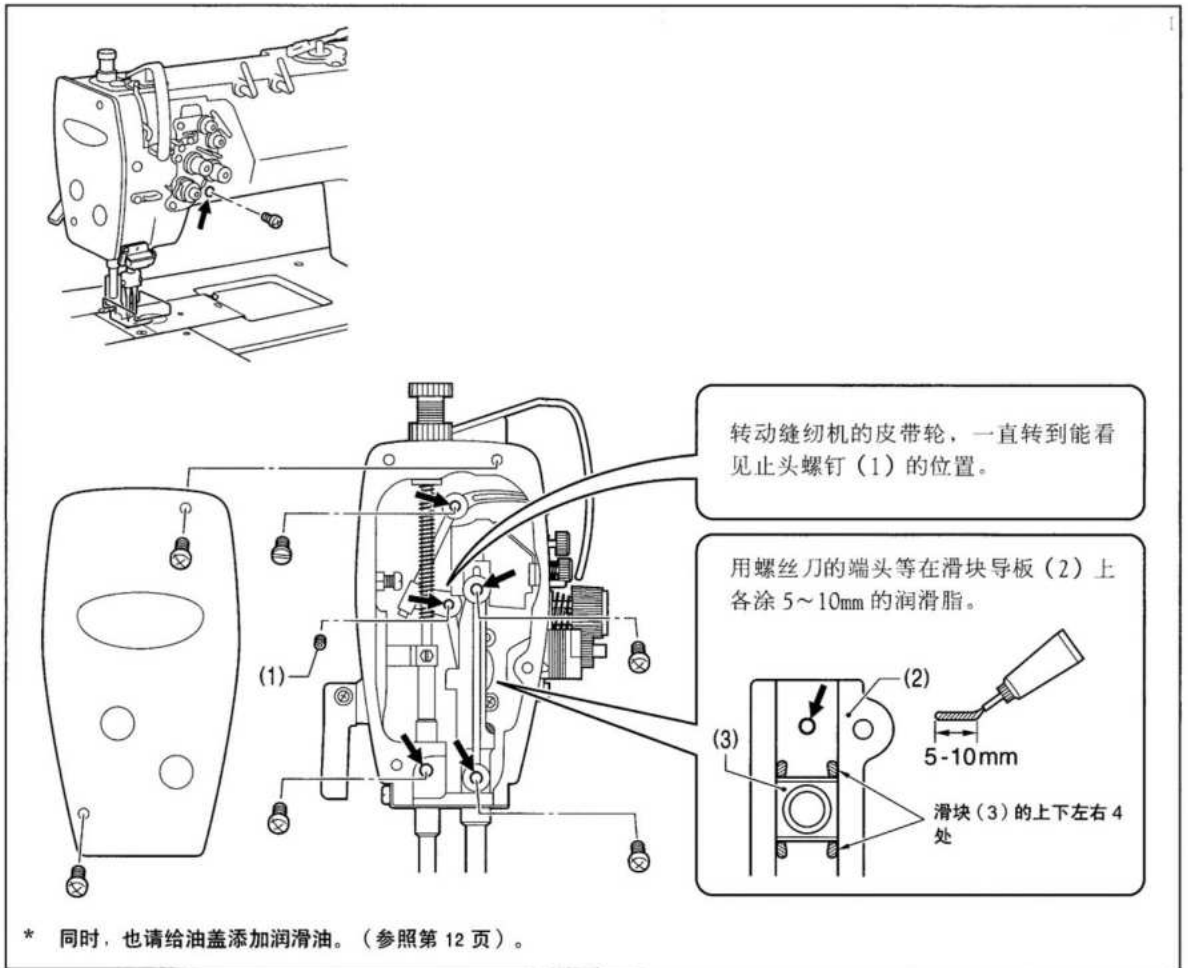
1. 电源开关拨到 OFF (关闭)。
2. 拧下固定螺钉 (2)。(需要补充润滑脂的部位, 请参照下一页。)
3. 在每个孔里添加润滑脂直到润滑脂略微溢出。
4. 通过拧紧固定螺钉 (2), 以将润滑脂压入。



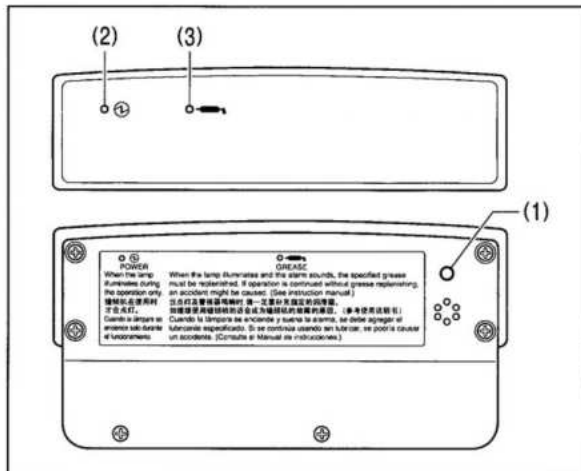
5. 用布擦去溢出在固定螺钉 (2) 周围的润滑脂
6. 以同样的方法, 给下一页上所示的各个部位添加润滑脂。
7. 执行下面的复位操作。

[注意]

- 润滑脂开封后请从软管取下喷嘴, 盖紧盖子并保管在阴暗处。
 - 请尽早将管内的润滑脂全部用完。
 - 要再次使用时, 请先除去残留在喷嘴内旧的润滑脂, 然后再使用。
- (开封后的润滑脂可能会老化变质, 从而不能充分发挥其性能, 因此, 请注意要保管好。)



<复位累计工作时间>



在确实添加了润滑脂以后，请按下述步骤将添加润滑脂前的累计时间复位到零。

1. 在蜂鸣器发出短促的蜂鸣音（约0.5秒）之前，持续按复位开关(1)约5秒钟。（蜂鸣器一鸣响就放开。）
2. 再次持续按复位开关(1)约5秒钟。如果蜂鸣器发出长的蜂鸣音（约2秒钟），则复位操作完成。

<复位完成的确认方法>

接着，当使缝纫机工作时，如果仅POWER指示灯(2)点亮，则表示复位操作已正确完成。

[注意]

- 如果复位操作没有正确完成，请再次进行上述步骤1. ~2. 的操作。
- 如果按下复位开关(1)，GREASE指示灯(3)不点亮，蜂鸣器也不鸣响，则请一旦使缝纫机工作30秒钟以上后，再次进行复位操作。
- 除了在添加润滑脂以后，请绝对不要按复位开关(1)。

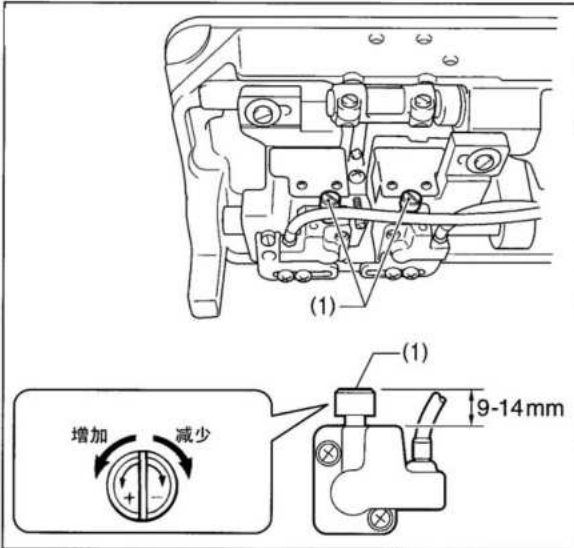
9. 旋梭供油量的调整

⚠ 注意



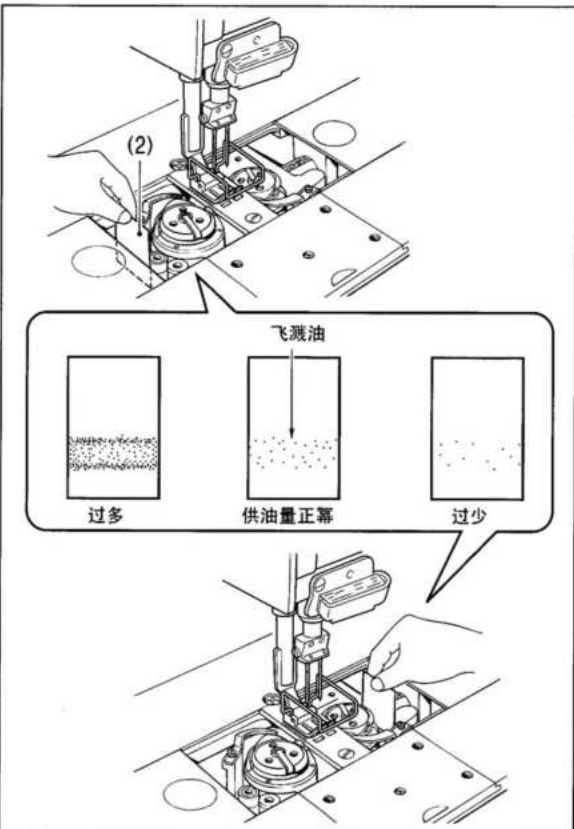
在检查旋梭供油量时,手指和油量测试纸不能碰到旋梭和送布机构等运动零部件。是导致人员受伤的原因。

如更换了旋梭或要变更缝纫速度时,请按下述步骤调整旋梭的供油量。



<供油量调整的大致标准>

1. 将缝纫机头部倒下。
2. 转动油量调节螺钉(1), 将其高度调整到9~14mm。



<供油量的确认>

1. 切断电源开关。
2. 拆去挑线杆至机针上的线。
3. 取下机针和梭芯。
4. 用抬压脚扳手抬起压脚。
5. 接通电源开关。
6. 以缝纫机实际缝纫时的转速进行约1分钟的空运转(适度的断续运转)。
7. 将油量测试纸(2)插入旋梭的左侧(右侧是指旋梭的右侧)并握住,以实际缝纫时的缝纫机转速使缝纫机运转8秒钟。(对油量测试纸(2)的纸质没有什么要求。)
8. 确认飞溅到测试纸上的油量

<供油量的调整>

1. 将缝纫机头部倒下。
2. 转动油量调整螺钉(1), 调整供油量。
 - 向左转动油量调整螺钉(1), 供油量增加。
 - 向右转动油量调整螺钉(1), 供油量减少。
3. 参照上述[供油量的确认]所述来检查供油量。
 - * 请反复进行油量调整螺钉的调整及供油量的确认,直到获得适当的供油量为止。
4. 在进行了约2小时的缝纫后,请再次检查供油量。

10. 故障检修




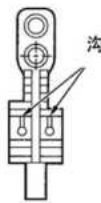

- 您在要求维修或服务前，先检查以下各点。
- 如果以下方法仍然不能解决问题，关闭电源开关，向受过训练的技术人员或经销商咨询。

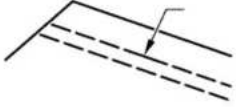
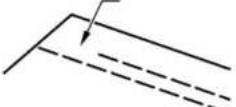

⚠ 注意

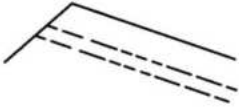

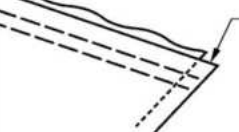

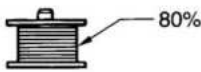


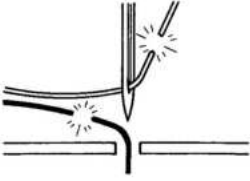
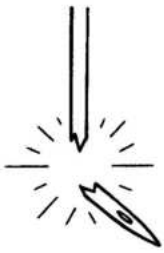
在进行故障查寻之前，请先关闭电源开关并断开电源线。但在切断电源后，马达在稍后的一段时间内因惯性仍会继续转动，请在马达完全停止后，再进行作业。
否则如果误按动起动开关，缝纫机会动作，导致人身伤害。

“页码”栏目中带有“*”记号的只能由合格的技术人员进行检查。

现象	检查及调整	参照页
1 打开电源并踩下脚踏板时，缝纫机不工作。	<ul style="list-style-type: none"> · 断路器或保险丝是否已断开？ · 电源线是否已脱开？ · V型皮带是否已装好？ 	* 8
2 面线不够紧密  底线不够紧密 	<ul style="list-style-type: none"> · 缝纫机线是否穿引正确？ 如果穿引不正确，应正确穿引机线。 · 面线张力或底线张力是否太弱？ 调节面线张力或底线张力。 · 取线弹簧的动作范围是否太小？ 降低取线弹簧止动器的位置。 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>当使用中厚布料规格的缝纫机时，根据布料种类等的不同可能会出现缝线不够紧密的情况。 在此情况下，请换上后面有间隙的压脚。或者换上带沟的送布牙齿。</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> </div>	18 ~ 22 27 *
3 布料下出现环结等不良 	<ul style="list-style-type: none"> · 线路是否不够光滑？ 用细粒锉刀或砂纸将线路打磨光滑。 · 梭芯是否旋转流畅？ 拉出底线检查机线张力是否松弛，或更换梭芯或梭芯套。 · 挑线量是否过多？ 调整挑线量。 	29

	现象	检查及调整	参照页
4	<p>缝纫时出现跳针</p> 	<ul style="list-style-type: none"> • 机针是否弯曲？针尖是否钝化？ 如果针尖弯曲或断裂，应予以更换。 • 机针是否安装正确？ 如果机针安装不正确，应正确加以安装。 • 缝纫机线是否穿引正确？ 如果穿引不正确，应正确穿引机线。 • 压脚压力是否过小？ 调整压脚压力。 • 机针是否太细？ 更换大一号的机针。 • 压脚是否太高？ 调整压脚高度。 • 挑线簧是否太弱？ 调整挑线簧的张力。 • 挑线量是否过多？ 调整挑线量。 	<p>16</p> <p>18 ~22</p> <p>28</p> <p>*</p> <p>*</p> <p>29</p>
5	<p>缝纫开始时出现跳针 缝纫开始时出现脱线</p> 	<ul style="list-style-type: none"> • 挑线簧张力是否过大？ 减小挑线簧张力。 • 挑线簧工作范围是否过大？ 升高取线弹簧止动器的位置。 • 缝纫开始时，挑线杆是否在最高位置？ 缝纫开始时，请将挑线杆置于最高位置。 • 从机针引线孔伸出的线头是否太短？ 缝纫开始时，请从引线孔将线头拉出约 50mm。 • 机针是否过粗？ 使用比现有机针小一号的机针。 • 在缝制薄的布料、中厚布料时，是否使用了后面有间隙的压脚或带沟的送布牙齿？ 应使用后面无间隙的压脚。 应使用不带沟的送布牙齿。 <div style="text-align: center;">  </div>	<p>*</p> <p>*</p> <p>21</p> <p>22</p>

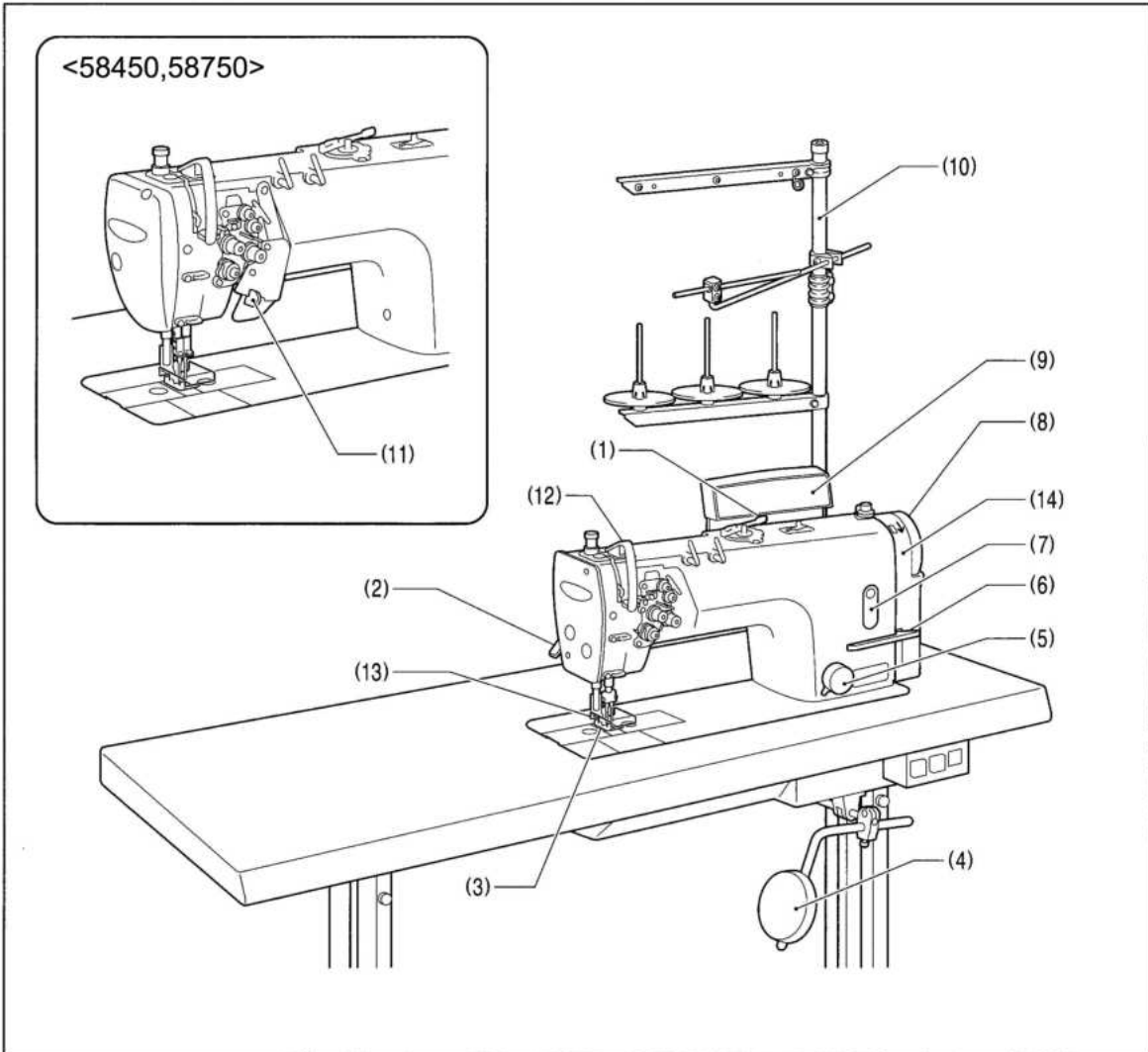
	现象	检查及调整	参照页
6	线缝不平整 	<ul style="list-style-type: none"> • 压脚压力是否过小? 调整压脚压力。 • 送布牙高度是否太低? 调整送布牙高度。 • 梭芯是否有划痕? 如果梭芯受损, 用油磨石打磨光滑, 或予以更换。 • V型皮带的张力是否太小? 用手指按压V型皮带, 将皮带的挠度调整到10~14mm。 	28 * 8
7	大量的皱褶(张力过大) 	<ul style="list-style-type: none"> • 面线张力是否过大? 尽量减小面线张力。 • 底线张力是否过大? 尽量减小底线张力。 • 挑线簧张力是否过大? 尽量减小挑线簧张力。 • 挑线簧工作范围是否过大? 尽量升高取线弹簧止动器的位置。 • 压脚压力是否过大? 调整压脚压力。 • 挑线量是否过少? 调整挑线量。 	27 27 * * 28 29
8	线缝不合 	<ul style="list-style-type: none"> • 压脚压力是否过大? 调整压脚压力。 	28
9	在缝纫开始时底线纠结缠绕。 	<ul style="list-style-type: none"> • 拉出底线时, 梭芯旋转方向是否正确? 安装梭芯, 使其朝旋梭相反的方向旋转。 • 梭芯上卷绕的机线是否过多? 梭芯卷绕量不应超过80%。 • 梭芯转动是否流畅? 如果梭芯转动不流畅, 应更换梭芯。 • 是否使用了除 Brother 规定的轻合金梭芯以外的其他梭芯? 仅使用 Brother 规定的梭芯。 	19 ~ 20 18 19 ~ 20

	现象	检查及调整	参照页
10	面线和底线断裂。 	<ul style="list-style-type: none"> • 机针是否弯曲或针尖是否断裂？ 如果机针弯曲或断裂，应予以更换。 • 机针是否安装正确？ 如果机针安装不正确，应正确加以安装。 • 缝纫机线是否穿引正确？ 如果穿引不正确，应正确穿引机线。 • 是否已给油箱添加了机油？ 如果润滑油的液位下降到油量计视窗的下基线以下，应添加机油。 • 面线或底线张力是否过小或过大？ 调整面线或底线张力。 • 旋梭部分是否沾有灰尘或线头？ 进行旋梭的清洁。 • 面线是否因挑线簧工作范围太小而松动？ 调整取线弹簧止动器的位置。 • 旋梭、送布牙或其他部件是否受损？ 如果这些部件受损，用油磨石打磨光滑，或更换受损部件。 • 线路是否受损？ 如果线路受损，用砂纸打磨光滑或更换受损部件。 • 挑线量是否适当？ 调整挑线量。 	16 18 ~ 22 12 27 30 * * * 29
11	断针。 	<ul style="list-style-type: none"> • 缝纫过程中是否在送入或拉出面料时用力过度？ • 机针是否弯曲？针尖是否断裂或针孔是否被堵住？ 更换机针。 • 机针是否在送布牙齿的机针孔中心上下运动？ 确认机针的下落情况。如果机针不在送布牙齿的机针孔中心上下运动，应重新安装送布牙齿。 在针杆旋转时，转动针杆将它调整到正确的位置。 <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>注意</p> <ul style="list-style-type: none"> • 如果断针不慎掉入缝纫衣物中，会有很大的危险。请尽可能找出机针的残骸，直至找齐整枚机针。 • 另外，请保留机针的记录，我们推荐以制造者责任法进行机针管理。 </div>	16 * *
12	当踩下踏板时，警报器的 GREASE 指示灯点亮、蜂鸣器鸣响	<ul style="list-style-type: none"> • 表示是应该添加润滑脂的时间了。 请添加润滑脂。 	32

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1. NAMES OF MAJOR PARTS

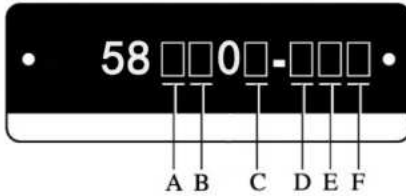


- (1) Bobbin winder
- (2) Lifting lever
- (3) Presser foot
- (4) Knee lifter assembly
- (5) Stitch length dial
- (6) Reverse lever
- (7) Oil gauge window
- (8) Machine pulley
- (9) Alarm display (semi dry type)
- (10) Cotton stand
- (11) Stop lever (58450,58750)

Safety devices

- (12) Thread take-up cover
- (13) Finger guard
- (14) Belt cover

2. MACHINE SPECIFICATIONS



A		4	7	
	Rotary hook	Standard hook	Large hook	
B		2	5	
	Stitch function	Fixed needle bar	Split needle bar	
C		—	D	
	Drive fashion	—	Direct drive	
D		0	0	4
	Quick reverse	—	○	○
	Thread wiper	—	○	○
	Thread trimmer	—	○	○
	Auto Lifter components	—	—	○
E		0	3	
	Lubrication	Minimum Lubrication	Semidry	
F		F	3	5
	USE	For foundation	For light-weight and medium-weight material	For heavy-weight materials

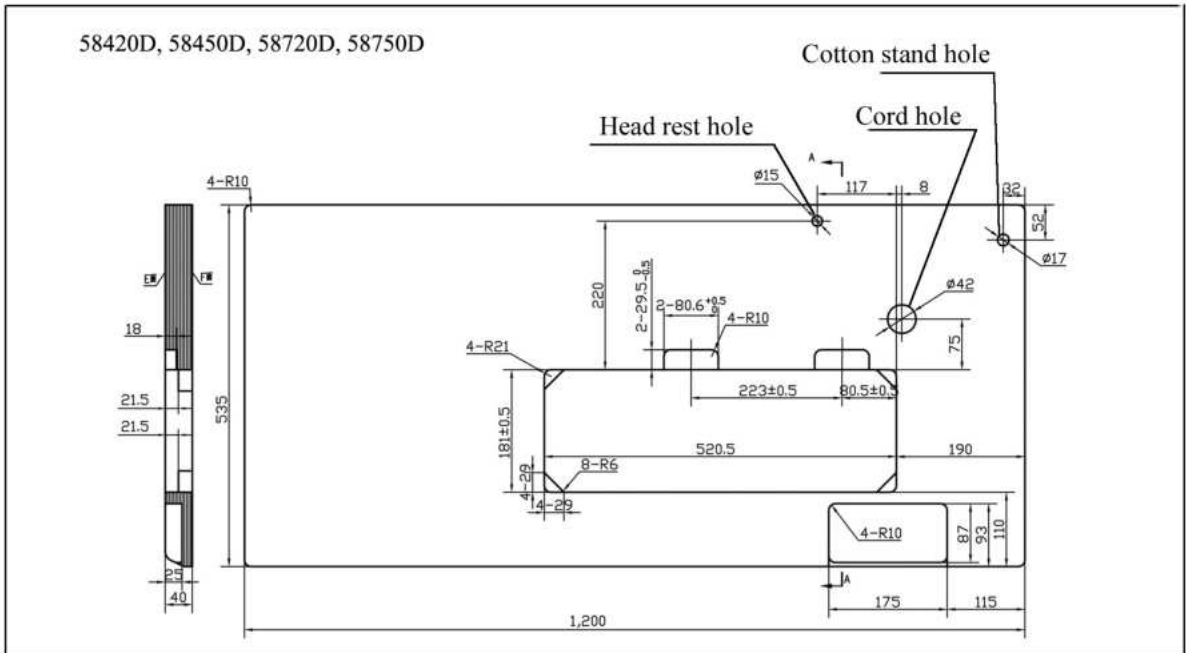
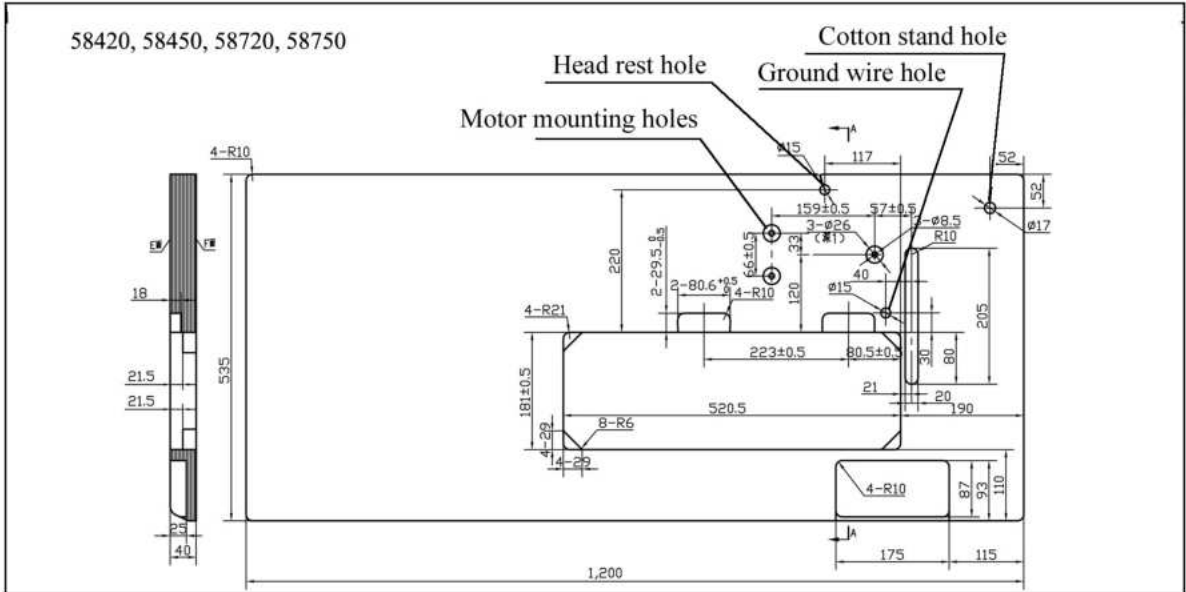
Machine specifications

Model	Max. speed (rpm)	Max. stitch length	Presser foot height		Feed dog height	Needle (DP × 5)
			Lifting lever	Knee lifter		
58420-003	4000	4	7	13	1	#11-#16
58420-005	3000	5	7	13	1	#14-22#
58450-003	3000	5	7	13	1	#11-#16
58450-005	3000	5	7	13	1	#14-22#
58720-003	3000	7	7	13	1	#11-#16
58720-005	3000	7	7	13	1	#14-22#
58750-003	3000	7	7	13	1	#11-#16
58750-005	3000	7	7	13	1	#14-22#
58420D-403	4000	4	7	13	1	#11-#16
58420D-405	3000	5	7	13	1	#14-22#
58450D-403	3000	5	7	13	1	#11-#16
58450D-405	3000	5	7	13	1	#14-22#
58720D-403	3000	7	7	13	1	#11-#16
58720D-405	3000	7	7	13	1	#14-22#
58750D-403	3000	7	7	13	1	#11-#16
58750D-405	3000	7	7	13	1	#14-22#

3. TABLE AND MOTOR

A. Table processing diagram

- The top of the table should be 40 mm in thickness and should be strong enough to hold the weight and with-stand the vibration of the sewing machine.
- Drill holes as indicated in the illustration below.



B. Motor

⚠ CAUTION



All cords should be secured at least 25 mm away from any moving parts. 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.

<Motor>

- Use one of the clutch motors given in the table at right as the motor.
- Refer to the instruction manual for the motor for details on installing and using the motor.

Power	Motor
Single-phase	2-pole, 400 W motor
Three-phase	2-pole, 400 W motor

<Motor pulley and V-belt>

Select the correct motor pulley and V-belt by referring to the table below to suit the power frequency of your area.

Sewing speed	Frequency	Motor pulley (Outer diameter)	V-belt
4,000 rpm	50 Hz	Motor pulley 100	46
	60 Hz	Motor pulley 85	45
3,500 rpm	50 Hz	Motor pulley 90	45
	60 Hz	Motor pulley 70	44
3,000 rpm	50 Hz	Motor pulley 75	44
	60 Hz	Motor pulley 65	43

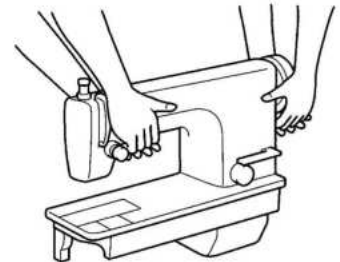
4. INSTALLATION

⚠ CAUTION

- ⊘ Machine installation should only be carried out by a qualified technician.
- ⚠ Contact your Brother dealer or a qualified electrician for any electrical work that may need to be done.
- ⚠ The sewing machine weighs approximately 43 kg. The installation should be carried out by two or more people.
- ⊘ Do not connect the power cord until installation is complete. The machine may operate if the treadle is depressed by mistake, which could result in injury.
- ⚠ Use both hands to hold the machine head when tilting it back or returning it to its original position. If only one hand is used, the weight of the machine head may cause your hand to slip, and your hand may get caught.
- ⚠ Be sure to connect the ground. If the ground connection is not secure, you run a high risk of receiving a serious electric shock, and problems with correct operation may also occur.

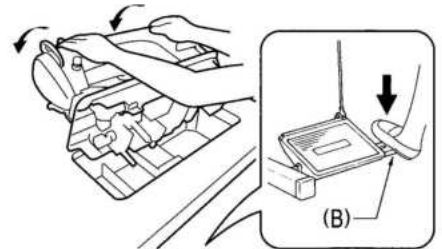
Carrying the machine

- The machine should be carried by the arm by two people as shown in the illustration.
- * Make sure that the machine pulley does not turn.



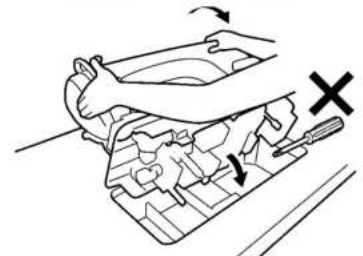
Tilting back the machine head

- Hold section (B) with your foot so that the table does not move, and then push the arm with both hands to tilt back the machine head.

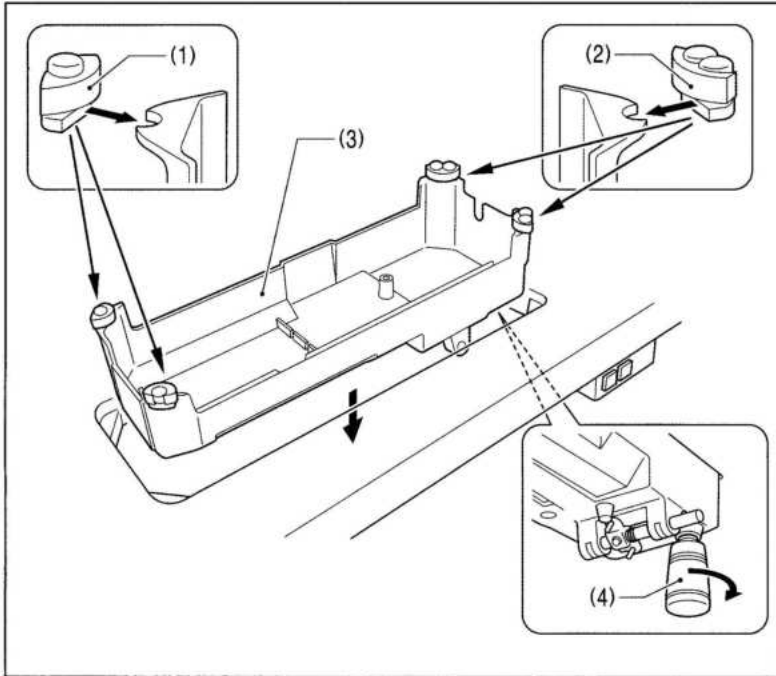


Returning the machine head to the upright position

1. Clear away any tools, etc. which may be near the table holes.
2. While holding the face plate with your left hand, gently return the machine head to the upright position with your right hand.

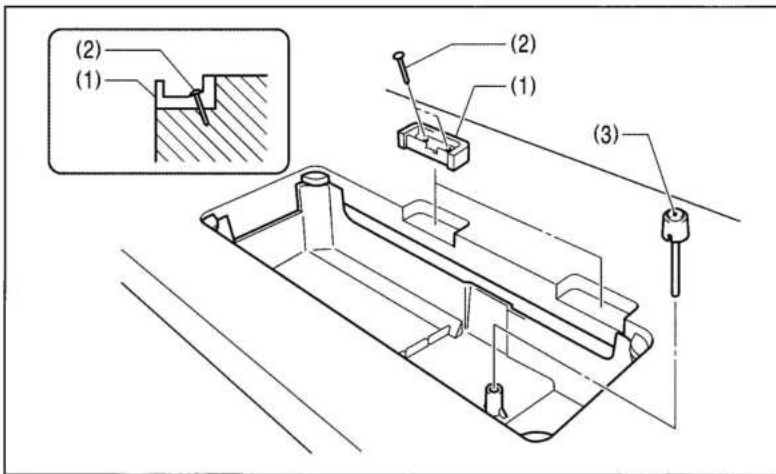


4-1. Installation



1. Oil pan

- (1) Head cushions (left) [2 pcs]
- (2) Head cushions (right) [2 pcs]
- (3) Oil pan
- (4) Oiler

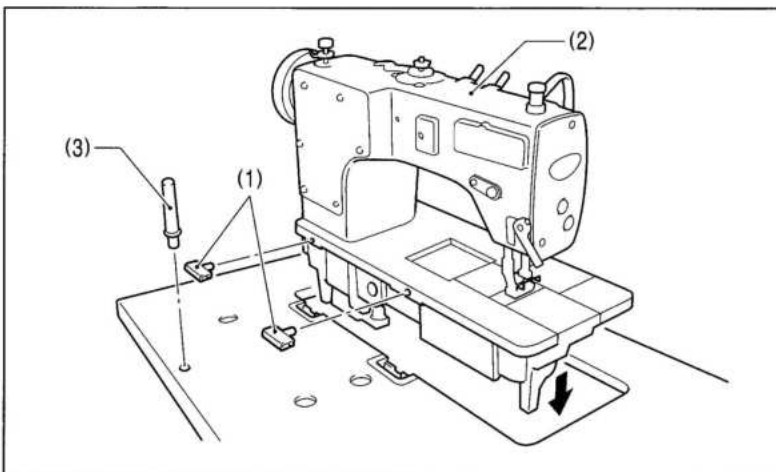


2. Rubber cushions

- (1) Rubber cushions [2 pcs]
- (2) Nails [4 pcs]

3. Knee lifter complying bar

- (3) Knee lifter complying bar

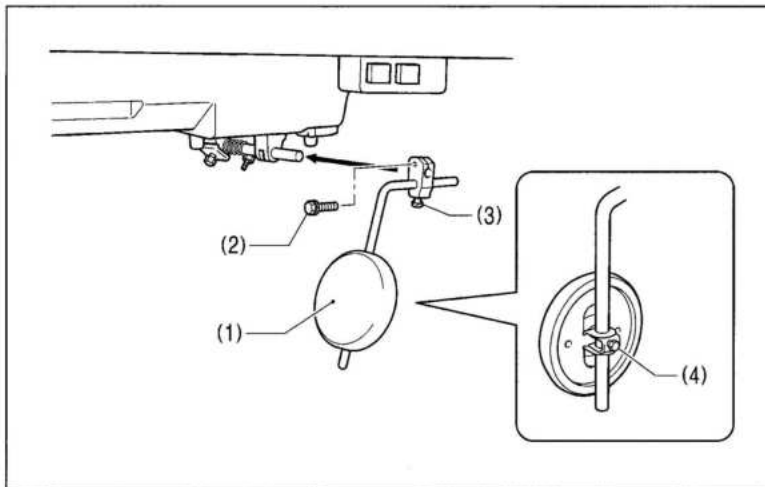


4. Machine head

- (1) Hinges [2 pcs]
- (2) Machine head
- (3) Head rest

NOTE:

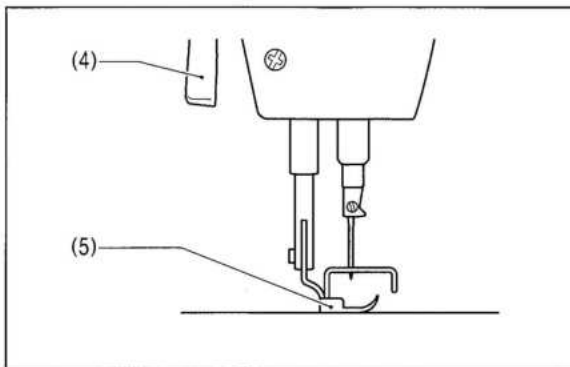
Tap the head rest (3) securely into the table hole. If the head rest (3) is not pushed in as far as it will go, the machine head will not be sufficiently stable when it is tilted back.



5. Knee lifter plate

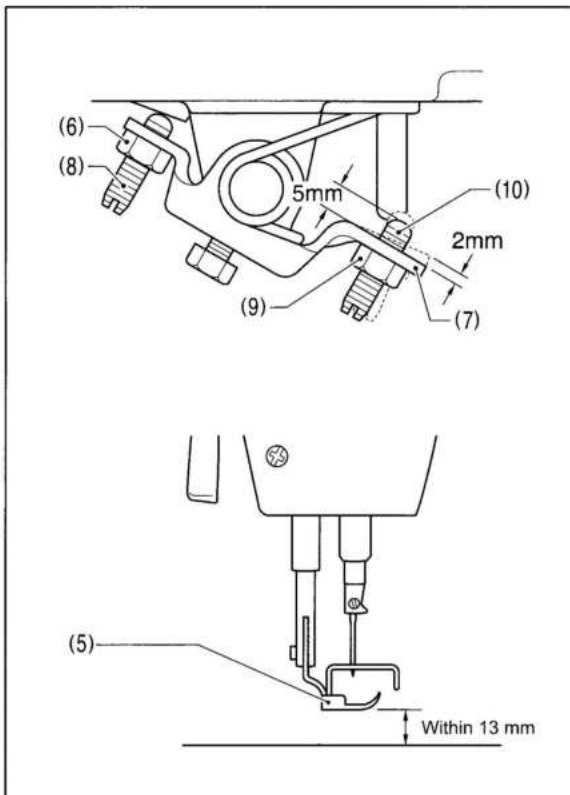
- (1) Knee lifter plate
- (2) Bolt

* Loosen the bolt (3) and the bolt (4), and move the knee lifter plate (1) to a position where it is easy to use.

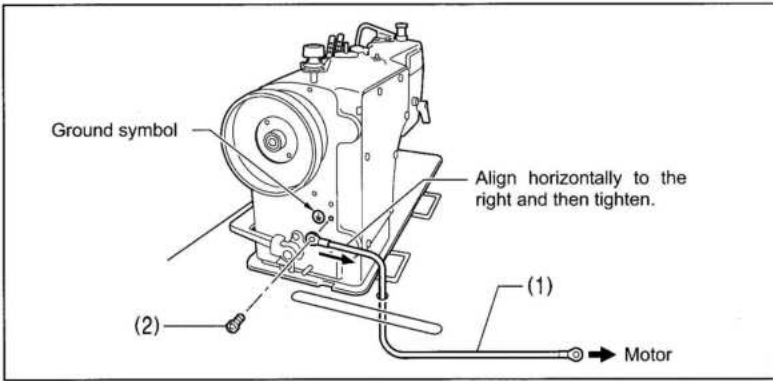


<Knee lifter adjustment>

1. Turn the machine pulley so that the feed dog is below the top of the needle plate.
2. Lower the presser foot (5) by using the lifting lever (4).



3. Loosen the nut (6).
4. Turn the screw (8) to adjust so that the amount of play in the knee lifter (7) is approximately 2 mm when the knee lifter plate (1) is gently pressed.
5. Securely tighten the nut (6).
6. Loosen the nut (9).
7. Turn the screw (10) until the distance between the end of the screw (10) and the knee lifter (7) is approximately 5 mm.
8. Turn the adjusting screw (10) to adjust so that the presser foot (5) is at the desired position within a distance of 13 mm of the needle plate when the knee lifter plate (1) is fully pressed.
9. After adjustment is completed, securely tighten the nut (9).



6. Ground wire

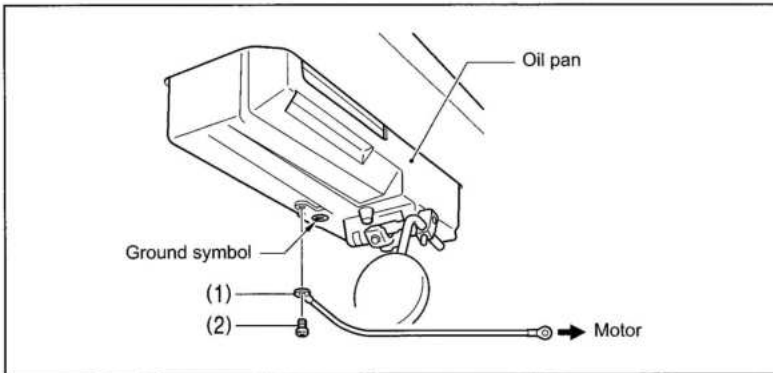
- (1) Ground wire
- (2) Screw

<Semi dry type>

Be sure to connect the accessory ground wire (1) to the motor.

< Minimum lubrication type>

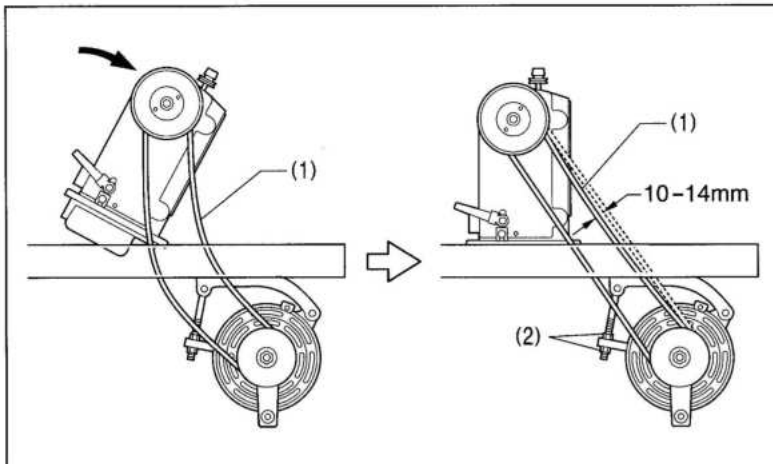
Use a suitable ground wire.



7. Ground wire

Use a suitable ground wire.

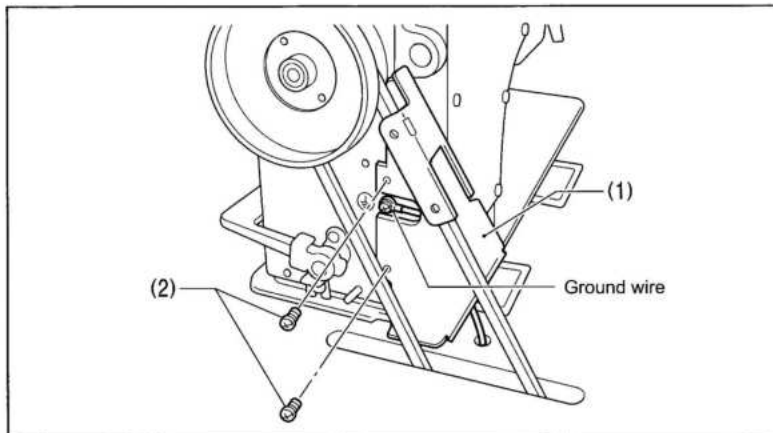
- (1) Ground wire
- (2) Screw



8. V-belt

- (1) V-belt

Turn the two nuts (2) to adjust so that there is 10-14 mm of deflection in the V-belt (1) when it is pressed at the midway point with a force of 5 N.

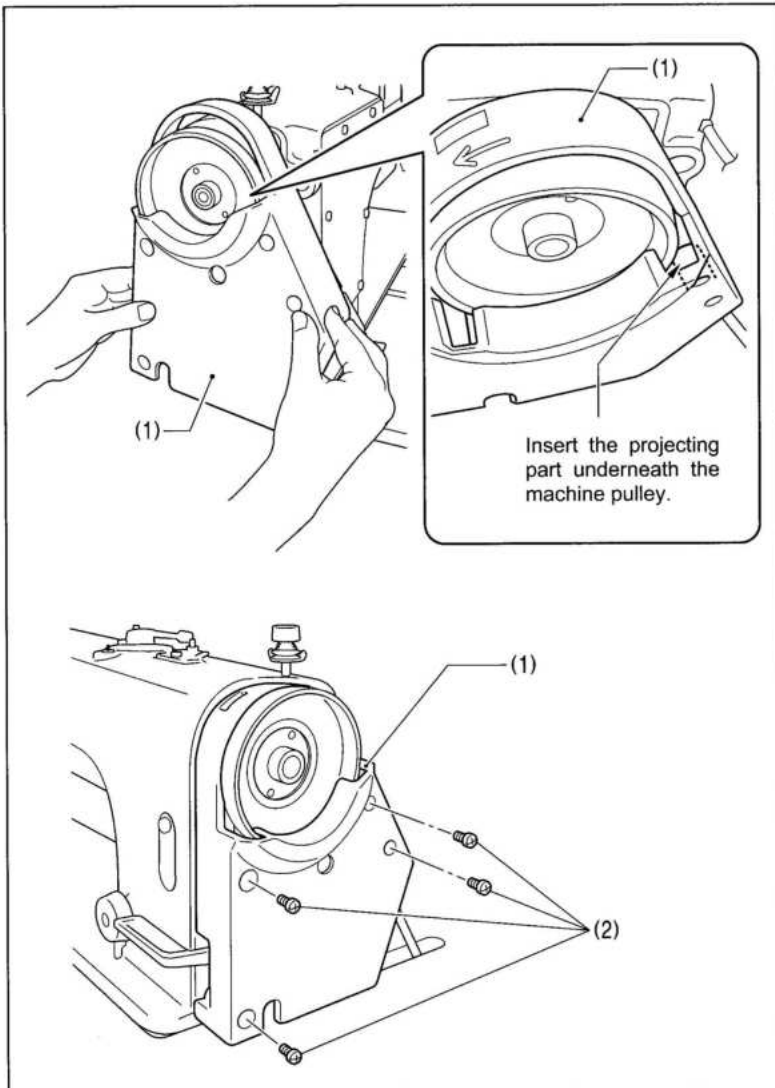


9. Belt cover bracket

- (1) Belt cover bracket
- (2) Screws [2 pcs]

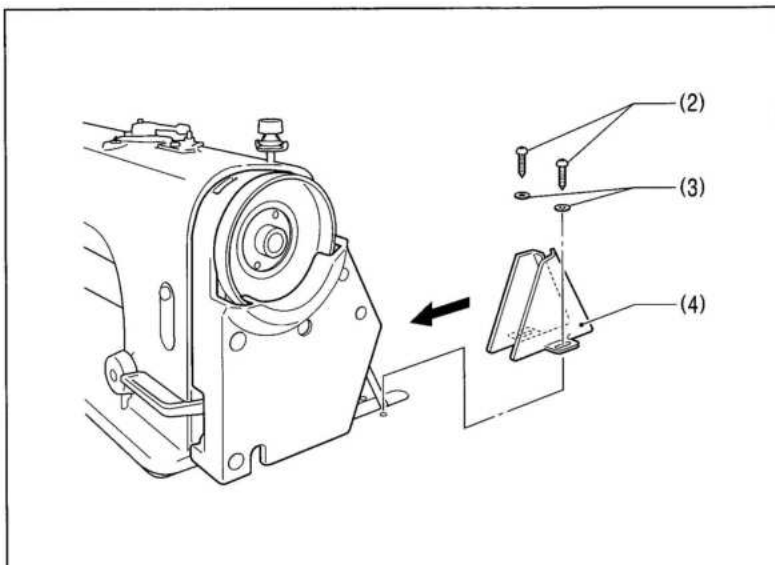
10. Belt cover U

- (1) Belt cover U
- (2) Screws [4 pcs]



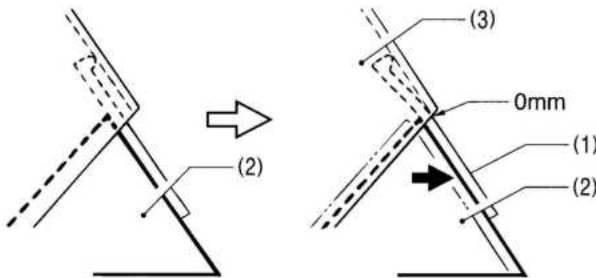
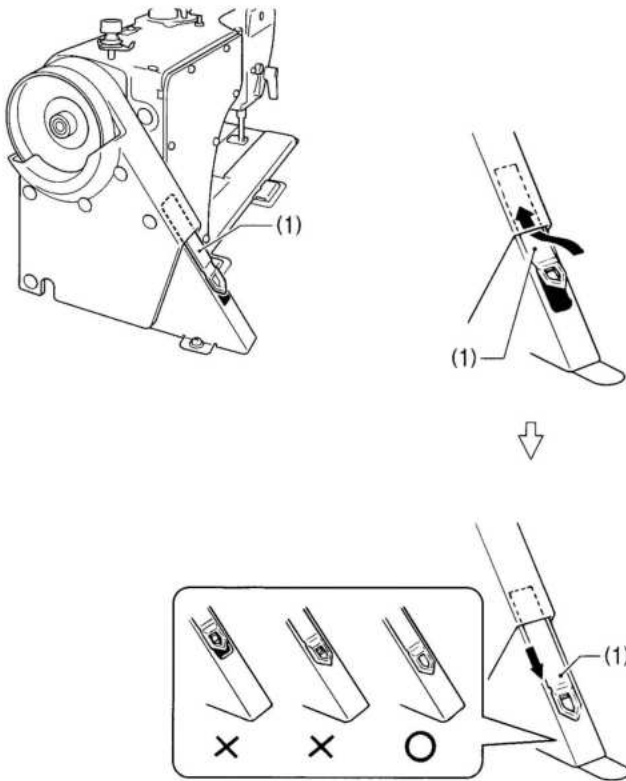
11. Belt cover D

- (1) Belt cover D
- (2) Wood screws [2 pcs]
- (3) Washers [2 pcs]

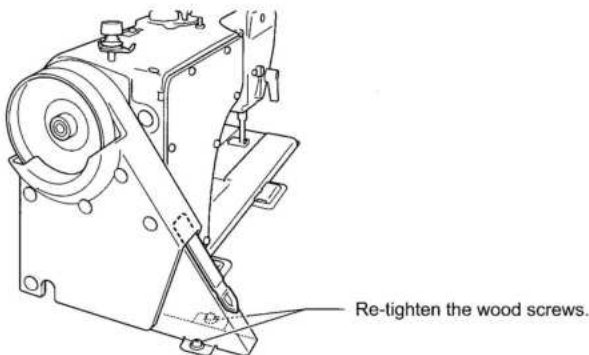


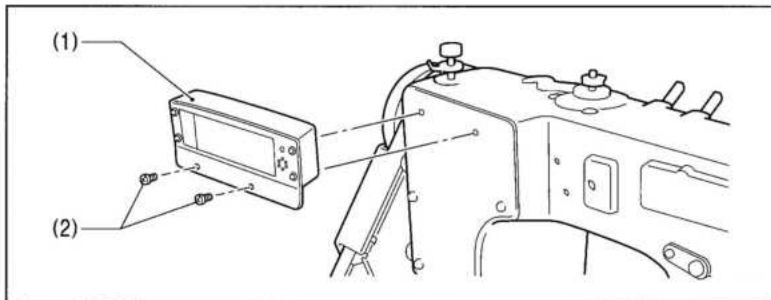
12. Belt cover D lid

(1) Belt cover D lid



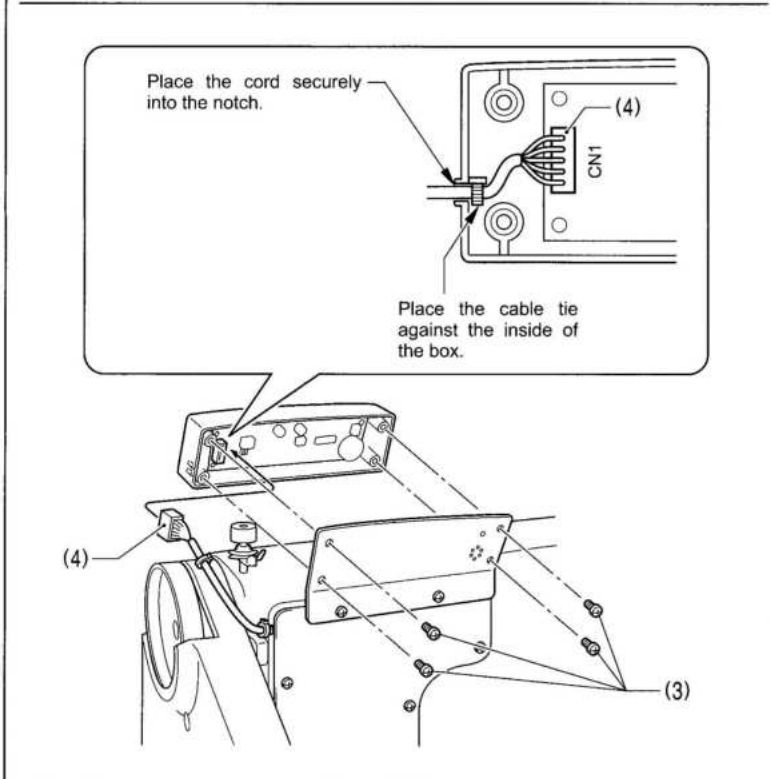
Pull belt cover D (2) forward to adjust so that there is no gap between belt cover U (3) and the belt cover D lid (1).





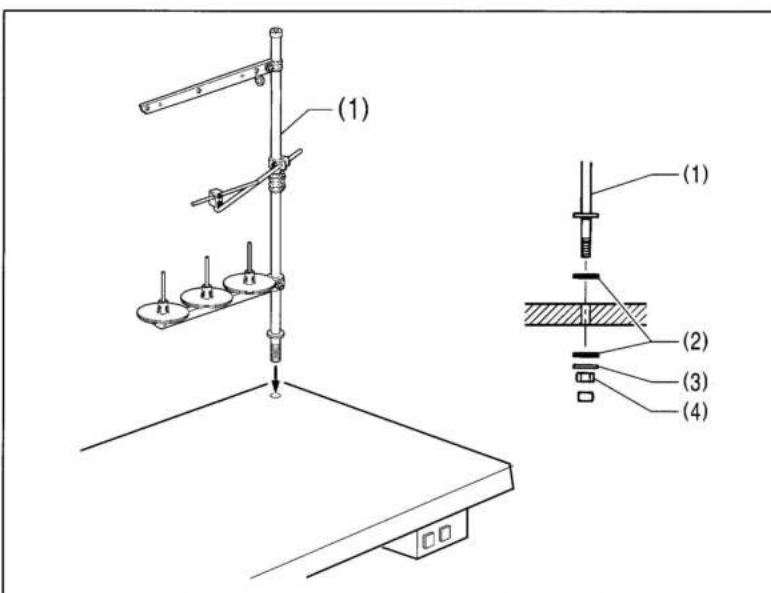
13. Alarm display (semi dry type)

- (1) Alarm display
- (2) Screws [2 pcs]
(Use for tightening rear cover)



- (3) Screws [4 pcs: removed]
- (4) Connector

After connecting the connector (4) to connector <CN1> on the P.C.B. of the alarm display (1), return the alarm display (1) to its original position and then tighten the screws (3).



14. Cotton stand



- (1) Cotton stand

NOTE:

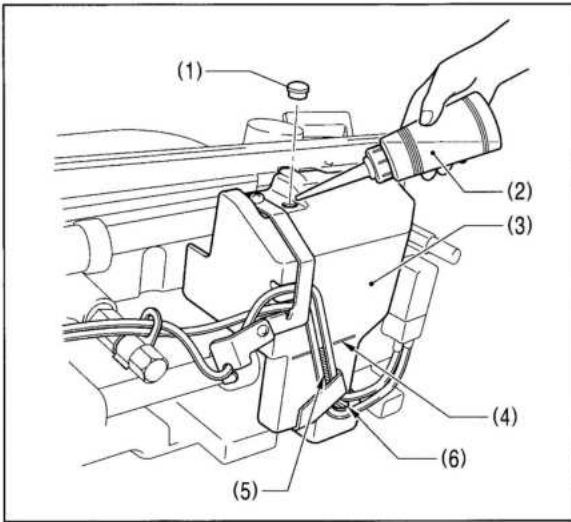
Securely tighten the nut (4) so that the two rubber cushions (2) and the washer (3) are securely clamped and so that the cotton stand (1) does not move.

4-2. Lubrication

CAUTION

-  Do not connect the power cord until lubrication has been completed, otherwise the machine may operate if the treadle is depressed by mistake, which could result in injury.
-  Be sure to wear protective goggles and gloves when handling the lubricating oil and grease, so that they do not get into your eyes or onto your skin, otherwise inflammation can result. Furthermore, do not drink the oil or eat the grease under any circumstances, as they can cause vomiting and diarrhea. Keep the oil out of the reach of children.

- 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.
- Use only the lubricating oil.



<Lubricating via the oil cover>

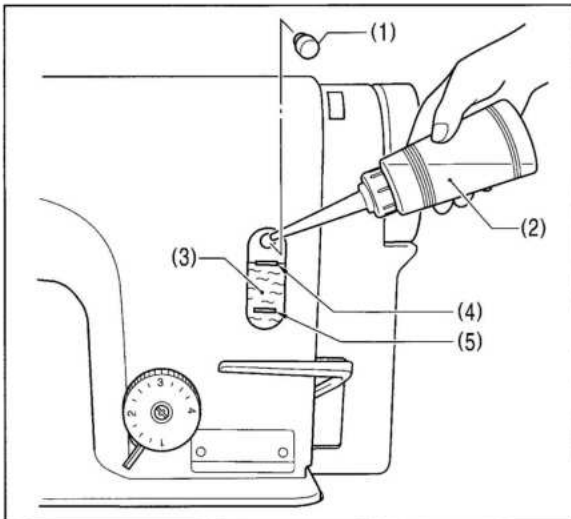
1. Tilt back the machine head.
2. Remove the rubber cap (1).
3. Use the accessory oiler (2) to pour lubricating oil into the oil cover (3) until the oil level reaches the reference line (4).

NOTE:

Do not fill with lubricating oil past the reference line (4). If you pour in too much lubricating oil, it may spill out when the machine head is tilted back.

4. Replace the rubber cap (1).
5. Return the machine head to its original position.

- * If the lubricating oil level drops below the bottom (6) of the oil gauge window (5), be sure to add more oil.



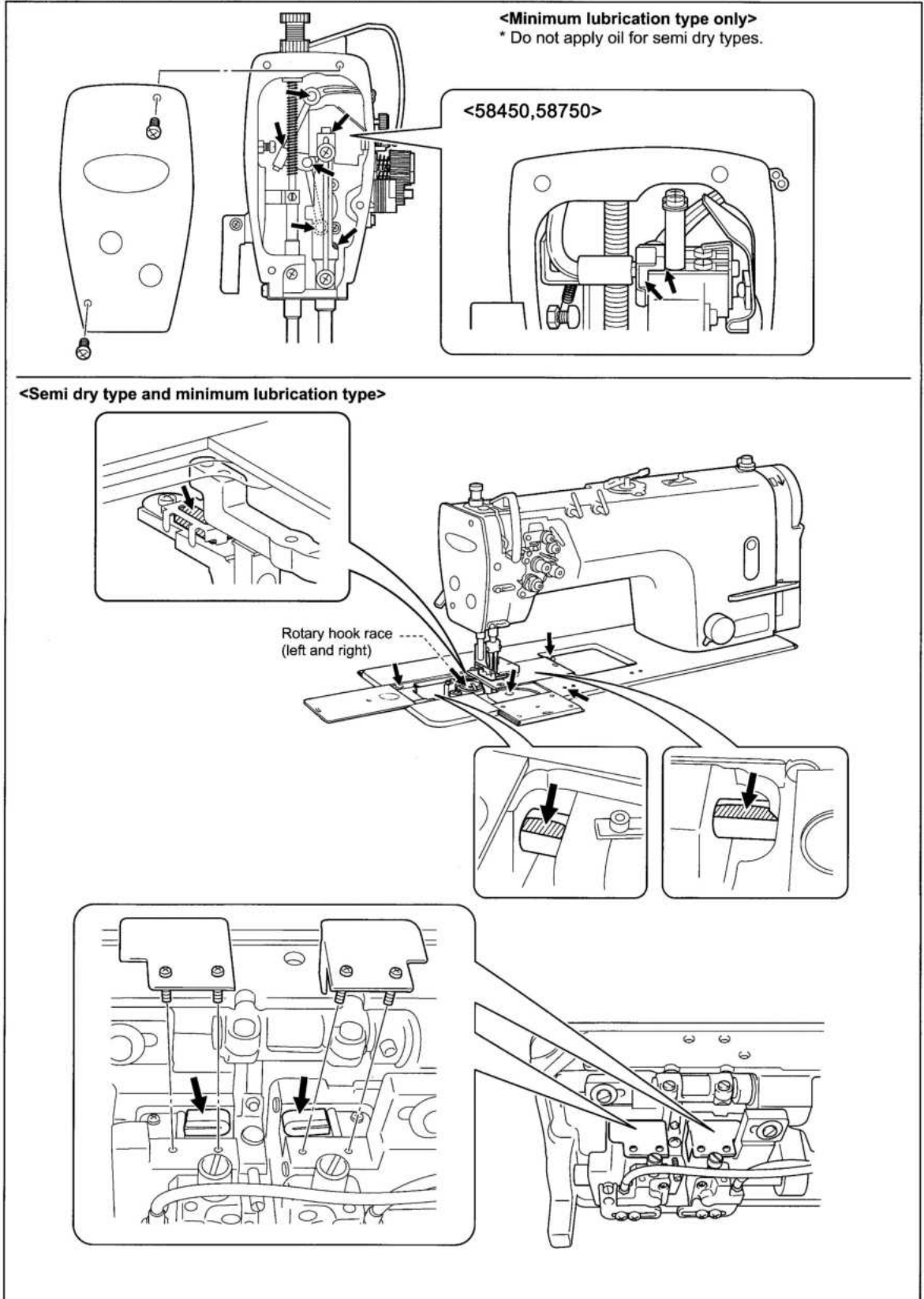
<Lubricating via the oil tank>

1. Remove the rubber cap (1).
2. Use the accessory oiler (2) to pour in lubricating oil until the oil level reaches the top reference line (4) of the oil gauge window (3).
3. Replace the rubber cap (1).

- * If the lubricating oil level drops below the bottom reference line (5), be sure to add more oil.

■ Lubrication

Apply 1 - 2 drops of oil to the places indicated by the arrows.

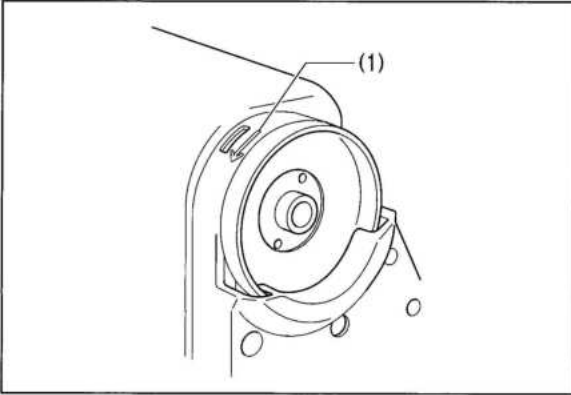


4-3. Checking the machine pulley rotating direction

⚠ CAUTION



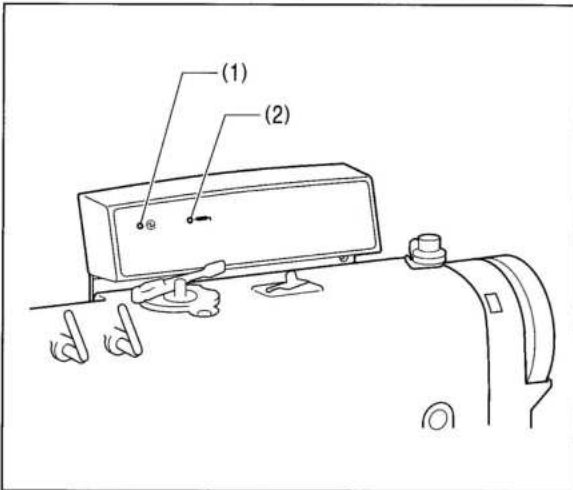
Do not touch any of the moving parts or press any objects against the machine while sewing, as this may result in personal injury or damage to the machine.



1. Insert the power cord plug into the wall outlet, and then turn on the power switch.
2. Depress the treadle slightly and check that the machine pulley starts to turn in the direction of the arrow (1).

* 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.

4-4. Alarm display (Semi dry type)



The alarm display is a device that shows the time until the next greasing is required.

(1) POWER indicator (green)

The POWER indicator (1) only illuminates while the sewing machine is operating. It does not illuminate while the sewing machine is stopped.

(The alarm display makes a total of the time that the POWER indicator (1) is lit.)

NOTE:

The POWER indicator (1) may not illuminate at times such as if the sewing machine is operating at a slow speed, or when operation starts again after having been stopped for several minutes, but this is normal and is not the sign of a malfunction.

(2) GREASE indicator (red)

If the GREASE indicator (2) illuminates and the buzzer sounds each time the treadle is depressed, it is time to apply grease.

(See P. 30.)

5. PREPARATION BEFORE SEWING

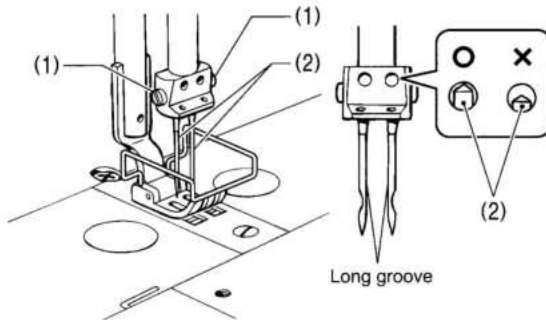
5-1. Installing the needle

⚠ CAUTION



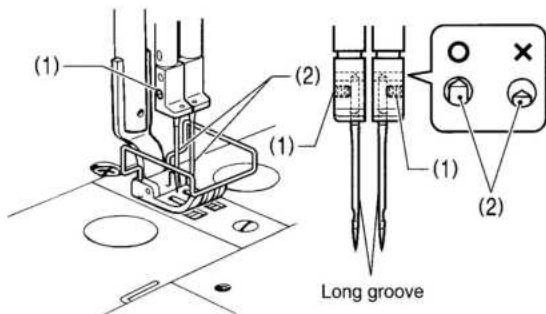
Turn off the power switch before installing the needle. The motor will keep turning even after the power is switched off as a result of the motor's inertia. Wait until the motor stops fully before starting work.
The machine may operate if the treadle is depressed by mistake, which could result in injury.

<58420,58720>



1. Turn the machine pulley to move the needle bar to its highest position.
2. Loosen the screws (1).
3. Insert the needle (2) straight in as far as it will go so that the long groove is facing inward, and then securely tighten the screws (1).

<58450,58750>

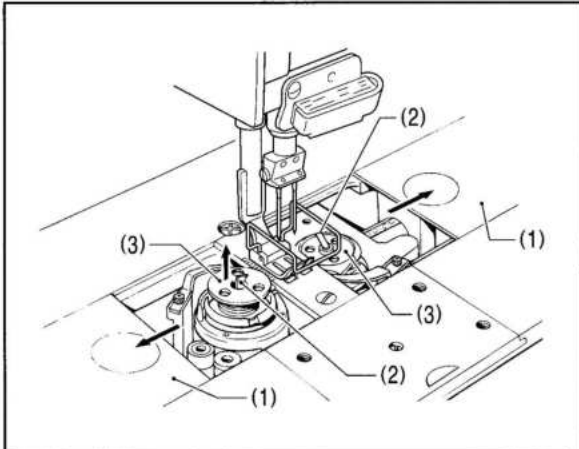


5-2. Removing the bobbin

CAUTION

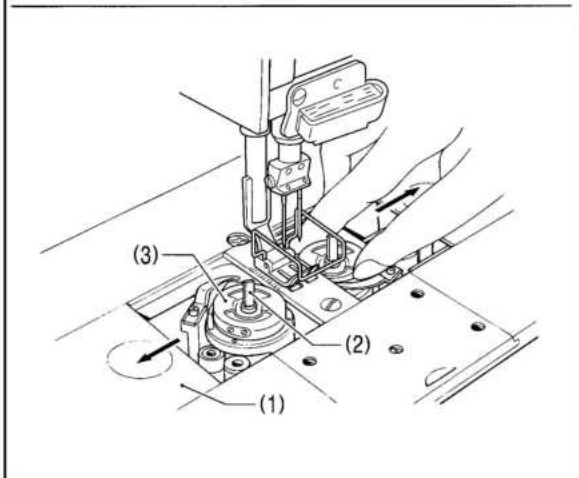


Turn off the power switch before removing the bobbin. The motor will keep turning even after the power is switched off as a result of the motor's inertia. Wait until the motor stops fully before starting work.
The machine may operate if the treadle is depressed by mistake, which could result in injury.



<Latch type>

1. Open the slide plates (1) by moving them to the right and left.
2. Pull the rotary hook latches (2) upward, and then remove the bobbins (3).



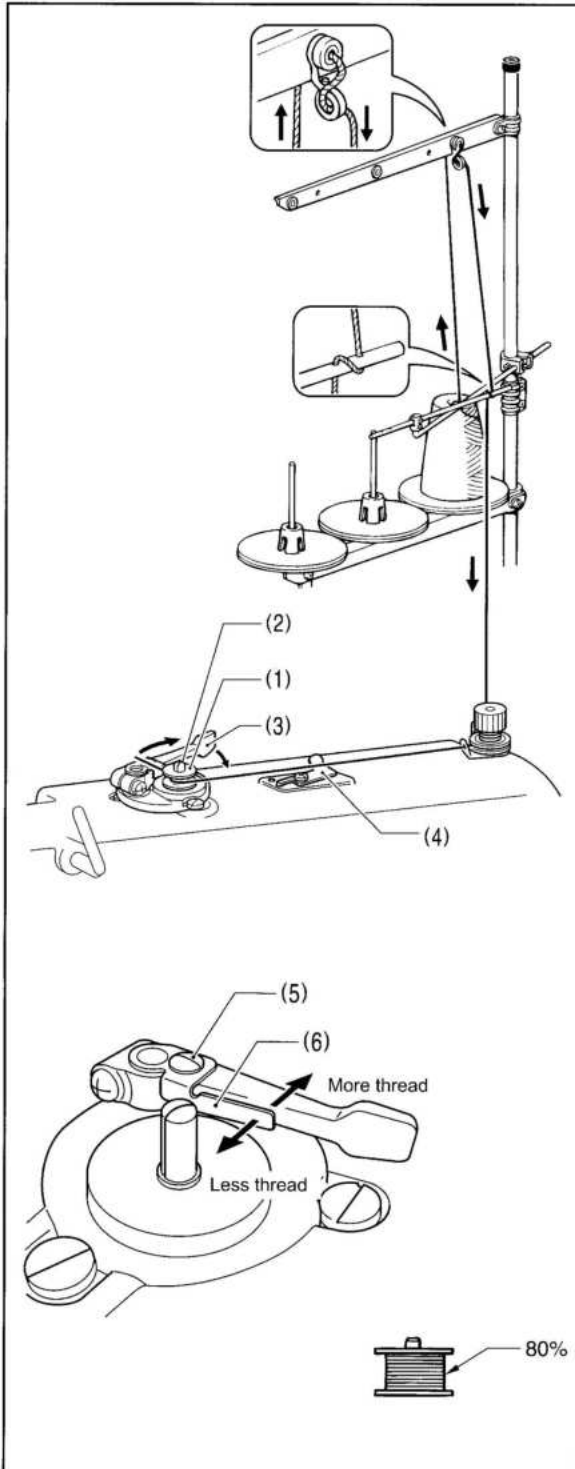
<Bobbin case type>

1. Open the slide plates (1) by moving them to the right and left.
2. Lift up the latch (2) of the rotary hook, and then remove the bobbin case (3).
3. Remove the bobbin.

5-3. Winding the lower thread

! CAUTION

Do not touch any of the moving parts or press any objects against the machine while winding the lower thread, as this may result in personal injury or damage to the machine.



1. Turn on the power switch.
2. Place the bobbin (1) onto the bobbin winder shaft (2).
3. Wind the thread several times around the bobbin (1) in the direction indicated by the arrow.
 - * Check that the thread is not loose anywhere along the thread path.
4. Push the bobbin presser arm (3) toward the bobbin(1).
5. Raise the presser foot with the lifting lever.
6. Depress the treadle. Lower thread winding will then start.
7. Once winding of the lower thread is completed, the bobbin presser arm (3) will return automatically.
8. After the thread has been wound on, remove the bobbin and cut the thread with the knife (4).

- * Loosen the screw (5) and move the bobbin presser (6) to adjust the amount of thread wound onto the bobbin.

NOTE:

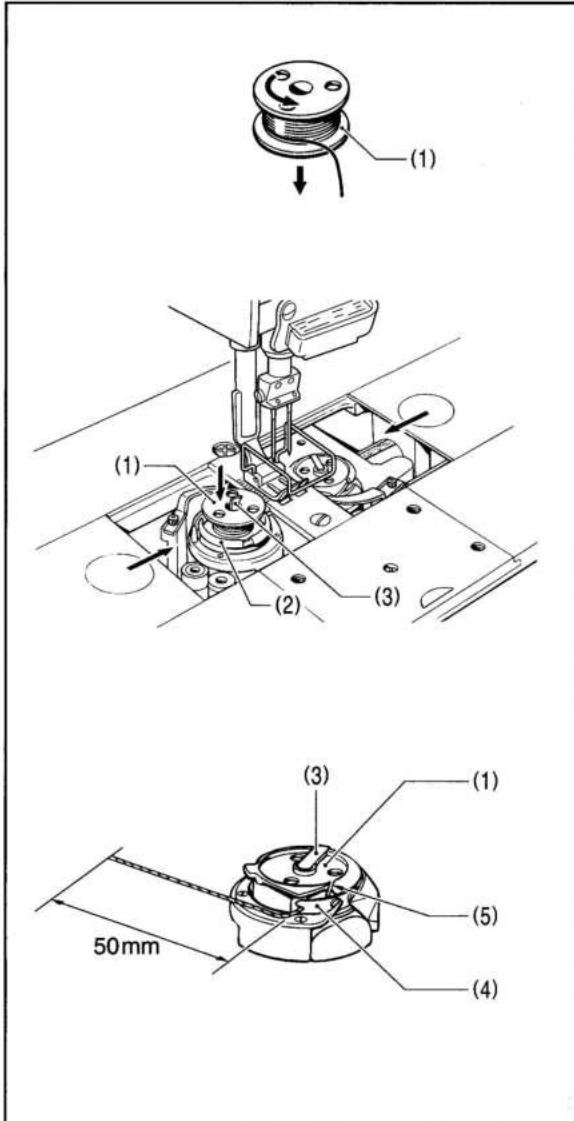
The amount of thread wound onto the bobbin should be a maximum of 80 % of the bobbin capacity.

5-4. Installing the bobbin

⚠ CAUTION

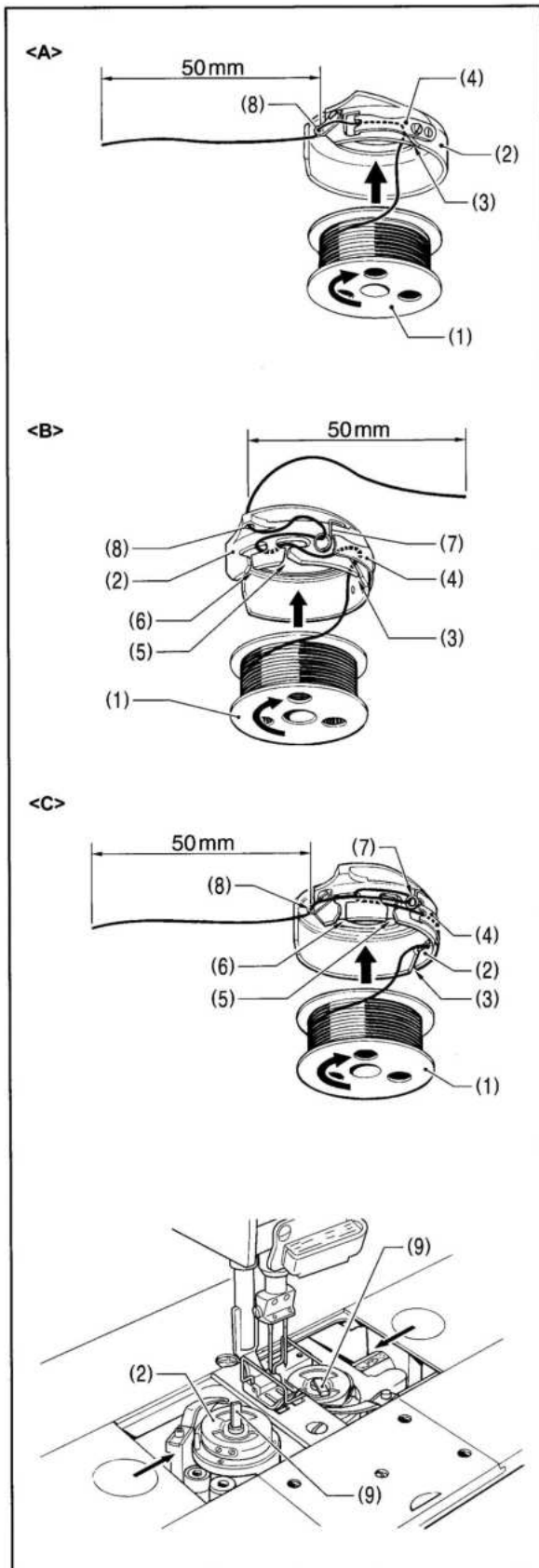


Turn off the power switch before installing the bobbin. The motor will keep turning even after the power is switched off as a result of the motor's inertia. Wait until the motor stops fully before starting work.
The machine may operate if the treadle is depressed by mistake, which could result in injury.



<Latch type>

1. Insert the bobbin (1) into the rotary hook (2) so that the winding direction is as shown in the illustration.
2. Return the rotary hook latch (3) to its original position.
3. Turn the machine pulley to rotate the rotary hook (2) until the tension spring (4) is visible.
4. Pass the thread through slit (5) in the rotary hook and then pass it under the thread tension spring.
5. Pull out the thread to a length of approximately 50 mm.
6. Close the slide plates.

**<Bobbin case type>**

1. Insert the bobbin (1) into the bobbin case (2) so that the winding direction is as shown in the illustration.
2. There are three types of cap (2) (<A>, and <C>). Thread the thread by one of the following methods in accordance with the shape of the bobbin case (2) being used.

<A>

- 1) Pass the thread through slot (3) and under the thread tension spring (4).
- 2) Pass the thread through the thread hole (8) and pull out about 50 mm.

** <C>**

- 1) Pass the thread through slot (3) and under the thread tension spring (4).
- 2) Pass the thread through slots (5) and (6), and then through the spring (7).
- 3) Pass the thread through the thread hole (8) and pull out about 50 mm.

3. Insert the bobbin case (2) into the rotary hook.
4. Push latch (9) of the rotary hook flat.
5. Close the slide plates.

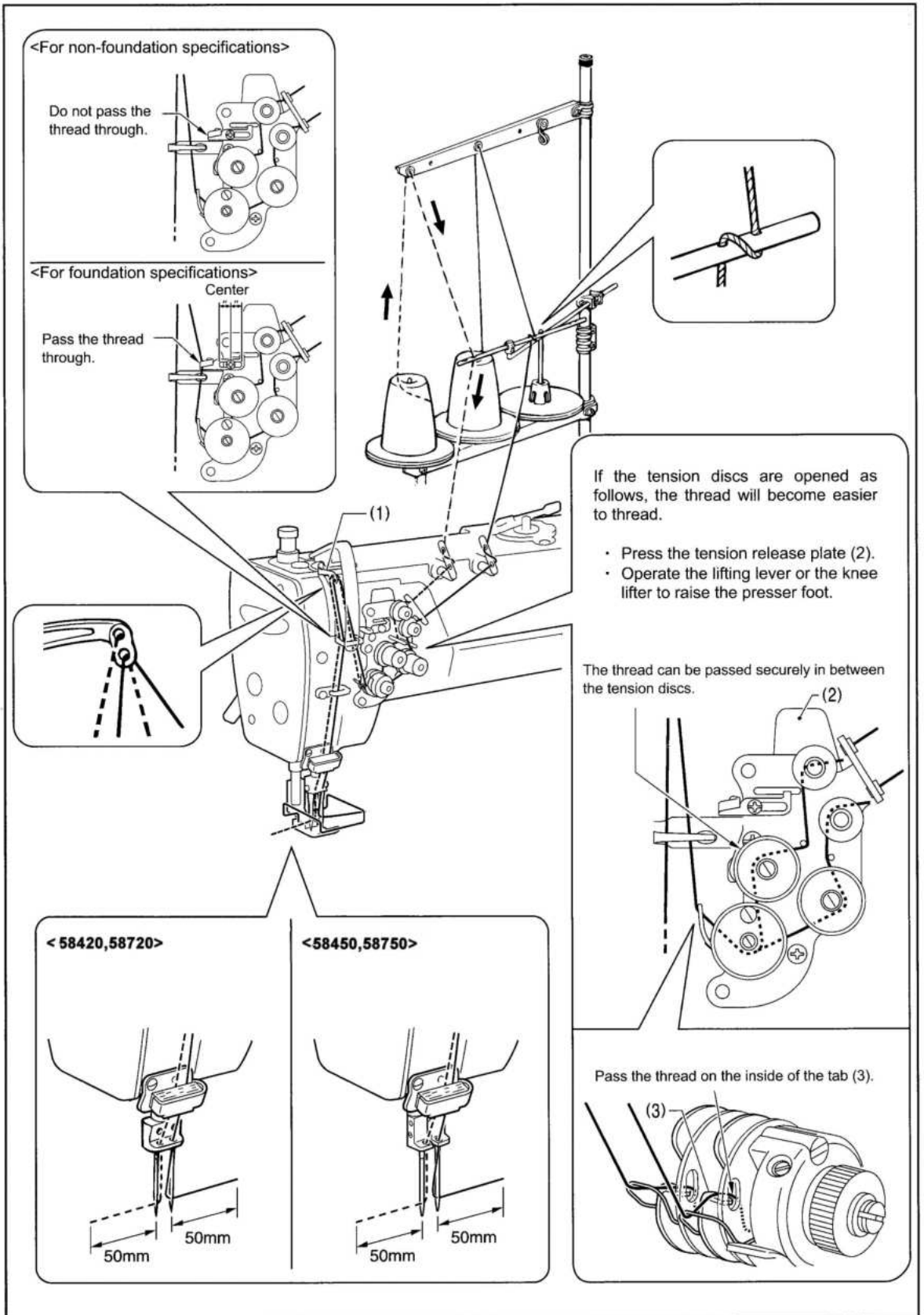
5-5. Threading the upper thread

CAUTION

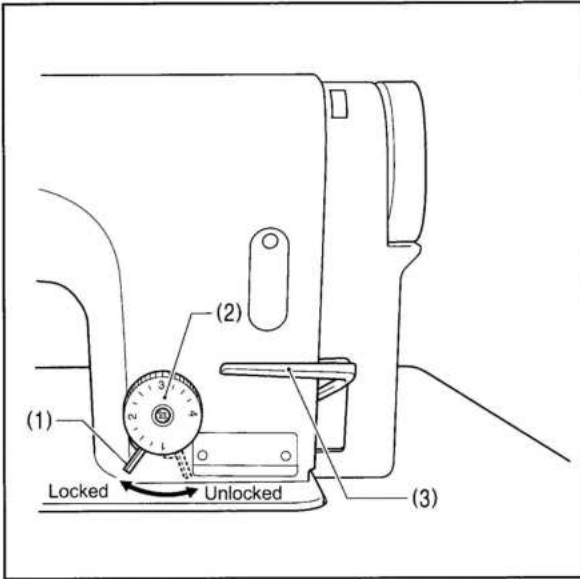


Turn off the power switch before threading the upper thread. The motor will keep turning even after the power is switched off as a result of the motor's inertia. Wait until the motor stops fully before starting work.
The machine may operate if the treadle is depressed by mistake, which could result in injury.

- Turn the machine pulley and raise the thread take-up (1) before threading the upper thread. This will make threading easier and it will prevent the thread from coming out at the sewing start.
- Thread the left-side thread first.

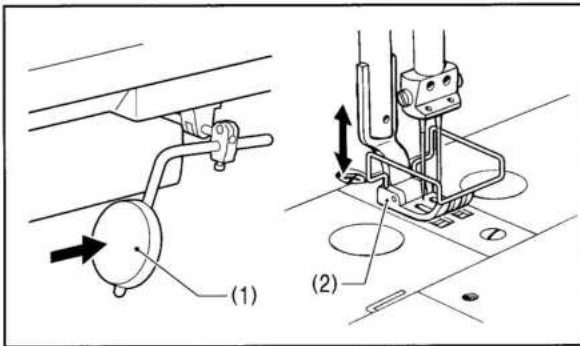


5-6. Adjusting the stitch length



1. Unlock the stitch length dial (2) by turning the dial lock lever (1) to the right until a click is heard.
 2. Turn the stitch length dial (2) clockwise or counterclockwise so that the desired stitch length is at the uppermost position on the dial.
 - The larger the number, the longer the stitch length will be. (The numbers on the dial are for use as a guide. The length of the finished stitches may vary depending on the type and thickness of material being sewn. Adjust while looking at the finished stitches.)
 - When turning the stitch length dial (2) from a larger setting to a smaller setting, it will be easier to turn the dial if the reverse lever (3) is pushed to the halfwaydown position.
 3. Turn the dial lock lever (1) firmly to the left to lock the stitch length dial (2).
- * Check that the stitch length dial (2) does not rotate.

5-7. Using the knee lifter



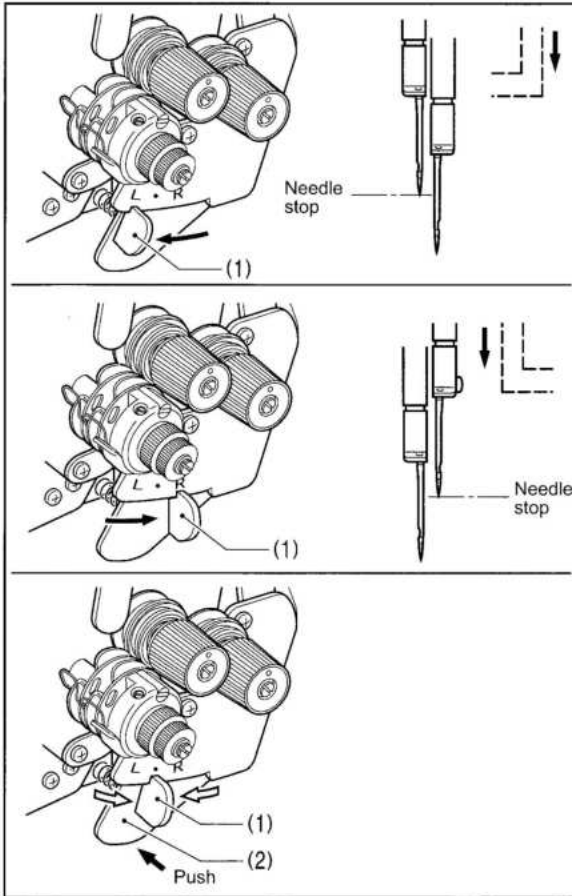
The presser foot (2) can be raised by pressing the knee lifter plate (1).

5-8. Corner sewing method (58450,58750)

NOTE:

If using this machine in place of a single-needle machine, remove the needle which is not being used. In such cases, do not use the procedures given below to stop the unused needle bar from moving, otherwise damage to the machine may result.

5-8-1. To stop the needle bars (right and left)



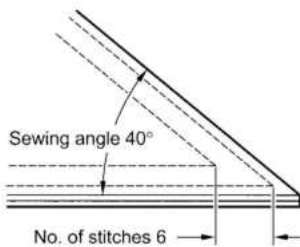
- Operate the stop lever after the needle has penetrated the material and has stopped moving.
- Do not sew at speeds of over 1,000 rpm while one of the needle bars has been stopped.

<To stop operation of the left needle bar>
Move the stop lever (1) to the "L" position.

<To stop operation of the right needle bar>
Move the stop lever (1) to the "R" position.

<To resume twin-needle sewing>
Press the push lever (2).
The stop lever (1) will then return to its original position automatically.

5-8-2. Number of stitches: quick-reference guide



Sewing angle No. of Stitches	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
2					4.6	3.8	3.2	2.7	2.2	1.8	1.5	1.1
3			4.6	3.5	3.0	2.5	2.1	1.8	1.5	1.2		
4		4.4	3.4	2.8	2.3	1.9	1.6	1.3				
5	4.8	3.5	2.7	2.2	1.8	1.5	1.3					
6	4.0	2.9	2.3	1.9	1.5	1.3						
7	3.7	2.5	2.0	1.6								
8	3.0	2.2	1.7									

<For 1/4" needle width>

Determine the stitch length from the chart above to make beautiful corner stitching.
The number of stitches of the outer needle varies according to the combination of sewing angle and stitch length.

[Example]

For a sewing angle of 40° and a stitch length of 2.9 mm, the number of stitches becomes 6.

6. SEWING

⚠ CAUTION



Attach all safety devices before using the sewing machine. If the machine is used without these devices attached, injury may result.



Turn off the power switch at the following times. 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 depressed by mistake, which could result in injury.

- When threading the needle
- When replacing the bobbin and needle
- When not using the machine and when leaving the machine unattended

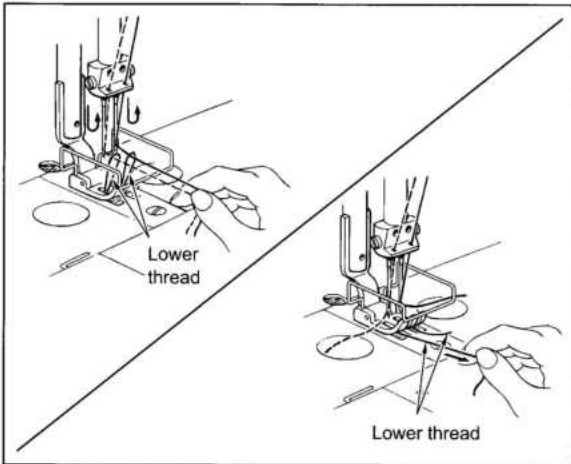


Do not touch any of the moving parts or press any objects against the machine while sewing, as this may result in personal injury or damage to the machine.



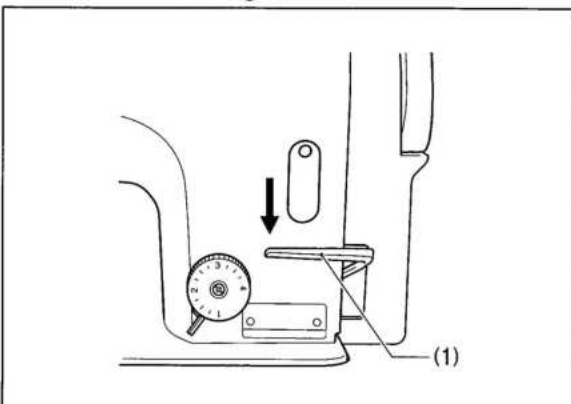
Use both hands to hold the machine head when tilting it back or returning it to its original position. If only one hand is used, the weight of the machine head may cause your hand to slip, and your hand may get caught.

6-1. Sewing



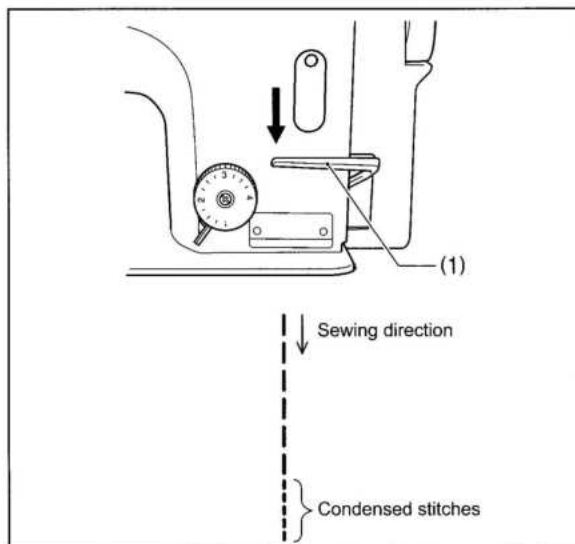
1. While holding the two upper threads with your fingers, turn the machine pulley by hand toward you until the lower threads come out onto the feed dog.
2. Pull the lower threads toward you and check that they pull out smoothly.
3. Turn on the power switch.
4. Depress the treadle to start sewing.

6-2. Backtacking

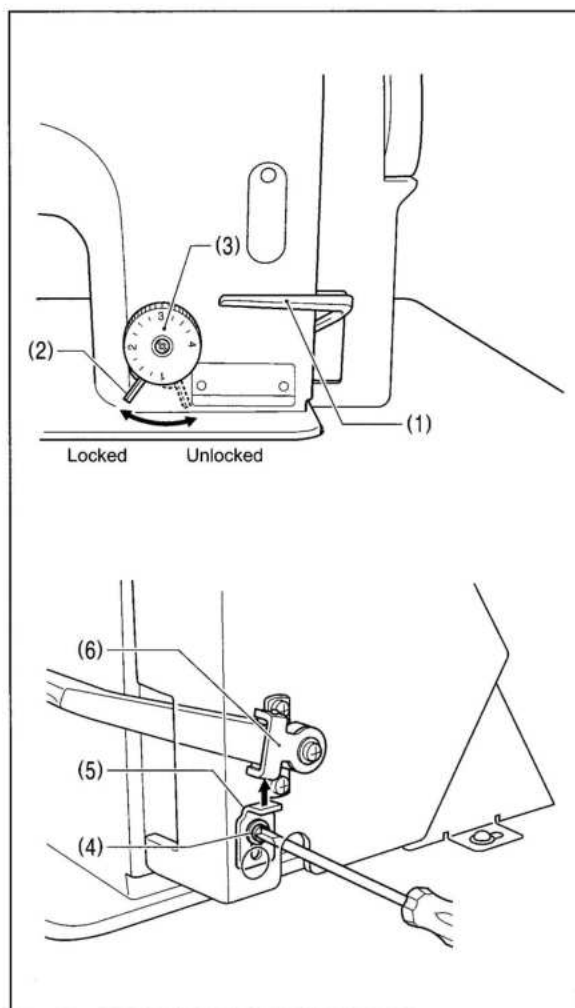


When the reverse lever (1) is pressed during sewing, the feed direction will be reversed. When it is released, the feed direction will return to normal.

6-3. Sewing condensed stitches



- If you press the reverse lever (1) while sewing is in progress, you can sew stitches (forward direction) with small stitch lengths.
- Before carrying out sewing, set the stitch length for condensed stitches as follows.



<Setting>

1. Unlock the stitch length dial (3) by turning the dial lock lever (2) to the right.
2. Turn the stitch length dial (3) to the stitch length to be used for condensed stitches.
3. Loosen the screw (4) and lift up the stopper (5) until it touches the reverse stitching lever plate (6).
4. Tighten the screw (4) to secure the stopper (5).

<Sewing>

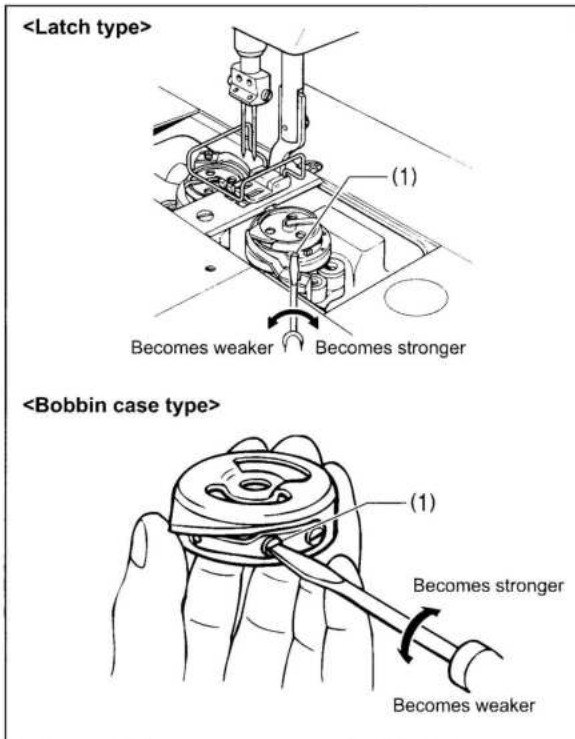
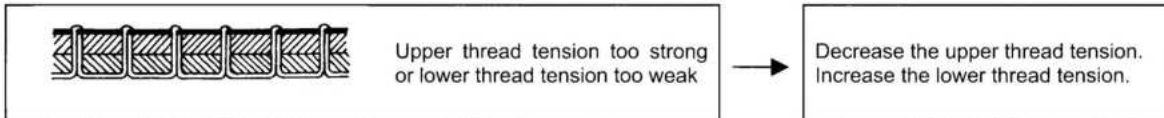
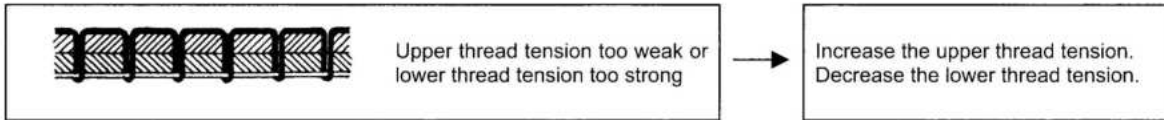
1. Return the stitch length dial (3) to the stitch length for normal sewing.
2. Turn the dial lock lever (2) firmly to the left to lock the stitch length dial (3).
3. Start sewing.
4. At the position where you would like to start sewing condensed stitches, press the reverse lever (1). (Condensed stitches are sewn while the reverse lever (1) is being pressed.)

- * To stop sewing condensed stitches and return to using the backtack function, lower the stopper (5) so that it does not touch the reverse stitching lever plate (6).

7. THREAD TENSION

7-1. Adjusting the thread tension

Good even stitches

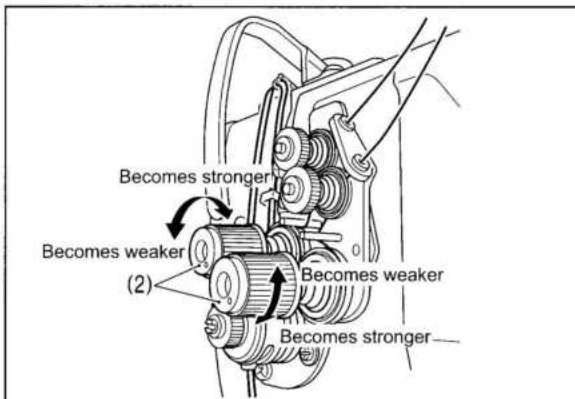


<Lower thread tension>

CAUTION

Turn off the power switch before adjusting the lower thread tension. 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 depressed by mistake, which could result in injury.

Turn the adjusting screw (1) to adjust.

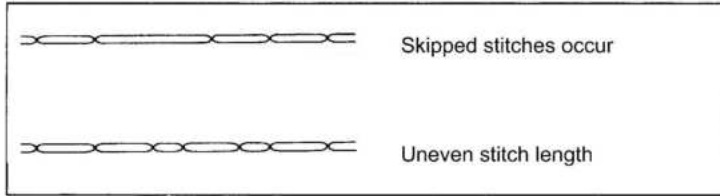


After the lower thread tension has been adjusted, adjust the upper thread tension so that a good, even stitch is obtained.

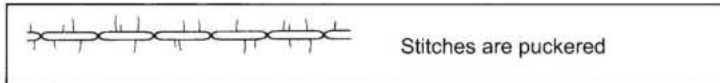
1. Lower the presser foot.
2. Adjust by turning the tension nut (2).

7-2. Adjusting the presser foot pressure

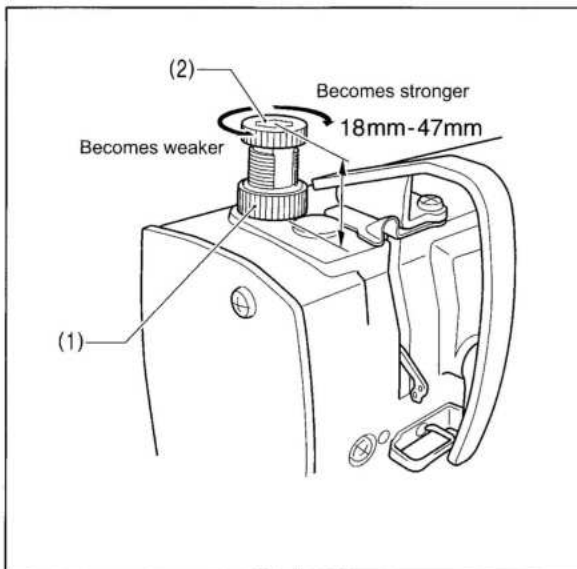
Correct stitches



→ Increase the pressure.



→ Decrease the pressure.



The presser foot pressure should be as weak as possible, but strong enough so that the material does not slip. (Refer to "Adjusting screw height" in the table below as a guide to adjustment.)

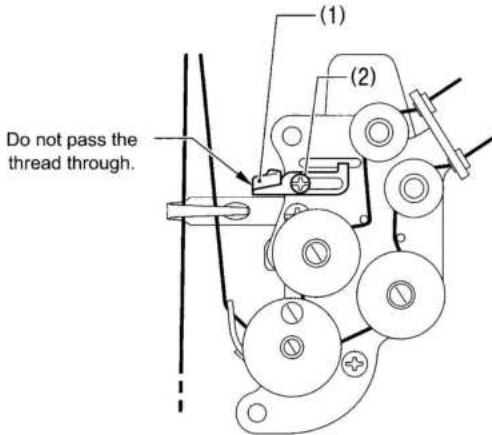
1. Loosen the adjusting nut (1).
2. Turn the presser adjusting screw (2) to adjust the presser foot pressure.
3. Tighten the adjusting nut (1).

Reference values

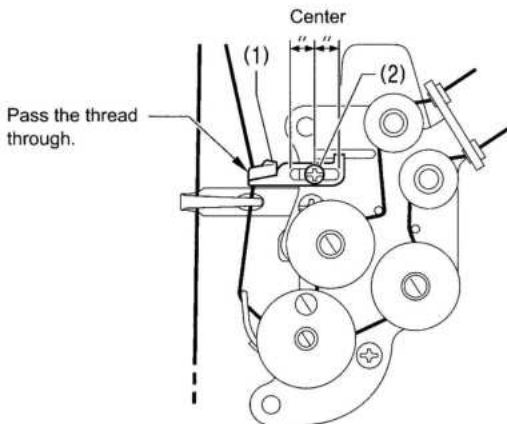
Use	Adjusting screw height
For foundation	Approx. 34mm
For light-weight and medium-weight materials	Approx. 34mm
For heavy-weight materials	Approx. 29mm

7-3. Adjusting the thread take-up amount

<For non-foundation specifications>



<For foundation specifications>



The thread take-up amount is adjusted by how the thread is passed through the thread amount adjuster (1).

<Using the standard thread amount adjuster (1)>

For non-foundation specifications

Do not pass the thread through the thread amount adjuster (1). Loosen the screw (2) and slide the thread amount adjuster (1) to the right-side position.

For foundation specifications

Pass the thread through the thread amount adjuster (1). The standard position of the thread amount adjuster (1) is when the screw (2) is in the center of the adjustment range.

<Adjusting the thread take-up amount>

When the thread has been passed through the thread amount adjuster (1), the thread take-up amount becomes less when the thread amount adjuster (1) is moved to the right.

It is better not to pass the thread through the thread amount adjuster (1):




- When sewing heavy materials using a sewing machine with foundation specifications
- When the thread take-up amount is not enough, such as when the stitch length is increased

It is better to pass the thread through the thread amount adjuster (1):

- When sewing with slippery threads such as synthetic yarns
- When sewing light materials
- When sewing with a stitch length of 2 mm or less
- When sewing under any of the above three conditions and you would like to prevent skipped stitches, thread tightening problems such as looping, or thread breakages

8. CLEANING

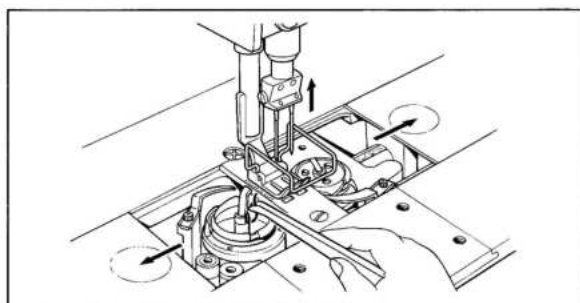
⚠ CAUTION

- 
 Turn off the power switch before carrying 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 depressed by mistake, which could result in injury.
- 
 Be sure to wear protective goggles and gloves when handling the lubricating oil and grease, so that they do not get into your eyes or onto your skin, otherwise inflammation can result. Furthermore, do not drink the oil or eat the grease under any circumstances, as they can cause vomiting and diarrhea. Keep the oil out of the reach of children.
- 
 Use both hands to hold the machine head when tilting it back or returning it to its original position. If only one hand is used, the weight of the machine head may cause your hand to slip, and your hand may get caught.

8-1. Daily cleaning procedures

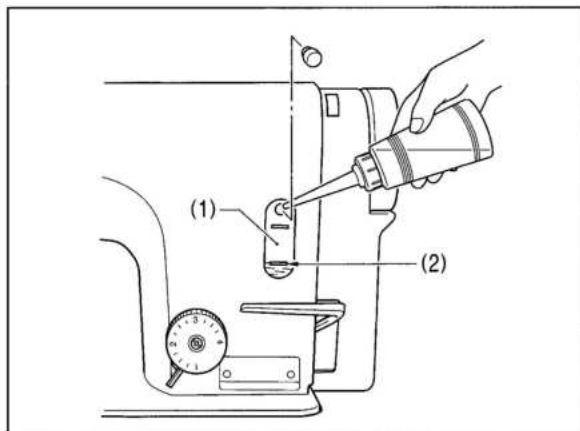
The following cleaning operations should be carried out each day in order to maintain the performance of this machine and to ensure a long service life.

Furthermore, if the sewing machine has not been used for a long period of time, carry out the following cleaning procedures before using it again.



<Cleaning>

1. Turn the machine pulley to move the needle to the needle up stop position.
2. Open the slide plates at the left and right.
3. Remove the bobbin.
4. Clean the thread scraps from the rotary hook.
5. Install the bobbin (and the bobbin case).

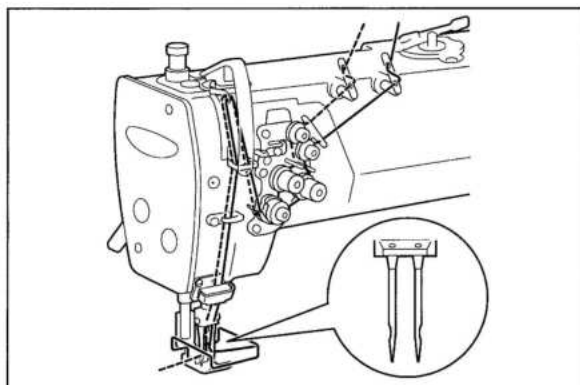


<Filling the oil tank>

Use only the lubricating oil (Nisseki Mitsubishi Sewing Lube 10N; VG10).

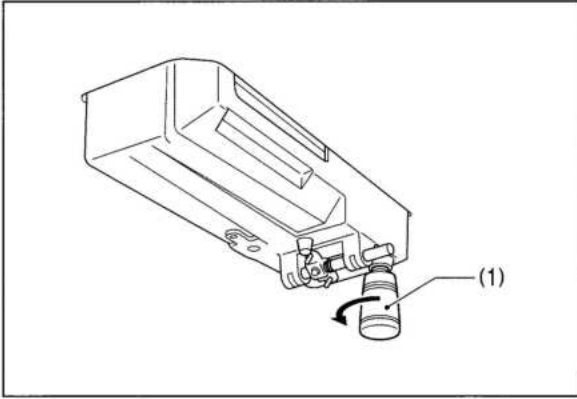
* If this type of lubricating oil is difficult to obtain, the recommended oil to use is <Exxon Mobil Essotex SM10; VG10>.

1. If the lubricating oil level drops below the bottom reference line (2) of the oil gauge window (1), be sure to add more oil. (Refer to p.11.)



<Checking>

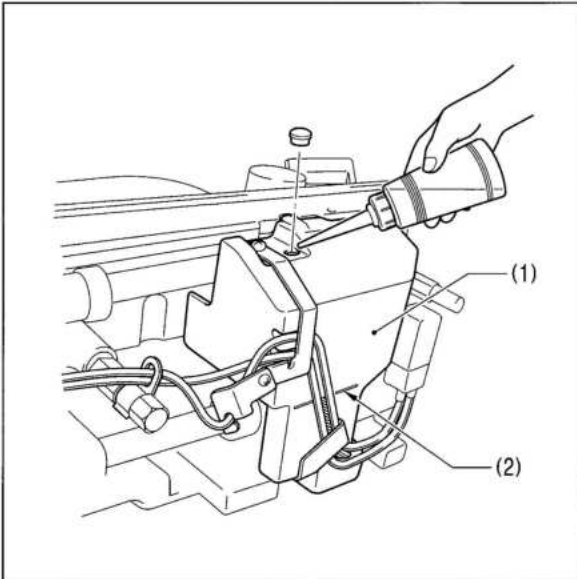
1. Replace the needle if it is bent or if the tip is broken.
2. Check that the upper threads have been threaded correctly. (Refer to page 19.)
3. Carry out a test sewing.



<Draining lubricating oil>

1. If the oiler (1) has filled with oil, unscrew the oiler (1) and dispose of the oil inside it.
2. Screw the oiler (1) back into the oil pan.

8-2. Lubricating via the oil cover (every 6 months)



<Minimum lubrication type>

Pour lubricating oil into the oil cover (1) about once every six months.

<Semi dry type>

Pour lubricating oil into the oil cover (1) about as often as grease is applied.

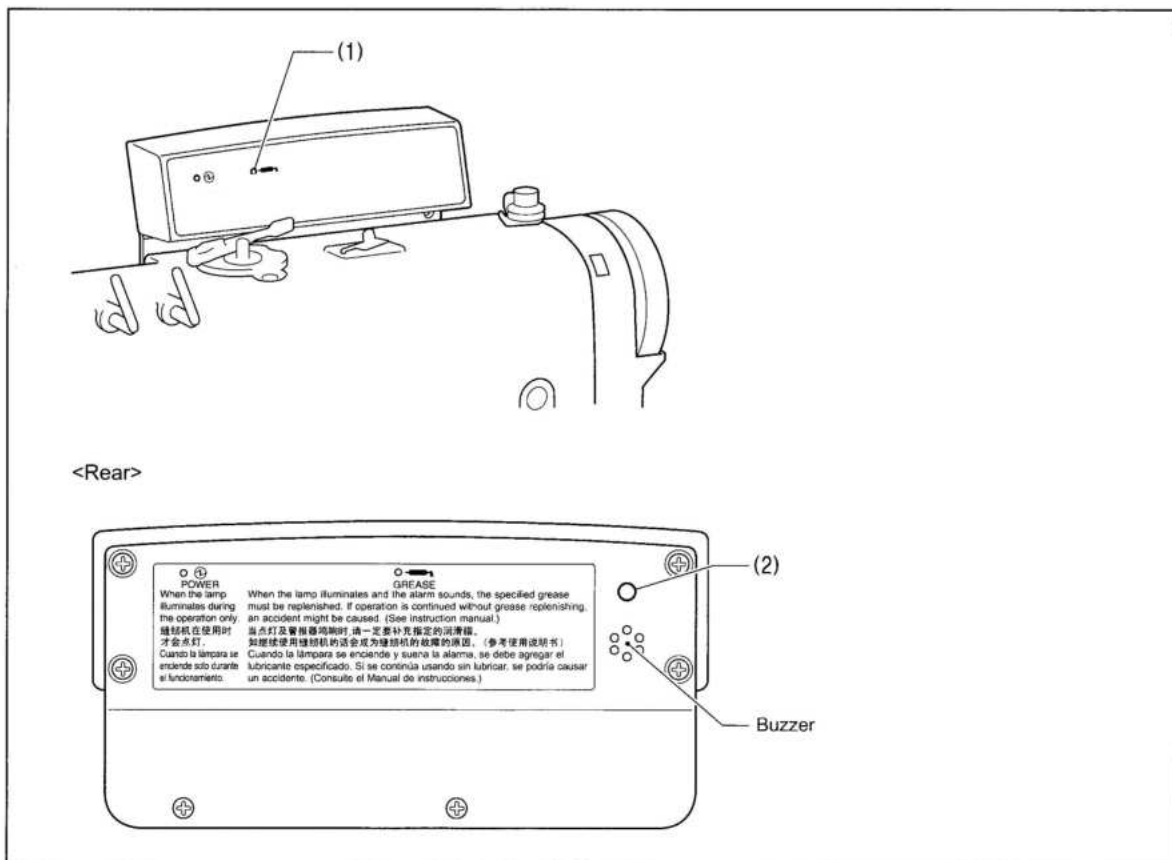
Use only the lubricating oil (Nisseki Mitsubishi Sewing Lube 10N; VG10).

* If this type of lubricating oil is difficult to obtain, the recommended oil to use is <Exxon Mobil EssoTex SM10; VG10>.

1. Tilt back the machine head.
2. Pour lubricating oil into the oil cover (1) until the oil level reaches the reference line (2). (Refer to p.11.)
3. Return the machine head to its normal position.

8-3. Applying grease - When the GREASE indicator illuminates (Semi dry type)

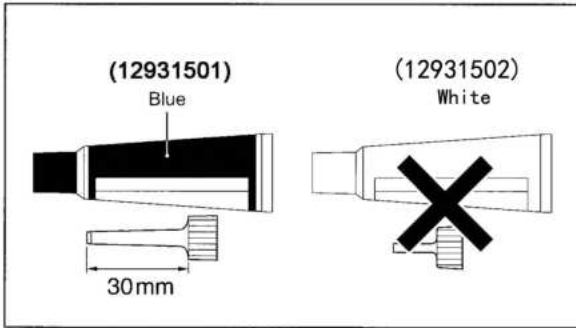
If the GREASE indicator (1) illuminates and the buzzer sounds each time the treadle is depressed, it means that it is time to apply grease to the sewing machine. Apply grease while referring to the following page.



<To continue sewing temporarily without applying grease>

1. Press the RESET switch (2) for approximately one second.
(The buzzer will stop sounding but the GREASE indicator (1) will remain illuminated even when the treadle is depressed.)
 2. Sewing can continue in this condition, but if the cumulative sewing machine operating time reaches a further 10 hours, the buzzer will start sounding again. If this happens, apply grease and then reset the alarm display by referring to the procedure on the following page.
- * If you continue to use the sewing machine after carrying out the reset procedure but without applying grease, problems with the sewing machine may result.

<Applying grease>

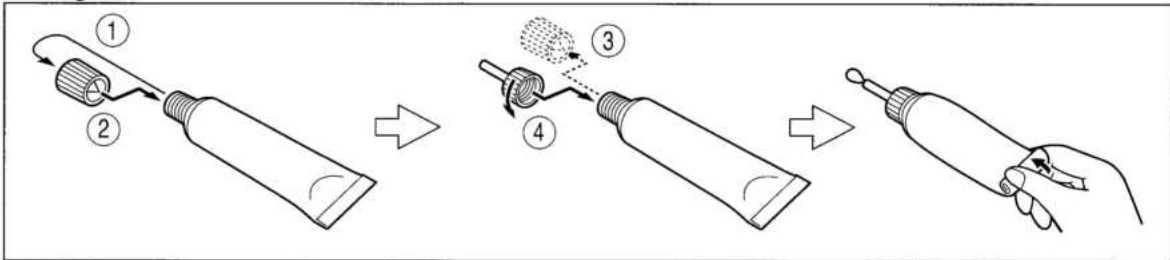


NOTE:

- Use only the grease (12931501) in the **blue tube**.
- Do not use the grease in the **white tube** with this sewing machine.
- Do not use the (12931501) grease in the blue tube for any models except for those which are indicated with "Use only the grease (12931501) .

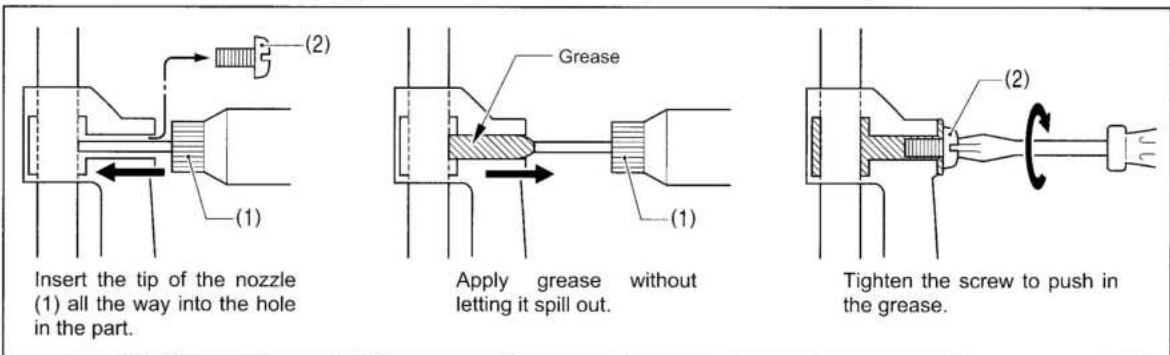
Purchase the grease unit (12931501) to use for applying grease.

1. Using the tube

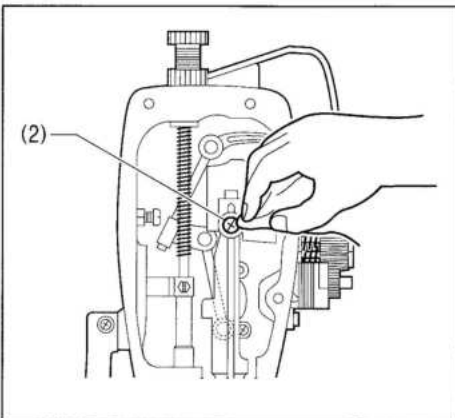


2. Applying grease

Follow the procedure below to apply grease to the places indicated by arrows on the next page.



1. Turn the power switch to "OFF".
2. Remove the screw (2). (Refer to the next page for greasing locations.)
3. Apply grease to each of the holes until the grease overflows slightly.
4. Tighten the screw (2) to push in the grease.

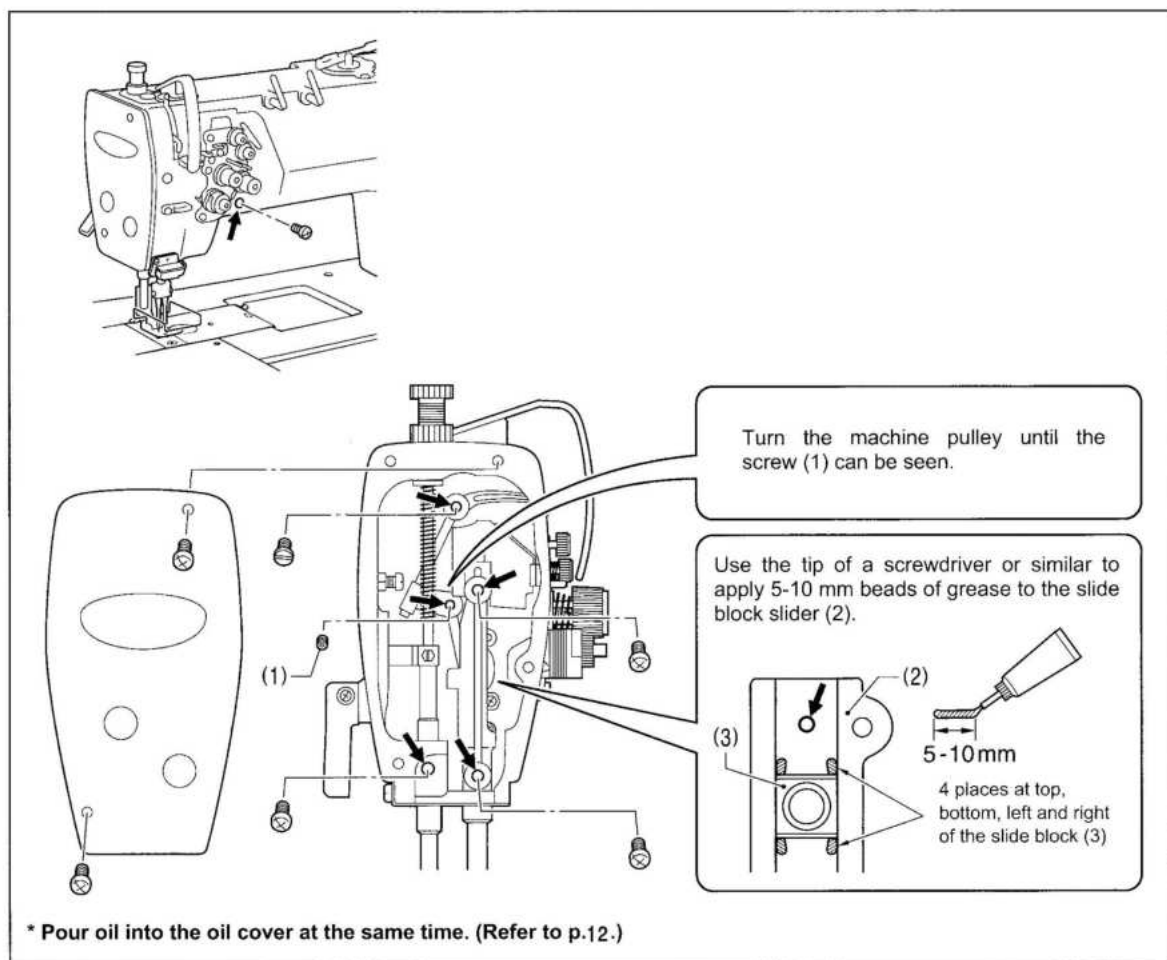


5. Use a cloth to wipe away any excess grease from around the screw (2).
6. Apply grease to all locations shown on the next page in the same way.
7. Carry out the reset procedure given on the next page.

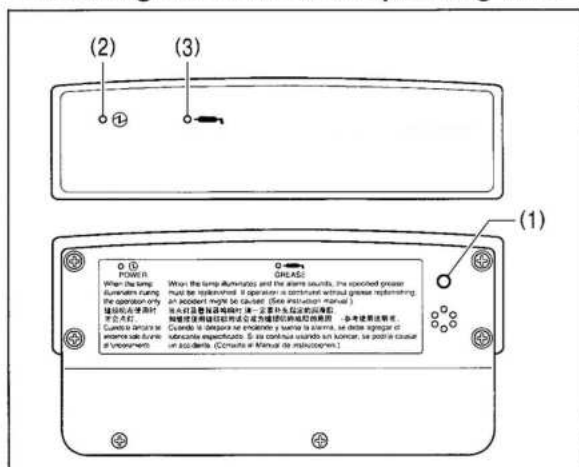
NOTE:

- Once the grease tube has been opened, remove the nozzle from the tube, attach the cap securely and store the tube in a cool dark place.
- The grease should be used as quickly as possible.
- When using the grease again, remove any old grease from inside the nozzle first.

(Store the tube away carefully once the tube has been opened, otherwise the grease remaining inside the tube may deteriorate, and this may affect its lubricating performance.)



<Resetting the cumulative operating time>



Once the grease has been applied, follow the procedure below to reset the cumulative time between grease applications.

1. Press the RESET switch (1) for about 5 seconds until a short beep (about 0.5 seconds) sounds. (Release the switch once the buzzer sounds.)
2. Press the RESET switch (1) once more for approximately 5 seconds.
A long beep (about 2 seconds) will sound, and the reset procedure will be carried out.

<Checking method after resetting>

If only the POWER indicator (2) illuminates when the sewing machine is next used, the reset procedure has been carried out successfully.

NOTE:

- If the reset procedure has not been carried out successfully, repeat steps 1 and 2 above.
- If the GREASE indicator (3) does not illuminate and the buzzer does not sound when the RESET switch (1) is pressed, operate the sewing machine for more than 30 seconds, and then carry out the reset procedure again.
- The RESET switch (1) should never be pressed except when carrying out the reset procedure after grease application.

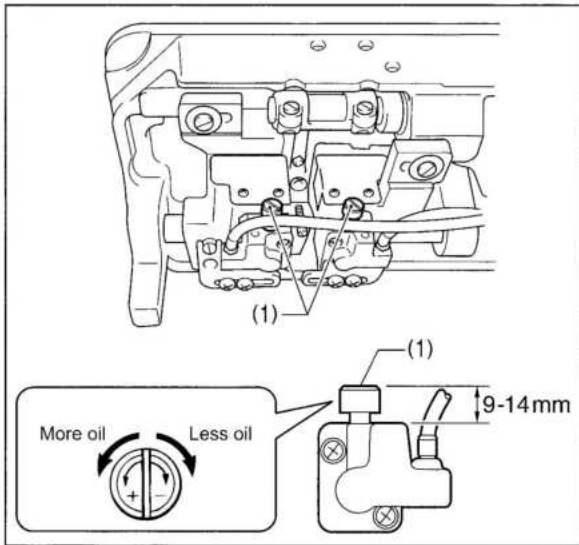
9. ADJUSTING THE ROTARY HOOK LUBRICATION AMOUNT

⚠ CAUTION



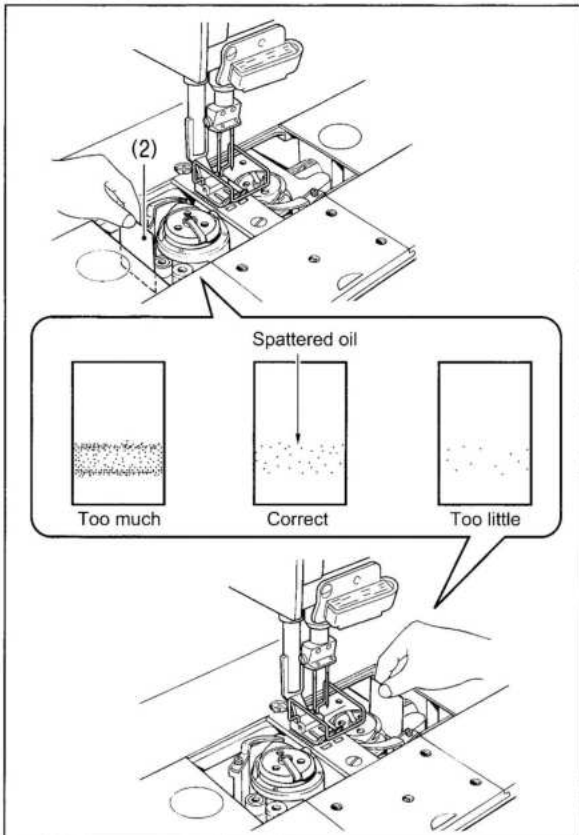
Be careful not to touch your fingers or the lubrication amount check sheet against moving parts such as the rotary hook or the feed mechanism when checking the amount of oil supplied to the rotary hook, otherwise injury may result.

Use the following procedure to check the amount of oil being supplied to the rotary hook when replacing the rotary hook or when changing the sewing speed.



<Guide to lubrication adjustment>

1. Tilt back the machine head.
2. Turn the oil adjusting screw (1) to adjust the height to within 9-14 mm.



<Checking the lubrication amount>

1. Turn off the power switch.
2. Remove the thread from all points from the thread take-up to the needle.
3. Remove the needle and the bobbin.
4. Use the lifting lever to lift the presser foot.
5. Turn on the power switch.
6. Run the machine at the normal sewing speed for approximately 1 minute without sewing any material (following the same start/stop pattern as when actually sewing).
7. Place the lubrication amount check sheet (2) to the left of the rotary hook (the right side is the right side of the rotary hook), and hold it in place while running the sewing machine at the normal sewing speed for approximately 8 seconds. (Any type of paper can be used as the lubrication amount check sheet (2).)
8. Check the amount of oil which has spattered onto the sheet.

<Adjusting the lubrication amount>

1. Tilt back the machine head.
2. Turn the adjusting screw (1) to adjust the lubrication amount.
 - If the rotary hook adjusting screw (1) is turned counterclockwise, the lubrication amount becomes greater.
 - If the rotary hook adjusting screw (1) is turned clockwise, the lubrication amount becomes smaller.
3. Check the lubrication amount again according to the procedure given in "Checking the lubrication amount" above.
 - * Turn the adjusting screw (1) and check the lubrication amount repeatedly until the lubrication amount is correct.
4. Check the lubrication amount again after the sewing machine has been used for approximately two hours.

10. TROUBLESHOOTING

- Please check the following points before calling for repairs or service.
- If the following remedies do not fix the problem, turn off the power switch and consult a qualified technician or the place of purchase.



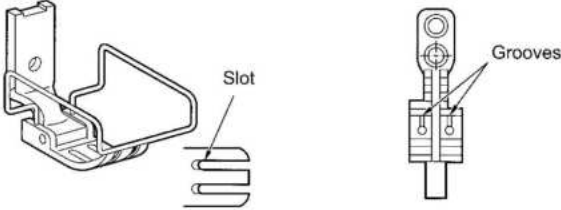

⚠ CAUTION

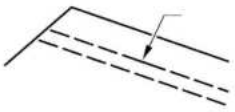
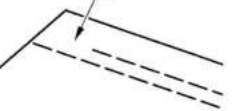
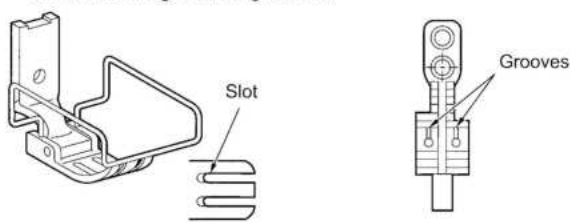


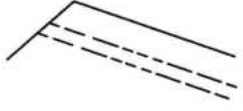

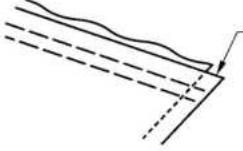
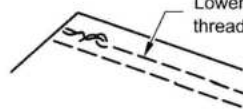
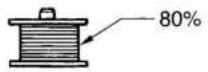
Turn off the power switch and disconnect the power cord before carrying out troubleshooting. The motor will keep turning even after the power is switched off as a result of the motor's inertia. Wait until the motor stops fully before starting work.

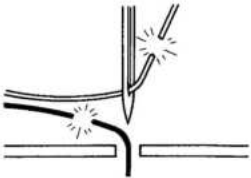
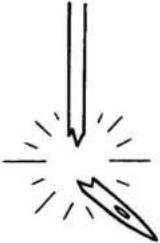
The machine may operate if the treadle is depressed by mistake, which could result in injury.

Items with a "*" in the "Page" column should only be checked by a qualified technician.

	Problem	Possible cause	Page
1	Machine does not operate when power is turned on and treadle is pressed.	<ul style="list-style-type: none"> • Is a breaker or fuse blown? • Is the power cord disconnected? • Is the V-belt installed? 	* 8
2	Upper thread is not tight.  Lower thread is not tight. 	<ul style="list-style-type: none"> • Has the thread been threaded incorrectly? If the thread is threaded incorrectly, thread it correctly. • Is the upper thread tension or lower thread tension too weak? Adjust the upper thread tension or lower thread tension. • Is the thread take-up spring operating range too small? Lower the position of the stopper. <p>If using a sewing machine with medium-weight material specifications, poor thread tightening may occur depending on the type of material being sewn. In such cases, replace the presser foot with one that has slots on the underside, or replace the feed dog with a grooved feed dog.</p> 	* 18-22 27 *
3	Loops appear in seam. 	<ul style="list-style-type: none"> • Is the thread path not smooth enough? Use a file with a fine grain or sandpaper to polish smooth the thread path. • Is the bobbin not turning smoothly? Pull out the lower thread to check that there is no slackness in the thread tension, or replace the bobbin or bobbin case. • Is the thread take-up amount too large? Adjust the thread take-up amount. 	* 29

	Problem	Possible cause	Page
4	<p>Skipped stitches occur while sewing</p> 	<ul style="list-style-type: none"> • Is the needle tip bent? Is the needle tip blunt? If the needle tip is bent or broken, replace the needle. • Is the needle properly installed? If it is incorrect, install the needle correctly. • Is the machine properly threaded? If it is incorrect, thread the thread correctly. • Is the presser foot pressure too weak? Adjust the presser foot pressure. • Is the needle too thin? Replace the needle with a needle that is one rank thicker. • Is the presser foot too high? Adjust the height of the presser foot. • Is the thread take-up spring too weak? Adjust the tension of the thread take-up spring. • Is the thread take-up amount too large? Adjust the thread take-up amount. 	<p>16 18-22 28 * * 29</p>
5	<p>Skipped stitches at sewing start Thread unravelling at sewing start</p> 	<ul style="list-style-type: none"> • Is the thread take-up spring tension too strong? Reduce the tension of the thread take-up spring. • Is the thread take-up spring operating range too large? Raise the position of the stopper. • Is the thread take-up at its highest position at the sewing start? Set the thread take-up to its highest position at the sewing start. • Is the length of the upper thread trailing from the needle hole too short? Pull about 50 mm of thread through the needle hole at the sewing start. • Is the needle too wide? Try using a needle with a count that is one lower than the current needle. • If sewing light or medium-weight materials, is a presser foot with slots on the underside or grooved feed dog being used? Use a presser foot without slots. Use a feed dog without grooves. <div style="text-align: center; margin-top: 20px;">  </div>	<p>* * 21 22</p>

Problem		Possible cause	Page
6	Uneven seam 	<ul style="list-style-type: none"> Is the presser foot pressure too weak? Adjust the presser foot pressure. Is the feed dog too low? Adjust the feed dog height. Is the bobbin scratched? If the bobbin is damaged, smooth it with an oiled grindstone or replace it. Is the V-belt tension too low? Adjust so that there is 10-14 mm of deflection in the V-belt when it is pushed with a finger. 	28 * 8
7	Large degree of puckering (excess tension) 	<ul style="list-style-type: none"> Is the upper thread tension too strong? Make the upper thread tension as weak as possible. Is the lower thread tension too strong? Make the lower thread tension as weak as possible. Are the thread take-up spring tensions too strong? Make the thread take-up spring tension as weak as possible. Is the thread take-up spring operating range too large? Move the stopper to as high a position as possible. Is the presser foot pressure too strong? Adjust the presser foot pressure. Is the thread take-up amount too small? Adjust the thread take-up amount. 	27 27 * * 28 29
8	Material slippage 	<ul style="list-style-type: none"> Is the presser foot pressure too strong? Adjust the presser foot pressure. 	28
9	Lower thread is tangled at the sewing start. 	<ul style="list-style-type: none"> Is the bobbin spinning direction correct when the lower thread is being pulled? Set the bobbin so that it turns in the opposite direction to the rotary hook. Is there too much thread wound onto the bobbin? The bobbin winding amount should not be more than 80%.  Is the bobbin turning smoothly? If the bobbin is not turning smoothly, replace the bobbin. Is a bobbin other than the light-alloy bobbins specified by Brother being used? Use only bobbins which are specified by Brother. 	19-20 18 19-20

	Problem	Possible cause	Page
10	<p>Upper and lower threads are breaking.</p> 	<ul style="list-style-type: none"> • Is the needle bent or is the needle tip broken? Replace the needle if it is bent or broken. • Is the needle properly installed? If it is incorrect, install the needle correctly. • Is the machine properly threaded? If it is incorrect, thread the thread correctly. • Is the oil tank filled with lubricating oil? If the level of lubricating oil is below the bottom reference line, add more oil. • Is the upper or lower thread tension too weak or too strong? Adjust the upper thread or lower thread tension. • Is the rotary hook blocked with dust or thread scraps? Clean the rotary hook. • Is the upper thread may be loose because the thread take-up spring operating range is too small? Adjust the position of the stopper. • Is the rotary hook, feed dog or other part damaged? If they are damaged, smooth them with an oiled grindstone or replace the damaged parts. • Is the thread path damaged? If the thread path is damaged, smooth it with sandpaper or replace the damaged part. • Is the thread take-up amount correct? Adjust the thread take-up amount. 	<p>16</p> <p>18-22</p> <p>13</p> <p>27</p> <p>30</p> <p>*</p> <p>*</p> <p>*</p> <p>29</p>
11	<p>Broken needles</p> 	<ul style="list-style-type: none"> • Is the material being pushed or pulled with excessive force during sewing? • Is the needle bent, is the needle tip broken, or is the needle hole blocked? Replace the needle. • Does the needle drop into the center of the needle hole in the feed dog? Check the needle drop position. If the needle does not drop into the center of the needle hole in the feed dog, reinstall the feed dog. If the needle bar has rotated, rotate the needle bar to the correct position. <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p>Caution</p> <ul style="list-style-type: none"> • It is extremely dangerous to leave any pieces of broken needle sticking in the material. If the needle breaks, search for all pieces until the whole of the needle is found again. • Furthermore, we recommend we recommend that through steps be taken to account for such needles to comply with product liability regulations. </div>	<p>16</p> <p>*</p> <p>*</p>
12	<p>The GREASE indicator on the alarm display illuminates and the buzzer sounds when the treadle is depressed.</p>	<ul style="list-style-type: none"> • This is a notification that it is time to apply grease. Apply grease to the sewing machine. 	<p>32</p>

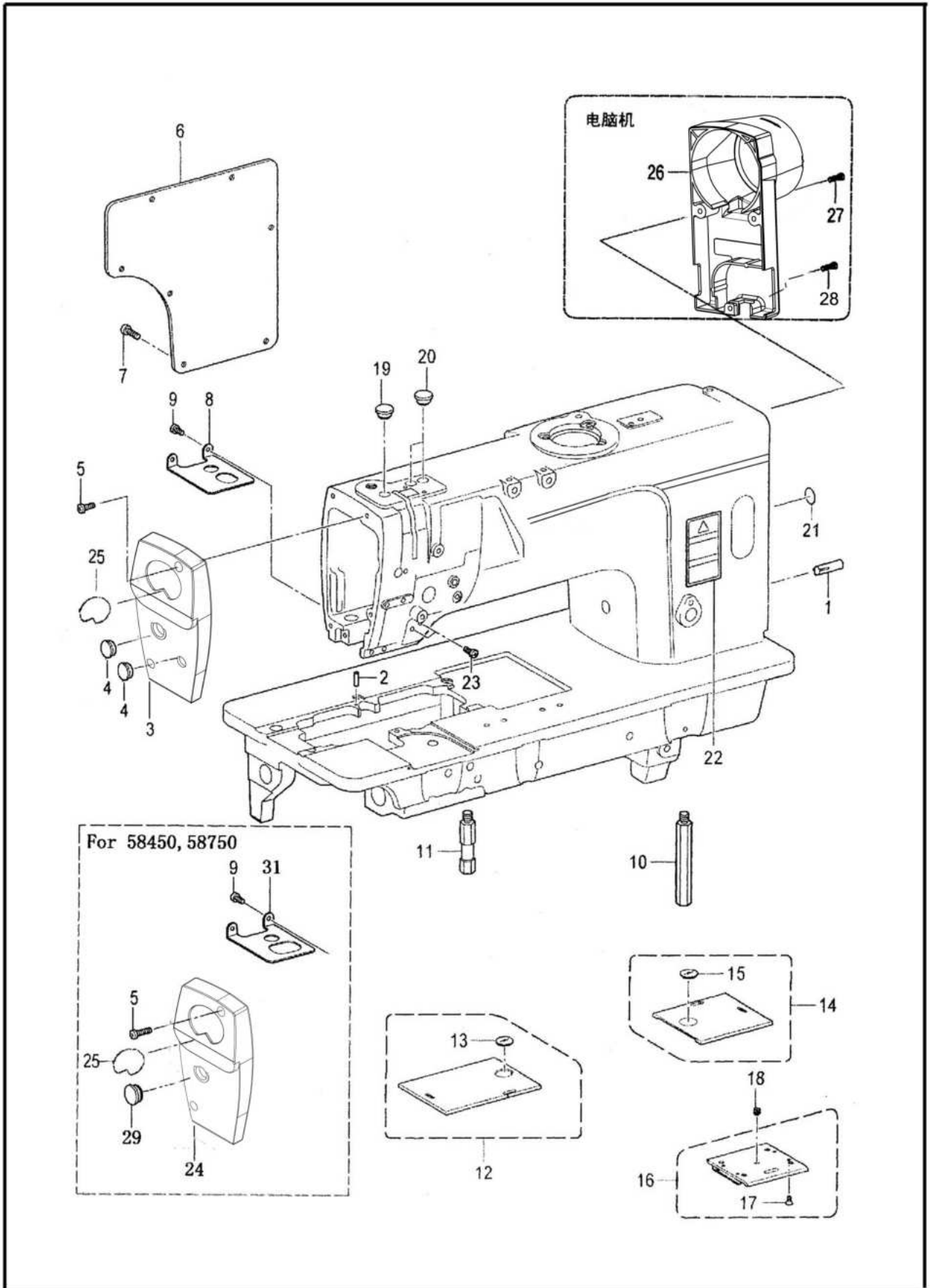
零件样本

PARTS BOOK

零件样本/PARTS BOOK

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A. 机体部件/Machine body

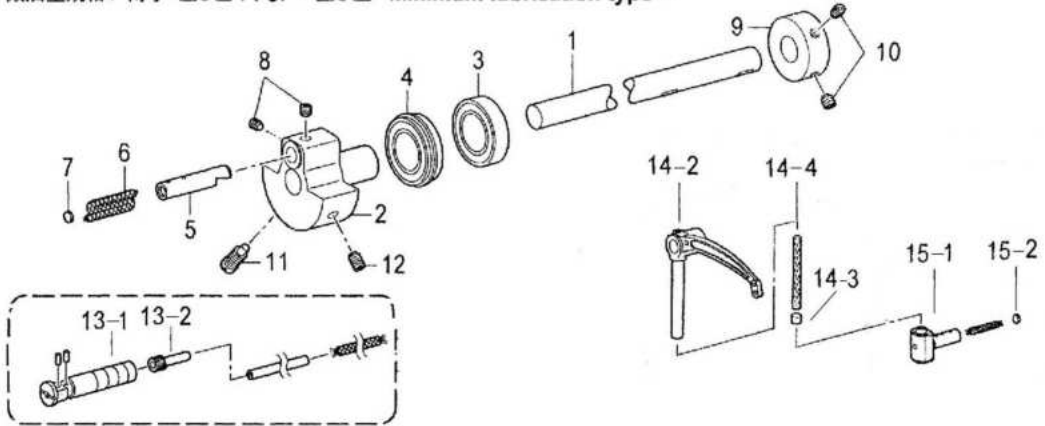


A.机体部件/Machine body

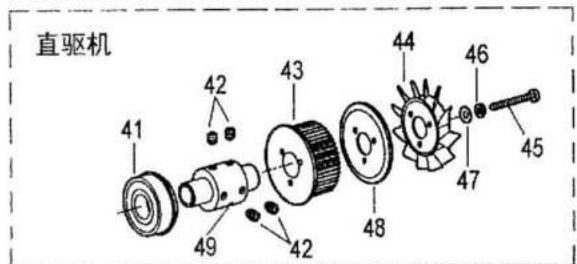
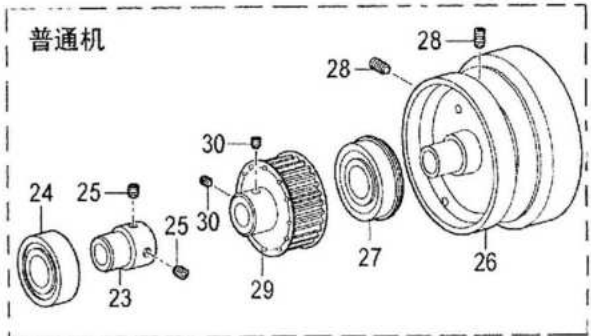
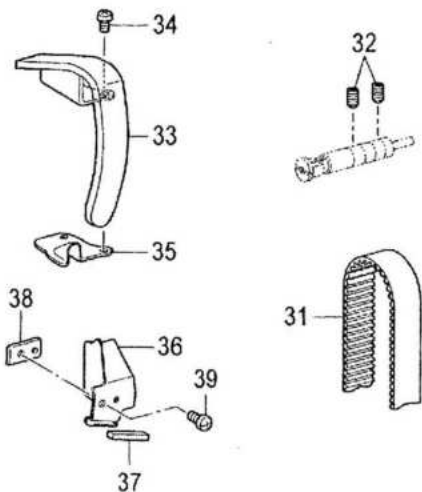
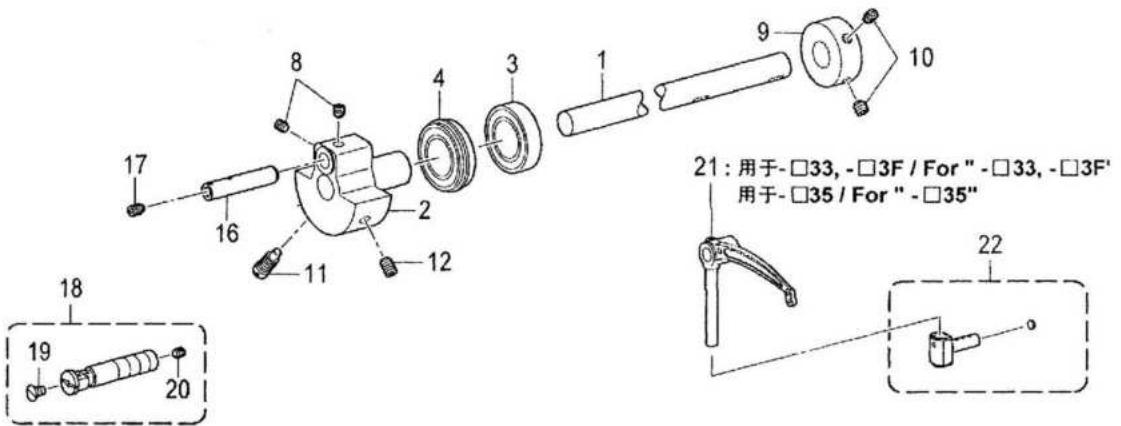
序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12926001	140063001	带槽销	Dowel pin	1	1	1	
2	12926002	SA3924001	定位销	Positioning pin	1	1	1	
3	12911307	SA2440001	面板	Face plate	1	1	1	58420, 58720
4	12922001	SA2929001	橡皮塞 12.5	Rubber cap, 12.5	2	2	2	58420, 58720
5	S04032	062501416	螺钉 M5×14	Screw, pan M5×14	2	2	2	
6	301078	SA2441001	后窗板	Rear cover	1	1	1	
7	S04029	062501216	螺钉 M5×12	Screw, pan M5×12	7	7	7	
8	12912003	SA2443101	防尘板	Dust protector	1	1	1	58420, 58720
9	S04030	062500616	螺钉 M5×6	Screw, pan M5×6	2	2	2	
10	129S30001	SA2444101	脚柱 L	Bed leg, L	1	1	1	
11	129S30002	SA2445101	脚柱 S	Bed leg, S	1	1	1	
12	12915005	SA2447001	推板LA组件	Slide plate, LA assy	1	1	1	
13	12911001	SA2479001	推板窗	Bobbin window	1	1	1	
14	12915006	SA2449001	推板R组件	Slide plate, R assy	1	1	1	
15	12911001	SA2479001	推板窗	Bobbin window	1	1	1	
16	1291500300	S36663051	前推板组件	Slide plate f assy	1	1	1	
17	129S15001	S34438051	螺钉 SM3. 18-40×4	Screw, flat SM3. 18-40×4	4	4	4	
18	129S17001	116010001	螺钉 SM5. 16-40×4	Screw, flat SM5. 16-40×4	1	1	1	
19	12922001	SA2929001	橡皮塞 12.5	Rubber cap, 12.5	1	1	1	58420, 58720
20	12922001	SA2929001	橡皮塞 12.5	Rubber cap, 12.5	2	2	2	
21	11237002	S37060001	接地标记	Label, grounding	1	1	1	
22	11237001		警告标记	Safety label	1	1	1	
23	S04028	062500816	螺钉 M5×8	Screw, pan M5×8	2	2		58450, 58750
24	12911306	SA4364101	面板	Face plate	1	1		58450, 58750
25	30337001		商标牌	Plate with trademark	1	1	1	
26	12901311	SA2442101	马达罩	Motor cover	1	1	1	直驱/Direct drive
27	S04091	062501416	螺钉 M5×22	Screw, pan M5×22	2	2	2	直驱/Direct drive
28	S04032	062501016	螺钉 M5×14	Screw, pan M5×14	1	1	1	直驱/Direct drive
29	12422001	104449001	橡皮塞 15.5	Rubber cap, 15.5	1	1		58450, 58750
31	12912083	SA4370101	防尘板	Dust protector	1	1		58450, 58750

B. 上轴装置/Upper shaft mechanism

< 微油型规格, 用于-□0□ / For "-□0□" Minimum lubrication type >



< 针杆无油型规格, 用于-□3□ / For "-□3□" Semi dry type >

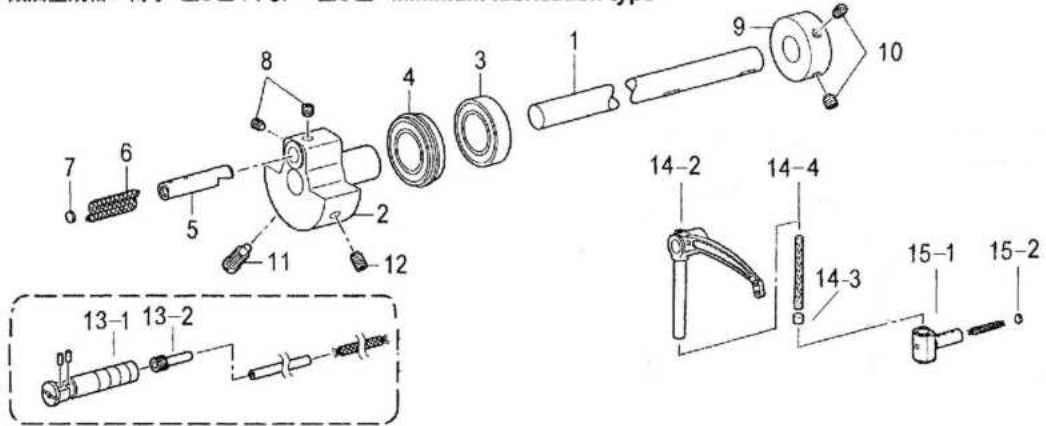


B.上轴装置/Upper shaft mechanism

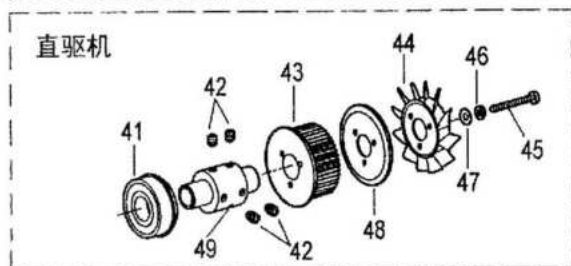
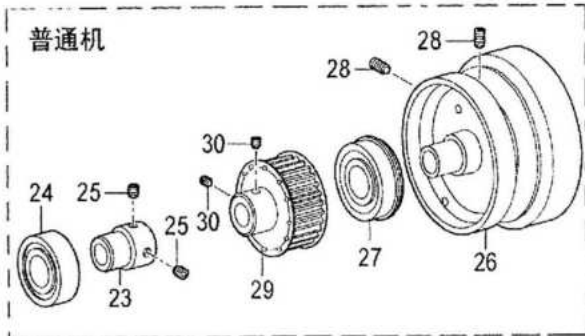
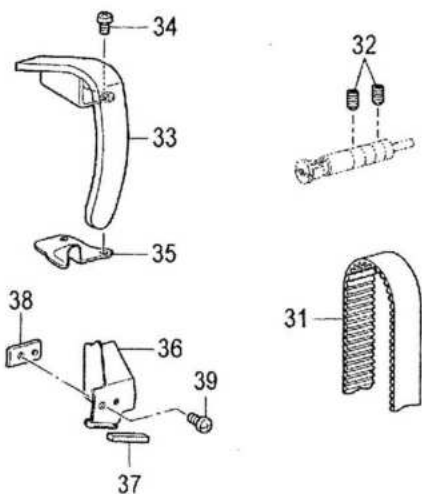
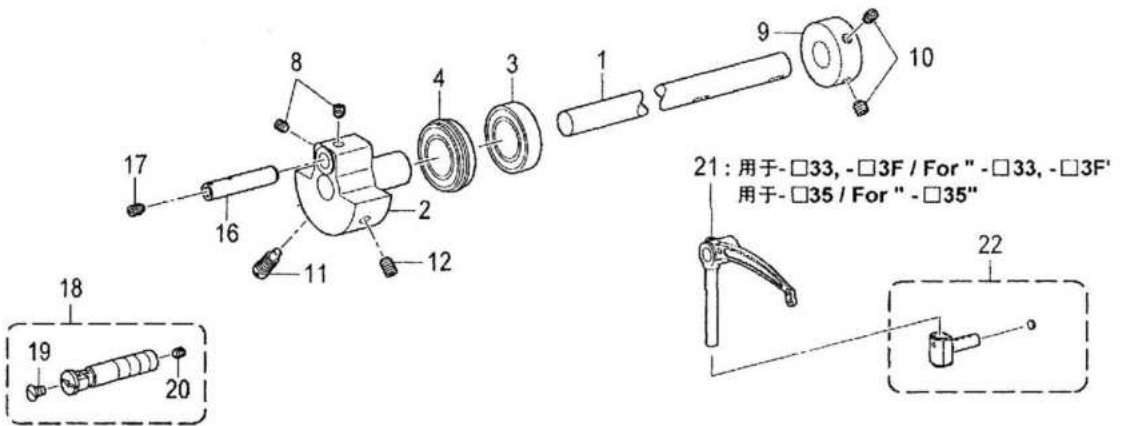
序号	件号 Part No.	参考件号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12902001	SA2746201	上轴 ST	Upper shaft ,ST	1	1	1	58420/58720
	12902001	SA4550001	上轴 ST	Upper shaft ,ST	1	1	1	58450/58750
	12902303	SA2452101	上轴 DD	Upper shaft ,DD	1	1	1	58420D/58720D
	12902303	SA4551001	上轴 DD	Upper shaft ,DD	1	1	1	58450D/58750D
2	12904001	SA4089001	挑线杆曲柄	Thread takeup crank	1	1	1	58420/58720
	12904006	SA4373001	挑线杆曲柄	Thread takeup crank	1	1		58450/58750
3	B04022	S25234001	球轴承 6004ZZ	Ball bearing,6004ZZ	1	1	1	
4	B10002	S38707001	球轴承 6004ZZNR	Ball bearing,6004ZZNR	1	1	1	
5	12926201	SA6166001	针杆曲柄轴	Crankshaft,NBAR	1	1		
6	12923019	117006001	油线 6×6 L=60	Wick, 6×6 L=60	1	1	1	
7	11626003	113014000	油线盖	Pusher	1	1	1	
8	S10017	S25260001	固定螺钉 M6×0.75 L=5	Set screw, socket(ft)M6×0.75 L=5	2	2	2	
9	12908001	SA1120001	卷线驱动轮	Bobbin winder driving wheel	1	1	1	
10	S10018	S23651001	紧定螺钉 M6×6	Set screw, socket(ft)M6×6	2	2	2	
11	129S30005	S25235001	螺钉 M8×6	Screw M8×6	1	1	1	
12	S09017	S25236001	螺钉 M6×0.75 L=10	Set screw, socket(ft)M6×0.75 L=10	1	1	1	
13-2	12938002	SA2861001	挑线杆支撑轴接头	Thread takeup shaft unit	1	1	1	
13-1	12938003		挑线架销	Thread takeup shaft	1	1	1	
14-2	12938006	SA2935101	挑线杆-3	Thread takeup lever assy, s3l	1		1	58420-003
	12938007	SA2936101	挑线杆-5	Thread takeup lever assy, s5l	1	1		58420-005/58450
	12938202	SA2937101	挑线杆-7	Thread takeup lever assy, s7l	1	1		58720/58750D-40□
14-3	12922015		橡皮塞	Rubber cap	1	1	1	
14-4	12923031		油毡	Felt	1	1	1	
15-1	11626004	S13160001	挑线杆连接柱	Ttakeup slide block assy,2	1	1	1	用于□0□
15-2	12926016		油线盖φ4	Pusher	1	1	1	
1	12902001	SA2746201	上轴 ST	Upper shaft ,ST	1	1	1	用于□3□, For □3□
	12905001	SA2452101	上轴 DD	Upper shaft ,DD	1	1	1	用于□3□, For □3□, 直驱/Direct drive
2	12904001	SA4089001	挑线杆曲柄	Thread takeup crank	1	1	1	用于□3□, For □3□
3	B04022	S25234001	球轴承 6004ZZ	Ball bearing,6004ZZ	1	1	1	用于□3□, For □3□
4	B10002	S38707001	球轴承 6004ZZNR	Ball bearing,6004ZZNR	1	1	1	用于□3□, For □3□
16	12926201	SA4112001	针杆曲柄轴 P	Thread takeup crank shaft,P	1	1	1	用于□3□, For □3□
17	S12010	014500836	螺钉 M4×8	Set screw, socket(CP)M4×8	1	1	1	用于□3□, For □3□
8	S10017	S25260001	固定螺钉 M6×0.75 L=5	Set screw, socket(ft)M6×5 L=5	2	2	2	用于□3□, For □3□
9	12908001	SA1120001	卷线驱动轮	Bobbin winder driving wheel	1	1	1	用于□3□, For □3□
10	S10018	S23651001	紧定螺钉 M6×6	Set screw, socket(ft)M6×6	2	2	2	用于□3□, For □3□
11	129S30005	S25235001	螺钉M8	Screw M8	1	1	1	用于□3□, For □3□
12	S09017	S25236001	螺钉 M6×10 L=10	Set screw, socket(ft)M6×10 L=10	1	1	1	用于□3□, For □3□
18	1293850100	SA2464001	挑线杆支架轴组件	Thread takeup sshaft assy	1	1	1	用于□3□, For □3□
19	S01065	SA2958001	螺钉 M5×6	Screw, flat M5×6	1	1	1	用于□3□, For □3□
20	S09019	012500536	螺钉 M5×5	Set screw, socket(ft)M5×5	1		1	用于□3□, For □3□
21	12938501	SA4115001	挑线杆 S3P	Thread takeup lever, S3 P	1		1	用于□3□, For □3□
21	12938502	SA4116001	挑线杆 S5P	Thread takeup lever, S5 P		1		用于□3□, For □3□
22	12926502	SA4129001	挑线杆接头滑块组件	Ttakeup slide block assy	1	1	1	用于□3□, For □3□
23	12908002	SA2748001	轴承套座	Ball bearing bush	1	1	1	
24	B04021	076023800	R球轴承 60/22ZZ	Ball bearing, radial 60/22ZZ	1	1	1	
25	S10018	S23651001	紧定螺钉 M6×6	Set screw, socket(ft)M6×6	2	2	2	
26	301079	SA2750001	手轮	Pully	1	1	1	
27	B10009	S38710001	球轴承 6204ZZNR	Ball bearing,6204ZZNR	1	1	1	
28	S10024	012061036	螺钉 M6×10	Set screw, socket(ft)M6×10	2	2	2	
29	12935002	SA2720001	同步轮UST组件	Timing pulley assy,U ST	1	1	1	

B. 上轴装置/Upper shaft mechanism

< 微油型规格, 用于-□0□ / For "-□0□" Minimum lubrication type >



< 针杆无油型规格, 用于-□3□ / For "-□3□" Semi dry type >

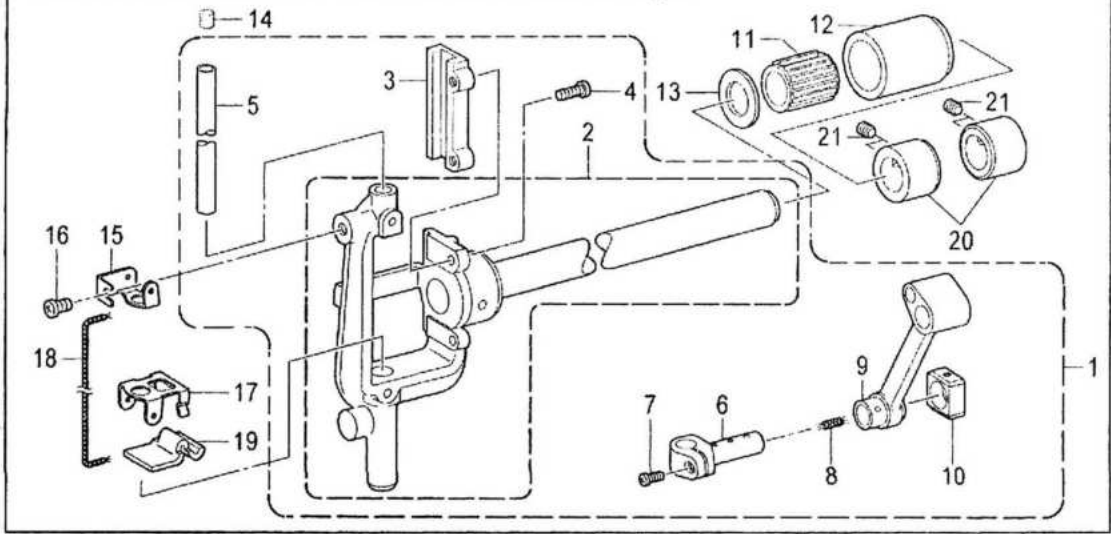


B.上轴装置/Upper shaft mechanism

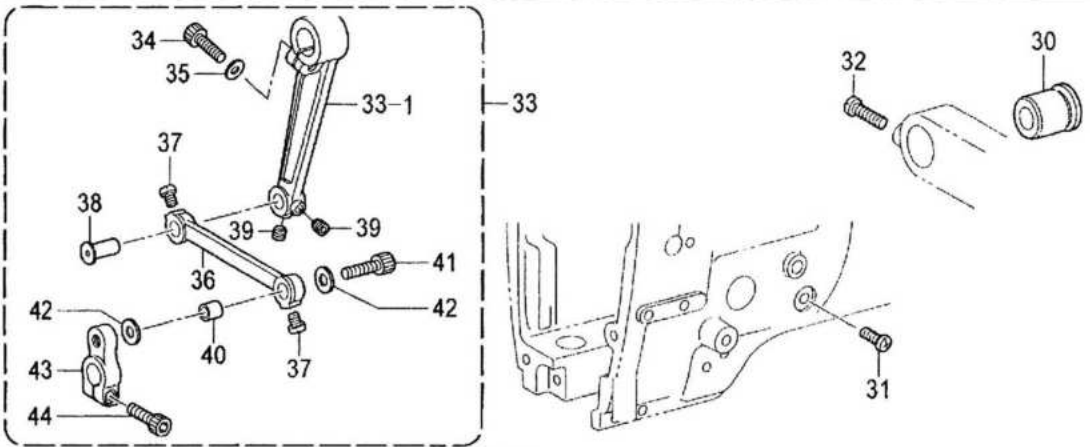
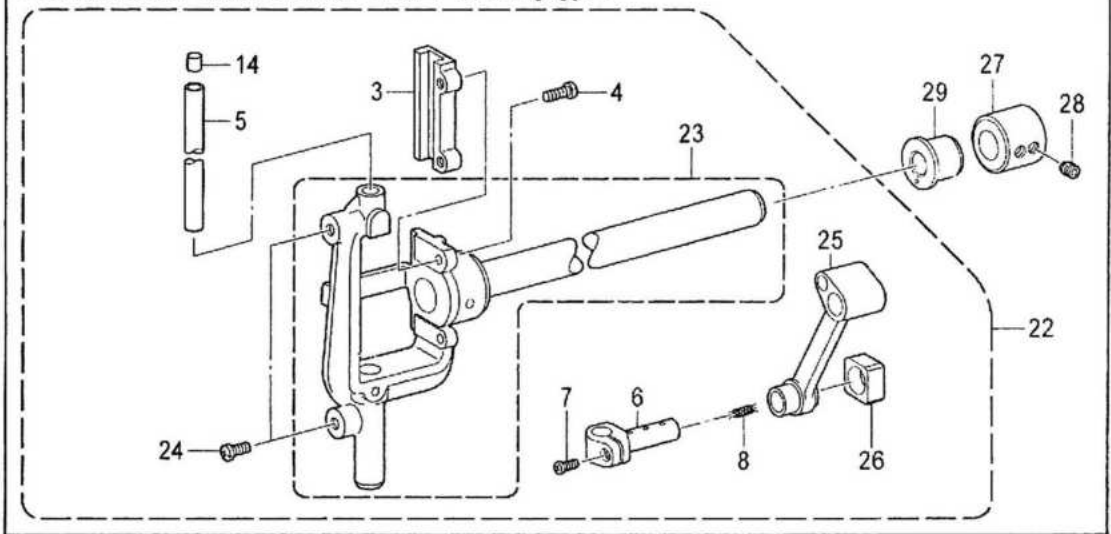
序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
30	S10018	S23651001	紧定螺钉 M6×6	Set screw, socket (CP)M6×6	2	2	2	
31	12935003	SA2463001	同步皮带	Timing belt	1	1	1	
32	S10024	012061036	螺钉 M6×10	Set screw, socket (ft)M6×10	2	2	2	
33	301080	SA2469001	挑线杆防护罩	Thread takeup lever cover	1	1	1	
34	S04028	062500816	螺钉 M5×8	Screw, pan M5×8	2	2	2	
35	12912005	SA4537001	防尘盖	Dust cover	1	1	1	
36	1291207900	SA3058101	遮掩板	Shelter plate	1	1	1	58420/58720
	12912082	SA4376101	遮掩板	Shelter plate	1	1		58450/58750
37	12923001	SA3065001	油毡	Felt	1	1	1	
38	12912006	SA3059101	遮掩板支座	Holder, shelter plate	1	1	1	
39	S04028	062500816	螺钉 M5×8	Screw, pan M5×8	1	1	1	
41	B10009	S38710001	球轴承 6204ZZNR	Ball bearing, 6204ZZNR	1	1	1	直驱/Direct drive
42	S10018	S23651001	紧定螺钉M6×6	Set screw, socket (CP)M6×6	4	4	4	直驱/Direct drive
43	12935301	SA2461001	同步轮UDD组件	Timing pulley assy, U DD	1	1	1	直驱/Direct drive
44	12411002	S38713100	叶轮	Fan	1	1	1	直驱/Direct drive
45	208L15001	062403512	螺栓M4×35	Screw, pan M4×35	3	3	3	直驱/Direct drive
46	W02002	028040242	弹簧垫圈	Spring washer	3	3	3	直驱/Direct drive
47	W01006	025040232	平垫圈M4	Washer, plain M4	3	3	3	直驱/Direct drive
48	12903301	SA2462001	同步轮U法兰	Timing pulley flange	1	1	1	直驱/Direct drive
49	12903302	SA1141001	联轴器	Tiein	1	1	1	直驱/Direct drive

C-1. 针杆摆动装置/Needle bar rocking mechanism(58420, 58720)

< 微油型规格, 用于-□0□ / For "-□0□" Minimum lubrication type >



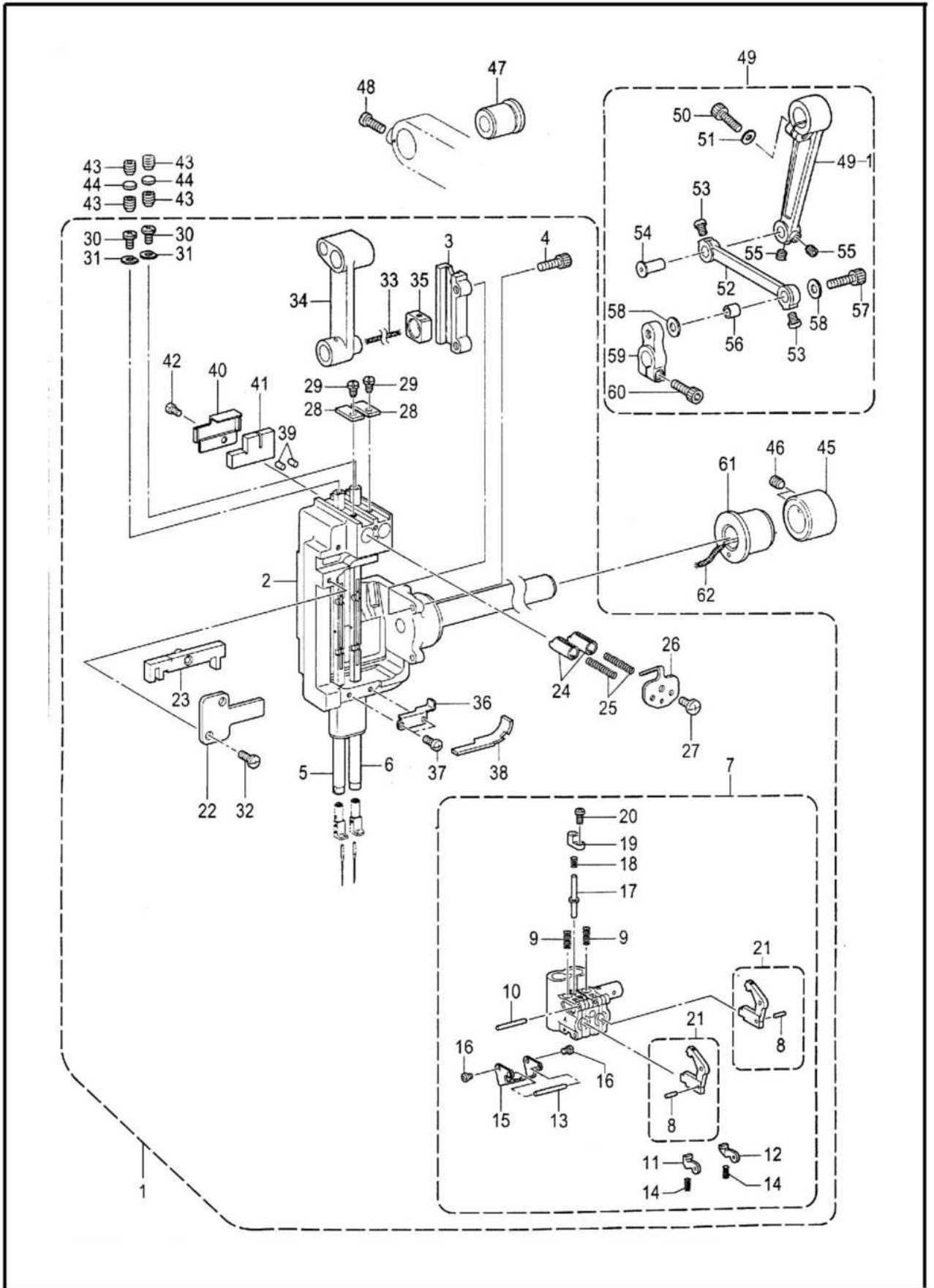
< 针杆无油型规格, 用于-□3□ / For "-□3□" Semi dry type >



C-1.针杆摆动装置/Needle bar rocking mechanism(58420,58420D,58720,58720D)

序号 Part No.	件号 Part No.	参考件号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1290200200	SA4124301	针杆摆动轴组件	Needle bar rocker shaft assy	1	1	1	
2	1290100100	SA3854001	针杆台组件	Needle bar base assy	1	1	1	
3	12909001	SA2474201	角滑块槽	Slide block slider	1	1	1	
4	S05058	018401036	螺钉M4×10	Screw, pan M4×10	2	2	2	
5	12902003	SA2475101	针杆	Needle bar	1	1	1	
6	12905002	SA3710001	针杆抱箍	Needle bar clamp	1	1	1	
7	129S30021	062350816	螺钉M3.5×8	Screw, pan M3.5×8	1	1	1	
8	12923021	112728001	油线 2×2 L=50	Wick, 2×2 L=50	1	1	1	
9	12905003	SA3711101	针杆曲柄连杆	Crank rod, nbar	1	1	1	
10	12909002	SA3712001	角滑块	Slide block	1	1	1	
11	12924001	SA2482001	滚针轴承	Needle bearing	1	1	1	
12	12903001	SA2483001	轴承套	Case	1	1	1	
13	12928015	SA2484001	垫圈	Washer, plain	1	1	1	
14	12923002	148394000	针杆塞	Cap, nbar	1	1	1	
15	12912007	SA4007001	油毡上支架U	Flat support, U	1	1	1	
16	S04030	062500616	螺钉M5×6	Screw, pan M5×6	1	1	1	
17	12912008	SA3848001	油毡下支架D	Flat support, D	1	1	1	
18	12923021	S07465000	油线 2×2 L=200	Wick, 2×2 L=200	1	1	1	
19	12923003	SA3852001	油毡	Flat	1	1	1	
20	12908003	SA2485001	紧圈	Set screw collar	2	2	2	
21	S10017	S25260001	固定螺钉 M6×5	Set screw, socket (ft) M6×5	4	4	4	
22	1290250100	SA4093001	针杆摆动轴组件	Needle bar rocker shaft assy	1	1	1	用于□3□, For □3□
23	1290150100	SA2471001	针杆台组件	Needle bar base assy	1	1	1	用于□3□, For □3□
24	S04028	062500816	螺钉M5×8	Screw, pan M5×8	2	2	2	用于□3□, For □3□
3	12909001	SA2474201	角滑块槽	Slide block slider	1	1	1	用于□3□, For □3□
4	S05058	018401036	螺钉M4×10	Screw, pan M4×10	2	2	2	用于□3□, For □3□
5	12902003	SA2475101	针杆	Needle bar	1	1	1	用于□3□, For □3□
6	12905002	SA3710001	针杆抱箍	Needle bar clamp	1	1	1	用于□3□, For □3□
7	129S30021	062350816	螺钉M3.5×8	Screw, pan M3.5×8	1	1	1	用于□3□, For □3□
8	12923021	112728001	油线 2×2 L=50	Wick, 2×2 L=50	1	1	1	用于□3□, For □3□
25	12905501	SA4094001	针杆曲柄连杆	Crank rod, nbar	1	1	1	用于□3□, For □3□
26	12909501	SA2485001	角滑块	Slide block	1	1	1	用于□3□, For □3□
14	12923002	148394000	针杆塞	Cap, nbar	1	1	1	用于□3□, For □3□
27	12908501	SA2485001	紧圈	Set screw collar	1	1	1	用于□3□, For □3□
28	129S14001	S25260001	固定螺钉 M6×5	Set screw, socket (ft) M6×5	2	2	2	用于□3□, For □3□
29	12903501	SA4095001	摆动轴轴套L	Bush, L	1	1	1	用于□3□, For □3□
30	12903002	SA2486101	摆动轴轴套R	Bush, R	1	1	1	
31	S04028	062500816	螺钉M5×8	Screw, pan M5×8	1	1	1	
32	S04031	062061616	螺钉M6×16	Screw, pan M6×16	1	1	1	
33	1290501500		针杆摆动组件	Needle bar rocker lever assy	1	1	1	
33-1	12905004	SA2489001	针杆摆动连杆	Needle bar rocker lever	1	1	1	
34	S05078	018062032	螺栓M6×20	Bolt, socket M6×20	1	1	1	
35	20128033	118735002	垫圈	Washer	1	1	1	
36	12905005	SA2490101	针杆摆动杆	Rocker link, NBAR	1	1	1	
37	S04034	S23460001	螺钉M6×5	Screw, pan M6×5	2	2	2	
38	12926005	SA4117001	摆动杆轴P	Link shaft, NBAR rocker P	1	1	1	
39	S10019	012060636	螺钉 M6×6	Set screw, socket (ft) M6×6	2	2	2	
40	12903003	SA4118001	摆动杆轴套P	Zigzag link bush, P	1	1	1	
41	S05016	018062532	内六角螺栓M6×25	Bolt, socket M6×25	1	1	1	
42	12928002	SA2493001	垫圈	Washer, plain	2	2	2	
43	12901010	SA2494001	针杆摆动臂	Needle bar rock arm	1	1	1	
44	S05078	018062032	螺栓M6×20	Bolt, socket M6×20	1	1	1	

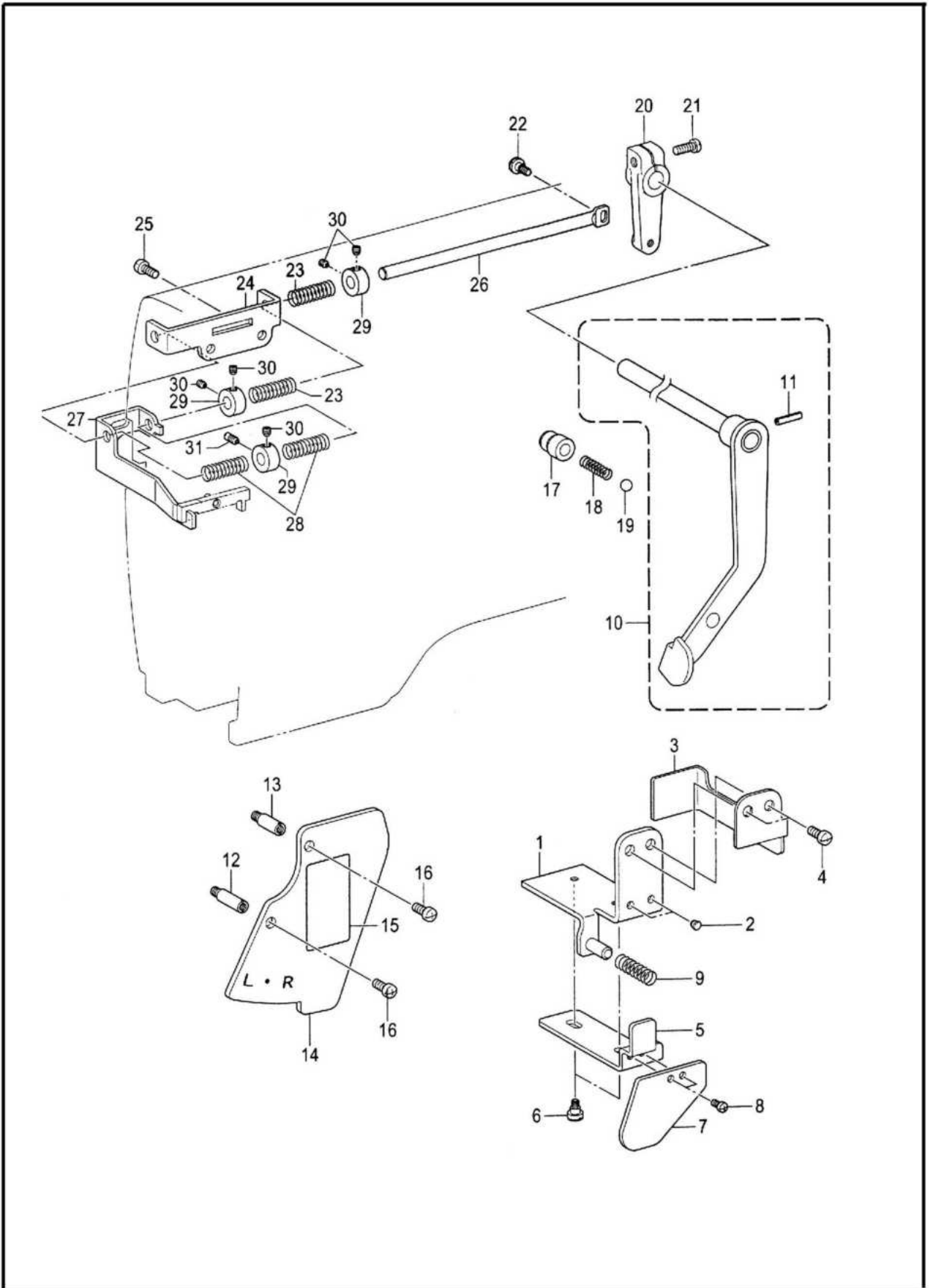
C-2. 针杆摆动装置/Needle bar rocking mechanism(58450, 58750)



C-2.针杆摆动装置/Needle bar rocking mechanism(58450,58750,58450D,58750D)

序号	件号 Part No.	参考件号 Ref.Part	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1290201400	SA4377001	针杆摆动轴组件	Needle bar rocker shaft assy	1	1		
2	1290100600	SA4378001	针杆台组件	Needle bar base assy	1	1		
3	12909001	SB1425001	角滑块槽	Slide block slider	1	1		
4	S05058	018401036	螺钉M4×10	Bolt socket M4×10	2	2		
5	12902015	SA4382001	针杆组件L	Needle bar assy, L	1	1		
6	12902016	SA4385001	针杆组件R	Needle bar assy, R	1	1		
7	12902017	SA4387001	针杆抱箍组件	Needlee bar clamp assy	1	1		
8	11726003	149604001	销 1.5×5.8	Pin 1.5×5.8	2	2		
9	12927019	149605001	离合器摆杆弹簧	Spring, clutch lever	2	2		
10	11726004	149827001	销 2×15.8	Pin 2×15.8	1	1		
11	12912102	S34561101	止动块 L	Clutch stopper, L	1	1		
12	12912066	S34562101	止动块 R	Clutch stopper, R	1	1		
13	11726005	149608001	销 2×17.8	Pin 2×17.8	1	1		
14	11727002	112609001	推动板止动簧	Spring	1	1		
15	12912067	SA4391001	弹簧支架	Spring holding	1	1		
16	129S3029	062260316	螺钉M2.6×3	Screw, pan M2.6×3	2	2		
17	11726006	149610001	销	Pin	1	1		
18	11727003	149611101	离合销弹簧	Spring, release pin	1	1		
19	12901009	SA4392001	离合销盖	Pin cover	1	1		
20	129S30030	062260516	螺钉M2.6×5	Screw, pan M2.6×5	1	1		
21	12912068	SA4389101	离合器摆杆组件	Clutch lever assy	2	2		
22	12912070	SA4395001	角滑块导向板	Slide block guide plate	1	1		
23	12909013	S07575000	滑块组件	Slide block assy	1	1		
24	12912071	SA4583001	针杆定位	Stopper, Nbar	2	2		
25	11727004	149622001	针杆止动器弹簧	Spring, Nbar stopper	2	2		
26	12912072	SA4396001	弹簧盖	Spring cover	1	1		
27	S04016	060350616	螺钉M3.5×6	Screw bind M3.5×6	1	1		
28	12912073	SA4397001	针杆定位块	Rotate stopper, NBar	2	2		
29	129S20005	SA4398001	螺钉SM3.5	Screw SM3.5	2	2		
30	S04016	060350616	螺钉M3.5×6	Screw bind M3.5×6	2	2		
31	12928501	SA4399001	垫圈	Washer, plane	2	2		
32	129S30021	062350816	螺钉M3.5×8	Screw pan M3.5×8	1	1		
33	12923021	112728001	油线 2×2 L=50	Wick, 2×2 L=50	1	1		
34	12905016	SA4393001	针杆曲柄连杆	Crank rod, Nbar	1	1		
35	12909010	SA4394001	角滑块	Slide block	1	1		
36	12912074	SA4401001	油毡下支架D	Felt support, D	1	1		
37	S04016	062350616	螺钉M3.5×6	Screw bind M3.5×6	2	2		
38	12923027	SA4400001	油毡	Felt	1	1		
39	10123002	107155001	针杆上毡塞	Felt	2	2		
40	12912101	SA5155001	油毡上支架U	Felt support, U	1	1		
41	12923029	SA5237101	油毡	Felt	2	2		
42	S04041	062350516	螺钉M3.5×5	Screw pan M3.5×5	1	1		
43	S10025	014080831	紧定螺钉 M8×8	Set screw, socket (CP) M8×8	4	4		
44	12928021	154567000	衬垫5.3	Spacer, 5.3	2	2		
45	12908003	SA2485001	紧圈	Set screw collar	1	1		
46	S10017	S25260001	固定螺钉 M6X0.75 L=5	Set screw, socket (ft) M6×0.75 L=5	2	2		
47	12903002	SA2486101	摆动轴轴套R	Bush, R	1	1		
48	S04031	062061616	螺钉M6×16	Screw pan M6×16	1	1		
49	1290501500		针杆摆动组件	Needle bar rocker lever assy	1	1		
49-1	12905004	SA2489001	针杆摆动连杆	Needle bar rocker lever assy	1	1		
50	129S13004	018062032	螺栓M6×20	Bolt socket M6×20	1	1		
51	20128033	118735002	垫圈6	Washer	1	1		
52	12905005	SA2490101	针杆摆动杆	Rocker link, NBar	1	1		
53	S04034	S23460001	螺钉M6×5	Screw pan M6×5	2	2		
54	12926005	SA4117001	摆动杆轴P	Link shaft, Nbar rocker P	1	1		
55	S10019	012060636	螺钉 M6×6	Set screw, socket (ft) M6×6	2	2		
56	12903003	SA4118001	摆动杆轴套P	Zigzag link bush, P	1	1		
57	S05016	018062532	螺栓M6×25	Bolt socket M6×25	1	1		
58	12928002	SA2493001	垫圈	Washer, plain	2	2		
59	12901010	SA2494001	针杆摆动臂	Needle bar rock arm	1	1		
60	S05078	018062032	螺栓M6×20	Bolt socket M6×20	1	1		
61	12903018	SA5332001	轴套L	Bush, L	1	1		
62	12923018	S48204000	油线4×4 L=150	Wick, 4×4 L=150	1	1		

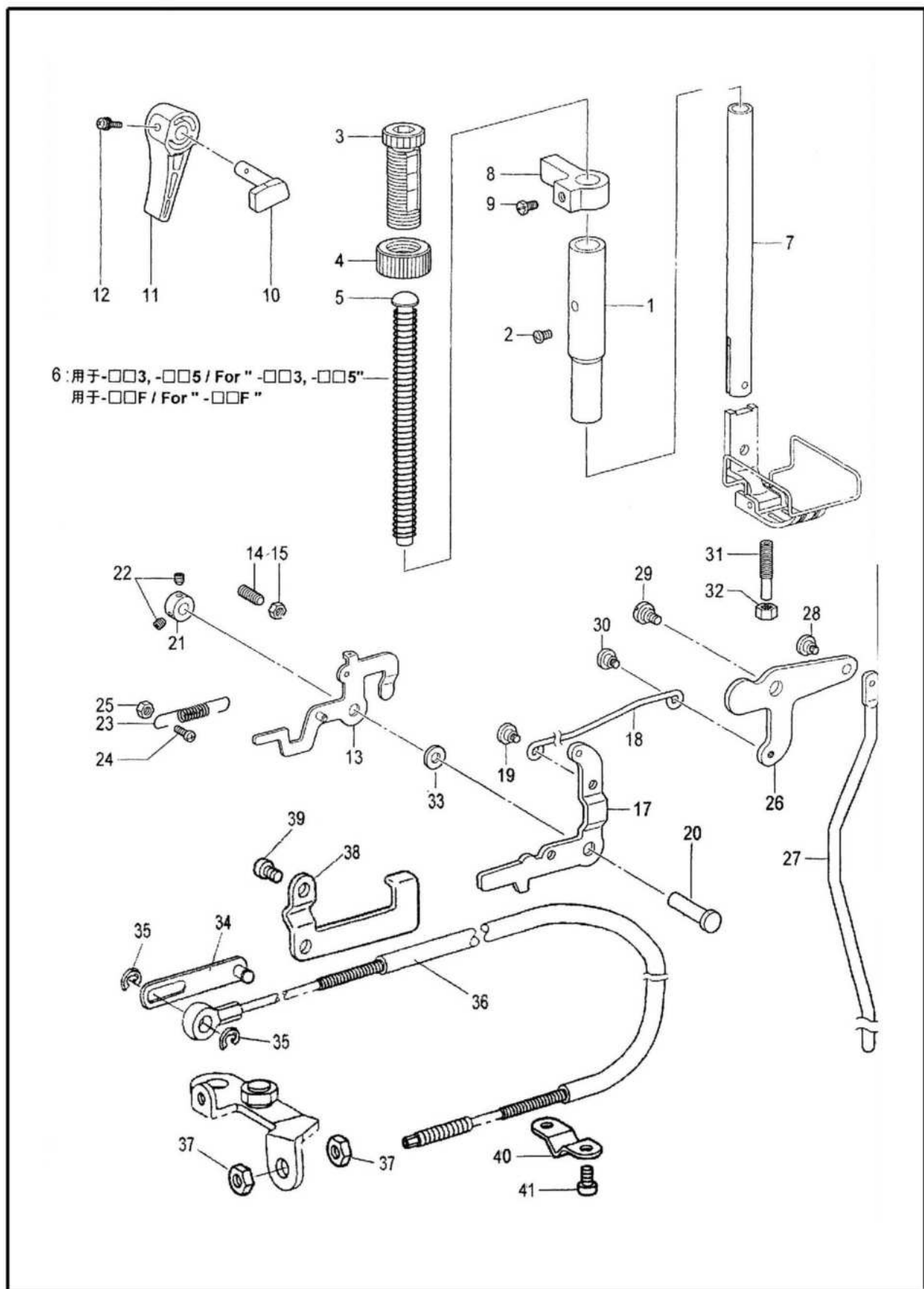
D. 针杆切换操作装置/Needle bar flip-up mechanism (58450, 58750)



D. 针杆切换操作装置/Needle bar flip-up mechanism(58450, 58750)

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12912056	SA4402001	指示板组件	Indication plate assy	1	1	1	
2	12922004	104833001	橡皮塞4.3	Rubber cap, 4.3	2	2	2	
3	12912057	SA5336001	指示板盖	Holder plate cover	1	1	1	
4	S04032	062501016	螺钉M5×14	Screw pan M5×14	2	2	2	
5	12912058	SA4404001	压板	Push lever	1	1	1	
6	129S20006	SA4441001	段螺钉M4	Shoulder screw, M4	2	2	2	
7	12912059	SA4405001	压杆板	Plate, push lever	1	1	1	
8	S04041	062350516	螺钉 M3.5×5	Screw pan M3.5×5	2	2	2	
9	12927017	SA5333001	弹簧	Spring	1	1	1	
10	1291206000	SA4406001	定位杆轴组件	Stop lever shaft assy	1	1	1	
11	11729011	047301842	弹簧销AW3×18	Pin spring roll aw3	1	1	1	
12	129S30004	SA4408001	螺栓L	Stud, L	1	1	1	
13	129S30008	SA4409001	螺栓S	Stud, S	1	1	1	
14	12912061	SA4411101	切换指示板	Flipup holder plate	1	1	1	
15		S18964001	切换指示标签	Label	1	1	1	
16	S04028	062500816	螺钉M5×8	Screw pan M5×8	2	2	2	
17	12903016	SA4412001	轴承导向套	Ball guide bush	1	1	1	
18	12927022	150820001	弹簧	Spring	1	1	1	
19	11724001	071063550	钢珠1/4	Bearing ball	1	1	1	
20	12904007	SA4413001	轴臂	Arm, lever shaft	1	1	1	
21	S05004	062501416	螺钉M5×14	Screw pan M5×14	1	1	1	
22	129S20007	SA5588001	螺钉M4	Shoulder screw, M4	1	1	1	
23	11727007	SA4414001	弹簧	Spring	2	2	2	
24	12912062	SA4415001	滑轴架	Slide shaft bracket	1	1	1	
25	S04028	062500816	螺钉M5×8	Screw pan M5×8	2	2	2	
26	12912063	S07588101	滑动轴	Slide shaft	1	1	1	
27	12912064	SA4416001	支架板	Support plate, slide shaft	1	1	1	
28	12927018	149863001	弹簧	Spring, plate	2	2	2	
29	12903017	SA4417001	紧圈	Set screw collar	3	3	3	
30	S10007	014400432	紧定螺钉M4×4	Set screw, socket (CP) M4×4	5	5	5	
31	129S11004	SA4418001	导向螺钉	Guide screw	1	1	1	

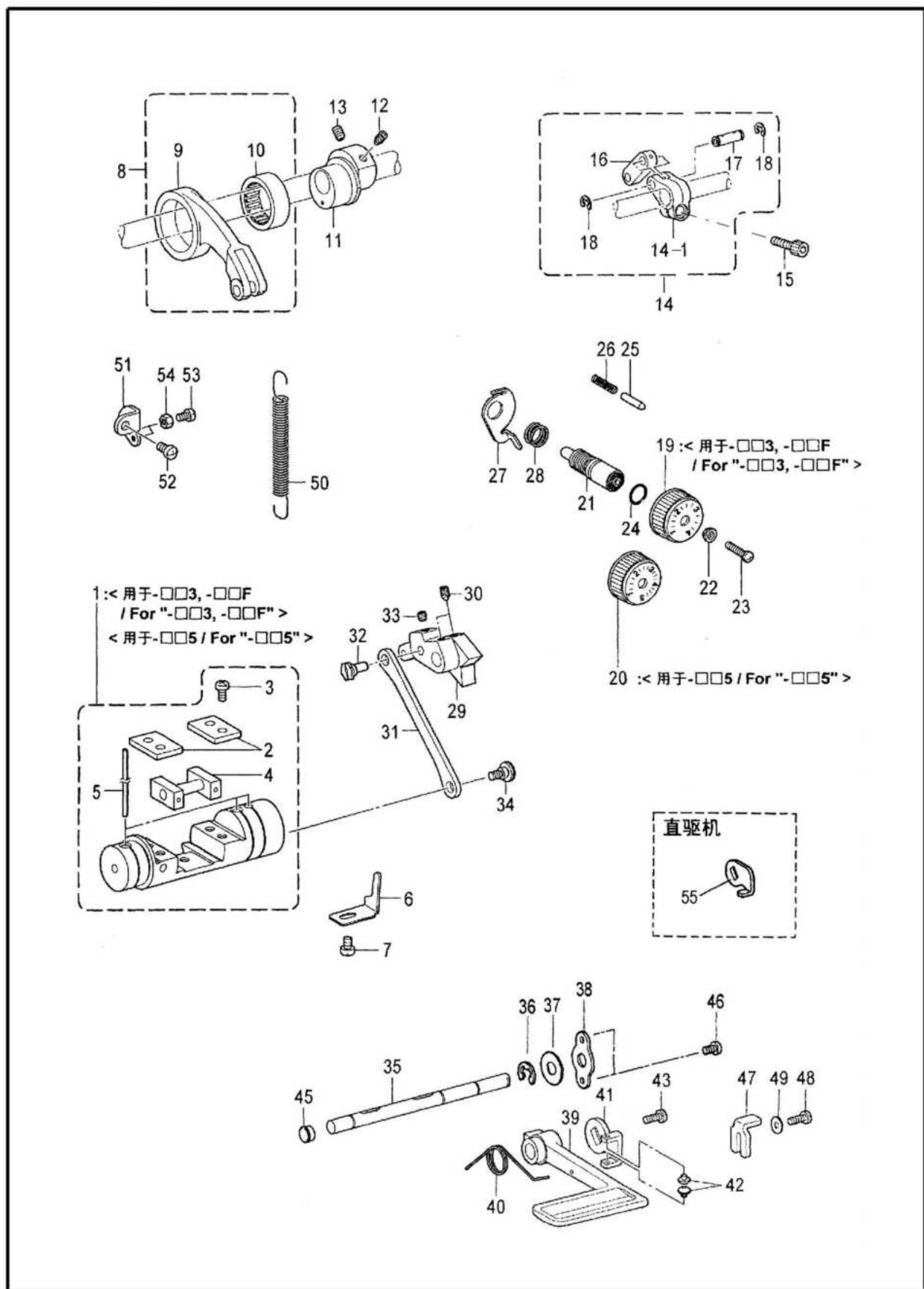
E. 压脚装置/Presser foot mechanism



E.压脚装置/Presser foot mechanism

序号	件号 Part No.	参考件号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12903004	SA2495001	压杆轴套	Presser bar bush	1	1	1	
2	S04028	062500816	螺钉M5×8	Screw, pan M5×8	1	1	1	
3	129S30003	SA1174001	调节螺栓 M14	Presser adjusting screw, M14	1	1	1	
4	129S16001	SA1175001	调节螺母 M14	Presser adjusting nut	1	1	1	
5	12905006	SA7607001	弹簧导杆	Spring guide	1	1	1	
6	11627002	S07346101	压紧弹簧	Presser bar spring, 5	1	1		
6	12927101	S16196001	压紧弹簧	Presser bar spring, F			1	
7	12902004	SA2496001	压紧杆	Presser bar	1	1	1	
8	12905007	SA2498001	压杆抱箍	Guide bracket, PBAR	1	1	1	
9	129S12001	S25289001	螺栓M6×10	Bolt, socket M6×10	1	1	1	
10	12904002	SA2499001	压杆提升曲柄	Presser bar lifting crank	1	1	1	
11	12411003	S31006001	抬压脚扳手	Lifting lever	1	1	1	
12	124S30009	S39051001	螺钉(带垫圈)M3.5	Screw, pan(s/p w) M3.5×12	1	1	1	
13	1291300100	S07353001	松线板组件	Tension release plate assy	1	1	1	
	1291330100	S07351001	松线板组件	Tension release plate assy	1	1	1	直驱/Direct drive
	1291330400	S10780001	松线板组件	Tension release plate assy	1	1	1	选购件
14	S09018	012061832	螺钉M6×18	Set screw, socket(ft)M6×18	1	1	1	
15	N01012	012061832	螺母M6	Nut M6	1	1	1	
17	12912010	SA2501001	抬压脚连杆	Presser bar lifting lever	1	1	1	
	12912340	SA2578001	抬压脚连杆	Presser bar lifting lever	1	1	1	选购件
18	12912011	SA2502001	膝控连杆	Knee lifter connecting rod	1	1	1	
19	129S20001	SA1179001	段螺钉M5	Shoulder screw, M5	1	1	1	
20	11626008	S07349001	压紧杆提升杠杆销	Pbar lifting lever shaft	1	1	1	
21	12908004	SA2504001	紧圈	Set screw, collar	1	1	1	
22	S09019	012500536	螺钉M5×5	Set screw, socket(ft)M5×5	2	2	2	
23	12927002	S07355051	弹簧	Spring e×tension	1	1	1	
24	S04032	062501416	螺钉M5×14	Screw, pan M5×14	1	1	1	
25	N01014	021500106	六角螺母M5	Nut 1 M5	1	1	1	
26	12912012	SA2506001	膝控提升杠杆	Knee lifter lever	1	1	1	
27	12912013	SA2507001	膝控提升杆	Knee lifter bar	1	1	1	
28	129S20001	SA1179001	段螺钉M5	Shoulder screw, M5	1	1	1	
29	129S20002	SA2165001	段螺钉M6	Shoulder screw, M6	1	1	1	
30	129S20001	SA1179001	段螺钉M5	Shoulder screw, M5	1	1	1	
31	129S30006	SA4149101	调整螺钉M6	adjusting screw, M6	1	1	1	
32	N01012	021060306	六角螺母M6	Nut 3 M6	1	1	1	
33	12928016	S07350001	垫圈	Washer, plain	1	1	1	
34	1291230100	S07529001	松线连杆组件	Thread release connecting rod assy	1	1	1	直驱/Direct drive
35	H05002	048030342	挡圈E3	Retaining ring ,E3	2	2	2	直驱/Direct drive
36	12930301	SA2677001	松线电线	Tension release wire	1	1	1	直驱/Direct drive
37	116S16006	110161006	螺母SM4.76	Nut SM4.76	2	2	2	直驱/Direct drive
38	12912302	SA2678001	松线电线夹	Wire holder	1	1	1	直驱/Direct drive
39	S04028	062500816	螺钉M5×8	Screw, pan M5×8	2	2	2	直驱/Direct drive
40	12912303	SA2679001	松线电线夹	Wire holder	1	1	1	直驱/Direct drive
41	S04033	062060816	螺钉M6×8	Screw, pan M6×8	2	2	2	直驱/Direct drive

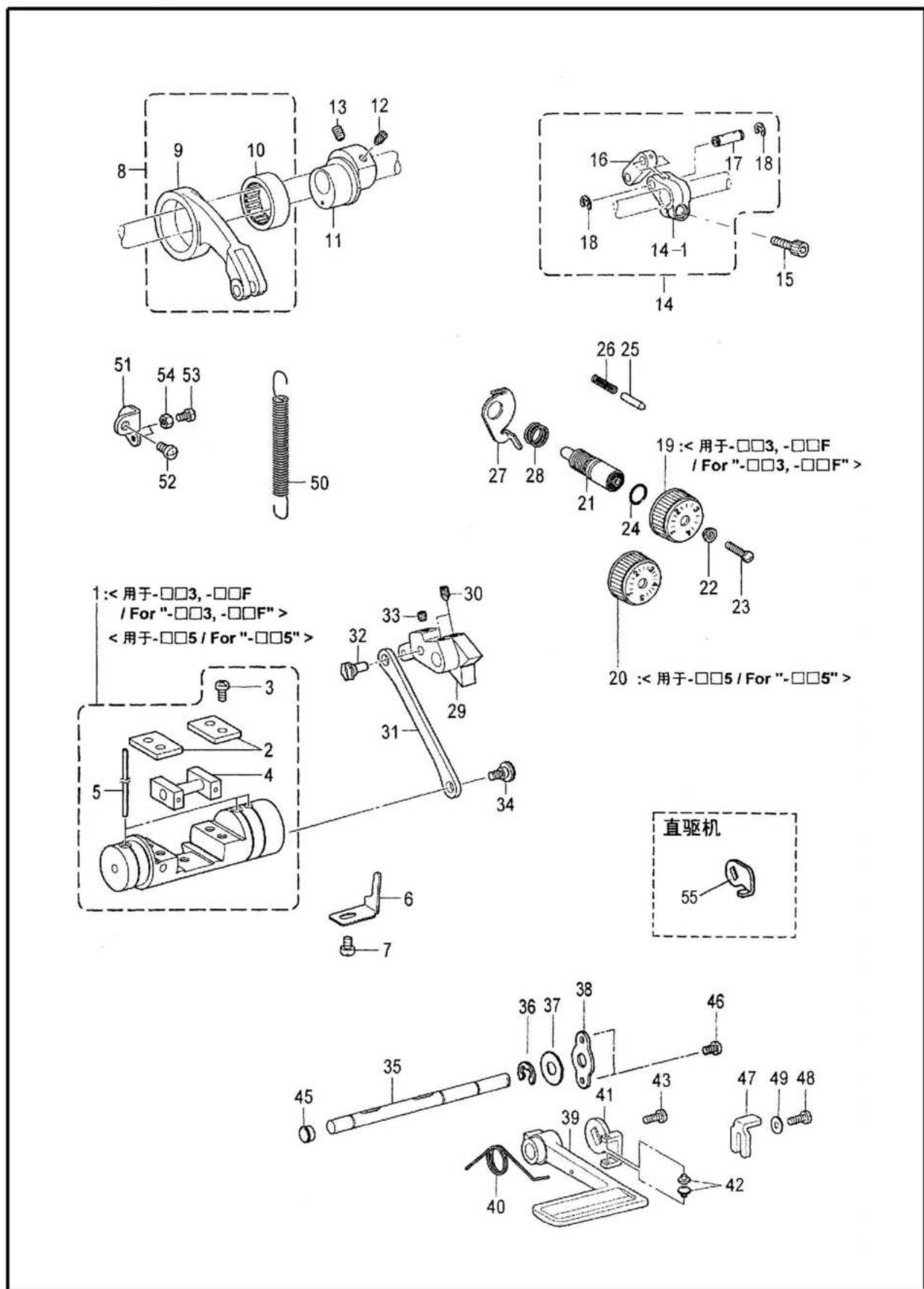
F. 送布装置/Feed mechanism



F.送布装置/Feed mechanism

序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1290200500	SA3062001	切换器11组件	Feed regulator assy, 11	1		1	58420/58420D-4□□
	1290200500	SA3062001	切换器11组件	Feed regulator assy, 11	1	1	1	58720/58750
1	1290200600	SA2509001	切换器组件	Feed regulator assy		1		58420/58420D-4□□
	1290200600	SA2509001	切换器组件	Feed regulator assy	1	1		58450
2	12909003	SA2511001	滑块导向	Guide plate	2	2	2	
3	S04029	062501016	螺钉M5×12	Screw, pan M5×12	4	4	4	
4	12909004	SA2512001	滑块组件	Slide block assy	1	1	1	
5	12923018	SA2515001	油线 4×4 L=150	Wick, 4×4 L=150	1	1	1	
6	12912014	SA2516001	切换器定位	Stopeer	1	1	1	
7	S04033	062060816	螺钉M6×8	Screw, pan M6×8	1	1	1	
8	1290500800	143611201	送布连杆组件	Frocker connecting rod assy	1	1	1	
9	12905009	143612100	送布大连杆	Feed rocker connecting rod	1	1	1	
10	11624002	118954000	滚针轴承	Needle bearing	1	1	1	
11	12910001	SA2518001	送布偏心轮5	Level feed eccentric wheel 5	1	1	1	58420/58450
	12910201	SA2791001	送布偏心轮7	Level feed eccentric wheel 7	1	1	1	58720/58750
12	116S14005		螺钉 SM1/4×40	Set screw SM1/4×40	1	1	1	
13	101S15011		倒送料扳手定位螺钉	Set screw	1	1	1	
14	1290400800		水平送料臂5组件	Feed rocker arm5 assy	1	1	1	58420/58450
	1290400900		水平送料臂7组件	Feed rocker arm7 assy	1	1	1	58720/58750
14-1	12904003	SA2521001	水平送料臂5	Feed rocker arm5	1	1	1	58420/58450
	12904201	SA2793001	水平送料臂7	Feed rocker arm7	1	1	1	58720/58750
15	S05078	018062032	螺栓M6×20	Bolt, socket M6×20	1	1	1	
16	12905010	143613051	送布小连杆	Link	1	1	1	
17	11626010	143616001	送布曲柄轴	Shaft	1	1	1	
18	11629002	048060342	挡圈E6	Retaining ring ,E6	2	2	2	
19	1161100200	S38422001	针距标盘4	Stitch length dial, 4	1		1	58420
20	1161101600	S38427001	针距标盘5	Stitch length dial, 5		1		58420
	1161101600	S38427001	针距标盘5	Stitch length dial, 5	1	1		58450
	1291120100	S38428001	针距标盘7	Stitch length dial, 7	1	1	1	58720/58750
21	129S30007	SA3056001	调节螺栓	Feed regulating stud	1	1	1	
22	11611005	142746002	针距标盘套	Feed regulating supporter	1	1	1	
23	116S11002	129458102	螺钉SM4.76	Screw, SM4. 76	1	1	1	
24	10122016	108549001	O形圈	O Ring	1	1	1	
25	12926008	S50098101	定位销	Positioning pin	1	1	1	
26	12927003	100328001	止动销弹簧	Notch spring	1	1	1	
27	12912016	SA2523001	标盘锁杆	Dial lock lever	1	1	1	
28	12927004	S39830101	弹簧	Spring	1	1	1	
29	12909005	SA2525001	送料调节器 5	Feed regulator 5	1	1	1	58420/58450
	12909201	SA2796001	送料调节器 7	Feed regulator 7	1	1	1	58720/58750
30	S10021	016061031	紧定螺钉 M6×10	Set screw, socket (cn) M6×10	2	2	2	
31	12905011	SA2526001	切换器连杆	Connecting rod	1	1	1	
32	12910002	SA2527001	偏心轴	Eccentric shaft	1	1	1	
33	S10019	012060636	螺钉M6×6	Set screw, socket(ft) M6×6	1	1	1	
34	129S20003	SA2528101	段螺钉M6	Shoulder screw, M6	1	1	1	
35	12902007	SA2529101	倒缝手柄轴 TR	Shaft, Rlever TR	1	1	1	
36	12929003	048080342	挡圈E8	Retaning ring ,E8	1	1	1	
37	11628003	025100132	平垫圈S10	Washer, plain S 10	1	1	1	
38	12912017	SA2530001	垫片	Spacer	1	1	1	
39	301081	S07374109	倒缝扳手	Reverse stitching lever	1	1	1	
40	12927005	SA2531001	弹簧	Spring	1	1	1	
41	12912018	SA3067001	手柄导向	Lever guide	1	1	1	
42	12922002	S48367000	导向橡皮	Rubber	2	2	2	

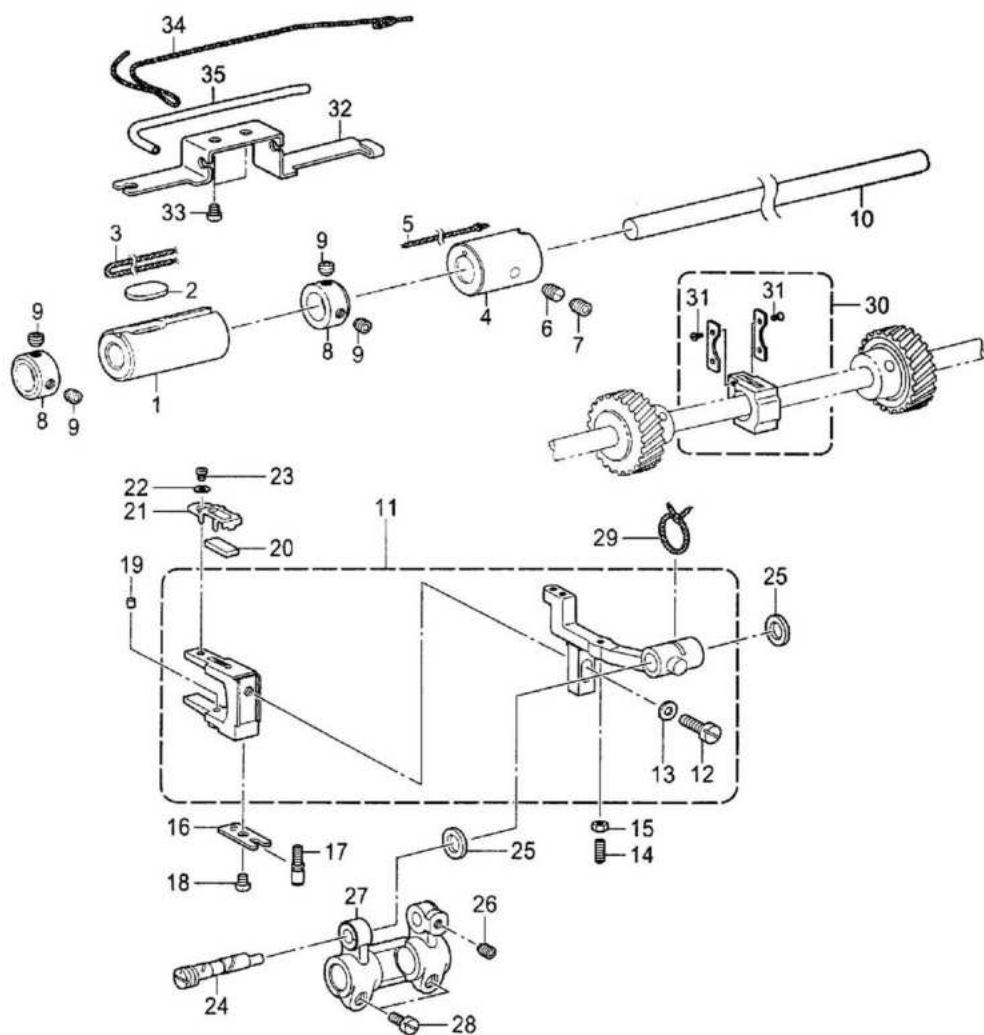
F. 送布装置/Feed mechanism



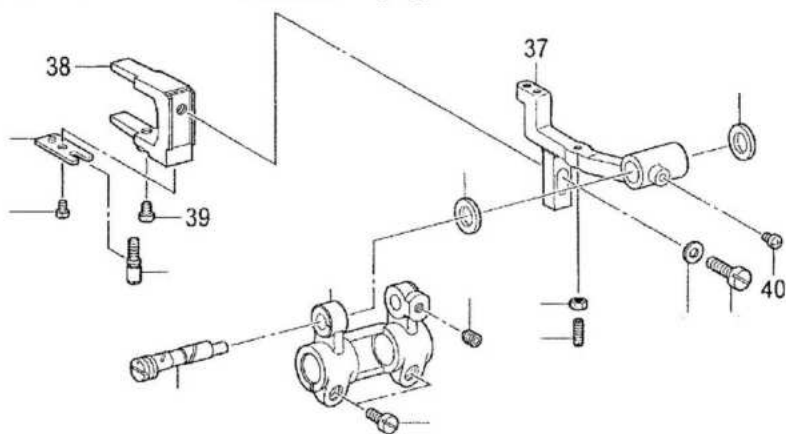
F. 送布装置/Feed mechanism

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
43	129S11001	SA6592001	螺钉M5	Screw, pan M5	1	1	1	
45	40122016	104821001	橡皮塞10.5	Rubber cap, 10.5	1	1	1	
46	S04028	062500816	螺钉M5×8	Screw, pan M5×8	2	2	2	
47	12912019	SA2532001	定位器	Stooper	1	1	1	
48	S04029	062501216	螺钉M5×12	Screw, pan M5×12	1	1	1	
49	12928018	025050236	平垫圈M5	Washer, plain M5	1	1	1	
50	12927006	S07376001	调节器弹簧	Feed regulator spring	1	1	1	
51	12912020	SA2533001	弹簧挂钩	Spring hook	1	1	1	
52	S04038	062060816	螺钉M6×10	Screw, pan M6×10	1	1	1	
53	S04029	062501216	螺钉M5×12	Screw, pan M5×12	1	1	1	
54	N01017	021500106	六角螺母M5	Nut 1 M5	1	1	1	
55	12912304	SA2541001	倒缝扳手板	Reverse stitching lever plate	1	1	1	直驱/Direct drive

H. 送布轴装置/Feed shaft mechanism



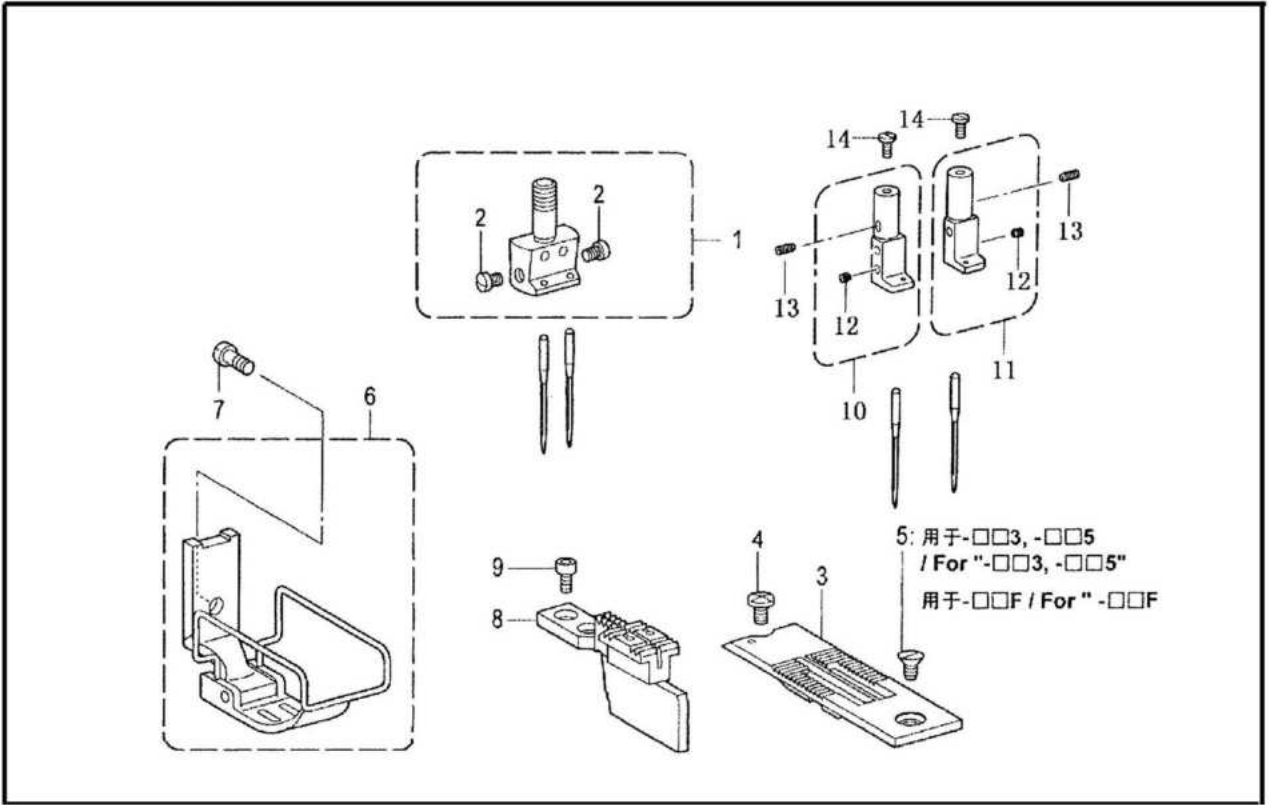
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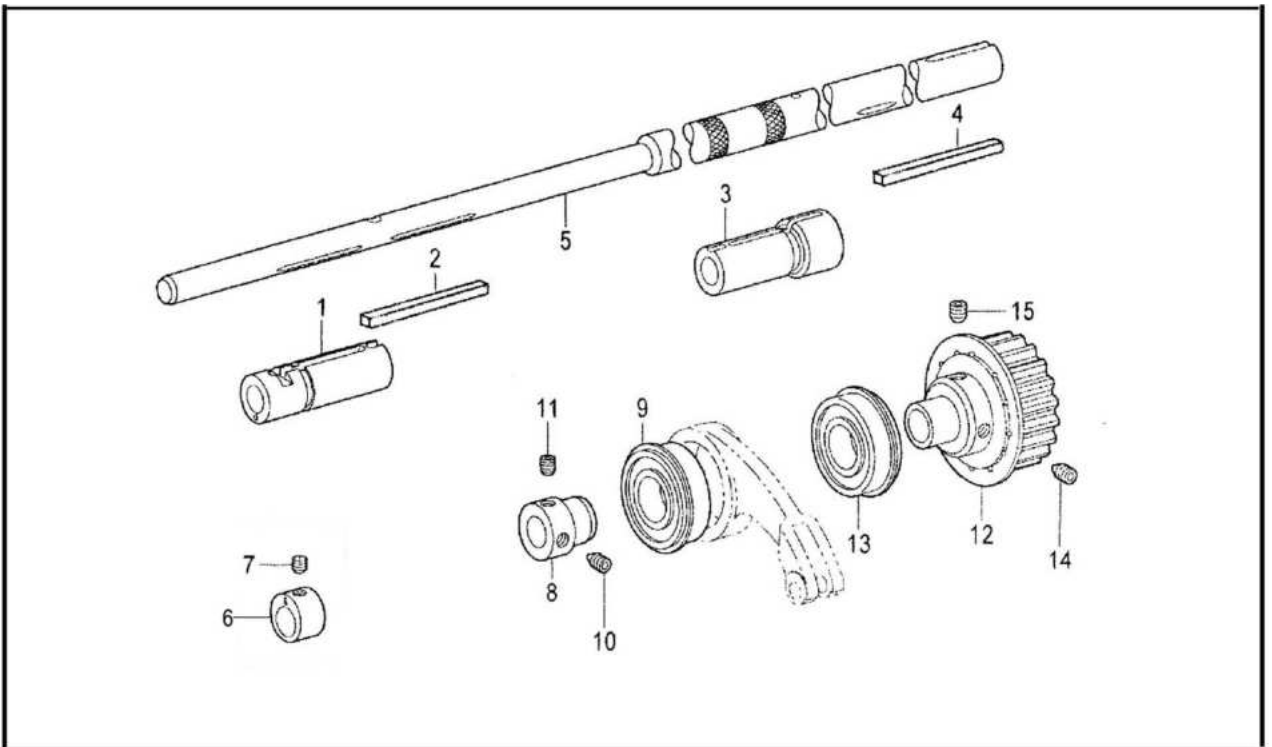
H.送布轴装置/Feed shaft mechanism

序号 Part No.	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12903005	SA3855001	送布轴套L	Bush, l: frocker shaft	1	1	1	
2	12923005	SA3965001	油毡	Felt	1	1	1	
3	12923018	SA4028001	油线 4×4 L=220	Wick, 4×4 L=220	1	1	1	
4	12903006	SA2543001	送布轴套R	Feed rocker shaft bush, R	1	1	1	
5	12923018	108802001	油线 4×4 L=250	Wick, 4×4 L=250	1	1	1	
6	S10022	SA2544001	紧定螺钉 M6×8	Set screw M6×8	1	1	1	
7	S10019	012060636	螺钉M6×6	Set screw, socket (ft) M6×6	1	1	1	
8	12908005	SA2546001	紧圈	Set screw collar	2	2	2	
9	S10018	S23651001	紧定螺钉 M6×6	Set screw, socket (ft) M6×6	4	4	4	
10	12902008	SA3840001	送布轴	Feed rocker shaft	1	1	1	
11	1290700200		送布台叉组件 ST	Feed bar st fork assy	1	1	1	
	1290720100	SA6150101	送布台叉组件 TR	Feed bar tr fork assy	1	1	1	直驱/Direct drive
12	207S11006	SA2927001	螺钉 M6×14	Screw, M6×14	1	1	1	
13	11628005	025060132	平垫圈S6	Washer, plain S 6	1	1	1	
14	S07005	SA2566001	螺钉M3.5×12	Set screw M3.5×12	1	1	1	
15	N01016	021350106	螺母M3.5	Nut 1 M3.5	1	1	1	
16	12912021	SA2553001	开叉板	Forked plate	1	1	1	
17	129S30010	SA2554001	调整螺栓	Adusting screw, hight	1	1	1	
18	S04035	062400616	螺钉M4×6	Screw, pan M4×6	1	1	1	
19	12923006	SA3990001	油毡	Flat	1	1	1	
20	12923007	SA3887001	油毡	Flat	1	1	1	
21	12912022	SA3888001	油毡压架	Flat holder	1	1	1	
22	12928019	025030132	平垫圈S3	Washer, plain S 3	1	1	1	
23	S04036	062300416	螺钉M3×4	Screw, pan M3×4	1	1	1	
24	12910003	SA2550001	送布台安装轴	Feed bar shaft	1	1	1	
25	12928003	SA2551001	轴向垫圈	Thrust ring	2	2	2	
26	S10019	012060636	螺钉M6×6	Set screw, socket (ft) M6×6	1	1	1	
27	12904004	SA2555001	水平送布台臂	Feed rocker base arm	1	1	1	
28	S01059	SA2928001	螺钉M5×13	Screw, M5×13	2	2	2	
29	12923018	SA4538001	油线 4×4 L=180	Wick, 4×4 L=180	1	1	1	
30	1290900600	SA2806001	角滑块组件	Feed bar slide block assy	1	1	1	
31	S02018	SA6308001	螺钉(#0)M2×4	Screw, flat #0 M2×4	4	4	4	
32	12912023	SA4009001	油线支架	Wick support	1	1	1	
33	S04035	062400616	螺钉M4×6	Screw, pan M4×6	2	2	2	
34	12923018	SA2724001	油线4×4 L=400	Wick, 4×4 L=400	1	1	1	
35	12921002	SA4011001	维尼龙油管 L=100	Oil tube, L=100	1	1	1	
37	12907301	SA2754001	送布台ST	Feed bar, st	1	1	1	
38	12905012	SA2552001	送布台叉	Feed bar fork	1	1	1	选购件用于无油型,
39	S04028	062500816	螺钉M5×8	Screw, pan M5×8	1	1	1	option parts for dry
40	S04030	062500616	螺钉M5×6	Screw, pan M5×6	1	1	1	type

J. 定规部件/Gauge parts



N. 下轴装置/Lower shaft mechanism



J. 定规部件/Gauge parts

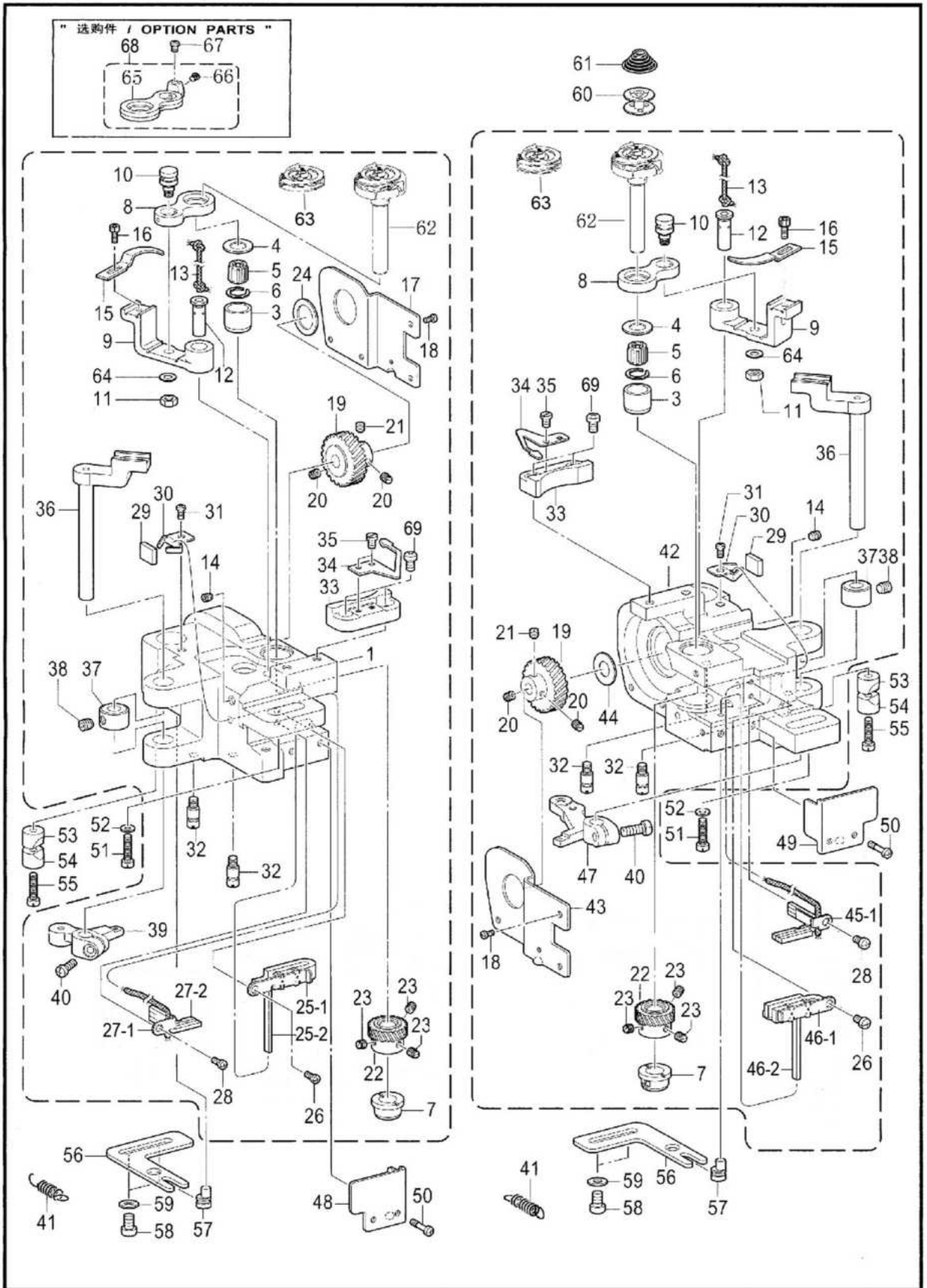
序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	★		针夹组件	Needle clamp assy	1	1	1	58□20□
2	116S11012	116323001	螺钉SM3.57	Screw, SM3. 57	2	2	2	58420/58720
3	★		针板	Needle plate	1	1	1	
4	129S30014	S11244001	针板螺钉SM4.37	Screw, SM4. 37	1	1	1	
5	129S17003	100032004	平头螺钉SM4.37×40	Screw, flat SM4. 37×40×8	1	1	1	
6	★		压脚组件	Presser foot assy	1	1	1	
7	129S11010	113050001	螺钉M3.5	Screw, M3. 5	1	1	1	
8	★		送布牙	Feed dog	1	1	1	
9	129S13002	S07494001	螺钉SM3.18×44×7	Screw, w/socket SM3. 18×44×7	2	2	2	
10	★		针夹组件L	Needle clamp assy, L	1	1		58□50□
11	★		针夹组件R	Needle clamp assy, R	1	1		58□50□
12	129S15006	O13660412	螺钉SM3.18	Screw, SM3. 18	2	2		58450/58750
13	129S15007	S13085001	螺钉SM3.18	Set screw SM3. 18	2	2		58450/58750
14	117S11023	149831101	螺钉SM3.18	Set screw SM3. 18	2	2		58450/58750

★参考针位组零件明细表/★Reference gauge parts list

N. 下轴装置/Lower shaft mechanism

No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12903011	SA3890001	旋梭基座轴套L	Rotary hook base bush, L	1	1	1	
2	12923023	SA4585001	油毡	Felt	1	1	1	
3	12903012	SA3891001	旋梭基座轴套R	Rotary hook base bush, R	1	1	1	
4	12923023	SA4585001	油毡	Felt	1	1	1	
5	12902010	SA2571001	下轴	Lower shaft	1	1	1	
6	12910005	SA2759001	抬压凸轮	F-lifting eccentric wheel assy	1	1	1	
	12910302	SA2580101	上下偏心轮	F-lifting eccentric wheel assy	1	1		直驱/Direct drive
7	S07004	SA2575001	螺钉M6×6	Set screw, (ft)M6×6	1	1	1	
8	12903013	SA2584001	轴承套	Ball bearing bush	1	1	1	
9	B10002	S38707001	球轴承 6004ZZNR	Ball bearing, thrust 6004ZZNR	1	1	1	
10	S10020	SA2585001	固定螺钉M6×10	Set screw, socket(ft)M6×10	1	1	1	
11	S09017	S23651001	螺钉M6×10	Set screw, socket(ft)M6×10	1	1	1	
12	12935004	SA2587101	同步轮D组件	Timing pulley assy, D	1	1	1	
13	B10009	158115001	球轴承 6204ZZNR	Ball bearing, thrust 6204ZZNR	1	1	1	
14	S10020	SA2585001	固定螺钉M6×10	Set screw, socket(ft)M6×10	1	1	1	
15	S10023	SA4213001	固定螺钉M6×10	Set screw, socket(CP)M6×10	1	1	1	

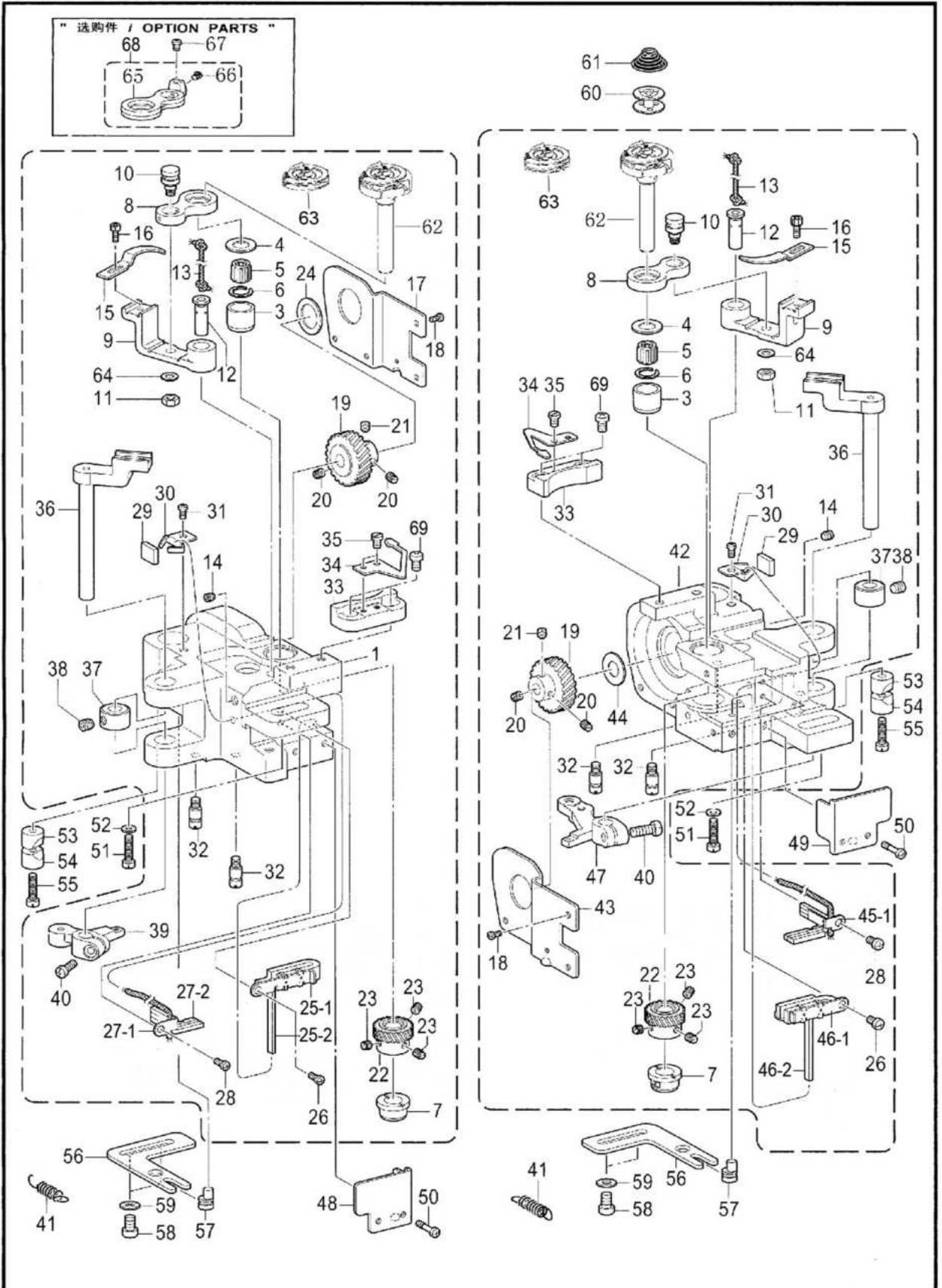
K1. 旋梭装置 / Rotary hook mechanism



K1. 旋梭装置/Rotary hook mechainsm

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12918008	SA2955001	梭架(左)	Rotary hook base(L)	1	1	1	58420/58450
	12918201	SA2959001	梭架(左)	Rotary hook base(L)	1	1	1	58720/58750
	1291830300	SA4435201	梭架(左)组件	Rotary hook base(L) assy	1	1	1	58420D/58450D
	1291830500	SA2797501	梭架(左)组件	Rotary hook base(L) assy	1	1	1	58720D/58750D
3	11603011	SA4029001	旋轴上轴套	Rotary hook shaft bush	2	2	2	58420/58450
	11803001	S09259001	旋轴上轴套	Rotary hook shaft bush	2	2	2	58720/58750
4	12928004	S09260001	轴向垫圈A 1.2MM	Thrust ring, A:1.2MM<t=1.2>	2	2	2	
4	12928005	SA4038001	轴向垫圈1.0MM	Thrust ring<t=1.0>	2	2	2	
4	12928006	S09261001	轴向垫圈B 1.4MM	Thrust ring, B:1.4MM<t=1.4>	2	2	2	
4	12928007	SA4444001	轴向垫圈B 0.8MM	Thrust ring, 0.8MM<t=0.8>	2	2	2	
5	11624004	S07420000	滚针轴承	Needle bearing	2	2	2	
6	11629004	S07419001	梭轴上轴挡圈	Retaining ring	2	2	2	
7	12903008	SA6474001	旋梭轴套D	Rotary hook shaft bush	2	2	2	
8	12905013	SA3856001	分线钩连杆	Opener link	2	2	2	58420/58450
	12905303	SA3857001	分线钩连杆	Opener link	2	2	2	58720/58750
9	12905014	SA3859001	分线钩杆	Opener lever	2	2	2	58420/58450
	12905304	SA3861001	分线钩杆	Opener lever	2	2	2	58720/58750
10	12902009	SA2560001	分线钩连杆轴	Shaft, Olink	2	2	2	
64	12928008	025710132	平垫圈S4.76	Washer, plain S4.76	2	2	2	
11	N01017	021500316	六角螺母M5	Nut3 M5	2	2	2	
12	12926009	SA3889101	分线钩杆短轴	Olever shaft	2	2	2	
13	12923018	SA4026001	油线 4×4 L=100	Wick, 4×4L=100	2	2	2	
14	S09019	012501031	螺钉M5×5	Set screw, socket (ft)M5×5	2	2	2	
15	11612014	S38212001	分线钩	Opener	2	2	2	
16	129S13003	154965001	螺钉SM3. 57×8	Bolt, socket SM3. 75×8	2	2	2	
17	12912024	SA2562201	旋梭基座盖L	Rotary hook base cover, L	1	1	1	
18	S04037	062300612	螺钉M3×6	Screw, pan M3×6	8	8	8	
19	12925003	SA2572001	螺旋齿轮(大)	Spiral gear	2	2	2	
20	S08005	SA2574001	螺钉M6	Set screw, (ft)M6	4	4	4	
21	S07004	SA2575001	螺钉M6	Set screw, (ft)M6	2	2	2	
22	12925004	SA6301001	螺旋齿轮(小)	Spiral gear	2	2	2	
23	S10029	SA2574001	螺钉M6×5	Set screw, (ft)M6×5	6	6	6	
24	12928009	SA3054001	垫圈 L	Thrust washer, L	1	1	1	
25-1	12912055		油毡架	Felt support	1	1	1	
25-2	12923032	SA6424101	油毡	Felt	1	1	1	
26	S04035	062400616	螺钉M4×6	Screw, pan M4×6	2	2	2	
27-1	12912054		油毡架	Felt support	1	1	1	
27-2	12923016	SA4044001	油毡	Felt	1	1	1	
28	S04035	062400616	螺钉M4×6	Screw, pan M4×6	2	2	2	
29	12923008	SA4012001	油毡	Felt	2	2	2	
30	12912027	SA3894001	油毡架	Felt support	2	2	2	
31	S04035	062400616	螺钉M4×6	Screw, pan M4×6	2	2	2	
42	12918009	SA3956001	梭架(右)	Rotary hook base(R)	1	1	1	58420/58450
	12918202	SA3960001	梭架(右)	Rotary hook base(R)	1	1	1	58720/58750
	1291830400	SA4436201	梭架(右)组件	Rotary hook base(R) assy	1	1	1	58420D/58450D
	1291830600	SA2802501	梭架(右)组件	Rotary hook base(R) assy	1	1	1	58720D/58750D
43	12912028	SA2563301	旋梭基座盖R	Rotary hook base cover, R	1	1	1	
44	12928010	SA2579001	垫圈	Specer	1	1	1	
45-1	12912052	SA6425101	油毡架UR	Felt support UR	1	1	1	
46-2	12923015		油毡	Felt	1	1	1	
46-1	12912053	SA4045001	油毡架DR	Felt support DR	1	1	1	
48	12912031	SA6462001	旋梭基座盖FL	Rotary hook base cover, FL	1	1	1	

K1 . 旋梭装置 / Rotary hook mechanism

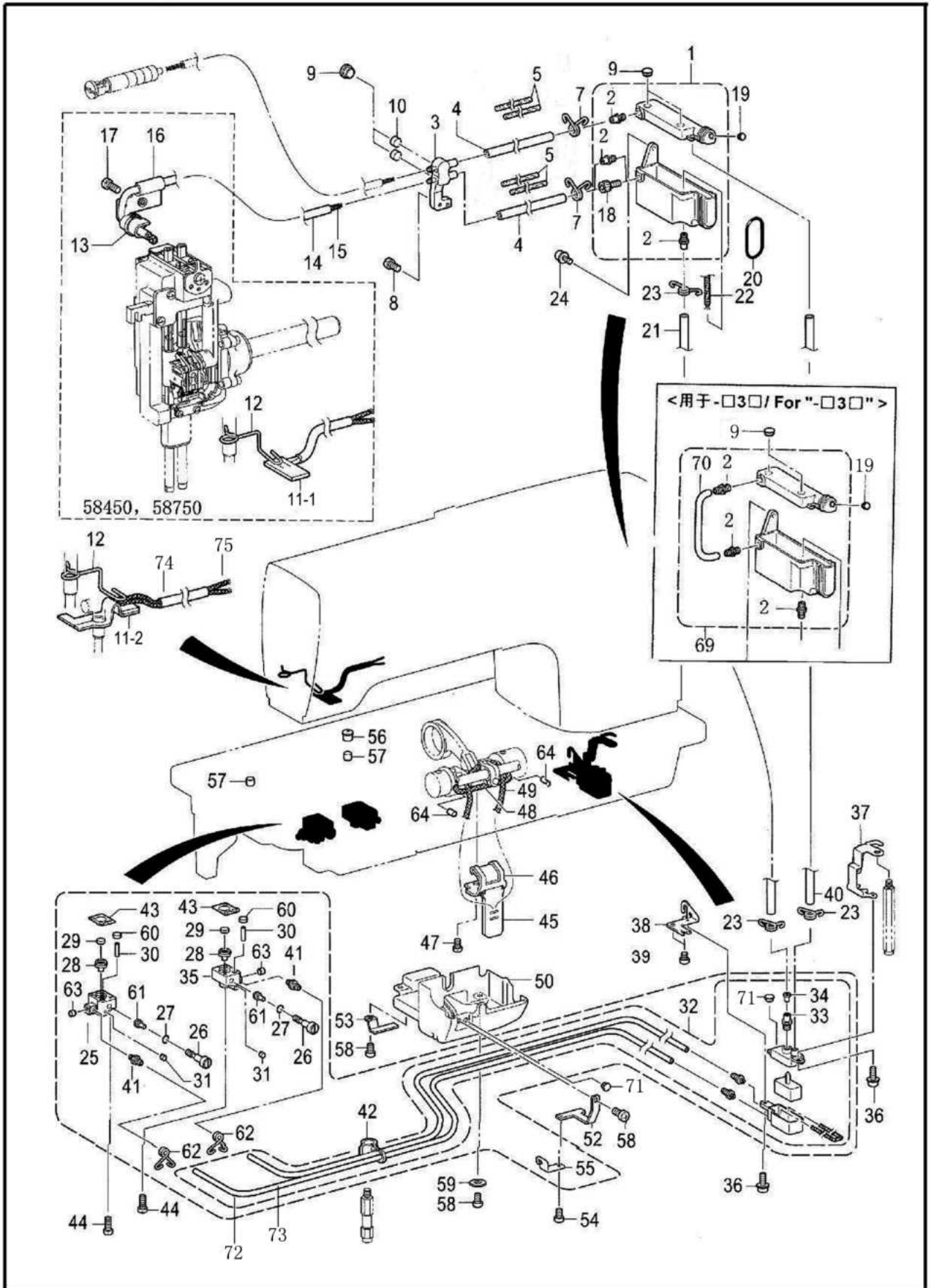


K1. 旋梭装置/Rotary hook mechainsm

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
49	12912032	SA6463001	旋梭底座盖FR	Rotary hook base cover, FR	1	1	1	
50	129S30011	SA6417001	螺钉M4×12	Screw, M4×12	4	4	4	
51	129S11003	SA2556001	螺钉M6×25	Screw, M6×25	2	2	2	
55	129S11003	SA2556001	螺钉M6×25	Screw, M6×25	2	2	2	
52	20628003	115947101	主轴右垫片	Washer, plain 6.35	2	2	2	
53	12903009	SA2722001	套管A	Pinch sleeve A	2	2	2	
54	12903010	SA2565001	套管B	Pinch sleeve B	2	2	2	
56	12912033	SA2567001	调节板	Needle upper positioning plate	2	2	2	
57	12910004	SA2568001	调节轴	Needle upper positioning shaft	2	2	2	
58	S04038	062061016	螺钉M6×10	Screw, pan M6×10	4	4	4	
59	W01003	025060136	平垫圈S6	Washer, plain S6	4	4	4	
60	11618001	S01928151	梭芯	Bobbin	2	2	2	58420/58450
	11818001	S09285051	梭芯	Bobbin	2	2		58720/58750
61	12918022	148602001	调整簧	Bobbin Spring	2	2		58420D/58450D
	12918024	S09286000	梭心座簧	Bobbin Spring	2	2		58720D/58750D
62	1291800600		旋梭组件	Rotary hook assy	2			58420-003
	1291800700		旋梭组件	Rotary hook assy		2		58420-005
	1161800400		旋梭组件(国产)	Rotary hook assy(C)	2	2		58420C
	1171800100		旋梭组件	Rotary hook assy	2	2		58450
	1291802600		旋梭组件(国产)	Rotary hook assy(C)	2	2		58450C
	1181800200		旋梭组件	Rotary hook assy	2	2		58720
	1291802700		旋梭组件(国产)	Rotary hook assy(C)	2	2		58720C
	1291801300		旋梭组件	Rotary hook assy	2	2		58750
	1191800400		旋梭组件(国产)	Rotary hook assy(C)	2	2		58750C
	1291801400		旋梭组件	Rotary hook assy	2	2		58420D
	1291801500		旋梭组件	Rotary hook assy	2	2		58450D
	1291802900		旋梭组件(国产)	Rotary hook assy(C)	2	2		58450CD
	1291802800		旋梭组件(国产)	Rotary hook assy(C)	2	2		-58720CD/58750CD
	1291801600		旋梭组件	Rotary hook assy	2	2		58720D
	1291801700		旋梭组件	Rotary hook assy	2	2		58750D
63	12918029		梭心套(国产)	Bobbin case assy(C)	2	2		58450C
	12918030		梭心套(国产)	Bobbin case assy(C)	2	2		58750C
32	129S20301	SA2717001	定位螺钉	Stopper screw	4	4		直驱/Direct drive
33	12904301	SA2676001	动刀座	Movable knife bracket	2	2		直驱/Direct drive
34	12927301	S07525100	板弹簧	Bobbin thread holding spring	2	2		直驱/Direct drive
35	120S11012	141544001	螺钉SM3. 18×40	Screw SM3. 18×40 L=3	4	4		直驱/Direct drive
36	12904302	SA3912001	动刀杆	Movable knife lever	2	2		直驱/Direct drive
37	12903303	SA2675001	紧圈	Set screw collar	2	2		直驱/Direct drive
38	S10018	S23651001	固定螺钉M6×6	Set screw M6×6	2	2		直驱/Direct drive
39	12912305	SA2671001	切线杠杆 L	Thread trimming lever L	1	1		直驱/Direct drive
47	12912306	SA2670101	切线杠杆 R	Thread trimming lever R	1	1		直驱/Direct drive
40	S05005	062501212	螺钉M5×12	Screw, pan M5×12	2	2		直驱/Direct drive
41	12927302	SA2826001	弹簧	Spring		2		直驱/Direct drive
	12927307	SA4458001	弹簧B	Spring B	2			直驱/Direct drive
69	S04011	062400812	螺钉M4×8	Screw M4×8	4	4		直驱/Direct drive
68	1290550200		分线钩连杆组件	Opener link assy	2	2		选购件用于无油型, option parts for dry type
65	12905503		分线钩连杆	Opener link	2	2		
66	129S11501		螺钉M2	Screw M2	2	2		
67	S04021		螺钉M4×4	Screw, pan M4×4	2	2		

※序号1和42, 直驱以组件方式供货; C表示国产旋梭

L. 供油润滑装置/Lubrication



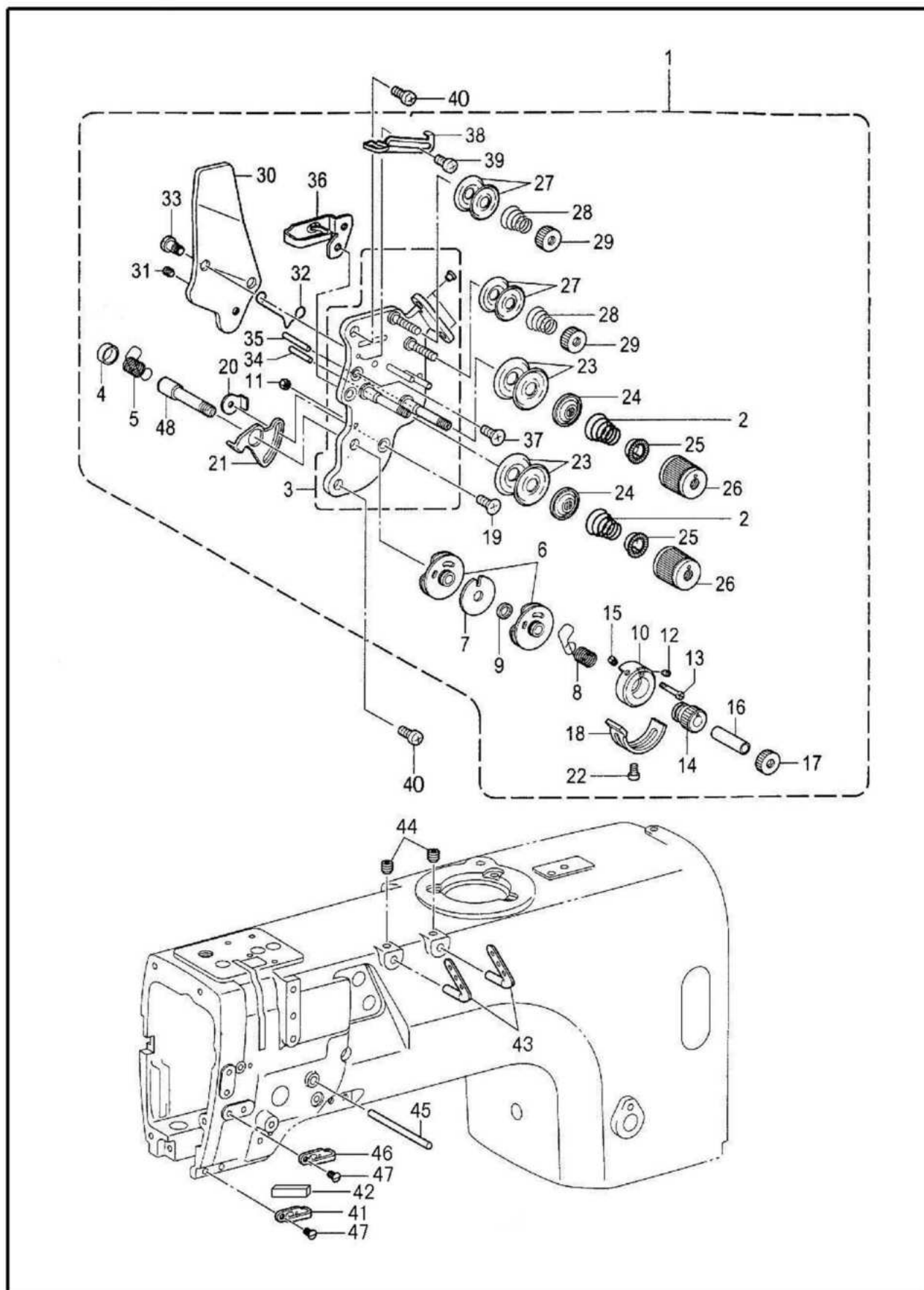
L.供油润滑装置/Lubrication

序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12911004	SA4205101	油罐组件	Oil tank assy	1	1	1	
2	129S30009	SA3040001	供油口 8.6	Oil feeding pipe, 8.6	2	2	2	58420/58720
	129S30009	SA3040001	供油口 8.6	Oil feeding pipe, 8.6	4	4	4	58450/58750
3	12936002	SA3946001	油管接头	Oil terminal	1	1	1	
4	12921006	SA2956001	维尼龙油管L=135	Oil tube, L=135	1	1	1	
	12921006	SA2956001	维尼龙油管L=135	Oil tube, L=135	2	2	2	58450/58750
5	12923009	SA2957001	油毡	Felt	2	2	2	
	12923009	SA2957001	油毡	Felt	4	4	4	58450/58750
7	12912038	SA3055101	油管夹	Tube clip	4	4	4	
8	S04028	062500816	螺钉M5×8	Screw, pan M5×8	1	1	1	
9	12922001	SA2929001	橡皮塞12.5	Rubber cap, 12.5	3	3	3	
	12922001	SA2929001	橡皮塞12.5	Rubber cap, 12.5	4	4	4	58450/58750
10	12923010	S38266000	油毡	Rotary hook shaft felt	1	1	1	
	12923010	S38266000	油毡	Rotary hook shaft felt	2	2	2	58450/58750
11-1	12923035		油毡块	Felt assy	1	1	1	
11-2	12923036		油毡垫	Felt assy	1	1	1	58420/58720
12	12912035	SA4033101	油毡压架	Felt support	1	1	1	
13	61910003		尼龙扎带3×80		2	2	2	
14	12921002		油管L=280	Tube L=280	1	1	1	58450/58750
15	12923018		油线 4×4 L=380	Wick, 4×4 L=380	1	1	1	
16	12912065	SA5154001	油管支架	Tube support	1	1	1	58450/58750
17	S04028		螺钉M5×8	Screw, pan M5×8	1	1	1	58450/58750
18	S05079	018081236	螺栓M8×12	Bolt, socket M8×12	1	1	1	58420/58720
19	41222006	104450101	橡皮塞8	Rubber cap, 8	1	1	1	
20	12922013	081038070	O形圈P38	O ring P38	1	1	1	
21	12921006	SA2723001	维尼龙油管L=210	Oil tube, L=210	1	1	1	
22	12923019	SA2724001	油线L=400	Wick, L=400	1	1	1	
23	12912038	SA3055101	油管夹	Tube clip	3	3	3	
24	129S30016	0A5501006	螺栓(带垫圈)M5	Screw, pan(S/P washer)M5×10	2	2	2	
25	12901007	SA3896001	集油器L	Oil block, L	1	1	1	
26	129S20004	SA6475001	油量调整螺栓	Oil adjusting screw	2	2	2	
27	001004	081004070	O形圈P4	O ring P4	2	2	2	
28	12922007	SA6468001	橡皮垫片	Rubber packing	2	2	2	
29	12922008	SA6423001	旋梭轴垫片	Rotary hook shaft felt	2	2	2	
30	12923012	SA6415001	油毡	Felt	2	2	2	
31	12922016	142274101	橡皮塞4.3	Rubber cap, 4.3	2	2	2	
32	12911005	SA3037001	副油罐组件	Subtank assy	1	1	1	
33	12936004	SA3040001	供油口 8.6	Oil feeding pipe	1	1	1	
34	12922010	SA3060001	油门垫片	Valve packing	1	1	1	
35	12901008	SA3898001	集油器R	Oil block, R	1	1	1	
36	129S30017	0A4400806	螺栓(带垫圈)M4	Screw, pan(S/P washer)M4×8	2	2	2	
37	12912036	SA3045201	副油罐安装架A	Subtank setting plate, A	1	1	1	
38	12912037	SA3046001	副油罐安装架B	Subtank setting plate, B	1	1	1	
39	S04033	062060816	螺钉M6×8	Screw, pan M6×8	2	2	2	
40	12921006	SA3044001	维尼龙油管L=242	Oil tube, L=242	1	1	1	
41	12936003	S51815001	油嘴管3.8	Oil feeding pipe, 3.8	4	4	4	
42	12911006	SA6472001	油管固定夹	Tube support	1	1	1	
43	12928011	SA3923101	旋梭台D垫片	Rotary hook base D packing	2	2	2	
44	S04039	062401616	螺钉M4×16	Screw, pan M4×16	4	4	4	
45	12923014	SA2604001	油毡	Feed regulator felt	1	1	1	
46	12912039	SA2605001	油毡压架	Felt support	1	1	1	

L.供油润滑装置/Lubrication

序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
47	S04030	062500616	螺钉M5×6	Screw, pan M5×6	1	1	1	
48	12923018	109405001	油线 4×4 L=100	Wick, 4×4 L=100	1	1	1	
49	12923018	108801001	油线 4×4 L=350	Wick, 4×4 L=350	1	1	1	
50	12911007	SA2606101	油盖	Oil cover	1	1	1	
52	12912040	SA3048101	油管压架A	Tube support, A	1	1	1	
53	12912041	SA3049001	油管压架B	Tube support, B	1	1	1	
54	S04035	062400616	螺钉M4×6	Screw, pan M4×6	1	1	1	
55	12912042	SA6473001	油管导向	Tube guide	1	1	1	
56	12922012	140890009	油盖	Oil cap	1	1	1	
57	12923030	112753001	油毡	Felt	2	2	2	
58	S04038	062061016	螺钉M6×10	Screw, pan M6×10	3	3	3	
59	W01003	025060236	平垫圈M6	Washer, plain M6	1	1	1	
60	12923037	SA6423001	旋梭轴油毡	Rotary hook shaft felt	2	2	2	
61	12926013	SA6416001	油量调节销	Rubber presser	2	2	2	
62	12927020	SA4508001	油管夹	Tube clip	4	4	4	
63	12922009	140327001	橡皮塞6.3	Rubber cap, 6.3	2	2	2	
64	12923012	148743001	油毡	Felt	2	2	2	
70	12921006	SA3949001	维尼龙油管L=50	Oil tube, L=50	1	1	1	用于□3□, For□ 3□
71	12922006		橡胶塞8	Rubber cap, 8	2	2	2	
72	12921005		油管 L=480	Tube L=480	1	1	1	
73	12921005		油管 L=400	Tube L=400	1	1	1	
74	12923050		油毡	Felt L=1000	1	1	1	
75	12921006		油管 L=130	Tube L=130	1	1	1	
76	12923019		油线 L=1200	Wick, 6×6 L=1200	1	1	1	

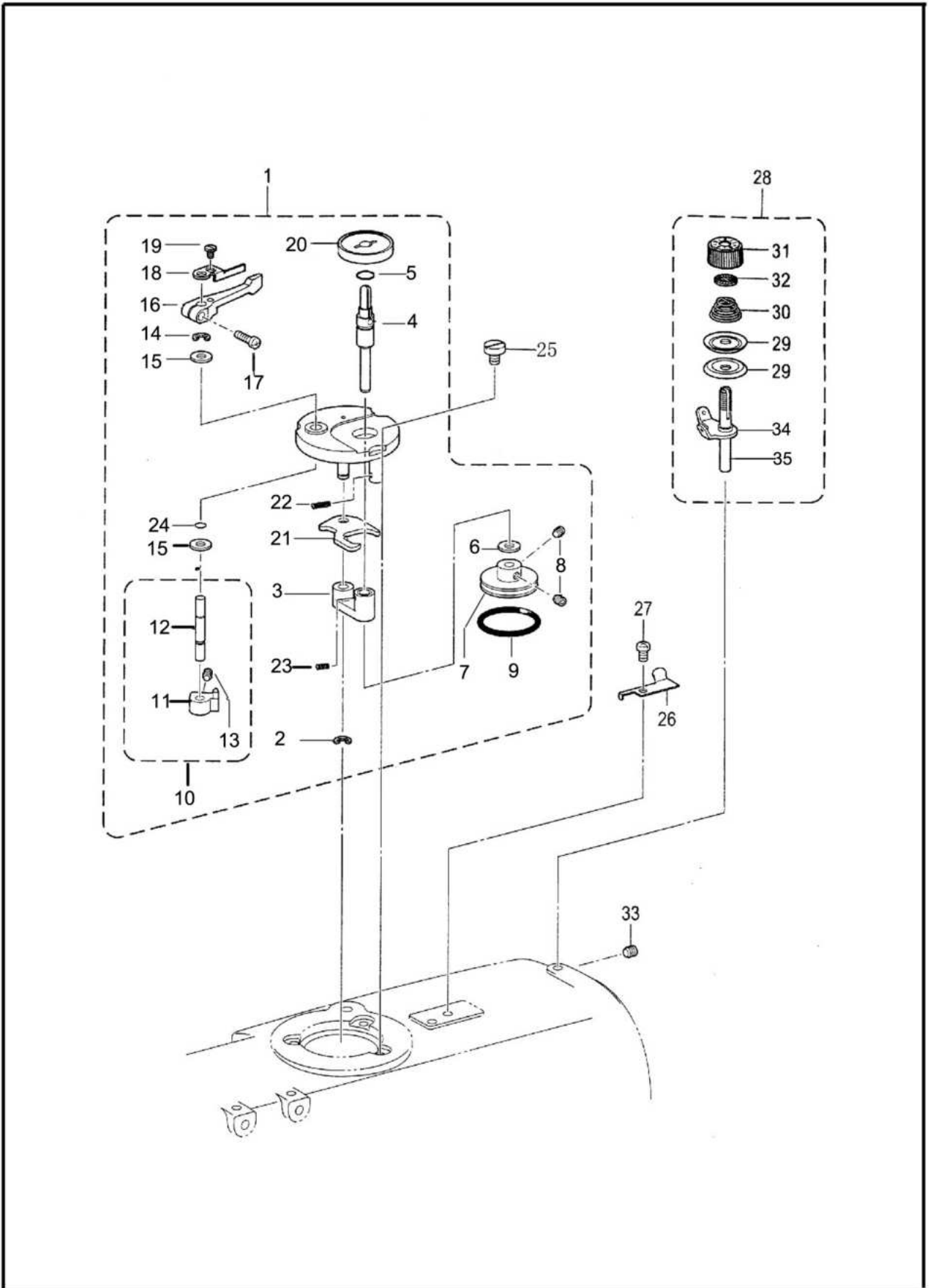
M. 穿线装置/Threading mechanism



M 穿线装置/Thread Mechanism

序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1291300300	SA3417301	面线调节组件3	Upper Thread Tension Assy, 3	1			
2	12927008	SA3415001	夹线弹簧-3	Tension Spring, L	2			
1	1291300400	SA2607301	面线调节组件5	Upper Thread Tension Assy, 5		1		
2	12927009	SA3416101	夹线弹簧-5	Tension Spring, LL		2		
1	1291301200	SA2818001	面线调节组件1	Upper Thread Tension Assy, 1			1	
2	12927021	SA3414001	弹簧M	Tension Spring, M			2	
3	12912043	SA4212001	调整台组件	Tension Plate Assy	1	1	1	
4	12922020	SA6378001	盖子	Cap	1	1	1	
5	12927010	SA2614201	弹簧L	Thread Takeup Spring, L	1	1	1	
6	1291300500	SA2615001	导向组件	Guide Assy, T/Takeup Spring	2	2	2	
7	12928035	SA2619001	垫片	Spacer	1	1	1	
8	12927011	SA2623201	弹簧R	Thread Takeup Spring, R	1	1	1	
9	12903014	SA2620001	轴套	Collar	1	1	1	
10	12908006	SA2621001	定位圈	Stopper Support	1	1	1	
11	N01013	021300106	螺母M3	Nut, 1M3	1	1	1	
12	129S15030	SA2626001	螺钉M3.5	Set screw, (cp)M3.5	1	1	1	
13	129S11008	SA2624001	固定螺栓	Spring guide set screw	1	1	1	
14	12913022	SA2625001	调节旋钮	Adujusting thumb	1	1	1	
15	129S15030	SA2626001	螺钉M3.5	Set screw, (cp)M3.5	1	1	1	
16	12903015	SA2627001	轴套	Collar	1	1	1	
17	129S30044	SA2628001	调线螺母	Tension nut	1	1	1	
18	12912044	SA2629001	弹簧限位板	Stopper	1	1	1	
19	129S17004	061350616	螺钉M3.5×6	Screw, flat M3.5×6	1	1	1	
20	12912084	SA2824001	定位螺母M3.5	Nut, whirlstop M3.5	1	1	1	
21	12912045	SA2630001	限位板	Stopper	1	1	1	
22	129S30026	062350512	螺钉M3.5×5	Screw, pan M3.5×5	1	1	1	
23	12913007	145446001	夹线盘	Disc, tension	4	4	4	
24	12913008	159805001	夹线压盘	Tension disc presser	2	2	2	
25	12911008	S20681000	调节弹簧垫圈	Washer	2	2	2	
26	129S30019	S20682105	调节螺母	Tension nut	2	2	2	
27	12928036	144504001	小夹线垫片	Thread guide disc	4	4	4	
28	12927012	154560101	小夹线弹簧A	Pretension spring, A	2	2	2	
29	129S30012	155510001	夹线螺母	Tension nut	2	2	2	
30	12913009	SA2632001	松线板	Tension releade plate	1	1	1	
31	S09019	012500536	螺钉M5×5	Set screw, socket(ft)M5×5	1	1	1	
32	12927013	S38274001	松线弹簧	Treleadw spring	1	1	1	
33	129S30023	SA2633001	段螺钉M3.5	Shoulder screw, M3.5	2	2	2	
34	12926011	SA4506001	松线销L	Tension release pin, L	1	1	1	
35	12926012	SA4507001	松线销R	Tension release pin, R	1	1	1	
36	12912046	SA2634001	线导向U	Thread guide, U:arm	1	1	1	
37	129S17004	061350616	螺钉M3.5×6	Screw, flat M3.5×6	2	2	2	
38	12912047	SA2635001	线调整	Thread quantity adjust	1	1	1	
39	129S30027	062300616	螺钉M3×6	Screw, pan M3×6	1	1	1	
41	12912048	SA2639001	线导向D	Thread guide, D:arm	1	1	1	
42	11623022	114941001	过线钩毡	Felt	1	1	1	
40	S04028	062500816	螺钉M5×8	Screw, pan M5×8	2	2	2	
43	12913010	SA2636001	三眼线勾	Thread retainer	2	2	2	
44	S10019	012060636	螺钉M6×6	Set screw, socket(ft)M6×6	2	2	2	
45	12902011	SA2637001	松线轴	Bar, tension release	1	1	1	
46	12912049	SA2638001	线导向M	Thread guide, M:arm	1	1	1	
47	129S17002	SA2640001	螺钉M5×8	Screw, flat M5×8	2	2	2	
48	12926010	SA2613001	调整短轴	Tension Stud	1	1	1	

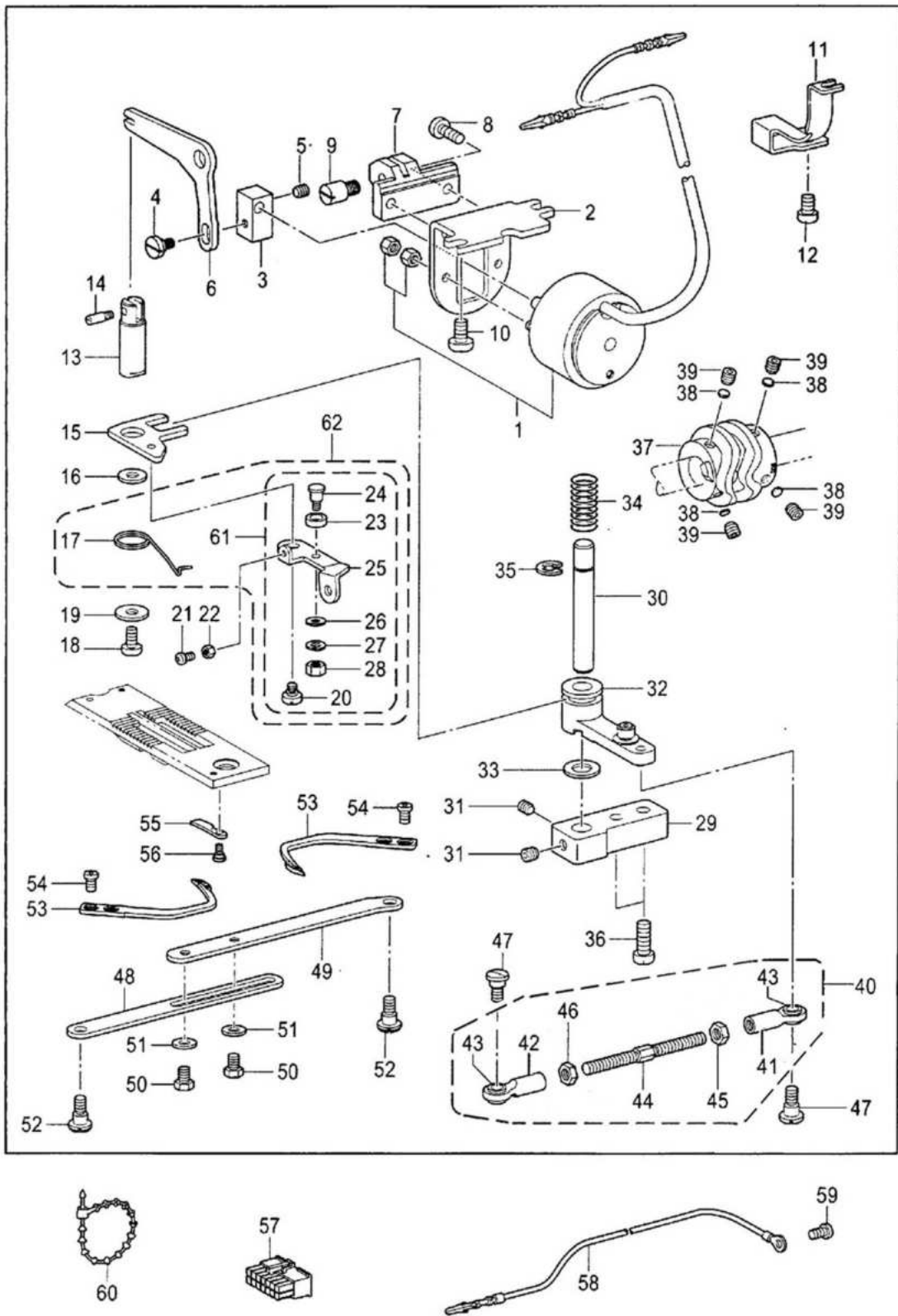
P. 卷线装置/Bobbin winder mechanism



P. 卷线装置/Bobbin winder mechanism

序号 No	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1293100300	SA1971101	卷线器组件	Bobbin Winder Unit	1	1	1	
2	H05012	048040342	挡圈E4	Retaining Ring, E4	1	1	1	
3	1290100500	SA1975001	卷线轴基座	B-Winder Shaft Support Assy	1	1	1	
4	12902012	SA1978001	绕线轴	Bobbin Winder Shaft	1	1	1	
5	001008	081009070	O形圈P9	O Ring, P9	1	1	1	
6	12928022	025060136	平垫圈S6	Washer, Plain S6	1	1	1	
7	12935005	SA1980001	卷线轮	Bobbin Winder Wheel	1	1	1	
8	S09019	012500536	螺钉M5×5	Set Screw, Socker (FT) M5×5	2	2	2	
9	12922014	S25789000	橡皮垫圈29	Rubber Ring, 29	1	1	1	
10	1291000600	SA1981101	梭芯夹凸轮组件	Bobbin Presser Cam Assy	1	1	1	
11	12910007	SA1982101	梭芯夹凸轮	Bobbin Presser Cam	1	1	1	
12	12902013	SA1983001	梭芯夹轴	Bobbin Winder Arm Shaft	1	1	1	
13	S09019	012500536	螺钉M5×5	Set Screw, Socker (FT) M5×5	1	1	1	
14	H05012	048040342	挡圈E4	Retaining Ring, E4	1	1	1	
15	12928022	025060136	平垫圈S6	Washer, Plain S6	2	2	2	
16	12904005	SA1984001	梭芯压臂柄	Bobbin Presser Arm	1	1	1	
17	S05231	062401216	螺钉M4×12	Screw, Pan M4×12	1	1	1	
18	12912050	SA1985001	梭芯夹	Bobbin Presser	1	1	1	
19	129S11007	S23418002	螺钉M4×5	Screw, M4×5	1	1	1	
20	12911009	SA1988001	梭芯座	Bobbin Support	1	1	1	
21	12912051	SA1989001	卷线杠杆	Bobbin Winder Lever	1	1	1	
22	12927014	SA1990101	弹簧	Spring	1	1	1	
23	12927015	SA1991001	弹簧	Bobbin Winder Base Spring	1	1	1	
24	12922030	SA2190001	O形密封圈	O Ring	1	1	1	
25	129S11006	SA1992101	固定螺钉	Bobbin Winder Fixed Screw	3	3	3	
26	12919001	SA1360101	切刀	Knife	1	1	1	
27	S04030	062500616	螺钉M5×6	Screw, Pan M5×6	1	1	1	
28	1291301100	SA1994101	卷线器夹线组件	Bobbin Winder Tension Assy	1	1	1	
29	12913007	145446002	夹线盘	Disc, Tension	2	2	2	
30	12927016	100401022	夹线弹簧	Tension Spring	1	1	1	
31	129S30013	S31032001	压线螺母	Tension Nut	1	1	1	
32	12928014	S12441001	止动垫圈	Washer	1	1	1	
33	S09019	012500536	螺钉M5×5	Set Screw, Socker (FT) M5×5	1	1	1	
34	12913014		过线板	Song Line board	1	1	1	
35	12913023		夹线器轴	Folder spool	1	1	1	

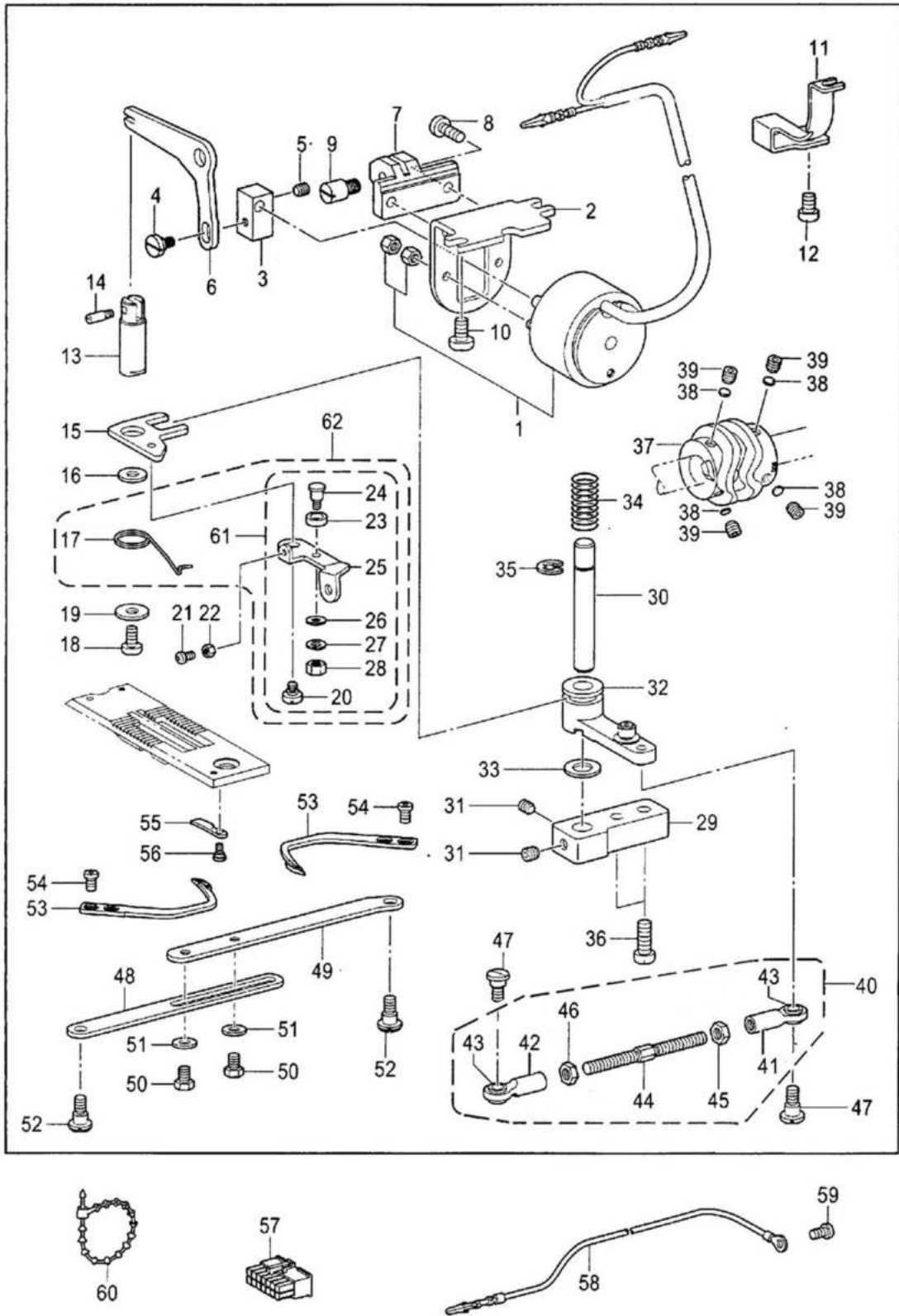
Q. 切线装置/Thread trimmer mechanism



Q. 切线机构 D4 /Thread trimmer mechanism D4

序号	件号 Part No.	参考件号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1293030200	SA2642001	切线电磁铁组件	Thread trimmer solenoid assy.	1	1	1	
2	12912307	SA2643001	切线电磁铁架	Thread trimmer solenoid bracket	1	1	1	
3	12908301	SA2644001	电磁铁接头	Thread trimming solenoid joint	1	1	1	
4	129S20302	SA2645001	段螺钉M5	Shoulder screw, M5	1	1	1	
5	S09019	012500536	螺钉M5×5	Set Screw, Socker (FT) M5×5	1	1	1	
6	12912308	SA2646001	电磁铁杆	Solenoid lever	1	1	1	
7	12901302	SA2728001	电磁铁杆支撑架	Solenoid lever bracket	1	1	1	
8	S04029	062501016	螺钉M5×12	Screw, pan M5×12	2	2	2	
9	129S20303	SA2647001	电磁铁杆短轴	Solenoid lever stud	1	1	1	
10	S04038	062061016	螺钉M6×10	Screw, pan M6×10	2	2	2	
11	12912309	SA2648001	线夹	Fastening band	1	1	1	
12	S04033	062060816	螺钉M6×8	Screw, pan M6×8	1	1	1	
13	12926301	SA2651001	切线轴	Thread trimming driving rod	1	1	1	
14	120S11010	148546001	销	Plunge pin	1	1	1	
15	12912310	SA2652101	切线轴板	Connecting plate	1	1	1	
16	12928301	SA2860001	垫圈	Washer	1	1	1	
17	12927303	SA6395001	弹簧	Spring	1	1	1	
18	S04029	062501016	螺钉M5×12	Screw, pan M5×12	1	1	1	
19	12928302	116662003	垫圈	Washer	1	1	1	
20	129S20304	SA2655001	段螺钉M4	Shoulder screw, M4	1	1	1	
21	S04056	062351216	螺钉M3.5×12	Screw, pan M3.5×12	1	1	1	
22	N01016	021350106	螺母M3.5	Nut M3.5	1	1	1	
23	12903307	SA6392001	松线滚轮	Roller	1	1	1	
24	129S20306	SA6393001	滚轮轴	Roller	1	1	1	
25	12912332	SA6394001	松线杆	Tension release lever	1	1	1	
26	W01004	113431002	垫圈	Washer ,plain	1	1	1	
27	W02001	028050246	弹簧垫圈2-5	Washer spring 2-5	1	1	1	
28	N01014	021500106	六角螺母M5	Nut 1 M5	1	1	1	
29	12912312	SA2657001	主杆轴架	Knife main lever shaft bracket	1	1	1	
30	12902302	SA2658001	主杆轴	Knife main lever shaft	1	1	1	
31	S10019	012060636	螺钉M6×6	Screw, pan M6×6	2	2	2	
32	1290130300	SA2659001	主杆组件	Knife main lever assy	1	1	1	
33	12928023	148559100	橡胶垫圈	Rubber cushion	1	1	1	
34	12027001	S07509001	弹簧	Spring	1	1	1	
35	H05008	048070342	挡圈E8	Retaining ring ,E8	1	1	1	
36	S04031	062061616	螺钉M6×16	Screw, pan M6×16	2	2	2	
37	12910301	SA2661001	切线凸轮	Thread trimming cam	1	1	1	
38	12928303	SA2378001	垫片4.8	Washer 4.8	4	4	4	
39	S09017	S25236001	螺钉M6×10	Screw, pan M6×10	4	4	4	
40	1293030400		长度调节连杆组件	Joint assy	1	1	1	
41	12905301	SA2663001	球接连杆组件 R	Ball joint assy R	1	1	1	
42	12905302	SA2665001	球接连杆组件 L	Ball joint assy L	1	1	1	
43	12903308	141331002	管套	Bush	2	2	2	
44	129S30301	SA2667001	调节连杆	Length adjusting rod	1	1	1	
45	N01012	021060306	螺母M6	Nut M6	1	1	1	
46	306S16002	SA2668001	左旋螺母M6	Levorotation Nut M6	1	1	1	
47	129S20307	SA2669001	段螺钉M6	Shoulder screw, M6	2	2	2	
48	12912313	SA2672001	切线连杆 R	Thread trimming connecting rod L	1	1	1	
49	12912314	SA2673001	切线连杆 L	Thread trimming connecting rod R	1	1	1	
50	S04028	062500816	螺钉 M5×8	Screw, pan M5×8	2	2	2	
51	12928018	025050236	平垫圈M5	Washer, plain M5	2	2	2	
52	129S20302	SA2645001	段螺钉M5	Shoulder screw, M5 (M4)	2	2	2	

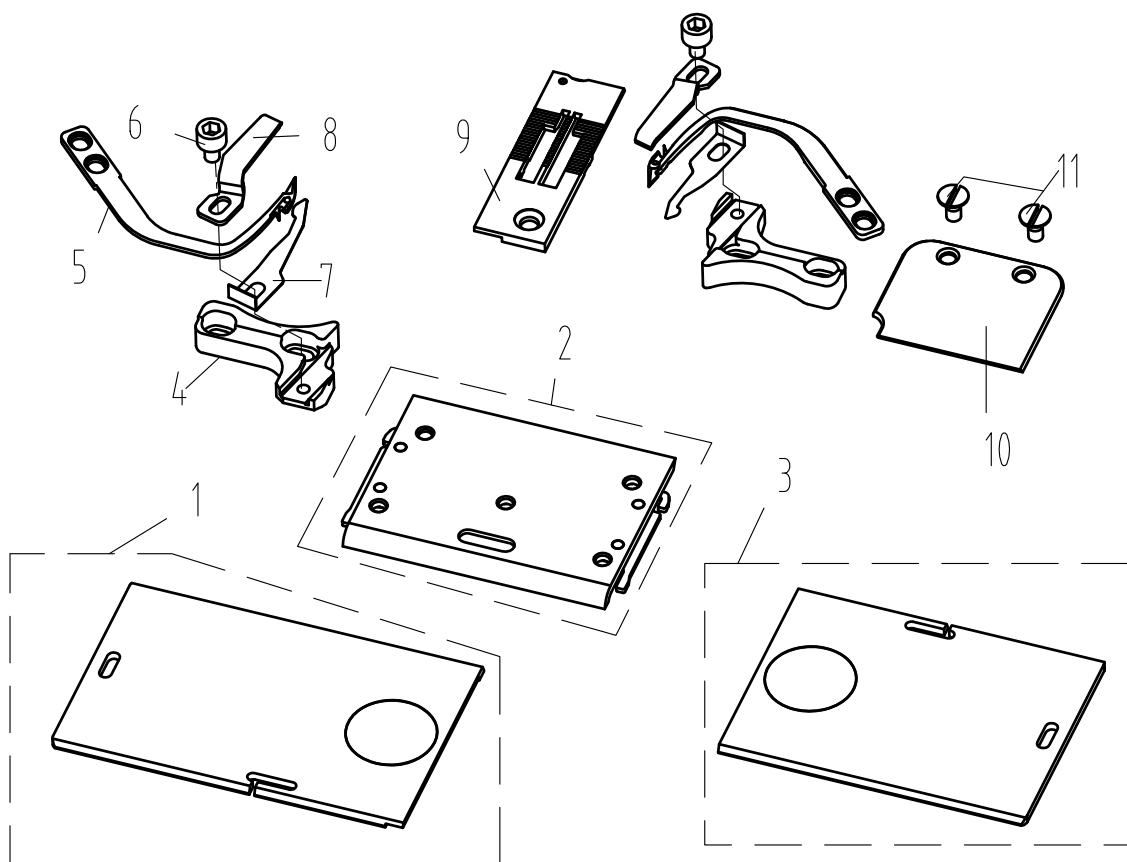
Q. 切线装置/Thread trimmer mechanism



Q. 切线机构 D4 /Thread trimmer mechanism D4

序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
53	12919301	S07526301	动刀	Movable knife	2	2	2	
54	120S13002	148536001	螺钉SM4. 37×40	Screw, SM4. 37-40×4. 2	4	4	4	
55	12919002	S07527001	固定刀	Fixed knife	2	2	2	
56	129S20601	148539101	段螺钉SM2. 38	Stud screw SM2. 38	2	2	2	
57	12930305	S38687000	插头5557-14R	Connector 5557-14R	1	1	1	
58	12930309	SA1998001	接地线组件	Ground wire assy	1	1	1	
59	S04028	062500816	螺钉 M5×8	Screw, pan M5×8	1	1	1	
60	12011004	340400001	线夹	Fastening band	1	1	1	
61	1291231100	SA8364001	松线杆组件	Tension release lever assy	2	2	2	
62	1291233200	SA8365001	松线杆复合件	Tension release lever set	1	1	1	

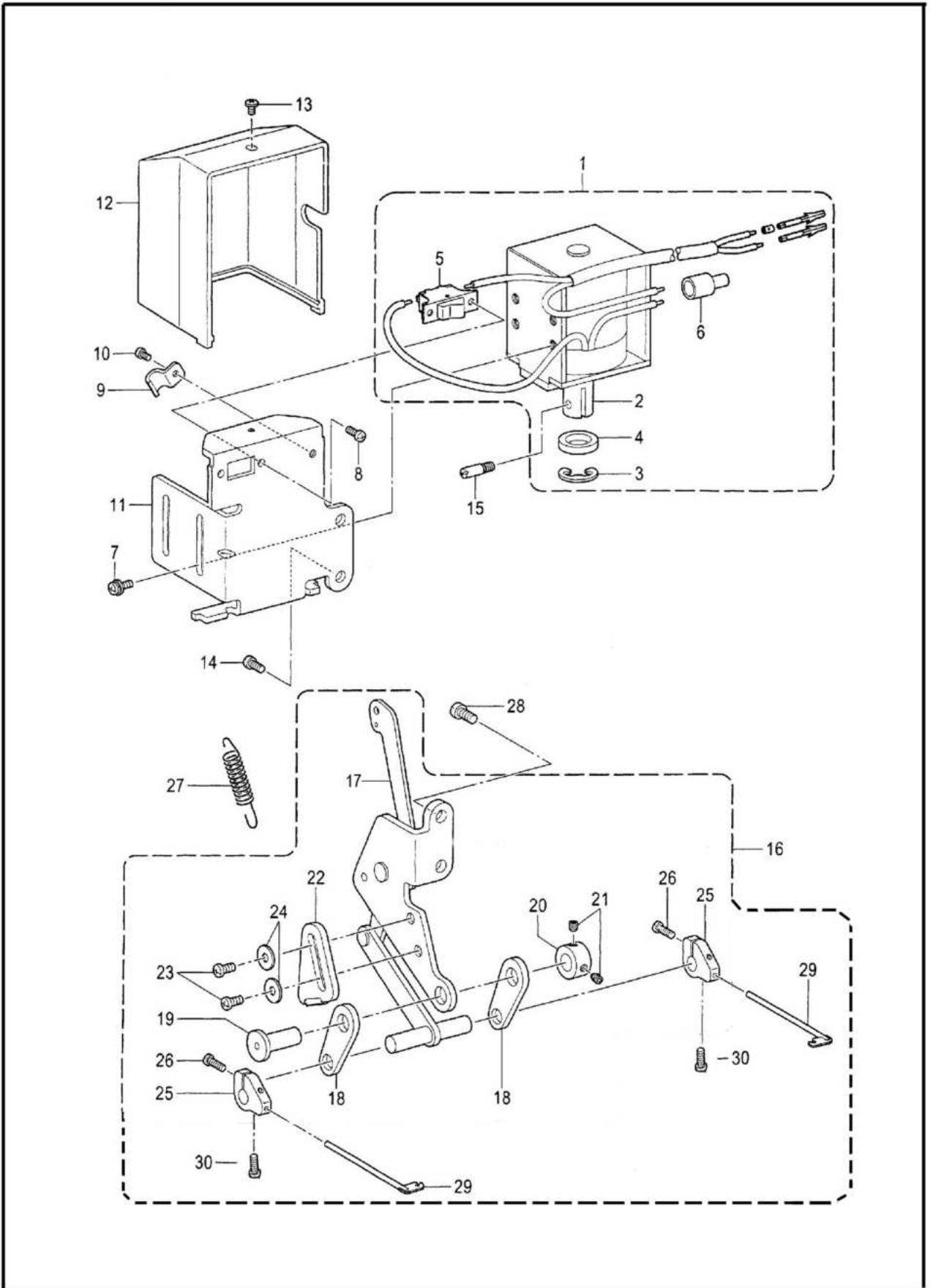
Q2. 切线机构 /Thread trimmer mechanism



Q2. 切线机构 /Thread trimmer mechanism

序号 No.	件号 Part No.	参考件号 Ref.Part	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1291510200		推板LA组件	Slide plate, LA assy	1	1	1	
2	1291510000		前推板组件	Slide plate f assy	1	1	1	
3	1291510400		推板R组件	Slide plate, R assy	1	1	1	
4	12909200		刀座	Movable knife bracket	2	2	2	
5	12919303		动刀	Movable knife	2	2	2	
6	207S13007		定刀螺钉	Screw, pan M4×5	2	2	2	
7	12927200		板弹簧	Bobbin thread holding spring	2	2	2	
8	12919200		定刀	Fixed knife	2	2	2	
9	12915206		针板 (1/4) Needle	Needle plate	1	1	1	
	12915306		针板 (1/8) Needle	Needle plate	1	1	1	
10	12915117		盖板	Cover plate	1	1	1	
11	S02003		螺钉 M4×5	Screw, pan M4×5	2	2	2	

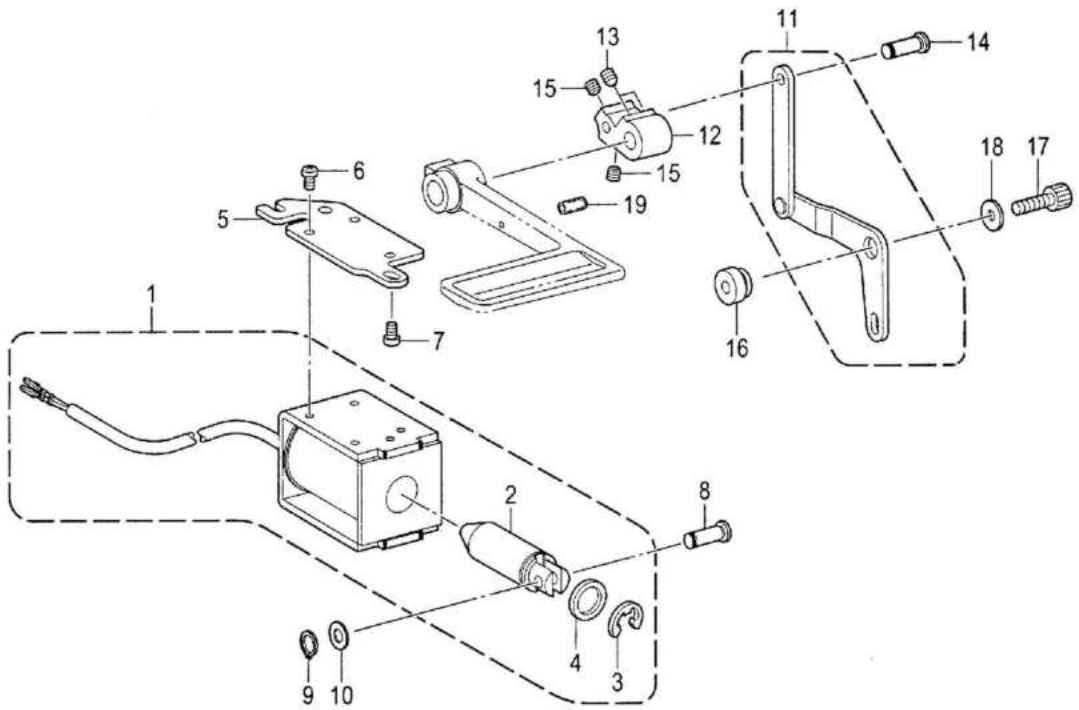
S1. 扫线装置D4/Thread wiper mechanism D4



S1. 扫线机构 D4 /Thread wiper mechanism D4

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1293031700	SA2680001	扫线电磁铁组件	Thread wiper solenoid assy	1	1	1	
2	12030009	148511001	插棒式铁芯	Plunger	1	1	1	
3	H05011	048090342	挡圈E9	Retaining ring ,E9	1	1	1	
4	12022003	S38426000	橡皮垫	Rubber cushion	1	1	1	
5	12030010	S02664001	扫线开关	Thread wiper switch	1	1	1	
6	12022004	S02665000	电线接头	Terminal connector	1	1	1	
7	129S30302	S39048001	螺钉(带垫片)M4×10	Screw, pan(s/p w) M4×10	4	4	4	
8	129S30027	062300616	螺钉M3×6	Screw, pan M3×6	2	2	2	
9	12912315	140647101	电线固定夹	Cord holder	1	1	1	
10	S04035	062400616	螺钉M4×6	Screw, pan M4×6	1	1	1	
11	12912316	SA2732001	电磁铁安装板	Solenoid bracket	1	1	1	
12	12911302	SA2696001	电磁铁盖	Solenoid cover	1	1	1	
13	S04010	060400516	螺钉M4×5.5	Screw, pan M4×5.5	4	4	4	
14	S04028	062501016	螺钉M5×8	Screw, pan M5×8	2	2	2	
15	120S11010	148546001	销	Pin	1	1	1	
16	1291231700	SA2682101	电磁铁连杆组件	Solenoid link assy	1	1	1	
17	12912318	SA2685001	动作传动板	Driver	1	1	1	
18	12012023	S07549101	扫线连接环	Link	2	2	2	
19	12926302	S07550001	销	Pin	1	1	1	
20	12903304	SA2504001	紧圈	Set screw collar	1	1	1	
21	S09019	012500536	螺钉M5×5	Screw, pan M5×5	2	2	2	
22	12912320	SA8745001	定位板	Stopper	1	1	1	
23	S04028	062500816	螺钉M5×8	Screw, pan M5×8	2	2	2	
24	12928018	025050236	平垫圈5	Plain washer 5	2	2	2	
25	12004006	S07552101	扫线器架	Thread wiper supporter	2	2	2	
26	120S13003	062661212	螺钉SM3. 18-44×12	Screw, SM3. 18-44×12	2	2	2	
27	12927304	SA2684001	弹簧	Spring	1	1	1	
28	S04028	062501016	螺钉M5×8	Screw, pan M5×8	2	2	2	
29	12912321	S07553001	扫线器	Thread wiper	2	2	2	
30	129S11005	S07424001	螺钉SM3. 18-44×4	Set screw, SM3. 18-44×4	2	2	2	

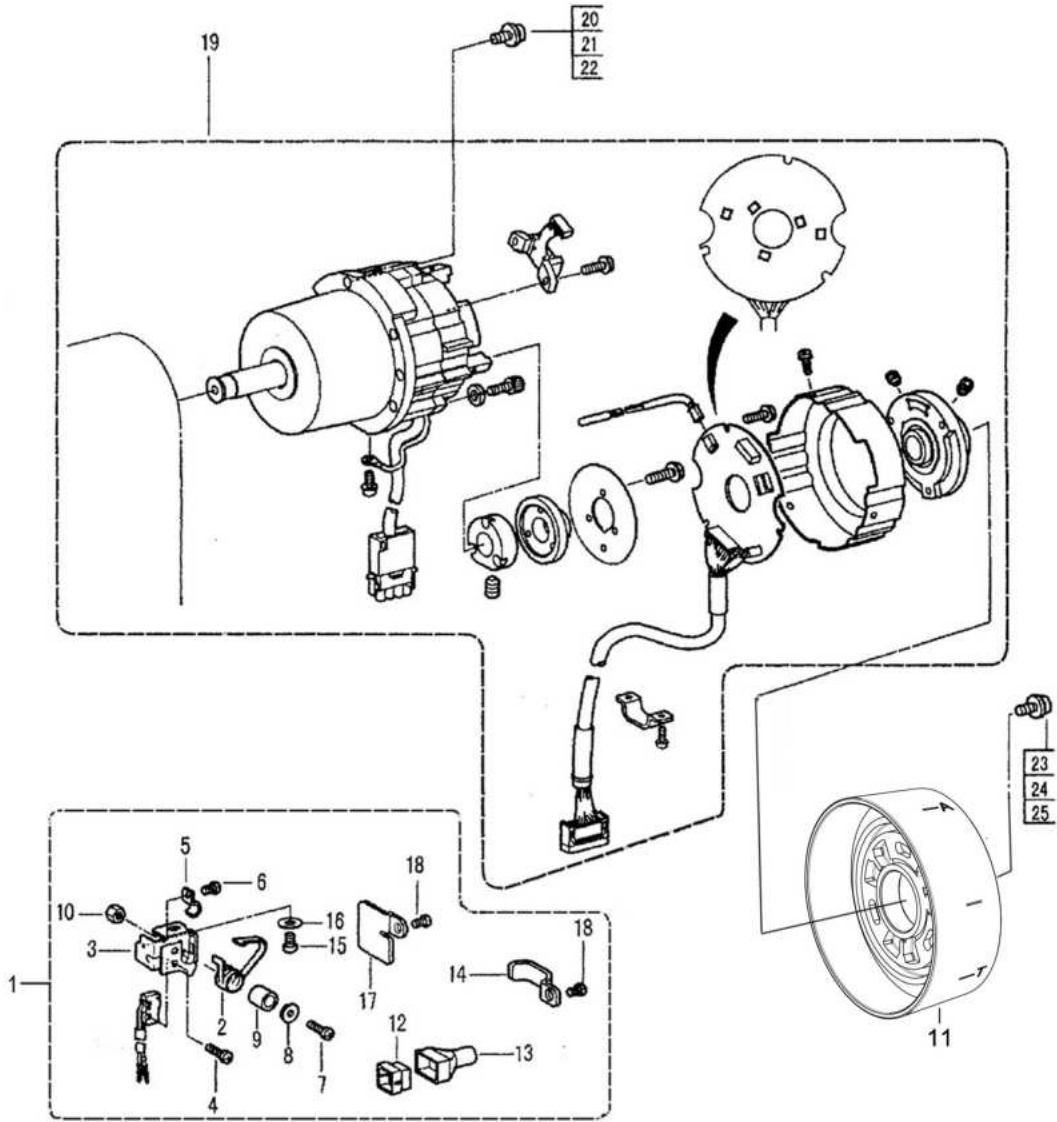
S2. 倒缝装置D4/Quick reverse mechanism



S2. 倒缝装置/Quick reverse mechanism D4

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1291232200	SA3072001	反转电磁铁组件	Quick reverse solenoid assy	1	1	1	
2	12930311	154729001	铁芯	Solenoid core	1	1	1	
3	H05005	154730001	挡圈E15	Retaining ring ,E15	1	1	1	
4	12022001	154731000	橡胶垫	Rubber cushion	1	1	1	
5	12912323	SA2535101	电磁铁基座	Solenoid base	1	1	1	
6	129S30016	062500812	螺栓(带垫圈)M5X10	Screw, pan M5×10	3	3	3	
7	S04038	062061016	螺钉M6×10	Screw, pan M6×10	2	2	2	
8	12926303	SA2992001	连接销	Pin	1	1	1	
9	H03003	048060142	挡圈5.6	Retaining ring ,5.6	1	1	1	
10	12928018	153138001	垫圈6.5	Washer, plain 6.5	1	1	1	
11	1291233000	SA2536001	电磁铁曲杆组件	Solenoid lever assy	1	1	1	
12	12904303	SA2540001	反转曲柄	Reverse crank	1	1	1	
13	S10021	016061031	紧定螺钉 M6×10	Screw, pan M6×10	2	2	2	
14	12926303	SA2992001	连接销	Pin	1	1	1	
15	S10019	012060636	螺钉M6×6	Screw, pan M6×6	2	2	2	
16	12903305	SA2539001	电磁铁曲杆轴	Solenoid lever shaft	1	1	1	
17	S05078	018062032	螺钉M6×20	Screw, pan M6×20	1	1	1	
18	12928002	149095009	垫圈	Washer	1	1	1	
19	11203001	153132000	倒送料板手定位套	Oil tube	1	1	1	

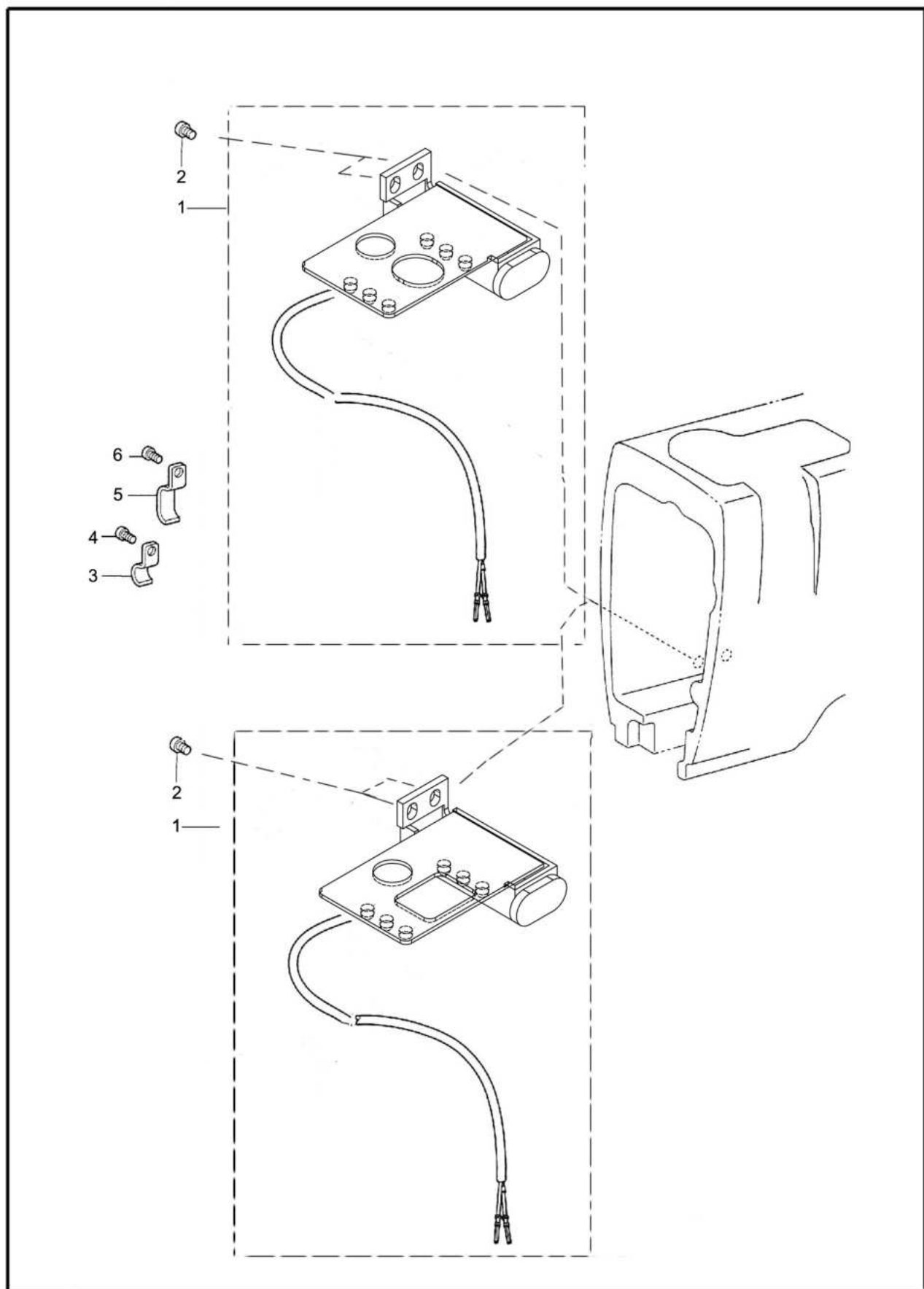
T1. 马达与安全开关D4/Motor and safety switch mechanism D4



T1. 马达与安全开关D4/Motor and safety switch mechanism D4

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1293031600	SA1385001	微动开关组件	Micro switch assy	1	1	1	
2	12927306	S38744101	板弹簧	Switch plate spring	1	1	1	
3	12912328	SA2686001	开关基座	Switch base	1	1	1	
4	S05092	062020806	螺钉M2×8	Screw, pan M2×8	2	2	2	
5	12912315	140647101	电线固定夹	Cord holder	1	1	1	
6	S04035	062400616	螺钉M4×6	Screw, pan M4×6	1	1	1	
7	S04040	062401216	螺钉M4×12	Screw, pan M4×12	1	1	1	
8	W01001	026040236	平垫圈4	Washer, plain 4	1	1	1	
9	12903306	154514001	衬套	Bush	1	1	1	
10	N01001	021400106	六角螺母M4	Nut M4	1	1	1	
11	301023	SA4040001	手轮	Pulley	1	1	1	
12	12930413		四芯插头	Fourcore connector plugs	1	1	1	
13	12930414		3×4护套	Jacket	1	1	1	
14	12912333	SA2712001	电线固定夹	Cord holder	1	1	1	
15	S04033	062060812	螺钉M6×8	Screw, pan M6×8	1	1	1	
16	12928022	025060136	平垫圈S6	Washer, plain S6	1	1	1	
17	12912317	SA2687001	线夹	Cord holder	1	1	1	
18	S04028	062500816	螺钉M5×8	Screw, pan M5×8	2	2	2	
19	12933005		伺服电机I70M-4-60-220	Hohsing	1	1	1	
	1293300400		直驱电机(鲍麦克斯, 360)	Powermax	1	1	1	
20	S04032	SA2354001	螺钉M5×14	Screw, pan M5×14	5	5	5	
21	W02001	028050246	弹簧垫圈5	Washer, spring 5	5	5	5	
22	W01004	026050136	平垫圈5	Washer, plain 5	5	5	5	
23	S04060	SA3025001	螺钉M4×10	Screw, pan M4×10	3	3	3	
24	W02002		弹簧垫圈	Washer, spring	3	3	3	
25	W01001		平垫圈	Washer, plain	3	3	3	

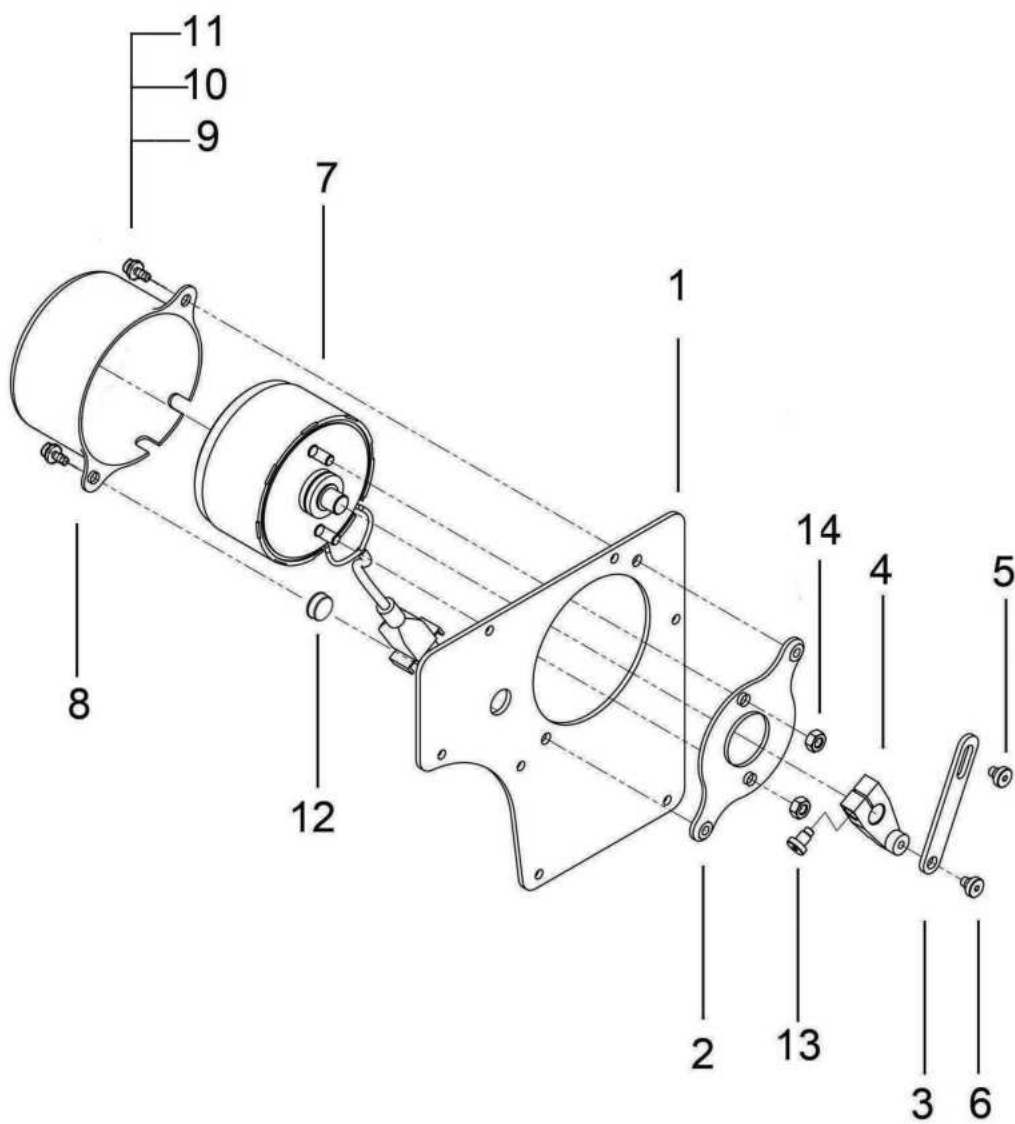
U. 倒缝开关装置D4/Quick reverse switch mechanism D4



U. 倒缝开关装置D4/Quick reverse switch mechanism D4

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	1293031900		倒缝开关(含LED灯) 12V	Reverse actuator assy	1	1	1	58420D/58720D (贺)
	1293032000		倒缝开关(含LED灯) 12V	Reverse actuator assy	1	1	1	58450D/58750D (贺)
	1293032100		倒缝开关(含LED灯) 5V	Reverse actuator assy	1	1	1	58420D/58720D (鲍)
	1293032200		倒缝开关(含LED灯) 5V	Reverse actuator assy	1	1	1	58450D/58750D (鲍)
2	S04030	SA2689100	螺钉M5×6	Screw, pan M5×6	2	2	2	
3	12912326	SA2689101	线夹	Stopper	1	1	1	
4	S04030	062500616	螺钉M5×6	Screw, pan M5×6	1	1	1	
5	12912327	SA1388101	线夹	Stopper	4	4	4	
6	S04030	062500616	螺钉M5×6	Screw, pan M5×6	1	1	1	

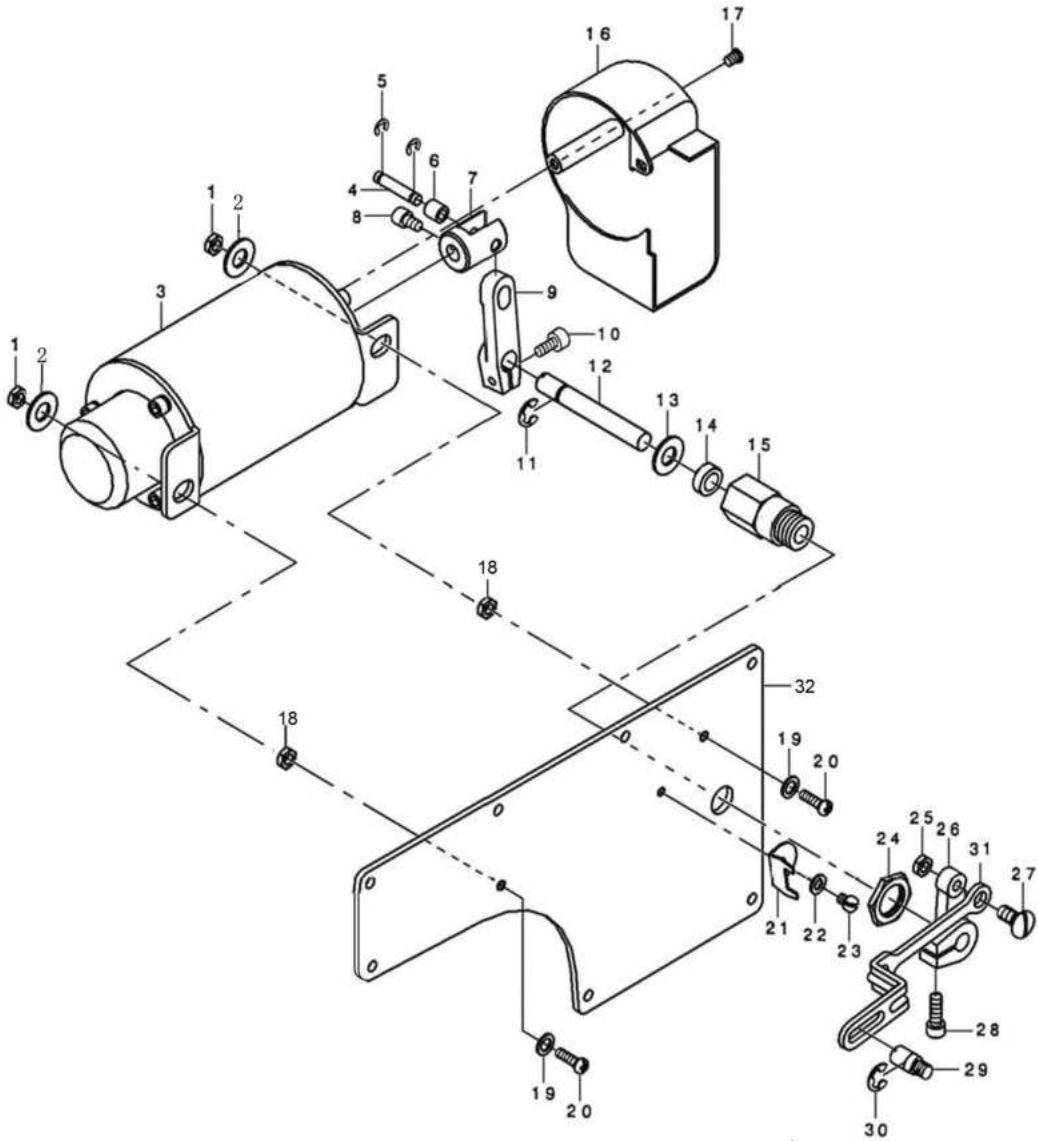
W1. 自动抬压脚装置 (选购件1) /Auto lifter components (optional)



W1. 自动抬压脚装置 (选购件1) /Auto lifter components (optional)

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	301252		后盖板	Back cover board	1	1	1	
2	12912402		电磁铁支架	Solenoid bracket	1	1	1	
3	12912403		拉杆	Pull lever	1	1	1	
4	12904401		曲柄	Rear cover	1	1	1	
5	129S20401		段螺钉6.3-6.5	Shoulder scrw 6.3-6.5	1	1	1	
6	129S20001		段螺钉6.3-3.2	Shoulder scrw 6.3-3.2	1	1	1	
7	1293040100		抬压脚电磁铁组件	P-foot lifter solenoid	1	1	1	
8	301251		电磁铁罩	Solenoid cover	1	1	1	
9	S04038		螺钉M6×10	Screw, pan M6×10	2	2	2	
10	12928018		平垫圈M5	Washer M5	1	1	1	
11	W02004		弹簧垫片M6	Washer, spring M6	2	2	2	
12	12922401		橡皮塞18.5	Rubber cap 18.5	1	1	1	
13	S04032		螺钉M5×14	Screw, pan M5×14	1	1	1	
14	N01012		螺母M6	Nut M6	2	2	2	

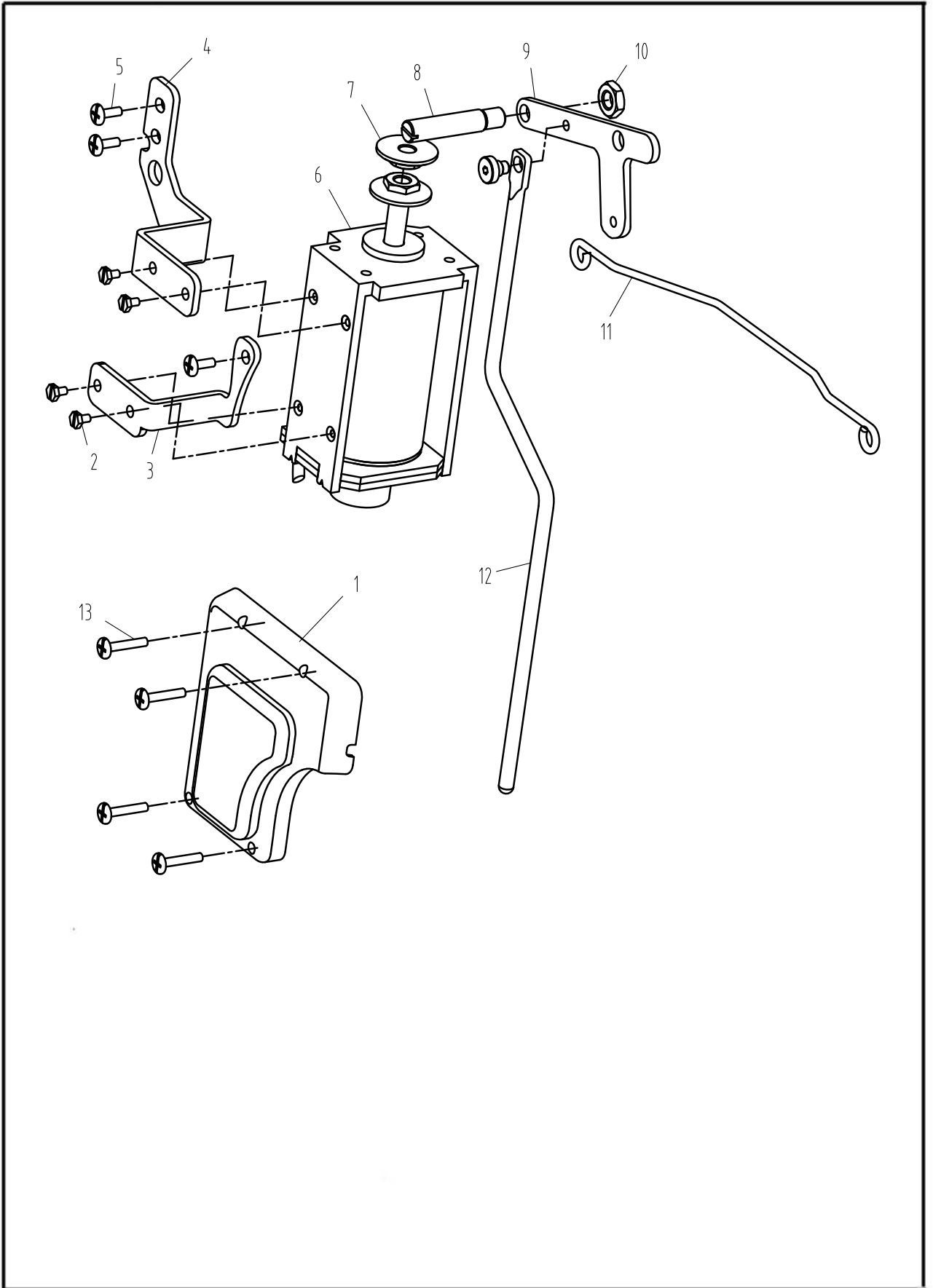
W2. 自动抬压脚装置 (选购件2) /Auto lifter mechanism (optional)



W2. 自动抬压脚（选配件2）/Auto lifter components (optional)

序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
	1123002000		自动抬压脚组件(无拉杆)	Magnetic plug asm(no pull rod)	1	1	1	
1	112S16013		支撑架大螺母	Nut	2	2	2	
2	W01021		垫片	Washer	2	2	2	
3	1123002000		自动抬压脚电磁铁组件	Magnetic plug asm.	1	1	1	
4	11226007		电磁铁曲柄销	Magnetic plug pin	1	1	1	
5	H05003		挡圈	E-ring	2	2	2	
6	11203003		曲柄套筒	Sleeve	1	1	1	
7	11201007		电磁铁芯轴接头	Magnetic plug pin tie-in	1	1	1	
8	S05038		接头螺钉	Screw	1	1	1	
9	11204005		电磁铁曲柄	Magnetic crank	1	1	1	
10	S05013		螺钉	Screw	1	1	1	
11	H05011		挡圈	E-ring	1	1	1	
12	11202003		自动抬压脚轴	Automated presser foot shaft	1	1	1	
13	11228003		套筒垫片	Washer	1	1	1	
14	11222016		油封	Oil seal	1	1	1	
15	11203002		套筒	Sleeve	1	1	1	
16	11211006		自动抬压脚罩壳	Wiper cover	1	1	1	
17	S04022		罩壳螺钉	Screw	2	2	2	
18	112S16012		支承架小螺母	Nut	2	2	2	
19	11228001		支承架支承螺钉垫片	Washer	2	2	2	
20	112S11015		支承架支承螺钉	Screw	2	2	2	
21	11212037		拉杆支架	Pull rod bracket	1	1	1	
22	11228002		拉杆支架垫片	Pull rod bracket washer	1	1	1	
23	112S11014		拉杆支架紧固螺钉	Screw	1	1	1	
24	112S16011		套筒螺母	Nut	1	1	1	
25	114S16005		拉杆螺母	Nut	1	1	1	
26	11204004		自动抬压脚曲柄	Crank	1	1	1	
27	112S20008		拉杆螺钉	Screw	1	1	1	
28	S05013		皮带轮固定螺钉	Screw	1	1	1	
29	112S20009		抬压脚拉杆螺钉	Screw	1	1	1	
30	H05013		挡圈6	E-ring	1	1	1	
31	12912405		自动抬压脚拉杆	Pull rod	1	1	1	另购
32	301078		后窗板	Slide plate	1	1	1	另购

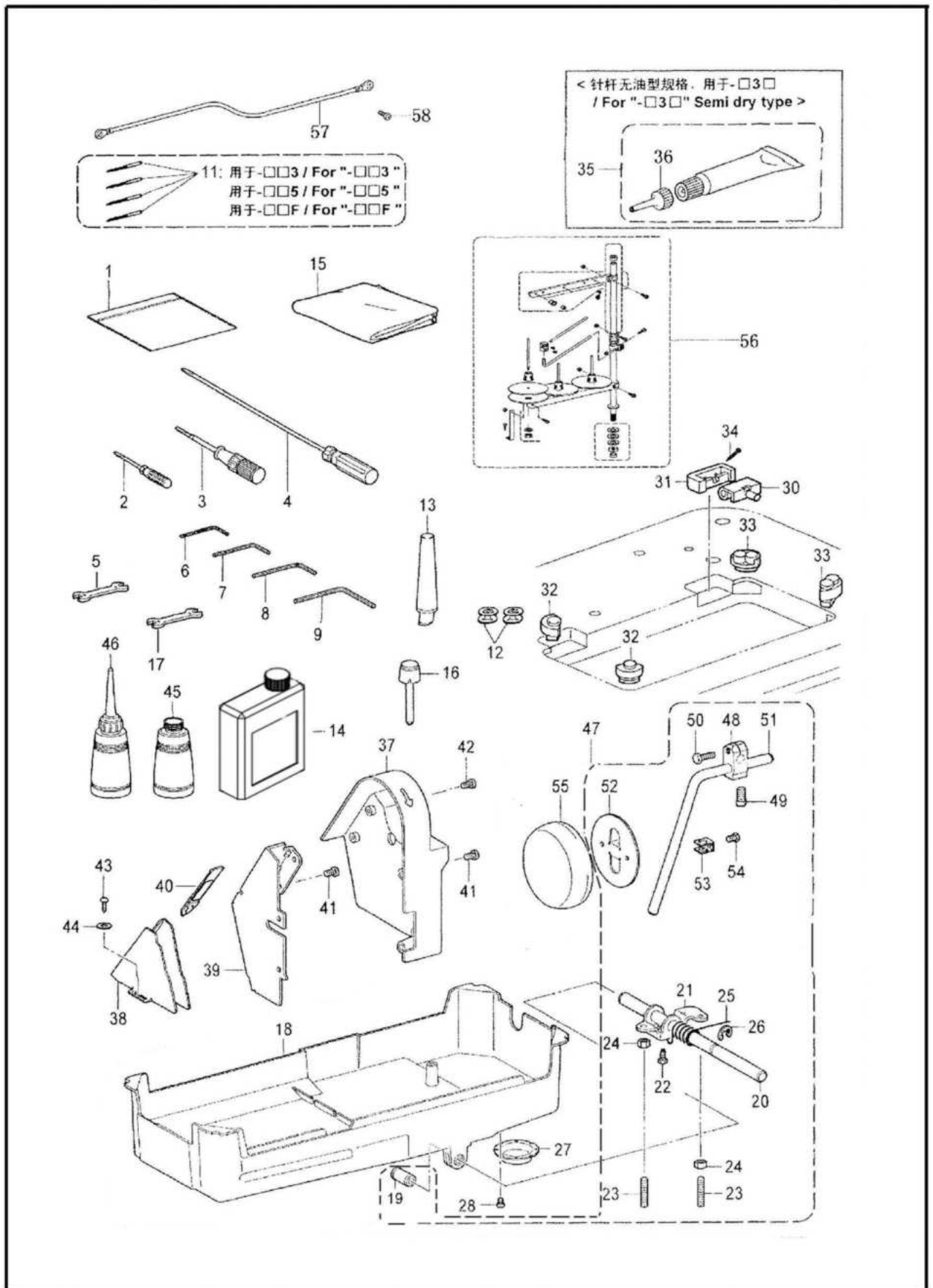
: 5 »7J>15 \$XWR OLIWHU FRPSRQHQQVV



W3. 内置抬压脚装置/Auto lifter components

序号 No.	件号 Part No.	参考件号 Ref.Part	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	12901314		后窗板	Side plate	1	1	1	
2	201S12005		电磁铁固定螺	Screw	4	4	4	
3	12912210		电磁铁右支架	Right bracket	1	1	1	
4	12912200		电磁铁左支架	Left bracket	1	1	1	
5	S04028		螺钉 M5×8	Screw, Pan M5×8	3	3	3	
6	1293040200		内置抬压脚电磁铁组件	Solenoid asm.	1	1	1	
7	113S16004		法兰螺母	Flange nuts	2	2	2	
8	129S30050		抬压脚链接销	Link pin	1	1	1	
9	12912095		抬压脚后杠杆	Lifting lever link	1	1	1	
10	N01011		螺母M8	Nut M8	1	1	1	
11	12912090		抬压脚连杆	Knee lifting cross rod	1	1	1	
12	12912600		膝控顶杆	Knee lifting connecting	1	1	1	
13	S04091		螺钉 M5×22	Screw, pan M5×22	4	4	4	

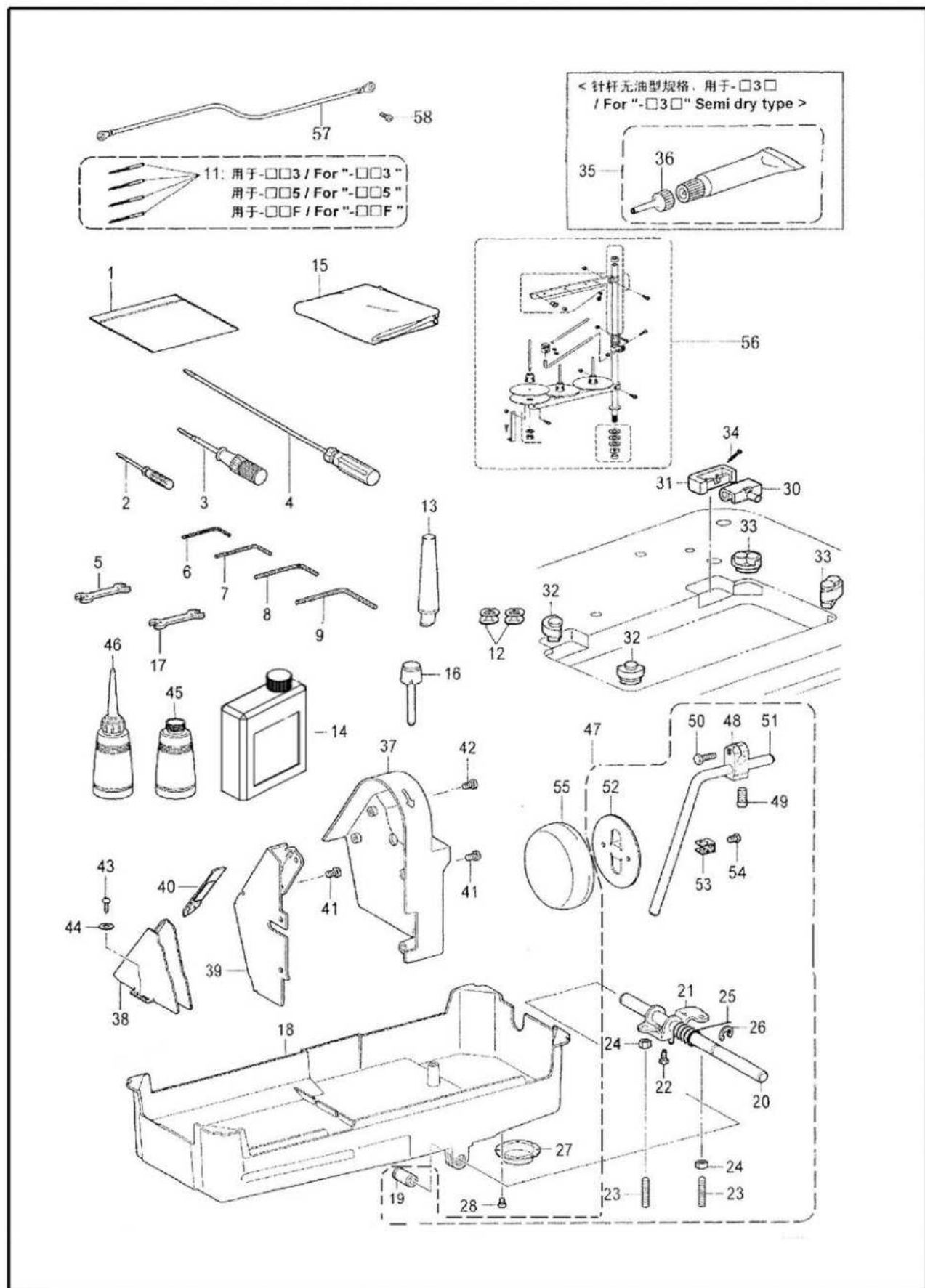
Z. 附件/Accessories



Z. 附件/Accessories

序号	件号 Part No.	参考件 号	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
1	30131029	122991001	附属品塑料袋	Accessory Bag	1	1	1	
2	10131004	142443001	螺丝刀(小)	ScrewDriver, 1.9×52	1	1	1	
3	10131003	118837001	螺丝刀(中)	ScrewDriver, 3.4×70	1	1	1	
4	20731047	S17744001	螺丝刀(大)	ScrewDriver, 4.7×250	1	1	1	
5	30131006	100887001	扳手(8mm~10mm)	Wrench	1	1	1	
6	20131046	142002001	内六角扳手2	Hexagonal Wrench, 2	1	1	1	
7	30131010	154125001	内六角扳手3	Hexagonal Wrench, 2.5	1	1	1	
8	30131012	142721001	内六角扳手4	Hexagonal Wrench, 3	1	1	1	
9	20131056	149570001	内六角扳手6	Hexagonal Wrench, 5	1	1	1	
11	11617002	107415014	机针DP×5 (#14)	Needle, DP×5	4			
11	10117002	107415022	机针DP×5 (#21)	Needle, DP×5		4		
12	11618001	S01928151	梭芯	Bobbin	2	2	2	58420/58450
12	11818001	S07741001	梭芯	Bobbin	2	2	2	58720/58750
13	10111011	100477009	机头支柱	Head Rest	1	1	1	
14	20131037	S55663001	油壶	Oil Tank Assy	1	1	1	
15	40131017	144226001	防尘罩	Head Cover	1	1	1	
16	12911014	145573000	膝控提升顶杆	Knee Lifter Complying Bar	1	1	1	
17	40931025		扳手(9mm~11mm)	Wrench	1	1	1	
18	12901011	SA2692101	油盘	Oil Pan	1	1	1	
19	11636007	149578000	塑料轴套	Bush	1	1	1	
20	12902019	SA2582001	膝控横轴	Knee Lifter Shaft	1	1	1	
21	12912087	SA2590001	膝控曲柄	Knee Lifter	1	1	1	
22	101S12002	S25344001	螺栓M6	Bolt, M6	1	1	1	
23	417S10003	S25475101	螺钉M6×19	Set Screw, M6×19	2	2	2	
24	N01012	021060306	六角螺母M6	Nut, 3M6	2	2	2	
25	11627011	S15889001	复位弹簧	Twist Spring	1	1	1	
26	H05010	146293001	挡圈E10	Retaining Ring, E10	1	1	1	
27	12912088	153230101	放油口	Drain	1	1	1	
28	S01031	S23418002	螺钉M4×5	Screw, M4×5	2	2	2	
30	1011203100	143882001	机头连接钩组件	Head Hinge	2	2	2	
31	10122060	143910009	机头连接钩座	Rubber Cushion	2	2	2	
32	12922017	SA1962001	头部防震垫	Head Cushion	2	2	2	
33	12922018	SA1963001	头部防震垫	Head Cushion	2	2	2	
34	101S30010	109714000	机头连接勾座钉	Nail	4	4	4	
35	12931501	SA2693001	润滑脂组件	Grease Unit	1	1	1	用于□3□, For □3□
36	12931502	SA2695001	润滑脂注入口	Grease Nozzle	1	1	1	用于□3□, For □3□
37	12911010	SA2768101	皮带罩U	Belt Cover, U	1	1	1	
38	301082	SA2769001	皮带罩D	Belt Cover, D	1	1	1	
39	301083	SA2770101	皮带罩架	Belt Cover Bracket	1	1	1	
40	12911013	S37263001	皮带罩D盖L	Belt Cover D Lid, L	1	1	1	
41	S04028	062500816	螺钉M5×8	Screw, Pan M5×8	4	4	4	
42	S04028	062500816	螺钉M5×8	Screw, Pan M5×8	2	2	2	
43	101S30014	100666002	圆头木螺钉M5.5×20	Wood Screw, Round M5.5×20	2	2	2	
44	W01004	025750132	平垫圈S5.56	Washer, Plain S5.56	2	2	2	
45	11631008	114486002	油壶	Oiler	1	1	1	
46	11631008	114483002	油壶组件	Oiler Assy	1	1	1	
47	1160101000	S38300001	脚弓托架组件	Knee Lifter Assy	1	1	1	

Z. 附件/Accessories



Z. 附件/Accessories

序号 No.	件号 Part No.	参考件号 Ref.Part No.	零部件名称	Name of parts	数量 Amt.			备注
					□□3	□□5	□□F	
48	12912417	146039121	操纵杆接头	Knee Lifter Bracket	1	1	1	
49	101S12003	100463021	操纵杆接头螺钉	Knee Lifter Bracket, Screw	1	1	1	
50	129S12002	S35820021	锥头螺钉M6	Screw, Pan M6	1	1	1	
51	12912414	S38278001	操作杆	Knee Lifter Bar	1	1	1	
52	12912415	S34756021	操作板	Knee Lifter Plate	1	1	1	
53	12912416	114967021	操作杆接头	Knee Lifter Plate Stopper	1	1	1	
54	101S12004	110087021	螺钉M6	Screw, Pan M6	1	1	1	
55	10122024	S31885001	操纵板软垫	Knee lifter plate cover	1	1	1	
56	1293100400	S07558309	线架组件 3DRTHF	Cotton Stand Assy, 3DRTHF	1	1	1	
57	12930306	SA4313001	地线	Ground Wire	1	1	1	用于□3□, For □3□
58	S04028	062500816	螺钉M5×8	Screw Pan M5×8	1	1	1	用于□3□, For □3□

针位组零件明细表/Gauge parts list(58420/58720)

针距 Needle gauge (mm)	针夹头 Needle Clamp Assembly	针板 Needle Plate	送布牙 Feed Dog (-□□3)	送布牙 Feed Dog (-□□5)	压脚 Presser Foot Assembly
1/8(3.2)	1293401100				
5/32(4.0)	1293401200				
3/16(4.8)	1293402600				
1/4(6.4)	11634001	12915004	12914001		1291600200
3/8(9.5)	1293400100				
5/16(7.9)	1293401400				
7/16(11.1)	1293401600				
1/2(12.7)	1293401700				
5/8(15.9)	1293401800				
7/8(22.2)	1293403200				
1(25.4)	1293401900				
1-1/4(31.8)	1293402000				
1-13/16(46)	1293400500				
1-1/2(38.1)	1293402100				
1-5/8(41.3)	1293402900				
1-7/8(47.6)	1293403000				

针位组零件明细表/Gauge parts list(58450/58750)

针距 Needle gauge (mm)	针夹头 Needle Clamp Assembly	针板 Needle Plate	送布牙 Feed Dog (-□□3)	送布牙 Feed Dog (-□□5)	压脚 Presser Foot Assembly
1/8(3.2)	1293403300				
5/32(4.0)	1293402200				
3/16(4.8)	1293402700				
1/4(6.4)	11734002(L) 11734003(R)	12915004	12914001		1291600200
3/8(9.5)	1293400200				
5/16(7.9)	1293400400				
7/16(11.1)	1293403500				
1/2(12.7)	1293403600				
5/8(15.9)	1293403700				
7/8(22.2)	1293402800				
1(25.4)	1293403800				
1-1/4(31.8)	1293403900				
1-13/16(46)	1293404000				
1-1/2(38.1)	1293404100				
1-5/8(41.3)	1293404200				
1-7/8(47.6)	1293404300				

针位组零件明细表/Gauge parts list(58420D)

针距 Needle gauge (mm)	针夹头 Needle Clamp Assembly	针板 Needle Plate	送布牙 Feed Dog (-□□3)	送布牙 Feed Dog (-□□5)	压脚 Presser Foot Assembly
1/8(3.2)			1293404400		
5/32(4.0)			1293404500		
3/16(4.8)			1293402600		
1/4(6.4)	11634001	1291530100	12914301	12914314	1291632500
3/8(9.5)			1293404700		
5/16(7.9)			1293404800		
7/16(11.1)			1293404900		
1/2(12.7)			1293405000		
5/8(15.9)			1293405100		
7/8(22.2)			1293405200		
1(25.4)			1293405300		
1-1/4(31.8)			1293405400		

针位组零件明细表/Gauge parts list(58720D)

针距 Needle gauge (mm)	针夹头 Needle Clamp Assembly	针板 Needle Plate	送布牙 Feed Dog (-□□3)	送布牙 Feed Dog (-□□5)	压脚 Presser Foot Assembly
1/8(3.2)			1293404400		
5/32(4.0)			1293404500		
3/16(4.8)			1293404600		
1/4(6.4)	11634001	1291530100	12914301	12914314	1291632500
3/8(9.5)			1293404700		
5/16(7.9)			1293404800		
7/16(11.1)			1293404900		
1/2(12.7)			1293405000		
5/8(15.9)			1293405100		

针位组零件明细表/Gauge parts list(58450D/58750D)

针距 Needle gauge (mm)	针夹头 Needle Clamp Assembly	针板 Needle Plate	送布牙 Feed Dog (-□□3)	送布牙 Feed Dog (-□□5)	压脚 Presser Foot Assembly
1/8(3.2)			1293405500		
5/32(4.0)			1293405600		
3/16(4.8)			1293405700		
1/4(6.4)	11734002L 11734003R	1291530100	12914301	12914314	1291632500
3/8(9.5)			1293405800		
5/16(7.9)			1293405900		
7/16(11.1)			1293406000		
1/2(12.7)			1293406100		
5/8(15.9)			1293406200		
7/8(22.2)			1293406300		
1(25.4)			1293406400		
1-1/4(31.8)			1293406500		

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