

SIRUBA

使用說明書與零件圖

INSTRUCTIONS BOOK & PARTS LIST

■ DL3880 Series



CE

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使用説明

Operation Manual

一、開車前的注意事項

1. 油盤內未加油絕對不能開車.
2. 機器運轉時,從上輪外側看轉向應該為逆時針方向、注意、不能倒轉.
3. 在最初使用的一個月內,應把縫速降低為每分鐘3000針進行縫紉作業
4. 按照電動機標牌上的標注,檢查電源、電壓及單相、三相是否正確.

一、Pre-start checks.

1. The machine shall not be started running until the completion of oiling.
2. The rotating direction of the balance wheel, when the machine is started running, shall be in counter-clockwise one. (View from the right side of the balance wheel.) A warning shall be given in advance against making the machine run while balance wheel turning clockwise.
3. The machine shall be under operation at less than 3,000 s.p.m. for the first month.
4. Check power source, voltage and phase number to see whether they are in accordance with the ratings on the name plate of the motor to be used.

二、使用注意事項

1. 機器運轉時,請勿將手放到針的下部.
2. 機器運轉時,請勿將手指伸入挑線桿護罩內.
3. 機器已停止後,才能盤動上輪.
4. 關掉電動機開關後,由於慣性上的緣故,電動機還會繼續旋轉一段時間,所以要注意,未停止轉動不能將機器傾倒.
5. 機器運轉時,請勿將手指、頭髮或其它東西靠近或接觸上輪,"V"形皮帶、電動機、也不要將東西放置在它們附近
6. 裝拆皮帶罩及護指器時,請勿開動機器.

二、Operating instructions :

1. Do not put your hands under the lower part of the needle when the machine is running.
2. Do not put your fingers into the thread take-up lever cover when the machine is running.
3. Only when the machine stops can you turn the balance wheel by hand.
4. After the motor switch being turned off, due to inertia, the machine tilted unless it stops.
5. Keep away from the balance wheel, V-belt, winder and the motor.
6. Do not start running the machine during mounting or relacing the belt cover. finger guard, etc.

三、機器規格

線跡形式	並列雙針雙線鏈式縫
速度	最高每分鐘3500轉
機針	TV×7 14#~21# 或 UY128GAS 14#~20#
針跡長度	1.4~4mm
針桿行程	30mm
雙線間距範圍	1/8"(3.2mm) 3/16"(4.8mm) 1/4"(6.4mm)
挑線形式	針桿挑線
彎針	獨立調節式 1/8"~1/2" 通用
保針架	搖動式、固定式並用
膝提壓腳	上升量 8~10mm
供油	葉片泵
潤滑油	10號白油

Specification

Stitch type	Two-needle double-row chain stitch
Speed	Max. 3,500 s.p.m.
Needle	TV×7 14#~21# or UY128GAS 14#~20#
Stitch length	1.4~4mm
Stroke of needle bar	30mm
Gaugas of clouble-row chain stitch	1/8"(3.2mm) 3/16"(4.8mm) 1/4"(6.4mm)
Thread take-up type	Needle bar thread take u type
Looper	Separately adjustable type, for the range of 1/8"to 1/2"
Needle guard	Oscillating type and rigid type
Light clearance of knee lifter	8~10mm
Oil supply	Impeller-type pump
Lubricating oil	#10 while oil

四、機器的安裝(圖 1)

1. 油盤的安裝：將油盤支座①和油盤座③裝在桌板矩孔的四角,用油盤座釘②將其固定,再裝上油盤(圖 1).
2. 將機頭邊接鉤放入底板孔內,與桌板的機頭連接鉤座相嵌合,再將機頭放到四隻角的緩衝墊上.

4、Installation of the machine(Fig.1)

1. To instal the oil reservoir :

Put the oil reservoir rubber cushion ① and oil reservoir felt cushion ③ on four corners of the opening of the table, fix them with the wood screws ②,then instal the oil reservoir (Fig.1)

2. Put the machine connecting hooks into the holes to engage respectively two hinges seated in the table, then place the machine on the four cushions.

五、加油(圖2.圖3)

1. 向油盤內加縫紉機油(10號白油)至HIGH記號部位(圖2).
2. 如果油面低於Low 記號,應再加油.

3. 加油後開動機器,潤滑正常時,應看到油液噴到油窗上(圖3).至於噴到油窗上的油量多少與總油量的多少無關,所以不必擔心.

4. 如需換新油,只要拆下油盤的排油螺釘,汗油就能排出.

5. 使用新機器或長期未使用的縫紉機時,需抬起壓腳以每分鐘3000針的速度空轉約10分鐘.

5、Oiling (Figs.2 and 3)

1. Oiling shall be made in oil reservoir and the oil surface also be made to level the mark "High" before the machine is started running (Fig.2)

2. Oiling shall be kept on until the oil surface has been brought above the mark "Low"(Fig.3)

3. The normal condition of lubrication is that the oil shall spray onto the oil sight. The amount of oil spraying onto the oil sight is not at all proportional to the total amount of oil in the oil reservoir. There is nothing to worry about.

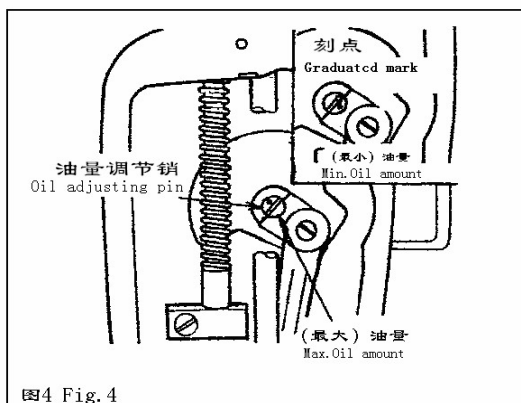
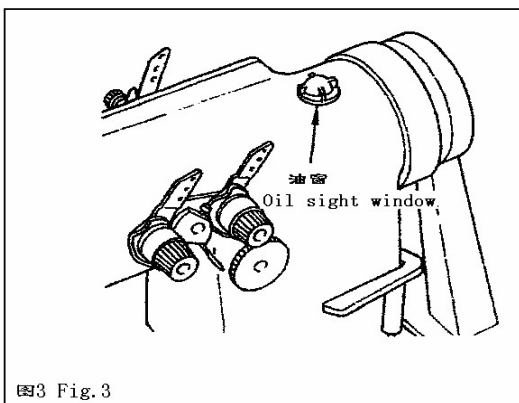
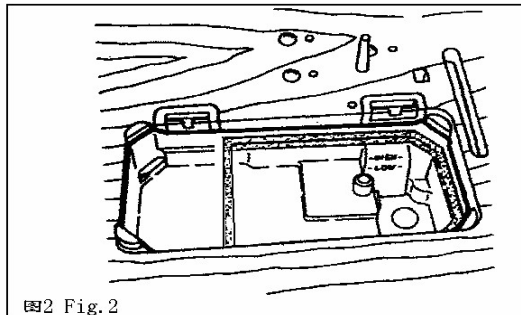
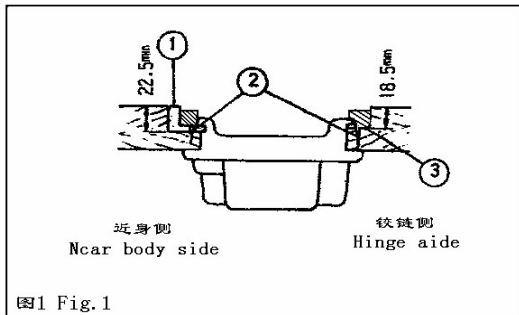
4. Only when the drain cover screw is loosened and taken off can old oil be drained out and new oil be supplied again.

5. When a new model or those standing idle for long time are to be operated, presser foot shall be lifted and run idle for about ten minutes.

六、面部油量調節(圖4)

轉動油量調節銷,可以調節針桿連桿銷的供油量,調節銷的刻點,靠近針桿連桿銷時,油量最小,反之,則油量最大(圖4).

注意：調節油量時要十分注意,供油量並不是隨調節立刻變化的.



6、How to regulate oil amount by means of manipulating elements on the faceplate(Fig.4)

To turn oil-amount adjusting pin to regulate oil amount of the thread take-up crank, min. oil amount will be supplied when the mark of adjusting pin moves to the thread take-up crank as near as you desire. Otherwise, max. oil amount will be supplied.

七、面線穿線法(圖5)

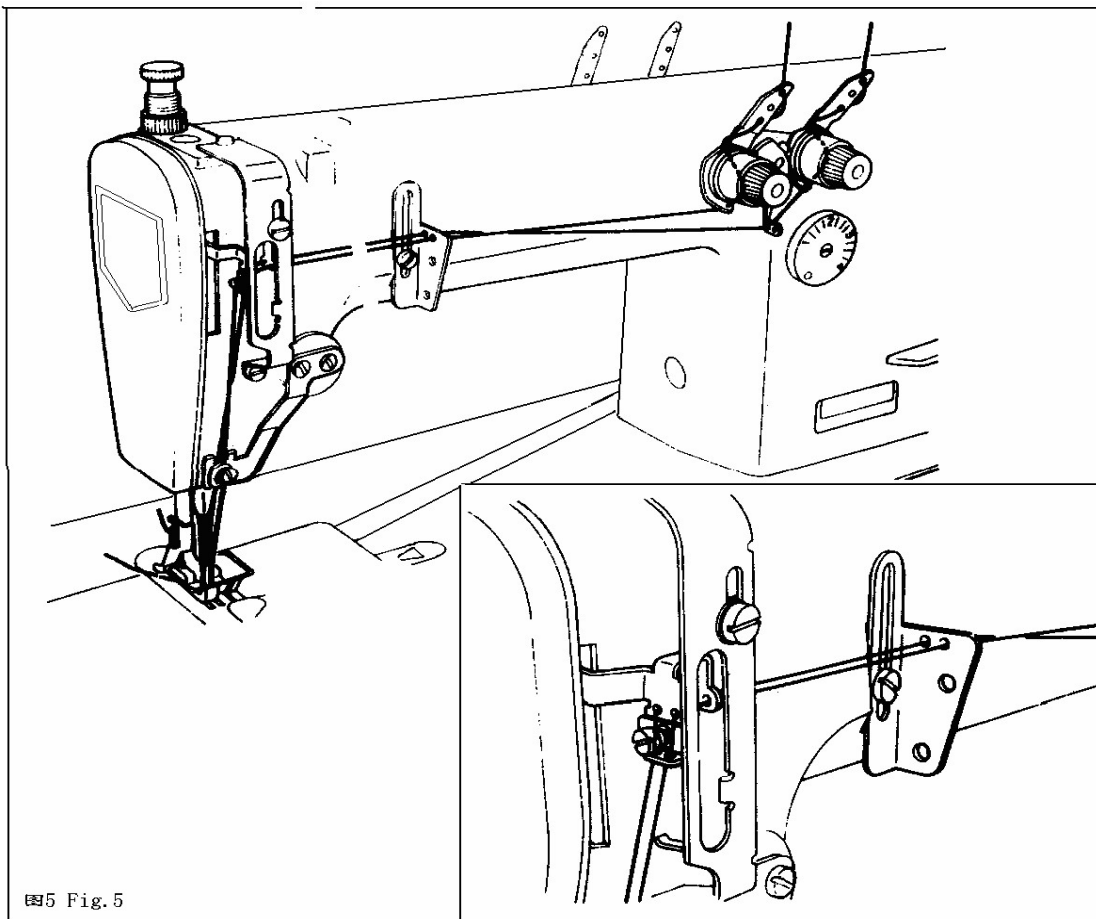
在針桿上升到最高位置時,按圖5所示順序依次穿過各線孔.

1. 線從操作者一側向外穿過機針.
2. 面線穿過機針後必須再拉出100mm長線頭.

7、The threading of needle thread.

To thread the eyes of the needles in the order as shown in Fig.5 :

1. To make thread go through the eye of the needle outwards. (View from the operator's side)
2. To pull out 100mm of the remaining thread after needle thread going through the eyes of the needles.



八、底線的穿法(圖6、圖7)

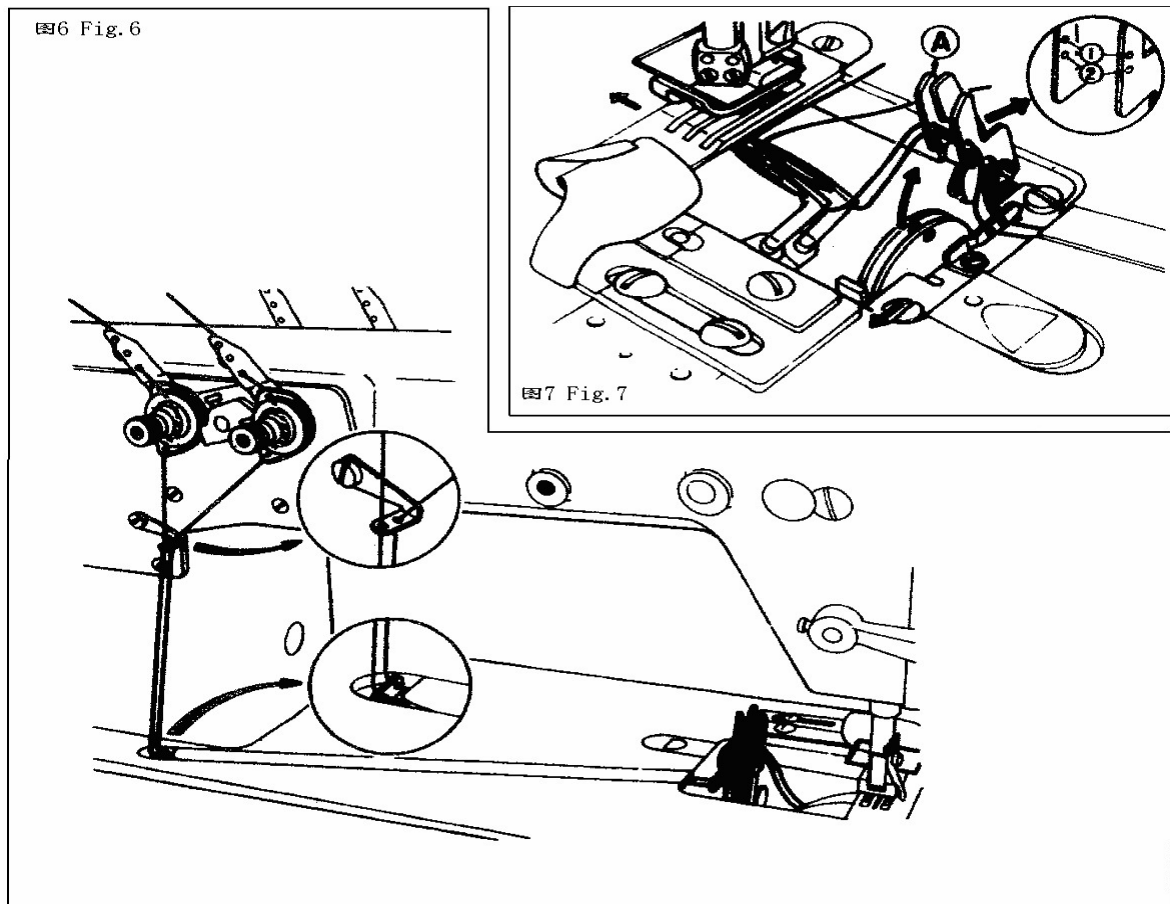
底線按圖示順序依次穿過各線孔。

1. 按圖6 所示穿過夾線器單面導線板,如用撚度大的線或縫紉時需送料距大的時候應穿二個孔。
2. 把圖中的扳簧朝操作人員側拉,A 就向上抬起。
3. 穿彎針線時,用附件中的鑷子按圖所示將線穿過,在彎針的前端拉出50mm長線頭。

8、The threading of bobbin thread(Fig.6 and 7)

To make bobbin thread go through the eye of the needle in the order as shown in (Figs.6 and 7) :

1. Make the bobbin thread go through the tensioner guide plate; go through the two holes when thread of harder twist fibre is used and feed gauge is wider than usual.
2. Pull the spring toward the operator, as shown in Fig.7 and part A will rise upwards
3. When threading the looper, the thread shall be made go through the eye of the needle with a tweezer as shown in Fig.7 and 50mm of remaining thread be pulled out



九、夾線器(圖8、圖9、圖10)

面線張力的調節(圖8所示)：向右轉動夾線螺母張力變大。

底線張力的調節(圖9所示)：向右轉動夾線螺母張力變大。

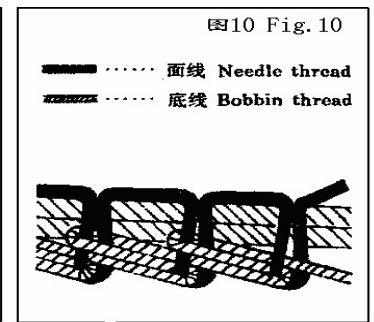
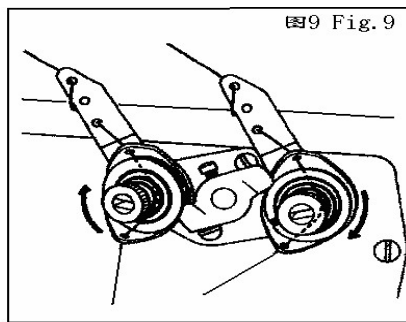
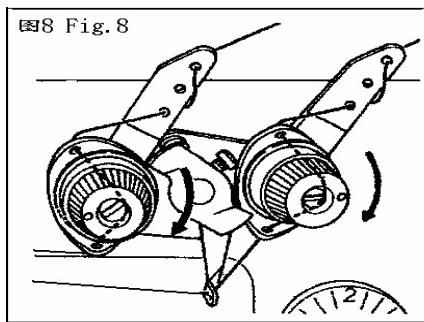
底面線的關係(圖10所示)為鏈式線跡的形成。

9、Thread tension asm.(Figs 8,9 and 10) :

To adjust needle thread tension in accordance with sewing working condition, we can adjust needle thread tension by tension spring. Turn the tension nut clockwise to increase the tension; turn counter-clockwise to decrease the tension.

To adjust bobbin thread tension :

Turn tension screw clockwise to increase the tension; turn tension screw counter-clockwise to decrease the tension. The relation between the needle thread and the bobbin thread as shown in (Fig.10) depicts the forming of chain stitch.



十、壓腳(圖11、圖12)

壓腳壓力的調節(圖11)：順向轉動壓腳調壓螺釘,壓力增強,反之則壓力減弱.對一般布料而言,壓腳調壓螺釘的標準高度為27~30mm (5公斤)左右。

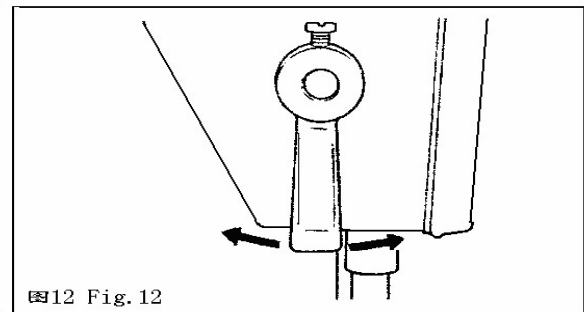
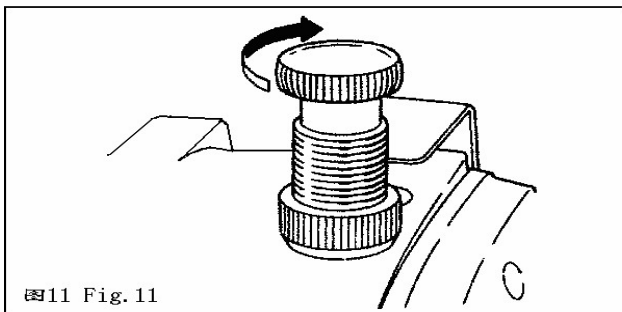
要使壓腳保持在抬起位置,只要把壓腳扳手向左或向右轉動即可(圖12)。

10、Presser foot (Figs.11 and 12) :

Adjustment of pressure on presser foot (Fig.11)

Turn pressure regulating thumb screw clockwise to increase the pressure; turn pressure-regulating thumb screw counter-clockwise to decrease the pressure. For general fabric the standard height of pressure regulating thumb screw is about 27~30mm (5Kg.)

The presser bar lifter shall be turned either leftward or rightward in order to keep the presser foot under the condition of lifting position.



十一、針距的調節(圖13)

1. 針跡長度的調節(圖13)只要旋轉倒送料扳手上的針距調節旋扭至所需數字即可，旋扭上刻度的數字用mm表示。
2. 針跡從大到小改變送料刻度時，應一邊將倒送料扳手朝下壓，一邊轉動送料距旋扭。
3. 針跡長度最大是4mm，最小是1.4mm。
4. 按下倒送料扳手，針跡變為緊密縫(1.4mm)，該功能可用於起始縫和終止縫，或需加強縫紉的部份。
5. 本機不能進行倒縫。

11、To adjust stitch length (Fig.13)

1. Turn feed regulating dial to the figure desired. The value of graduation is shown in millimetre(mm).
2. If you intend to change the stitch length, press down the reverse feed lever while turning the feed regulating dial.
3. Max. stitch length is 4mm : Min. stitch length is 1.4mm.
4. When reverse feed lever is pressed down, right-needle stitch of 1.4mm will be formed; this version of stitch is suitable for beginning and end seaming or bartacking.
5. The machine can not make reverse stitching.

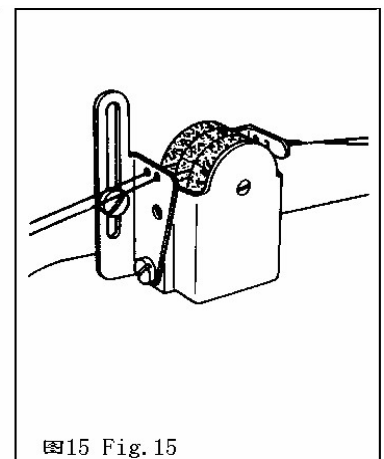
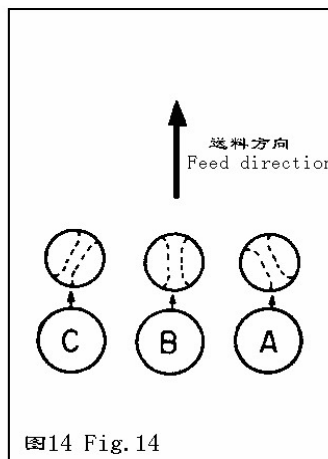
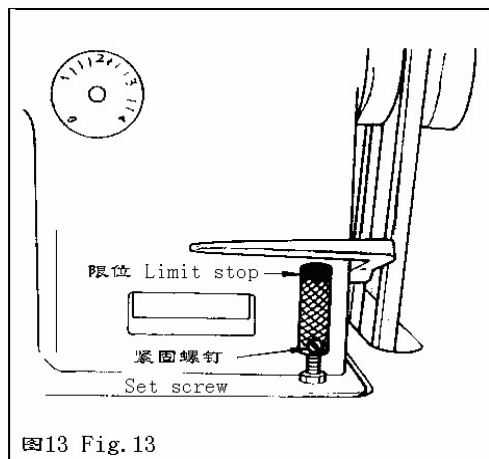
十二、針距的安裝(圖14、圖15)

在使用化纖線時，機針針孔的方向不能如(圖14)中C的方向安裝。

機針請使用TV×7的#14~#21或UY128GAS #14~#20型機針。用化纖線縫製時，可按(圖15)所示形式放置矽油，油箱應另外定制。

12、Setting-up of the needle :

When thread of chemical fibre is used, the direction of the needle eye shall not be in that one, as shown in part C of Fig.14. Needle types be desired fall within the range of #14 to #21 of TV×7; the specifically numbered needle of #14 to #20 of UY128GAS is also acceptable. Oil tank shall be custom-made when thread of chemical fibre is used; silicone oil can be placed like that, as indicated in Fig.15.



十三、壓腳高度的調節(圖16)

為了調換壓腳或改變壓腳高度，角度需要：

1. 拆下面板上的孔塞(圖16)。
2. 旋鬆壓桿導架的緊固螺釘進行調節。

3. 調節後旋緊緊固螺釘

13、Adjustment of the height of the presser bar : (Fig.16)

For the requirements of either replacing the presser foot or changing the height and angle of presser foot, the following shall be observed.

1. Take off the rubber plug in the hole from the face plate, as shown in Fig.16.
2. Loosen the presser bar guide bracket set screw.
3. after adjusting, retighten the screw

十四、送料牙的調節(圖17,圖18)

旋鬆圖18所示螺釘②,送料牙的傾角即可調節成標準型、A型、B型,送料牙最大突出量是0.8mm,用圖17中螺釘①調節.

14. Adjustment of the height of the feed dog(Fig.17 and 18)

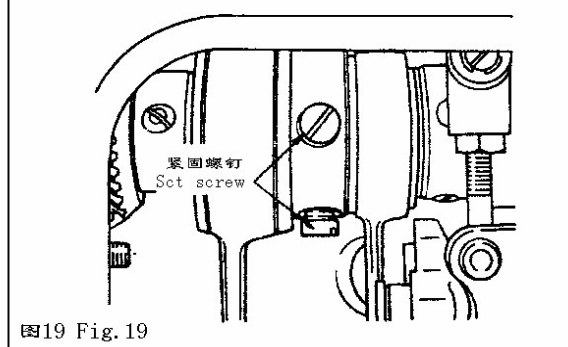
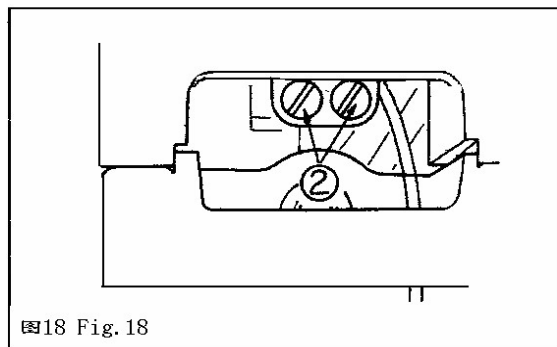
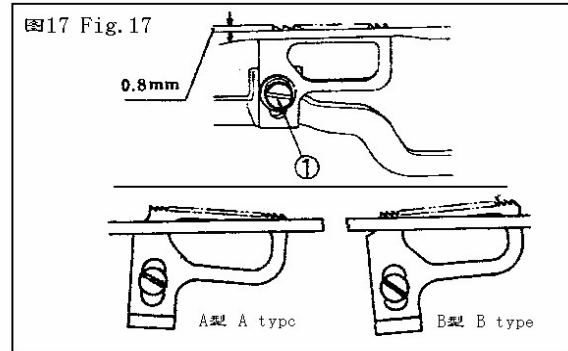
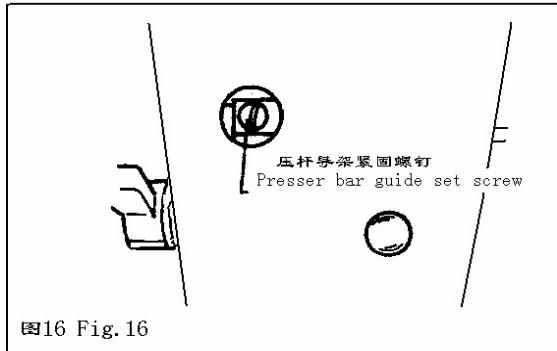
Loosen the set screw ②, as shown in Fig.18, the angle of the feed dog can be adjusted to the specified one of standard version, A version, and B version. The Max.height of 0.8mm of the projection from feed dog is adjustable by the adjusting of screw ① as shown in Fig.17.

十五、送料牙與針的同步(圖19)

針尖下降至針板上平面3mm時,送料牙剛好全部下降至針板上平面以下,此時正好同步.可調節圖19中的螺釘.

15、The timing of feed dog and needle : (Fig.19)

When the point of needle lowering down to the location of 3mm from the upper surface of the throat plate, the feed dog is right at the position below the upper surface of the throat plate, viz. the running of feed dog going well regulated in relation to the motion of needle.



十六、針桿高度的調節(圖20)

使用TV×7機針時,可用針桿上的刻線.針桿在下死點時,針桿上刻線應對準針桿下襯套的下端面(如圖20所示),這樣就決定了針桿的高度.

16、Adjustment of the height of needle bar : (Fig.20)

When the needle of TV×7 is used, if the graduation on the needle bar is at the bottom deadcentre, the mark of graduation shall be in line with the lower end of the needle bar bushing, lower, as indicated in Fig20.

十七、機針和彎針的調節(圖21、圖22)

彎針前後運動量的調節：

按如下順序調節可得彎針橢圓運動中(圖21)所示的B尺寸,通常B的尺寸在最大時為3.7mm,各種規格的機針都能縫紉.

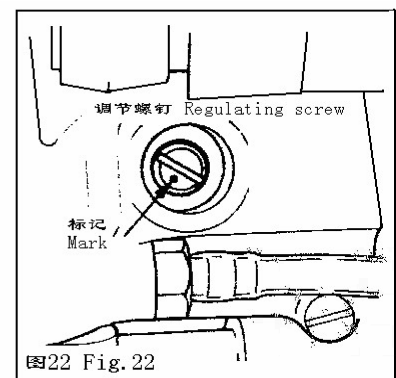
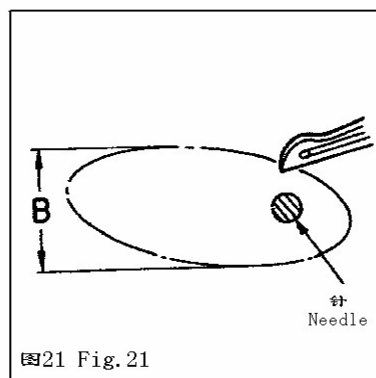
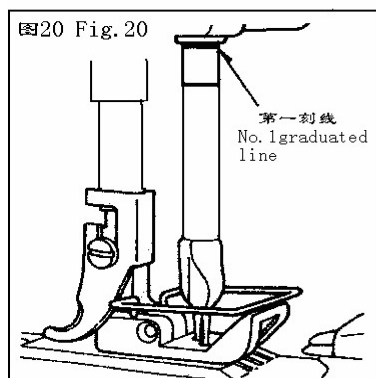
1. 拆下彎針曲柄罩殼上的橡膠塞(圖22).
2. 用手轉動上輪.
3. 先旋鬆定位螺釘和緊固螺釘,調節有標號的螺釘.
4. 把調節螺釘上的沖印標記向右旋轉,則B的尺寸就會變大,反之變小.
5. 旋緊定位螺釘和緊固螺釘.

17、Adjustment of the needle and looper(Figs.21 and 22)

Adjustment of forward & backward motion of the looper : The dimension of part B of the looper in an elliptic motion can be measured, (refer to Fig.21). The max. dimension of part B is usually 3.7mm, suitable for sewing operation of needles of all kinds of sizes.

The adjusting procedure is as follows :

1. Take off the rubber plug on the crank case of the looper(refer to Fig.22)
2. Turn the balance wheel by hand.
3. First loosen set screw and positioning screw, and then adjust marked screw.
4. Turn clockwise the adjustable screw on which punch mark is printed, and The dimension of part B will be increased in value.
5. Tighten set screw and positioning screw.



十八、彎針相對機針的同步(圖23)

機針在最低點時,彎針退到最後,旋鬆圖示齒輪的螺釘進行同步調整(如圖23).

18、The timing of looper in reference to needle(Fig.23)

The looper shall be moved backward to the lowest position while the needle is at

the bottom dead centre; loosen the screw on the gear and make riming adjustment of the looper in relation to the needle (refer to Fig.23).

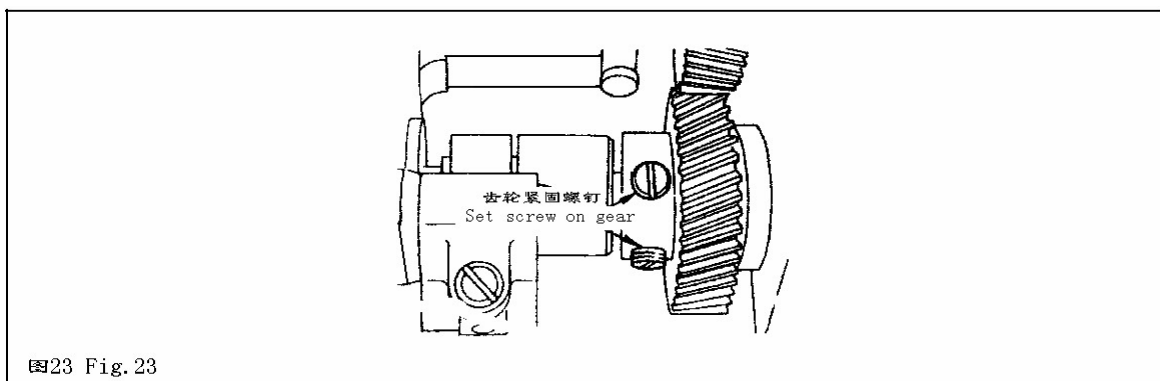


图23 Fig. 23

十九. 彎針的勾取量(圖24)

1. 彎針的針尖到達機針的中心位置時, 彎針針尖離機針孔上端的距離標準值是2mm, 此時針桿下刻線和針桿下襯套下端面對齊.(如圖24)
2. 彎針的後退量約3.5mm .
3. 機針和彎針孔的相對關係如圖24所示.(左右彎針可以分別調整)

19. Thread- guiding amount of the looper (refer to Fig.24)

1. The standard value of the vertical distance of the point of the looper away from the upper end of the eye of the needle is 2mm, then the graduation mark on the lower part of the needle bar shall be in line with the lower end of the needle bar bushing, lower.(refer to Fig.24)
2. The value of the stroke moved backward by the looper is about 3.5mm .
3. The relation between the eye of the needle and the eye of the looper is indicated in Fig.24.

(Note that the left looper and the right one can be separately adjusted).

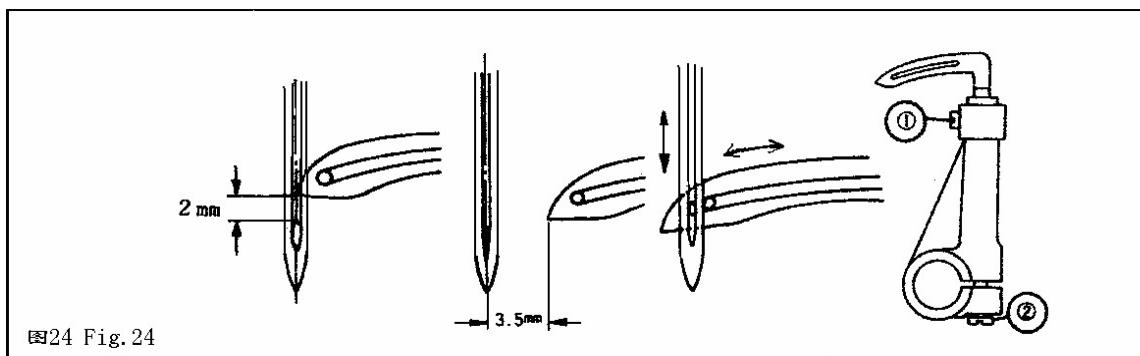


图24 Fig. 24

二十、彎針和機針間和間隙

保針架調整後,機針和彎針間應留有一定間隙,即用手指輕壓機針,機針也不應碰到彎針針尖.如果間隙太小了,機針的側面與彎針針尖就會因相互碰撞而損傷.

20、The clearance of looper and needle :

After adjusting the needle guard, the clearance of a given value between the needle and the looper shall be kept unchanged; the needle shall not touch at the point of the looper when it is pressed down softly. If the clearance is narrower than

usual, the side of the needle and the point of the looper are apt to incur breakage due to the impact of the needle side against the looper point

二十一、保針架的同步(圖25)

保針架的同步,由(圖25)中第一螺釘旋入彎針軸上的平面而決定.

21、The timing of needle guard : (Fig.25)

The timing of the needle guard depends on the condition of the plane on the rock shaft of the looper when no.1 screw has been screwed into this rock shaft.

二十二、保針架的位置(圖26)

擺動保針架位置,使彎針勾取面線時讓機針的針尖輕輕觸及保針架,其高度應調整到不觸及固定保針架範圍,旋鬆(圖26)中螺釘①②即可進行調節.

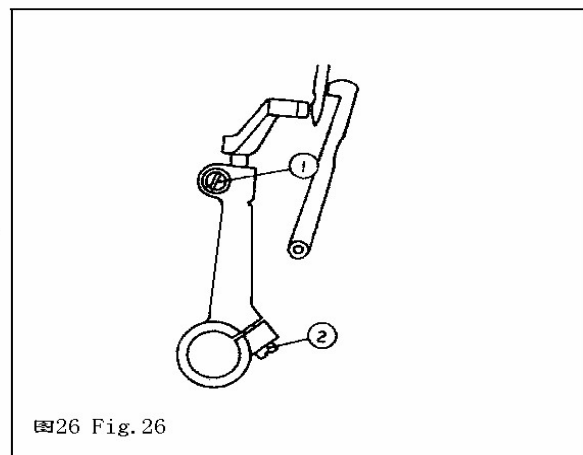
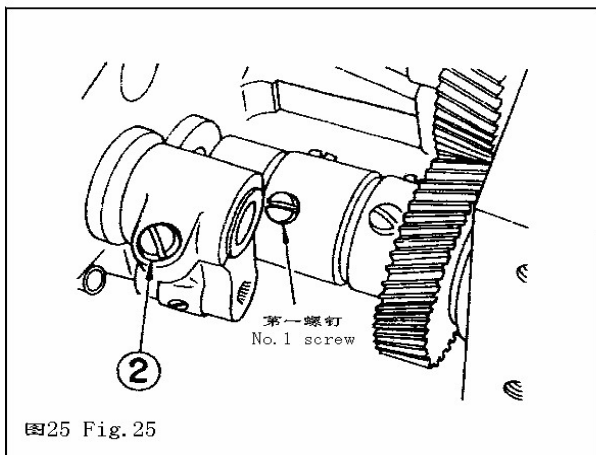
固定保針架和擺動保針架之間的關係(如圖26)所示,與機針的間隙為0.1~0.2mm,縫紉機運轉時不能強行夾住機針.

22、Position of needle guard: (Fig.26)

Oscillating the needle guard to make the needle tip contact with needle gauge slightly.

It is recommended that the height adjustment shall not fall within the area of the left counter needle guard; the adjustment can be made by loosening screws 1 and 2. The relation between left counter needle guard and the counter needle guard is as represented in Fig.26; the clearance from the needle falls within the range of 0.1 to 0.2mm.

Note that the forced clamp of the needle shall be prohibited when the machine is in motion.



二十三、底線打線凸輪(圖27)

底線打線凸輪的位置如圖27所示,針桿在最高點時,打線凸輪平面部分和鋼絲平行部分的夾角為18°~20°,旋鬆螺釘B進行調整,位置決定後再旋緊.

調整時注意下列事項:底線從打線凸輪的突端A脫出時,針尖要完全進入底線彎針的線環中.

23、Looper thread take-up cam : (Fig.27)

Its position can be seen as shown in Fig.27 When the needle bar is at the top deadcentre, the planes of the cam and the steel wire are in parallelism; the projecting

part of the cam can slightly rise at the angle of 18 to 20 degrees; first loosen screw B, and then make adjustment, finally tighten the screw firmly. Pay close attention to the following : The needle tip shall entirely come into the thread loop of the looper when the bobbin thread rejecting from the projecting part of the cam.

二十四、挑線桿線量調節板的位置(圖28)

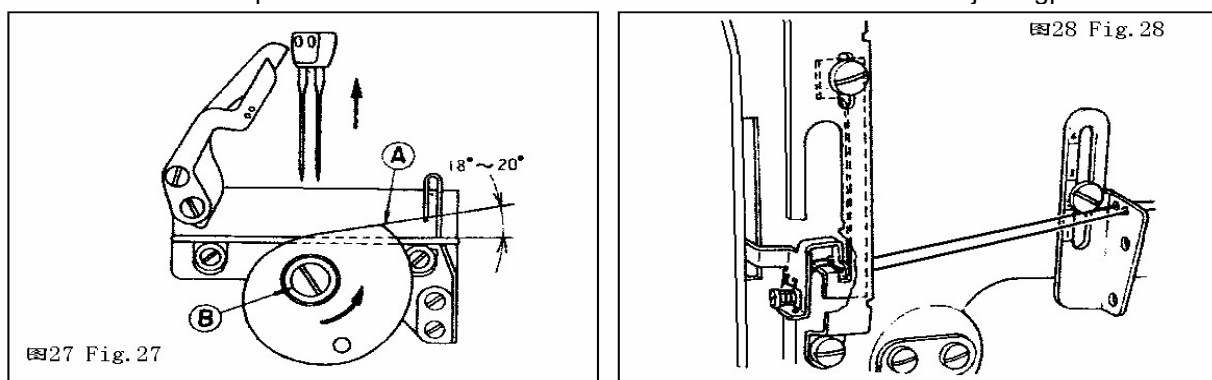
針桿在最低點時,如圖28所示,用挑線桿線量調節板擋住面線,這樣勾取面線時,面線線環變大.

此外,針桿在最低處時,也有拉緊面線線環的作用,通常在使用較細的縫線時,應把線量調節板降到最低點.

24、The position of the thread-amount adjusting plate of the head take-up lever : (Fig.28)

The thread-amount adjusting plate will retain the bobbin thread when the needle bar is at the bottom dead centre; in such a way the loop of the needle thread is to become bigger when the needle thread is hooked. In addition to the foregoing there is a function of the tight pulling of the needle thread loop. The thread-amount adjusting plate usually reduces to the lowest point when a thread finer than normal is used.

Note that take-up thread tension lever is another name for thread-amount adjusting plate.



二十五、中間導線鉤(圖29)

中間導線鉤的位置也關係到跳針現象的發生,一般把下列位置作為基準(圖29)

棉線#80~#50	中間導線鉤刻度2-3
棉線#30~#20	中間導線鉤刻度3-4
化纖線#80~#50	中間導線鉤刻度1-2
化纖線#30~#20	中間導線鉤刻度2-3

25、Frame thread eyelet : (Fig.29)

The improper-positioning of the frame thread eyelet may be the cause of occurrence of skipping stitch.

The following locations are generally regarded as criteria(refer to Fig.29)

Cotton thread #80~#50	Graduation marked on the frame thread eyelet 2-3
Cotton thread #30~#20	Graduation marked on the frame thread eyelet 3-4
Thread of chemical fibre #80~#50	Graduation marked on the frame thread eyelet 1-2
Thread of chemical fibre #30~#20	Graduation marked on the frame thread eyelet 2-3

二十六、針板的調換(圖30)

針板出廠標準規格為1/4"(6.4mm).(圖30)

改變縫線間距通常同時要更換：

1. 針夾
2. 活壓腳
3. 針板
4. 送料牙
5. 擺動護針桿
6. 捲邊器

左彎針和右彎針在1/8"~1/2"針板規格之內都通用.針板寬度大時,除上述零件外還要調換推板和凸輪蓋.

26、Replacement of throat plate : (Fig.30)

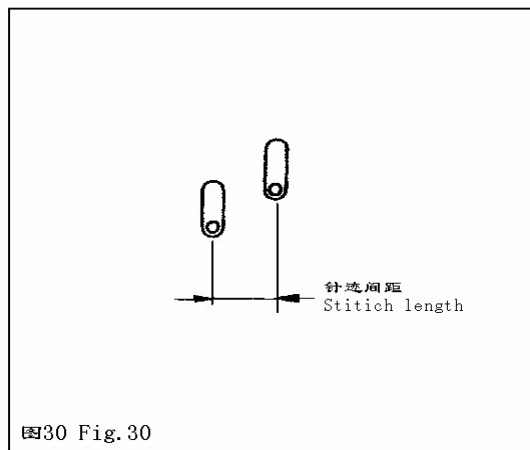
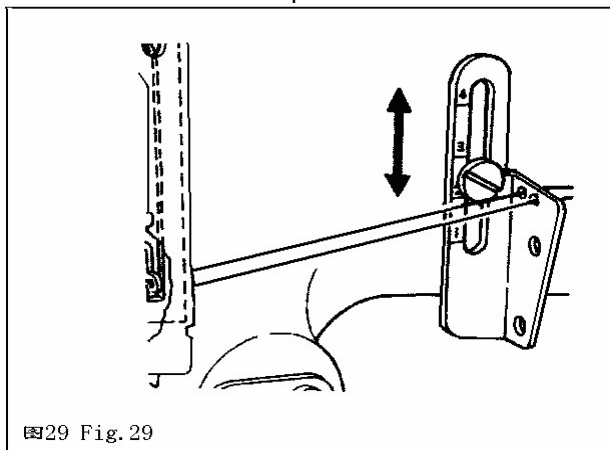
The standard size of the throat plate in parts book, which is stipulated by the manufactory, is 1/4",equivalent to 6.4mm.(Fig.30)

The replacement of the following components is usually needed at the time when changing the gauge of double-row thread stitch.

1. Needle clamp
2. Hinged foot
3. Throat plate
4. Feed dog
5. Rear moving needle guard
6. curler

The left and right loopers within the range of the sizes of 1/8" to 1/2" are interchangeable.

In addition to the aforesaid, the replacement of slide plate and cam cover shall be made when the width of throat plate is on the increase.



二十七、縫紉機的保養

為了使縫紉機保持良好的工作狀態,要做到以下事項：

(一).每日必須檢查的事項：

1. 運轉時,油窗內的油在飛濺.
2. 運轉時,一聽到有異常聲音,即應停止縫紉作業,並請修理工來檢查

(二).每週一次檢查部位：

1. 拆下針板、推板、凸輪蓋,用刷子清洗送料牙槽中的灰塵.
2. 把機頭翻轉,去除油泵過濾網上的垃圾及油盤內的灰塵.
3. 發現潤滑油黑髒時,只需旋下油盤的排油螺釘排空汙油,換入新的潤滑油.
4. 油面必須高於最低線(Low).
5. 用布擦去沾在油盤磁鐵上的黑粉.

27、maintenance of the machine.

The following shall be adhered to in order to keep the machine in good working

condition :

(1).Daily checking :

1. the oil shall spray onto the oil sight when the machine is running.
2. Repairman shall be sent for when abnormal sound is heard during the operation of the machine.

(2).locations to be checked once a week :

1. To take off throat plate, slide plate, and cam cover; to clean dust of the slotted feed dog with a brush.
2. To turn over the head to rid both the oil filter screen on the oil pump and the interior of the oil reservoir of oil stain and dust.
3. Loosen drain hole screw and take it off; drain all the dirty oil from the oil reservoir and reoil it
4. Oil level must be above the lowest oil-level-indicating line marked "Low"
5. The black powder, adhering to the magnet in the oil reservoir shall be wiped with sponge cloth.

二十八、故障和措施

No.	事故內容	原因	對策
1	斷線	<ol style="list-style-type: none"> 1. 縫線品質差 2. 縫線太粗 3. 機針過熱溶斷縫線 4. 縫線張力太強 5. 機針、彎針、針板、保針架過線部份損傷 6. 線量未調節好 	<ol style="list-style-type: none"> 1. 使用品質好的縫線 2. 調換合適的縫線 3. 使用矽油或降低轉速 4. 旋鬆夾線螺母 5. 用油石磨光再拋光 6. 調節線量調節板
2	跳針	1. 面線跳針	<ol style="list-style-type: none"> 1. 調整彎針勾取量 2. 調整彎針與機針的間隙 3. 調整機針同彎針的同步 4. 根據縫線的情況調整線量調節板 5. 調整中間導線鉤的位置 6. 檢查機針安裝是否正確 7. 檢查保針架的位置和同步是否正確 8. 檢查縫線是否穿正確
		2. 底線跳針	<ol style="list-style-type: none"> 1. 按上述面線跳針1.2檢查 2. 檢查底線凸輪的同步 3. 稍微增強底線的張力 4. 檢查縫線穿得是否正確
		3. 使用化纖線時的跳針	<ol style="list-style-type: none"> 1. 使用矽油 2. 降低轉速 3. 使用化纖線用的機針
		4. 使用合成纖維線時的跳針	<ol style="list-style-type: none"> 1. 降低轉速 2. 使用矽油
3	線跡不良	<ol style="list-style-type: none"> 1. 面線張力太弱 2. 底線張力太弱 3. 縫線太粗 4. 中間導線鉤的位置不夠正確 	<ol style="list-style-type: none"> 1. 旋緊面線夾線螺母 2. 旋緊底線夾線螺母 3. 調換大號機針 4. 調整中間導線鉤的位置

		5. 挑線桿線量調節板位置不正確 6. 針板	5. 調整線量調節板的位置 6. 使用針孔大的針板
4	斷針	1. 機針彎 2. 送料和機針不同步 3. 壓腳的安裝有問題 4. 保針架有問題 5. 面線張力過強 6. 機針太粗	1. 調換機針 2. 調整到同步 3. 壓腳孔、針板孔的中心與機針中心要一致 4. 檢查保針架的位置與同步 5. 放鬆面線張力 6. 使用合適的機針
5	起皺	1. 縫線張力過強 2. 底線打線凸輪不同步 3. 各過線處光潔度有問題 4. 壓腳壓力太強	1. 降低縫線張力,特別是底線的張力 2. 進行調節,使其同步 3. 研磨各過線部分 4. 旋鬆調壓螺釘

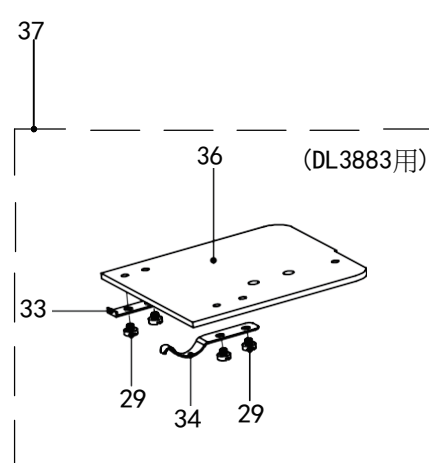
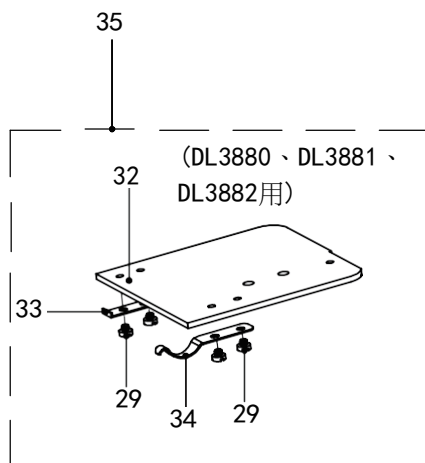
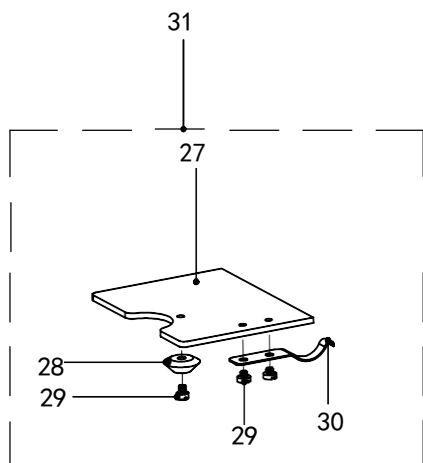
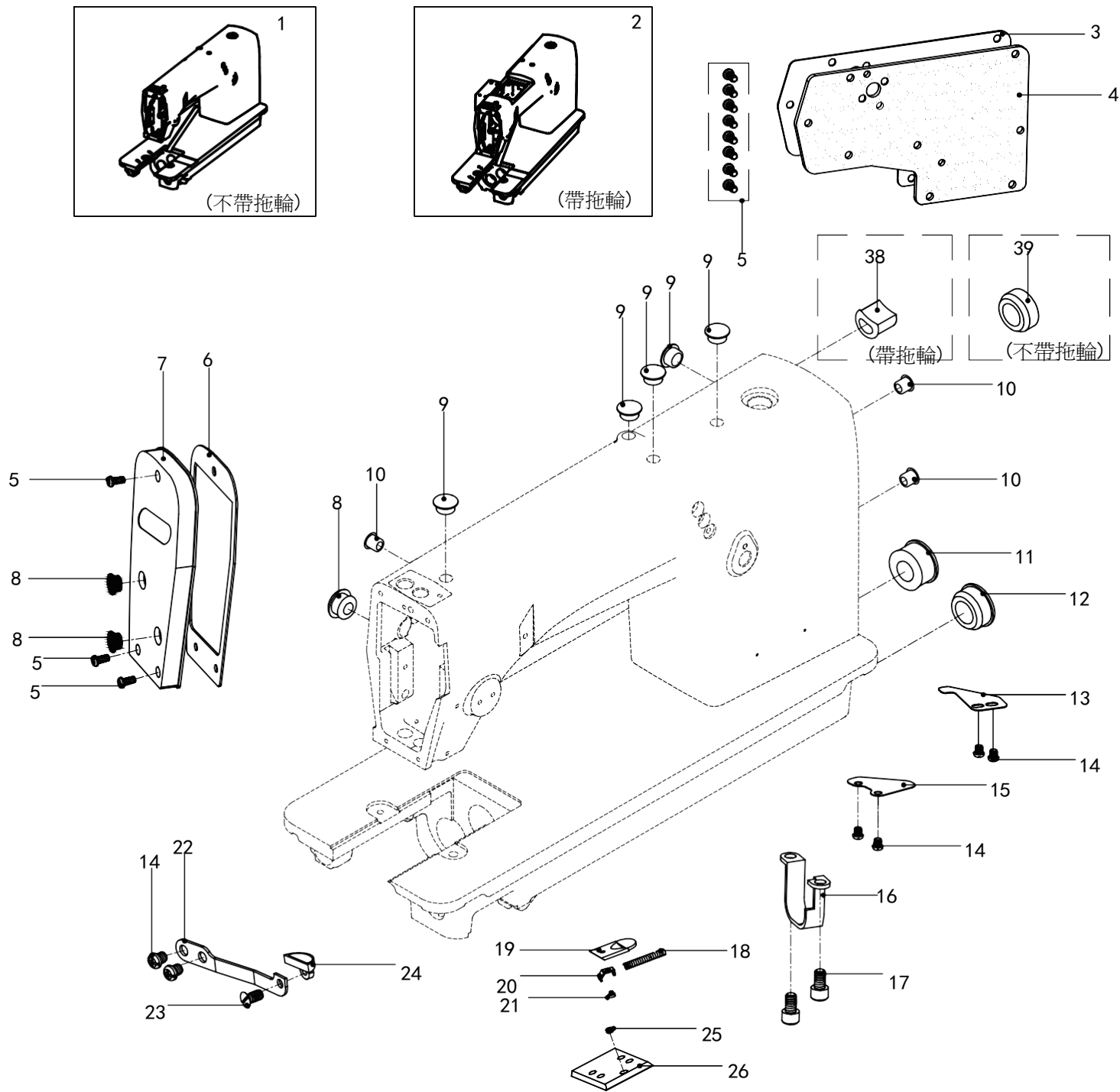
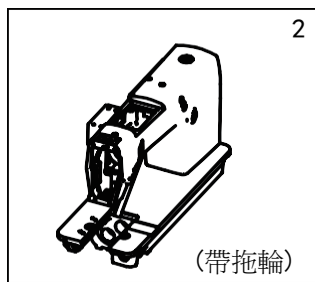
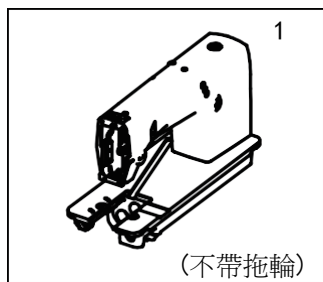
28、Common breakdowns and measures of trouble shooting :

No.	Breakdown	cause	measures to be laken
1	Thread breakage	1. Poor thread quality 2. Thread being too thick 3. Fusing thread due to high temperature of needle caused by machine's operation at high speed 4. Tension being too higher 5. Breakage of needle, looper, throat plate, and needle guard at the location of thread guide 6. Failure to adjust thread amount	1. Quality thread to be used. 2. Replacment to be made by an appropriate thread 3. Silicone oil to be used and speed to bereduced 4. The tension nut to be loosened 5. First grinding with oil stone and then polishing 6. adjusting the thread amount adjusting plate
2	skipping stitch	1. skipping stitch of needle thread (leaking of two stitches due to the looper's failure to hook the needle thread) 2. Skipping stitch of bobbin thread (leaking of onestitch, needle's failure to enter the looper eyelet)	1. adjusting thread-hooking amount of looper 2. adjusting clearance between looper and needle 3. The timing of needle in reference to looper 4. adjusting the thread-amount adjusting plate on thread amount changing conditions. 5. adjusting the frame thread eyelet 6. checking whether the mounting postion of the needle is proper or not 7. To see if the location of needle guard is in an appropriate way and the timing of it is well regulated in relation to another 8. To see if the needle thread threading is in a proper way 1. Reference to the above cases 1 and 2, as to skipping stitch of the needle thread.

			<ol style="list-style-type: none"> To see if the timing of bobbin thread cam has been well regulated. Increasing tension of bobbin thread a bit higher To see if the threading of bobbin thread is in a correct way
		3. Skipping stitch when thread of chemical fibre being in use	<ol style="list-style-type: none"> Using silicone oil Reducing speed Using needle for thread of chemical fibre
		4. Skipping stitch when thread of polyester fibre being in use	<ol style="list-style-type: none"> Reducing speed Silicone oil to be used
3	Twisted stitches	<ol style="list-style-type: none"> needle thread tension being too low. Bobbin thread tension being too low Sewing thread being too thick Improper position of the frame thread eyelet Improper position of thread take-up tension plate Throat plate 	<ol style="list-style-type: none"> Tightening tension nut of needle thread. Tightening tension nut of bobbin thread needle of large size to be used Readjusting it to a proper position Readjusting its position in an appropriate way The eyelet of throat plate to be used being bigger than normal one
4	Breakage of needle	<ol style="list-style-type: none"> needle being bent. The operation of feed dog being not well regulated in reference to the motion of needle Setting-up of the presser foot The problem of the timing of needle guard remaining unsolved needle thread tension being too high needle being too thick 	<ol style="list-style-type: none"> needle to be replaced by another of proper size Readjusting the timing to feed dog in respect to the needle To make both the centre of the hole of the presser foot and the centre of the eyelet of the throat plate be in line with that of the eye of the needle. The positioning & the timing of the needle guard to be taken into account Relaxing needle thread appropriate needle to be used
5	Puckering	<ol style="list-style-type: none"> Thread tension being too high The problem of the timing of the bobbin thread cam for thread guiding failing to be solved The problem of surface finish arising From bobbin thread going through the parts on the thread guide. 	<ol style="list-style-type: none"> Decreasing thread tension, esp. tension of bobbin thread. Readjusting of the very cam said to solve the timing problem Surface finishing all the parts on the thread guide
		4. The force on the presser foot being too great	4. Turning counter-clockwise the pressure-regulating screw.

DL3880
零件樣本
Parts Books

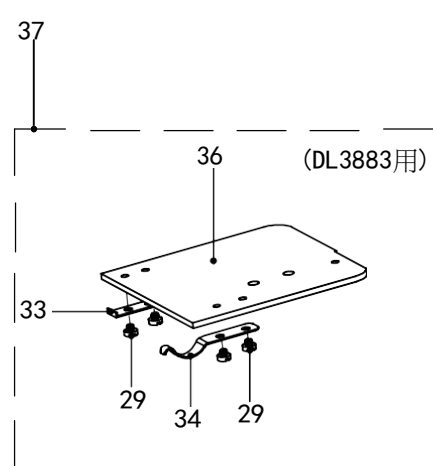
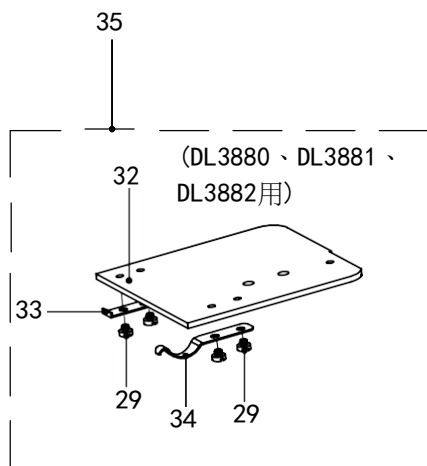
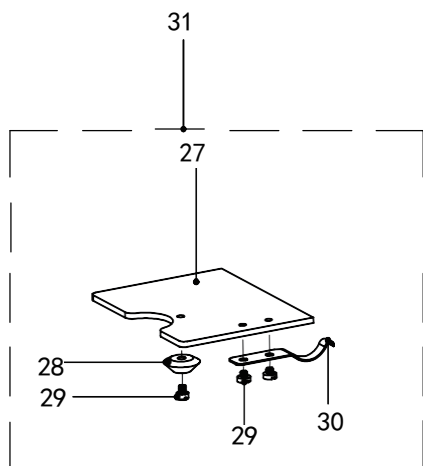
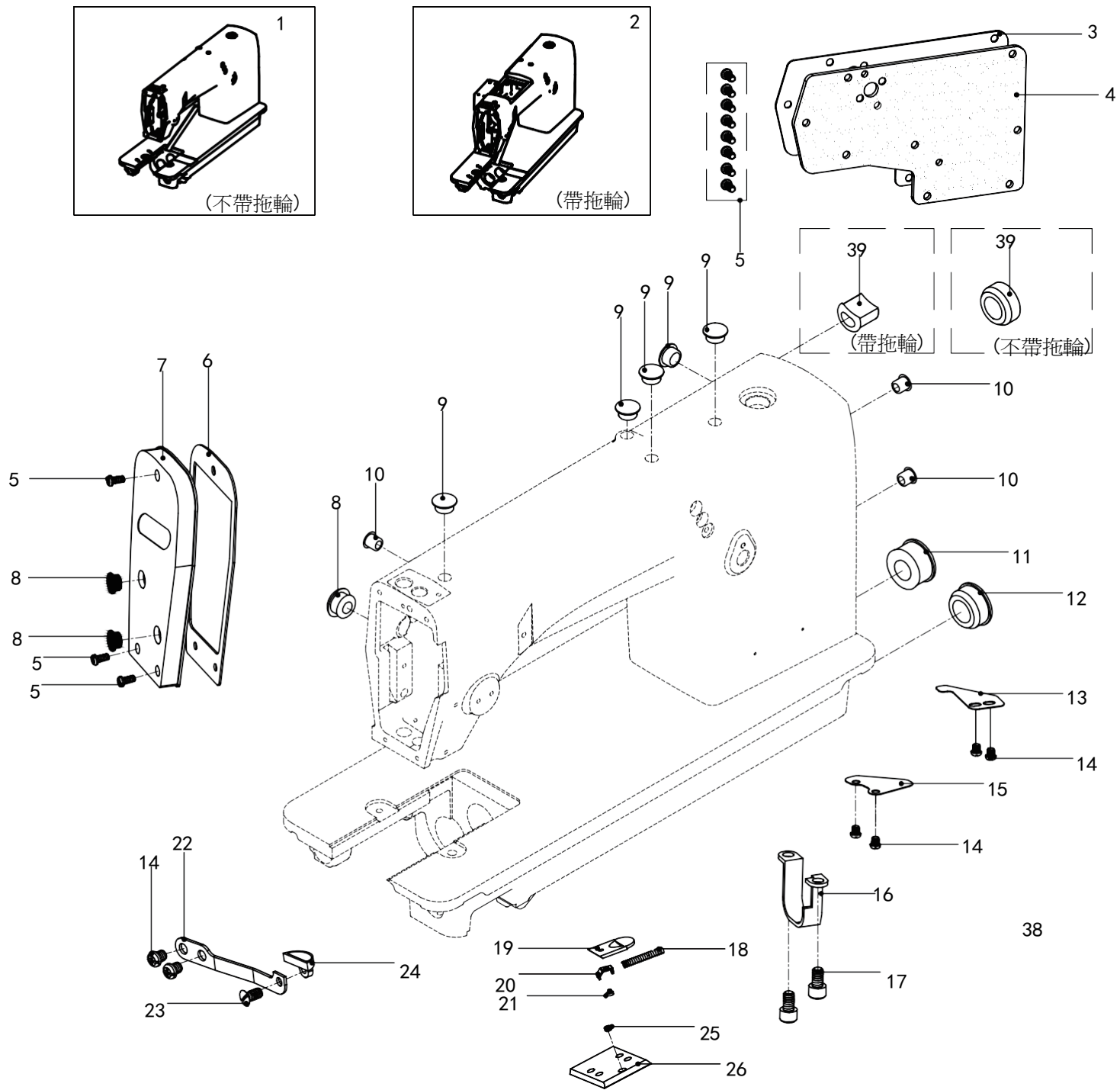
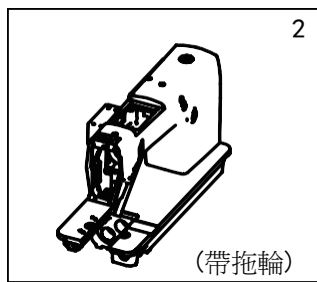
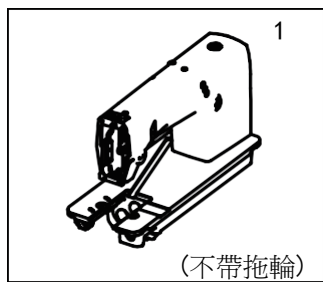
A. 機體部份 Machine frame components



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序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V20-01	機殼/Machine frame	1
2	V20-01-P	機殼/Machine frame	1
3	V01-04	後窗板/Side plate	1
4	V01-05X	後窗板墊/Gasket	1
5	LD00113	螺釘SM4.36-9/Screw SM4.36	11
6	V01-08X	面板墊/Face plate gasket	1
7	V01-07	面板/Face Plate	1
8	V01-40	橡膠塞/Rubber Cap	3
9	V01-39	橡膠塞/Rubber Cap	5
10	V01-38	橡膠塞/Rubber Cap	3
11	V01-43	橡膠塞/Rubber Cap	1
12	V01-42	橡膠塞/Rubber Cap	1
13	V01-36	抬牙軸底板擋油板/Bed oil shield	1
14	LD00158	螺釘SM4.36-5.5/Screw SM4.76	6
15	V01-34	送料軸底板擋油板/Bed oil shield	1
16	V01-03	底板支承板/Bed support	1
17	LD00112	內六角圓柱頭螺釘SM5.95-10/Screw SM5.95	2
18	TH00046	凸輪蓋壓板彈簧/Spring	1
19	V01-11	凸輪蓋壓板/Cam cover latch	1
20	V01-13	凸輪蓋壓板彈簧座/Spring suspension	1
21	LD00114	螺釘SM3.18-2.6/Screw SM3.18	1
22	V01-30	推板鎖簧/Bed slide lock spring	1
23	LD00120	螺釘SM3.18-4/Screw SM3.18	1
24	V01-32	推板簧把手/Latch	1
25	LD00115	螺釘SM5.95-3.4/Screw SM5.95	1
26	V01-15-F	附件安裝板/Attachment installing plate	1
27	V01-25	推板/Bed slide	1
28	V01-28	推板導輪/Bed slide guide	1
29	LD00118	螺釘SM2.38-2.5/Screw SM2.38	7
30	V01-26	推板簧/Spring	1
31	V01-24-ZJ	推板部件/Bed slide asm.	1
32	V01-18	凸輪蓋/Cam cover	1
33	V01-19	凸輪蓋托板/Cam cover	1
34	V01-20	凸輪蓋彈簧/Spring	1
35	V01-17-ZJ	凸輪蓋部件/Cam cover asm	1

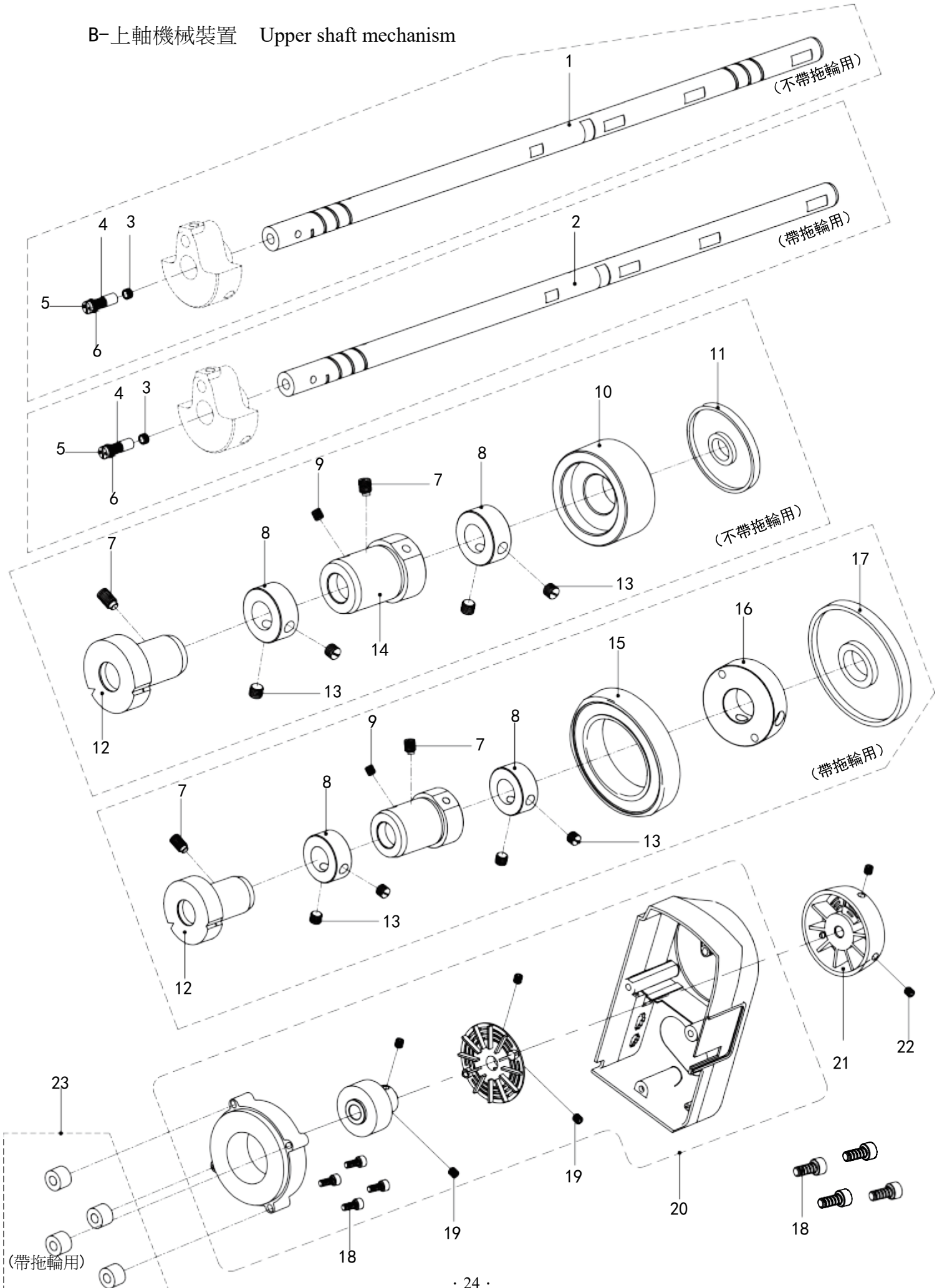
A. 機體部份 Machine frame components



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序號/NO	件號/Part NO	名稱/Description	數量/Num
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37	V17-09-ZJ	凸輪蓋部件/Cam cover asm	1
38	V20-14	橡膠塞/Rubber Cap	1
39	V20-66	橡膠塞/Rubber Cap	1

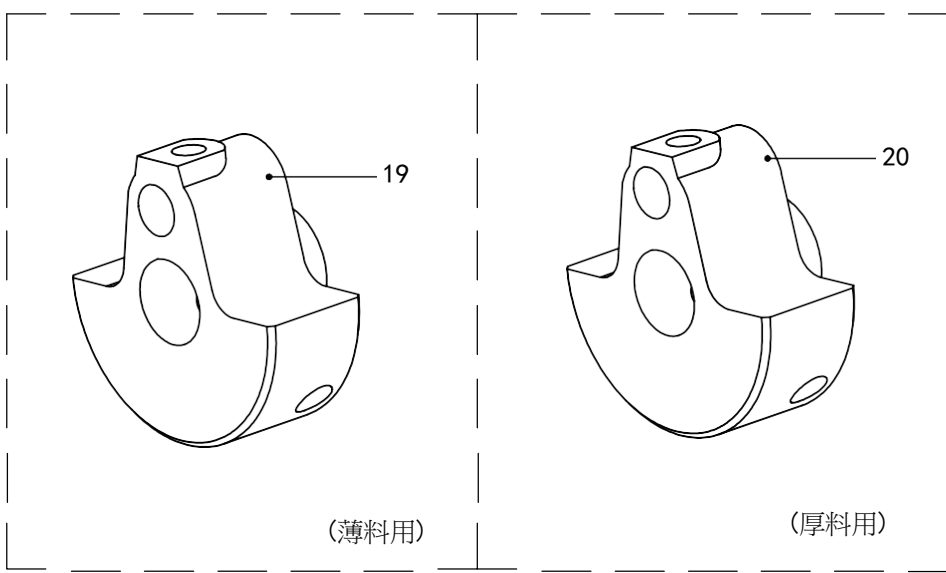
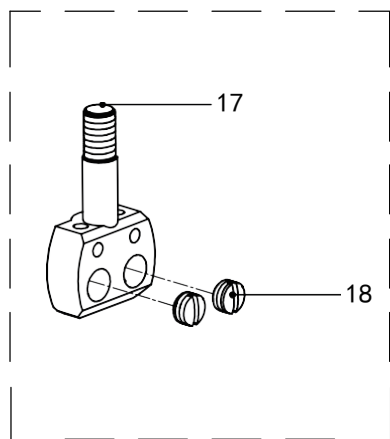
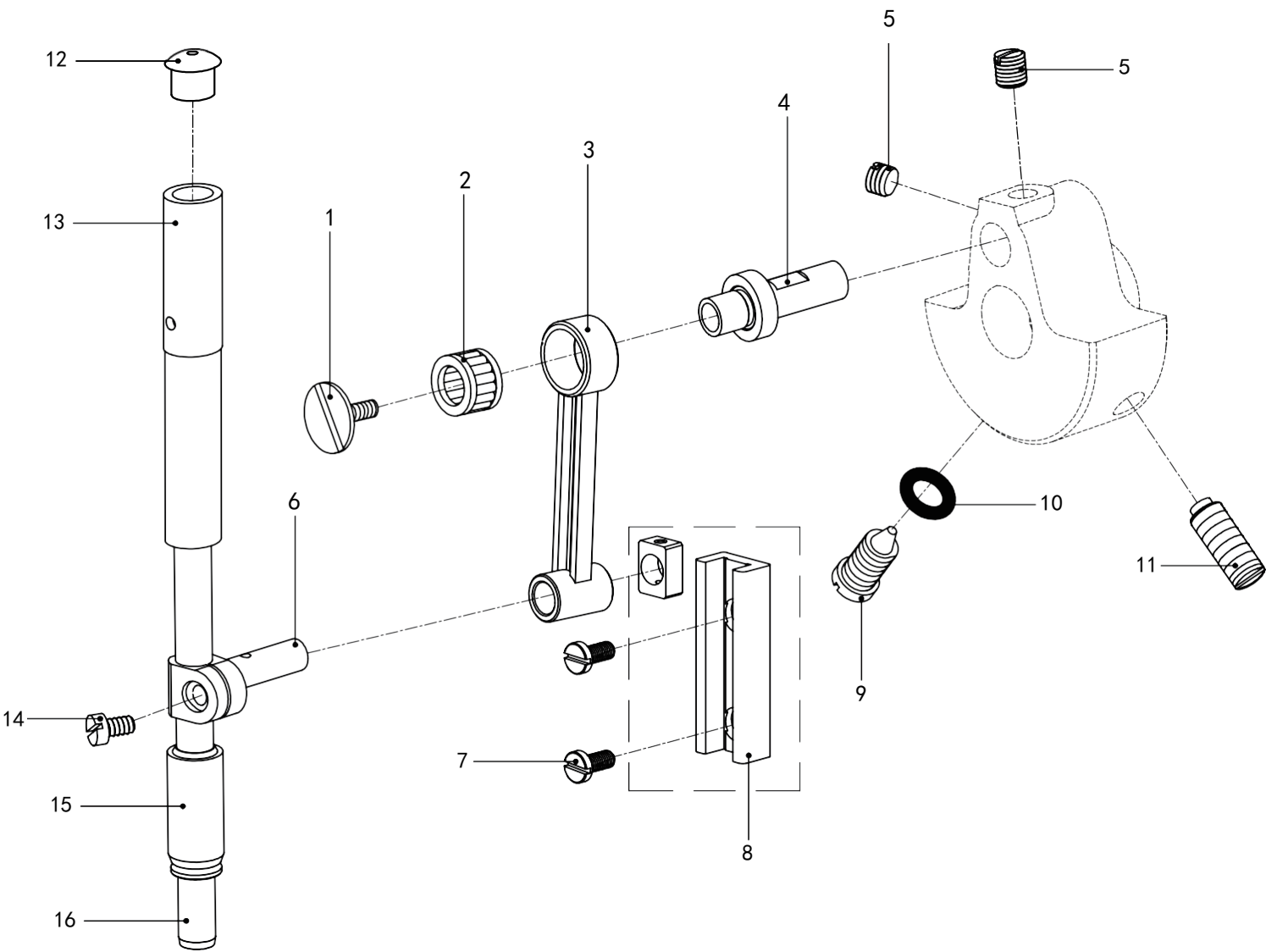
B-上軸機械裝置 Upper shaft mechanism



B-上軸機械裝置 Upper shaft mechanism

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V20-27-DD	上軸/Upper Shaft	1
2	V20-27-DD-P	上軸/Upper Shaft	1
3	V02-13	曲柄油量限制氈/Roller felt	1
4	V02-15	曲柄油量調節銷套/Rubber bushing	1
5	V02-14	曲柄油量調節銷/Crank oil adjusting pin	1
6	OXQ00011	O形圈/O Ring	1
7	V02-12	軸套螺釘/Screw	2
8	V02-07	上軸擋圈/Collar	2
9	LD00126	螺釘SM5. 95-7/Screw SM5.95	1
10	V20-65	上軸後軸套/Main Shaft Bushing (Rear)	1
11	YF00029	油封15X36X7/Oil Seal	1
12	V20-19	上軸前銅套/Copper sets	1
13	LD00356	緊定螺釘SM6. 35-6/Screw SM6.35	4
14	V02-09	上軸中軸套部件/Main shaft bushing intermediate	1
15	ZC00043	軸承/Ball Bearing	1
16	V20-64	軸承套/Ball bearing sets	1
17	YF00020	油封15X55X5/Oil Seal	1
18	LD00122	內六角圓柱頭螺釘M5X25/Screw	8
19	LD00003	內六角緊定螺釘M6X6/Screw	4
20	3880DK-3-01	琦星簡易款一體機/Motor asm.	1
21	V20-04DD	手輪/Hand wheel	1
22	LD00083	內六角緊定螺釘M5X5/Screw	2
23	V20-63	電機墊塊/Motor cushion block	4

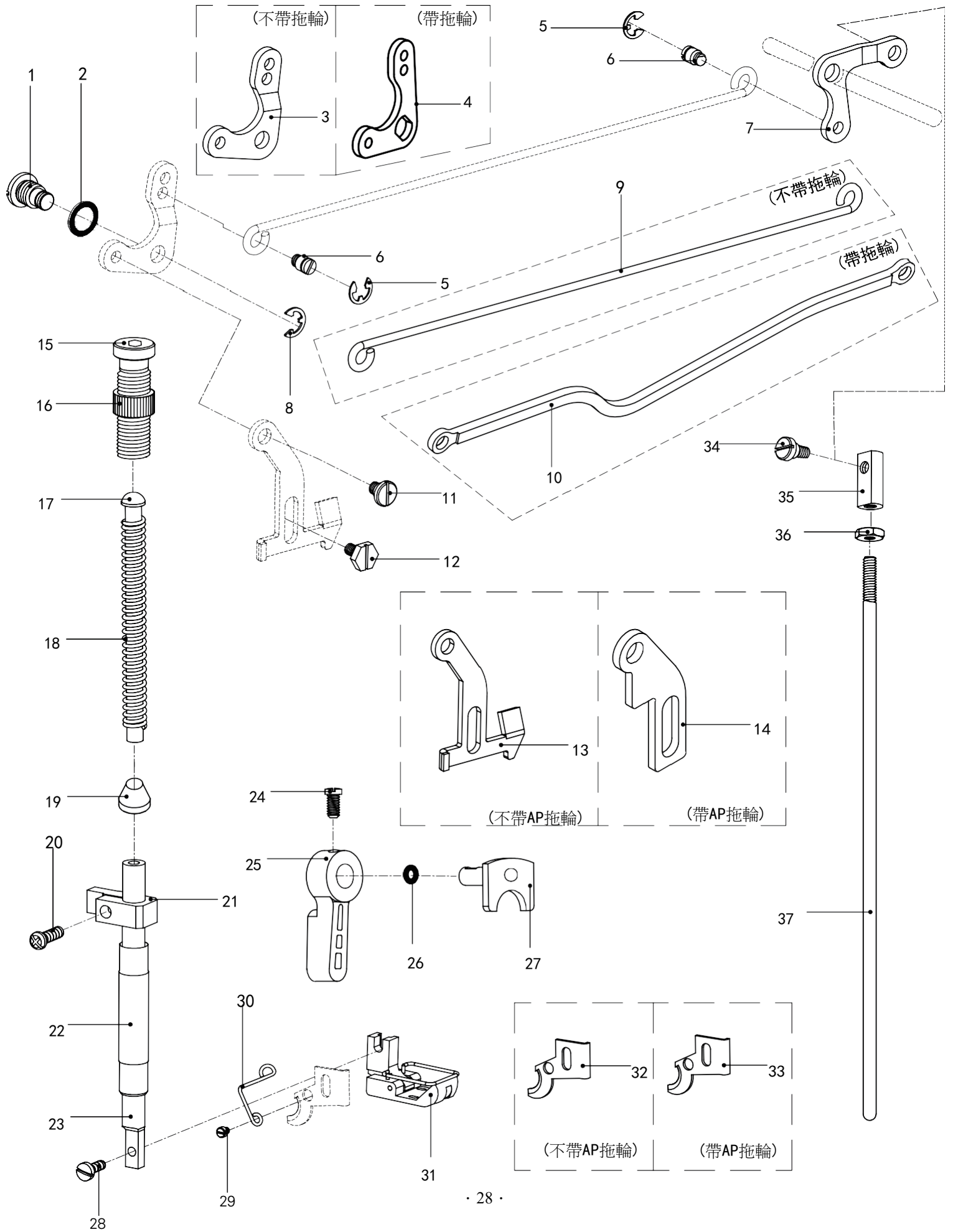
C-針桿裝置 Needle bar mechanism



C-針桿裝置 Needle bar mechanism

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V02-26	針桿連桿左旋螺釘/Left twist screw	1
2	ZC00010	滾針軸承/Ball Bearing	1
3	V02-24	針桿連桿/Connecting Rod	1
4	V02-21	針桿連桿銷/Pin	1
5	LD00143	緊定螺釘SM5. 95-6/Screw SM5.95	2
6	V02-31	針桿抱箍/Needle Bar Clamp	1
7	LD00139	緊定螺釘SM3. 57-8/Screw SM3.57	2
8	V02-38	針桿滑塊槽組件/Needle Bar GuideAssy	1
9	V02-18	定位螺釘SM7. 14-16/Screw SM7.14	1
10	DXQ00012	O形圈/O Ring	1
11	V02-20	緊定螺釘SM7. 14-19/Screw SM7.14	1
12	V02-29	針桿上襯套孔塞/Rubber plug	1
13	V02-27	針桿上襯套/Needle bar bushing	1
14	LD00127	upper 螺釘SM3. 57-6/Screw SM3.57	1
15	V02-30	針桿下套/Needle Bar Bush,Lower	1
16	V02-34	針桿/Needle Bar	1
17	V02-35	針夾(1/4") /Needle clamp	1
18	LD00129	螺釘SM4. 36-2. 8/Screw SM4.36	2
19	V02-17	針桿曲柄/Counterweight asm.	1
20	V02-17H	針桿曲柄/Counterweight asm.	1

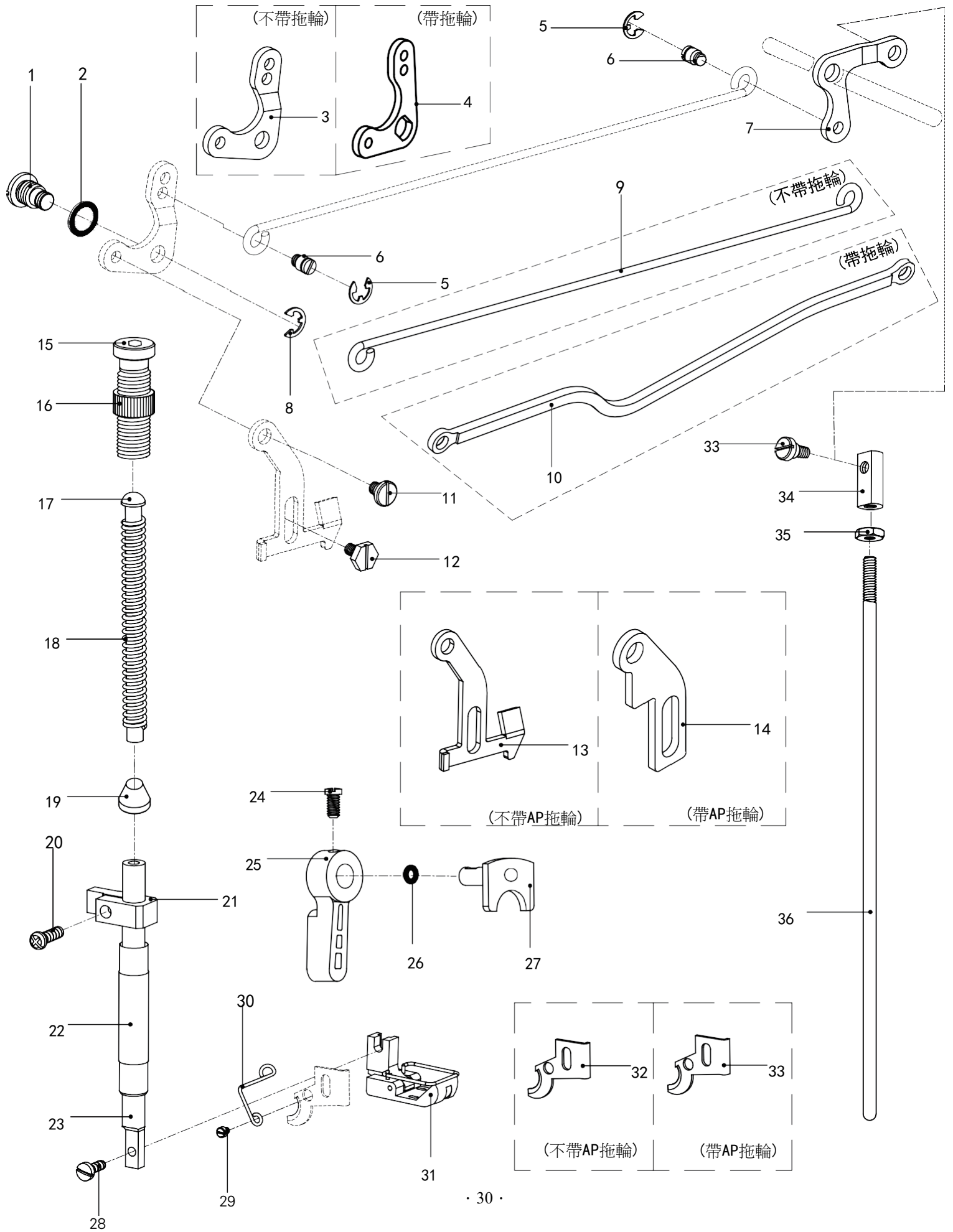
D-壓腳桿裝置 Presser bar mechanism



D-壓腳桿裝置 Presser bar mechanism

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V03-24	前槓桿螺紋銷/Hinge pin	1
2	DQ00038	前槓桿螺紋銷墊圈/Washer	1
3	V03-22	抬壓腳前槓桿/Leverage tablets	1
4	V18-51	抬壓腳前槓桿/Leverage tablets	1
5	TDQ00002	開口擋圈5/Ring	2
6	V03-29	抬壓腳拉桿螺釘/Screw	1
7	V03-31	抬壓腳後槓桿/Lifting lever link rear	1
8	TDQ0006	開口擋圈6/Ring	1
9	V03-28	抬壓腳拉桿/Lifting lever connecting rod	1
10	V20-30	抬壓腳拉桿/Lifting lever connecting rod	1
11	V03-23	前槓桿軸位螺釘/Hinge Screw	1
12	V03-21	升降板軸位螺釘/Hinge Screw	1
13	V03-20	壓腳升降板/Lifting lever	1
14	V19-31	壓腳升降板/Lifting lever	1
15	V03-01-G	調壓螺釘/Presser spring rugulator	1
16	V03-02-G	調壓螺釘螺母/Nut	1
17	V03-03	調壓導桿/Presser bar guide bar	1
18	V03-04	調壓簧/Presser spring	1
19	928D033	壓桿防油套/Presser Bar Defend Oil Set	1
20	LD00130	螺釘SM4. 36-14/Screw SM4.36	1
21	V03-06	壓桿導架/Presser bar guide bracket asm.	1
22	V03-08	壓桿襯套/Presser bar bushing,lower	1
23	V03-05	壓桿/Presser bar	1
24	LD00152	螺釘SM4. 76-9/Screw SM4.76	1
25	V03-15	壓腳扳手/Hand lifter	1
26	DXQ00040	O形圈/O Ring	1
27	V03-1E	壓腳扳手凸輪部件/Hand lifter cam asm.	1
28	LD00132	壓腳螺釘SM3. 57-10. 5/Screw SM3.57	1
29	LD00161	螺釘SM2. 38-3. 6/Screw SM2.38	1
30	V03-1E	切線刀導鉤/Thread knife guide	1
31	V03-10	壓腳部件1/4" /Presser foot asm.	1
32	V03-1E	切線刀/Thread knife	1
33	V03-12-PLB	切線刀/Thread knife	1
34	V03-32	後槓桿軸位螺釘/Hinge Screw	1
35	V03-33	抬壓腳頂桿接頭/Swivel	1

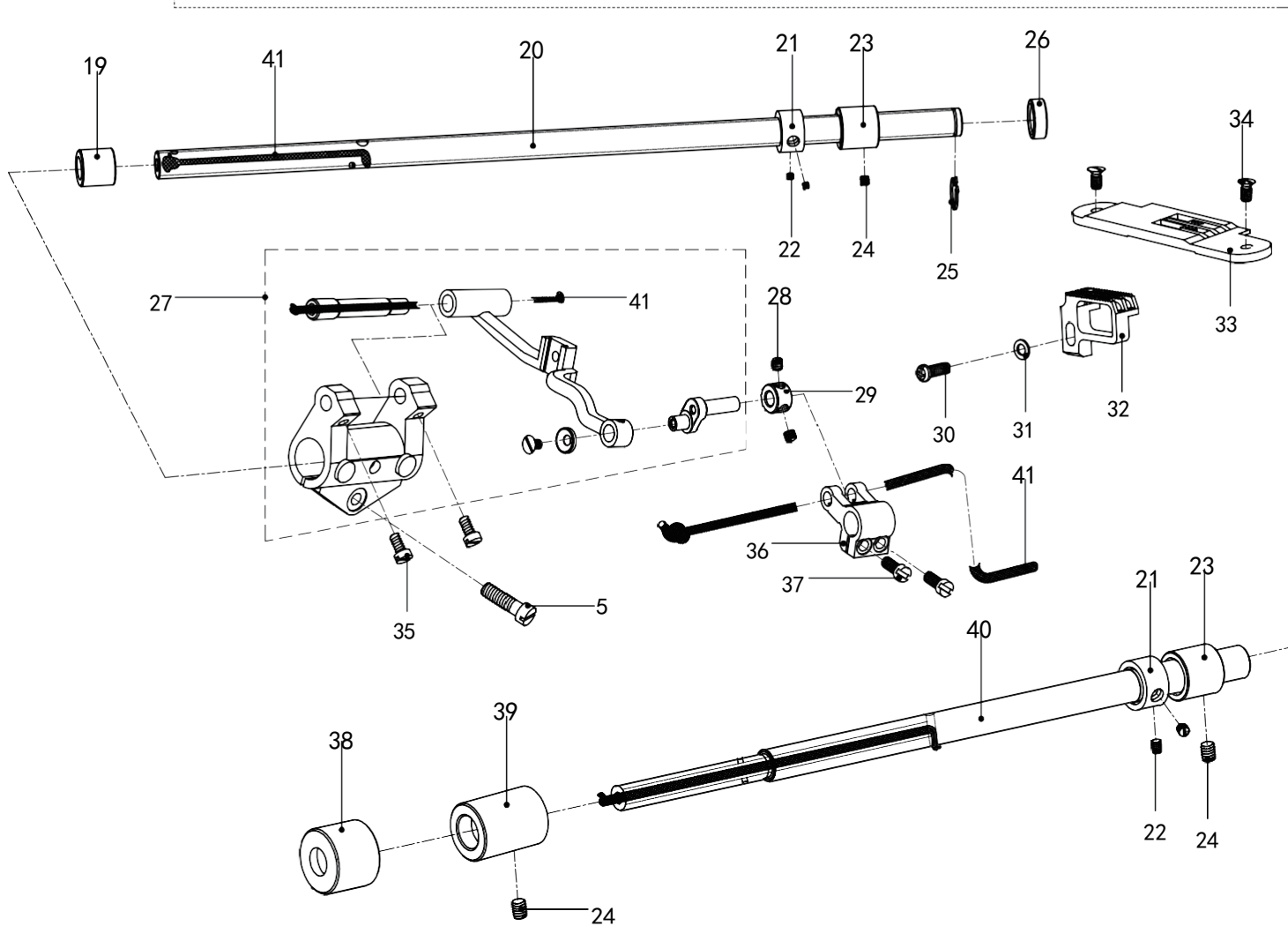
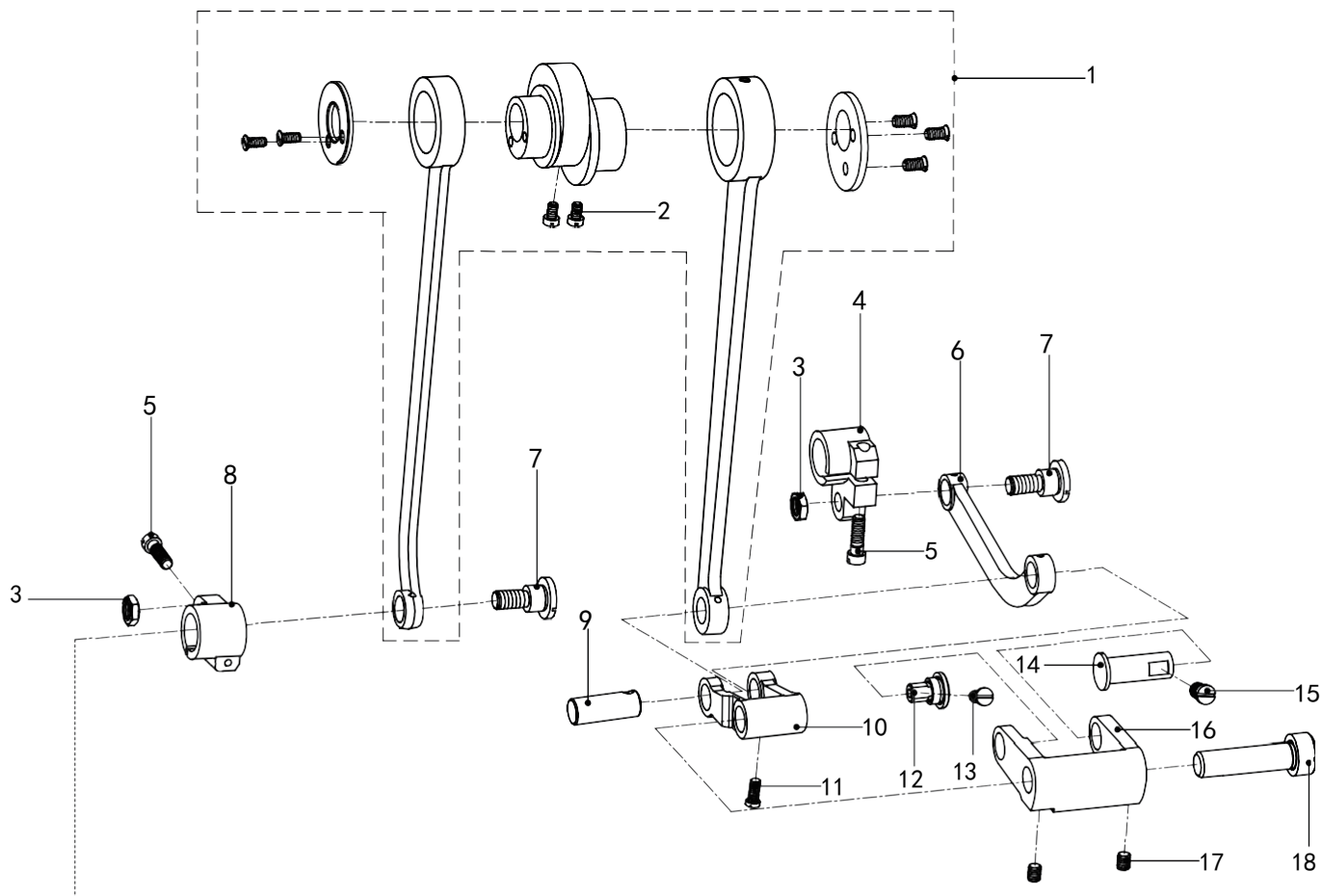
D-壓腳桿裝置 Presser bar mechanism



D-壓腳桿裝置 Presser bar mechanism

序號/NO	件號/Part NO	名稱/Description	數量/Num
36	LM00008	螺母SM4.76/Nut SM4.76	1
37	V03-34	抬壓腳頂桿/lifting lever connecting rod,vertical	1

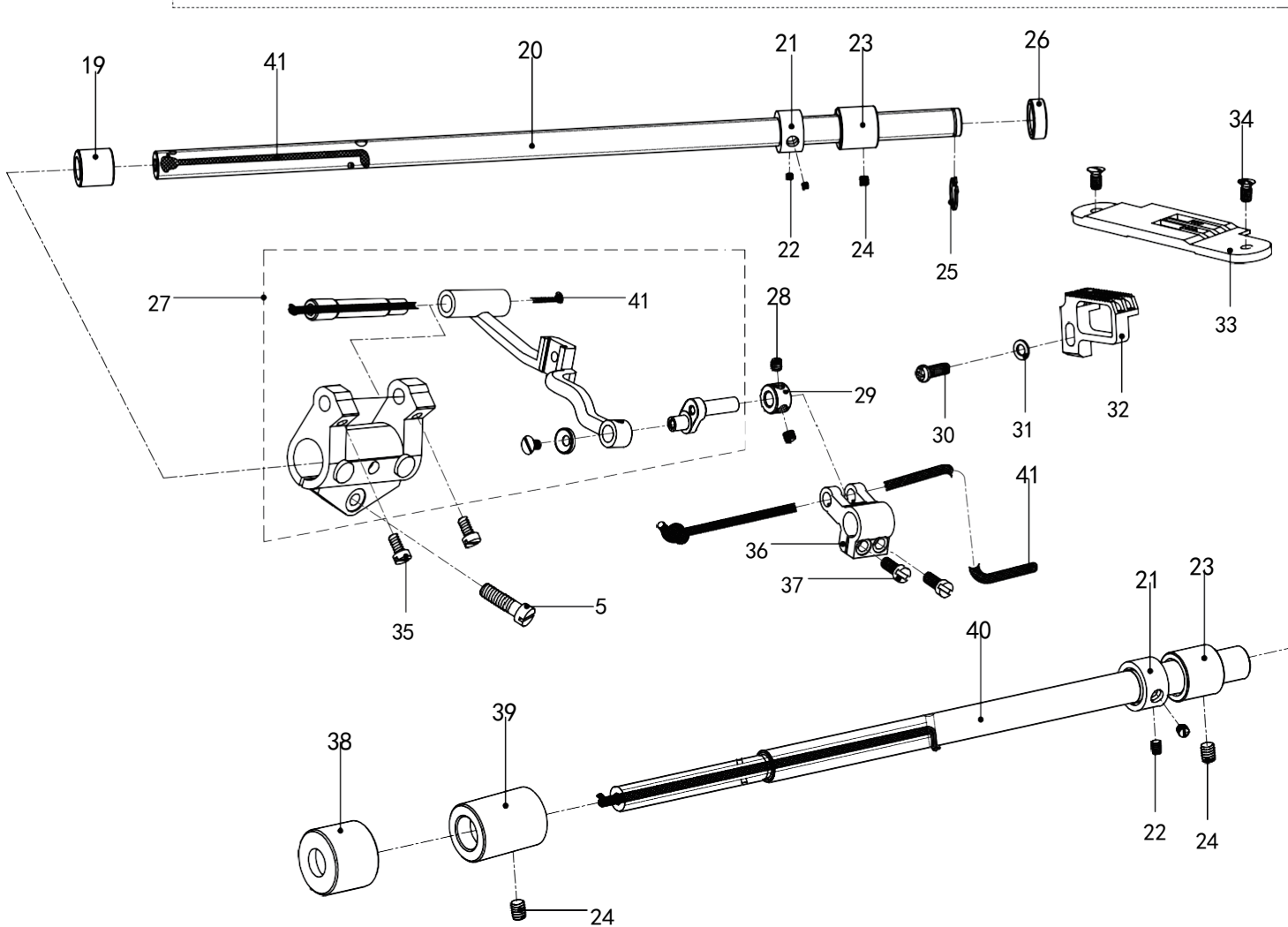
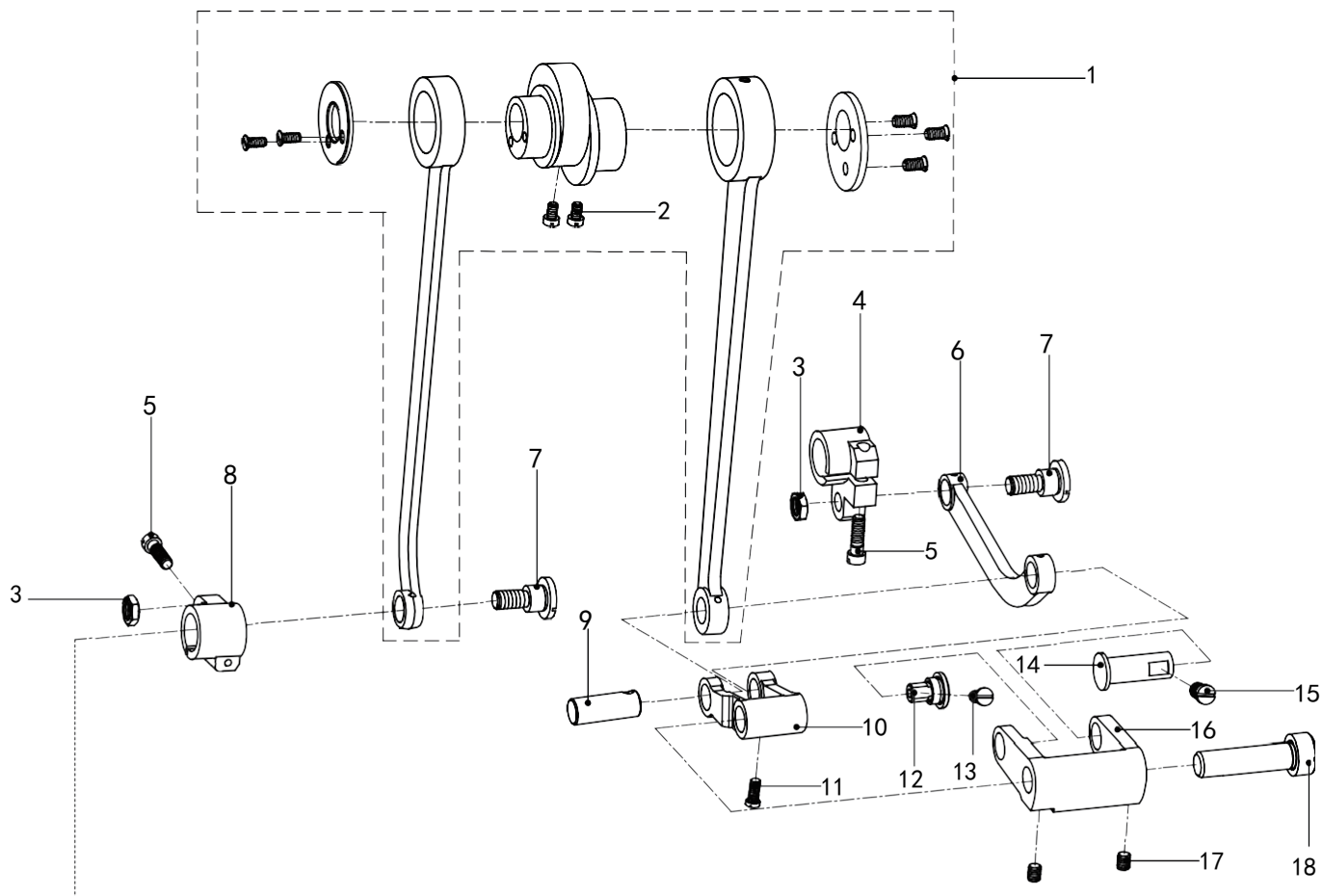
E-送料装置 Feed mechanism



E-送料裝置 Feed mechanism

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V04-02	大連桿組件/Dalian rod assembly	1
2	LD00163	螺釘SM6. 35-11/Screw SM6.35	2
3	LM00003	螺母SM7. 14/Nut SM7.14	2
4	V04-20	送料曲柄/Feed rocker shaft crank	1
5	LD00188	螺釘SM4. 76-15. 5/Screw SM4.76	3
6	V04-07	送料小連桿/Connecting rod	1
7	V04-18	送料曲柄軸位螺釘/Hinge screw	2
8	V04-47	抬牙後曲柄/Feed driving shaft crank rear	1
9	V04-08	送料連桿銷/Connecting pin	1
10	V04-10	送料擺桿/Feed driving rocket arm	1
11	LD00208	螺釘SM4. 36-12/Screw SM4.36	1
12	V04-12	送料擺桿座左銷/Hingd stud	1
13	LD00184	螺釘SM4. 36-10. 5/Screw SM4.36	1
14	V04-14	送料擺桿座右銷/Hinge pin	1
15	LD00124	螺釘SM5. 95-11/Screw SM5.95	1
16	V04-11	送料擺桿座/Feed driving rocket	1
17	LD00186	螺釘SM4. 76-6/Screw SM4.76	1
18	V04-16	送料擺桿銷/Hinge pin	1
19	V04-30	送料軸前軸套/Feed rocker shaft bushing,front	1
20	V04-22	送料軸/Feed rocker shaft	1
21	V04-28	送料軸擋圈/Thrust collar	2
22	LD00356	緊定螺釘SM6. 35-6/Screw SM6.35	4
23	V04-26	送料軸軸後套/Bushing rear	2
24	LD00126	螺釘SM5. 95-7/Screw SM5.95	3
25	TDQ00027	送料軸軸用擋圈/Retaining ring	1
26	V04-23	送料軸薄擋圈/Thrust collar	1
27	V04-31	牙架組件/Dental rack assembly	1
28	LD00510	緊定螺釘SM4. 36-4/Screw SM4.36	2
29	V04-63	牙架連桿擋圈/Thrust collar	1
30	LD00130	螺釘SM4. 36-14/Screw SM4.36	1
31	DQ00039	平墊圈/Washer	1
32	V04-39	送料牙1/4"/Feed dog (1/4")	1
33	V04-42	針板1/4"/Throat plate	1
34	LD00201	針板螺釘SM4. 36-8. 9/Screw SM4.36	2
35	LD00199	螺釘SM3. 57-7. 5/Screw SM3.57	2

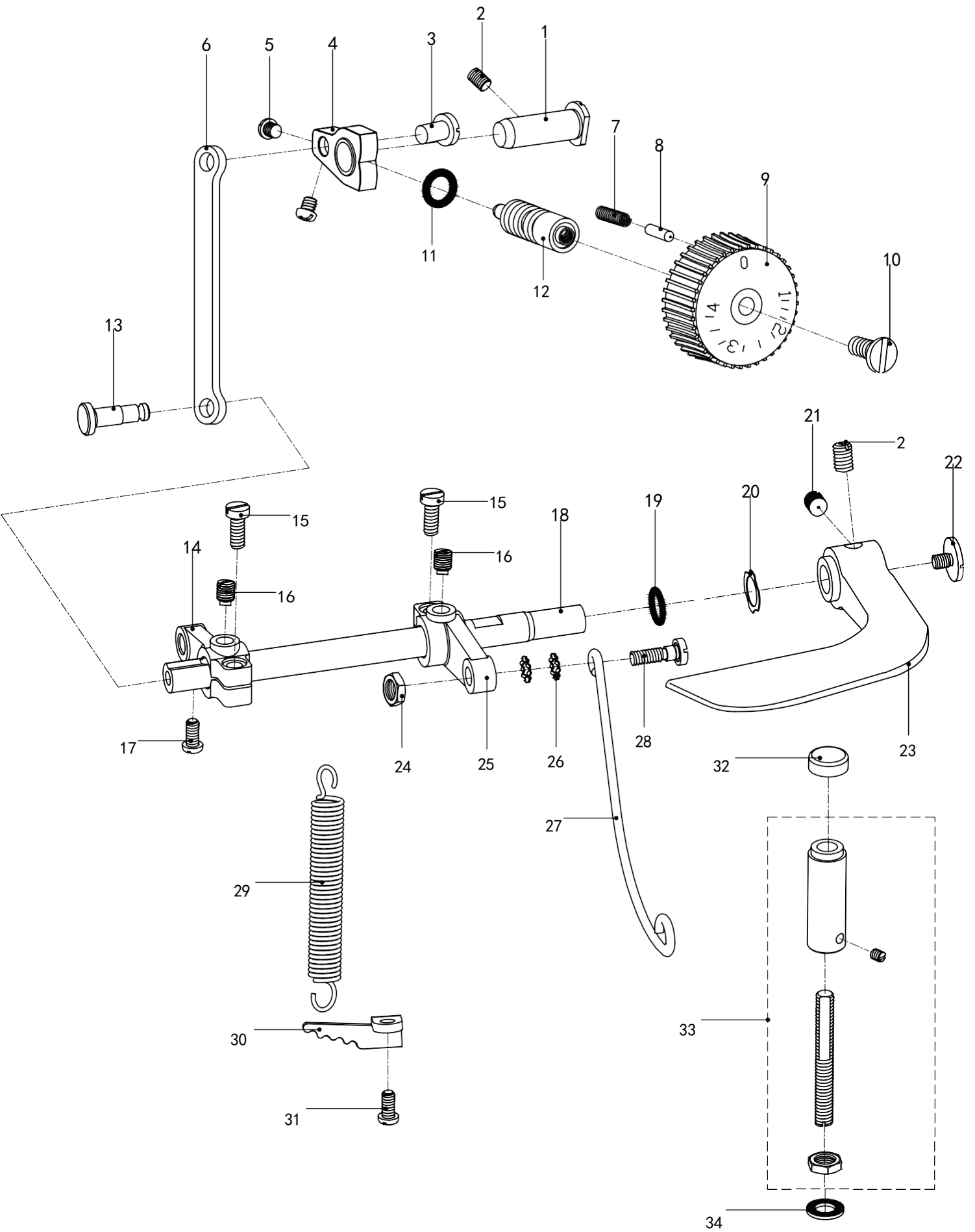
E-送料装置 Feed mechanism



E-送料装置 Feed mechanism

序號/NO	件號/Part NO	名稱/Description	數量/Num
36	V04-60	抬牙前曲柄/Feed rocker shaft crank	1
37	LD00203	螺釘SM4.76-12/Screw SM4.76	2
38	V04-59	抬牙軸前軸套/Feed rocker shaft bushing,front	1
39	V04-57	抬牙軸中軸套/Bushing,intermediate	1
40	V04-51	抬牙軸/Feed driving shaft	1
41	V08-25	油線/Wick Ninpper	3

F-送料調節裝置 Feeding regulating device

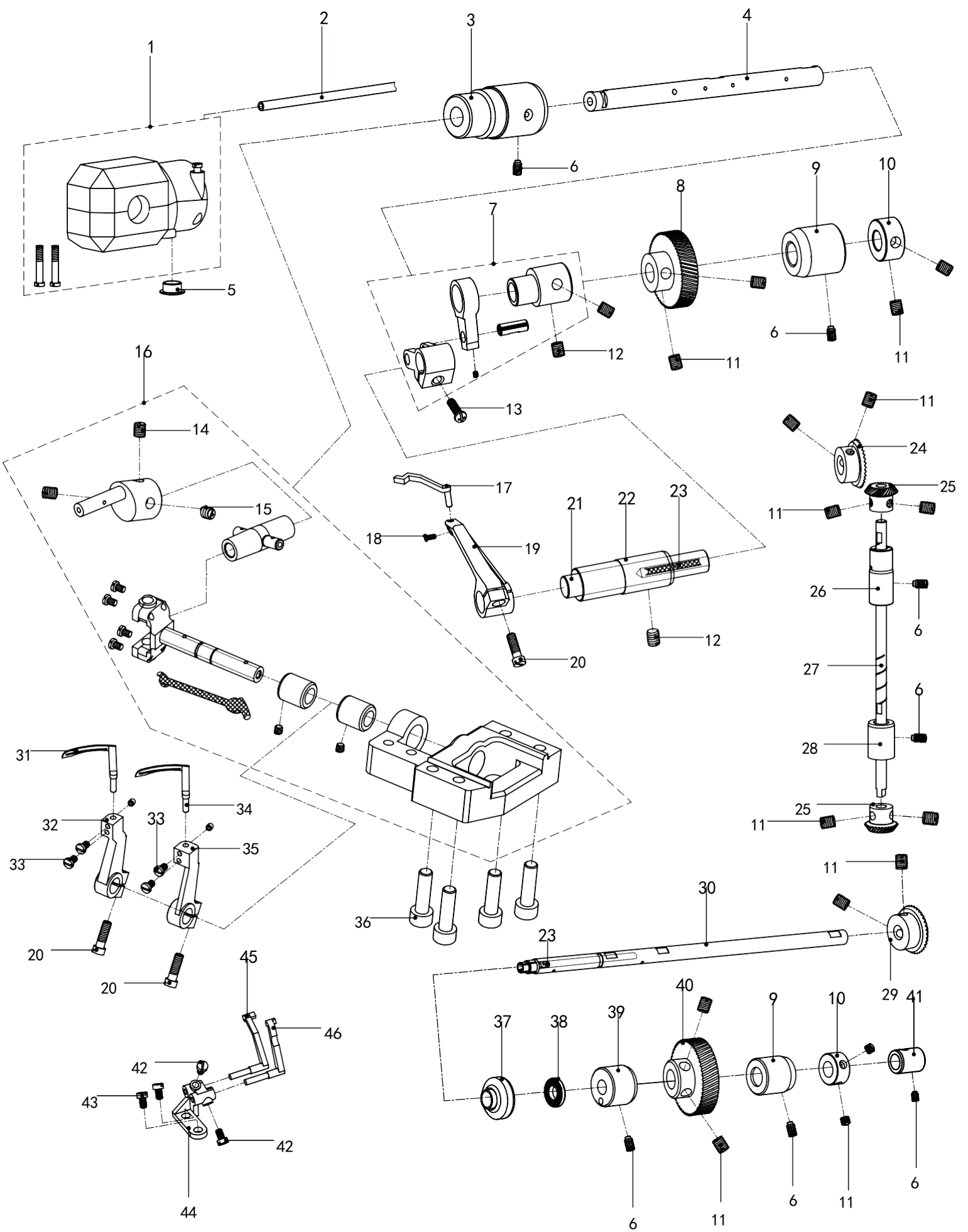


F-送料調節裝置 Feeding regulating device

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V05-08	送料調節器銷/Hinge pin	1
2	LD00126	螺釘SM5. 95-7/Screw SM5.95	2
3	V05-11	調節器連桿軸/Hinge pin	1
4	V05-07	送料調節器/Feed regulator	1
5	LD00023	螺釘SM4. 36-5/Screw SM4.36	2
6	V05-10	送料小連桿/Connecting rod	1
7	V05-06	送料距縮合銷簧/Stitch dial lock spring	1
8	V05-05	送料距鎖合銷/Stitch dial lock pin	1
9	V05-01	送料距旋鈕部件/Stitch dial asm	1
10	LD00206	螺釘SM4. 76-18/Screw SM4.76	1
11	□XQ00014	O形圈/O Ring	1
12	V05-03-F	送料調節螺柱/Feed regulating screw	1
13	V05-13	拉簧調節曲柄銷/Tension spring suspension stud	1
14	V05-15	拉簧調節曲柄/Tension spring suspension crank	1
15	LD00188	螺釘SM4. 76-15. 5/Screw SM4.76	2
16	V02-12	軸套螺釘/Screw	2
17	LD00113	螺釘SM4. 36-9/Screw SM4.36	1
18	V05-21-F	倒送料軸/Reverse feed control lever shaft	1
19	□XQ00015	O形圈/O Ring	1
20	DQ00040	倒送料軸彈性墊圈/Waved Washer	1
21	LD00209	螺釘SM5. 95-10/Screw SM5.95	1
22	LD00210	螺釘SM4. 76-6. 5/Screw SM4.76	1
23	V05-24	倒送料扳手/Reverse feed control lever	1
24	LM00020	螺母SM4. 76/Nut SM4.76	1
25	V05-35	倒送料曲柄/Control lever crank, rear	1
26	DQ00042	彈性墊圈/Waved Washer	2
27	V05-38	倒送料連桿/Feed driving rocker arm connecting	1
28	V05-39	軸位螺釘/Hinge screw	1
29	TH00047	彈簧/Spring	1
30	V05-19	拉簧固定板/Suspension bracket	1
31	LD00208	螺釘SM4. 36-11. 5/Screw SM4.36	1
32	V05-34	倒送料擋塊橡膠墊/Rubber cushion	1
33	V05-32	倒送料擋塊/Lever stopper	1
34	DQ00041	平墊圈/Washer	1

G-彎針勾線分組件

Looper thread retainer components

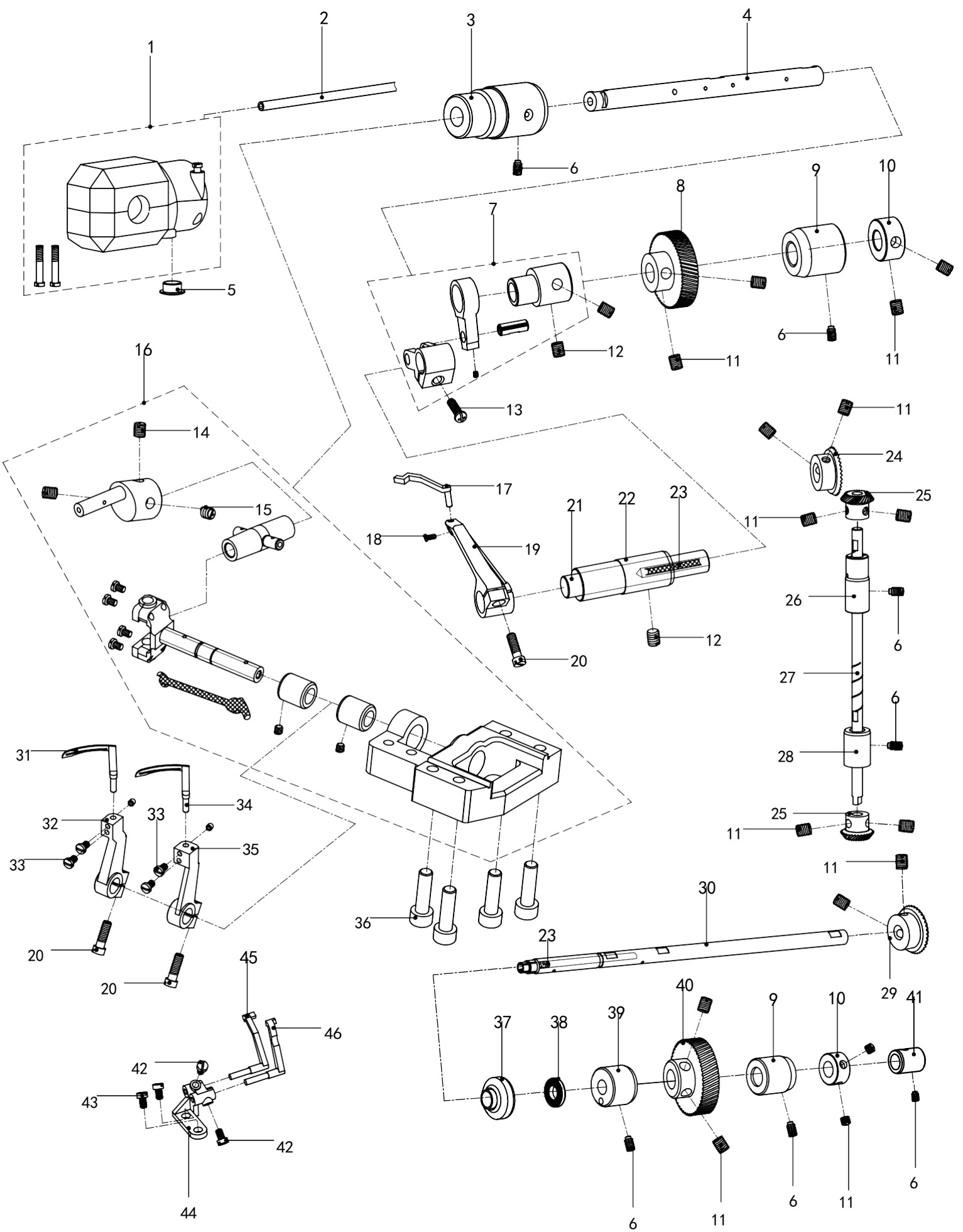


G-彎針勾線分組件 Looper thread retainer components

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V06-52	彎針曲柄罩殼部件/Crank cover asm	1
2	V08-18	曲柄罩殼排油管/Vinyl tube	1
3	V06-25	彎針軸前軸套部件/Looper thread guard bushing	1
4	V06-22	彎針軸/Looper rocker shaft	1
5	A01-01-B	橡膠塞/Rubber Cap	1
6	V02-12	軸套螺釘/Screw	7
7	V06-56ZJ	護針凸輪組件/Needle guard crank rod	1
8	V06-29	主動彎針齒輪/Gear asm,upper	1
9	V06-14	下軸中軸套部件/Bushing.intermediate	2
10	V06-16	擋圈/Collar	2
11	LD00356	緊定螺釘SM6. 35-6/Screw SM6.35	16
12	LD00126	螺釘SM5. 95-7/Screw SM5.95	3
13	LD00130	螺釘SM4. 36-14/Screw SM4.36	1
14	LD00195	一字緊定螺釘SM6. 35-6/Screw SM6.35	2
15	V06-35	彎針曲柄調節螺釘/Screw	1
16	V06-41ZJ	彎針座組件/Cueved needle base assembly	1
17	V06-70	擺動護針桿(1/4)/Driving needle guard(1/4)	1
18	LD00199	螺釘SM3. 57-7. 5/Screw SM3.57	1
19	V06-68	護針曲柄/rear needle guard rocker arm asm	1
20	LD00188	螺釘SM4. 76-15. 5/Screw SM4.76	3
21	V06-66	護針軸/Needle guard driving shaft asm	1
22	V06-64	護針軸套/Bushing	1
23	V08-25	油線/Wick Ninpper	1
24	V06-01	上軸傘齒輪/Gear asm	1
25	V06-02	豎軸上傘齒輪/Pinion asm	2
26	V06-03	豎軸上軸套/Bushing,upper	1
27	V06-07	豎軸/Upright shaft	1
28	V06-04	豎軸下軸套部件/Bushing,lower	1
29	V06-09	下軸傘齒輪/Gear asm	1
30	V06-10	下軸/Lower shaft asm.	1
31	V06-51	右彎針/Looper(RIGHT)	1
32	V06-49	右彎針曲柄/Looper holder asm.(RIGHT)	1
33	LD00202	螺釘SM3. 57-7. 5/Screw SM3.57	4
34	V06-47	左彎針/Looper(LEET)	1
35	V06-45	左彎針曲柄/Looper holder asm.(LEFT)	1

G-彎針勾線分組件

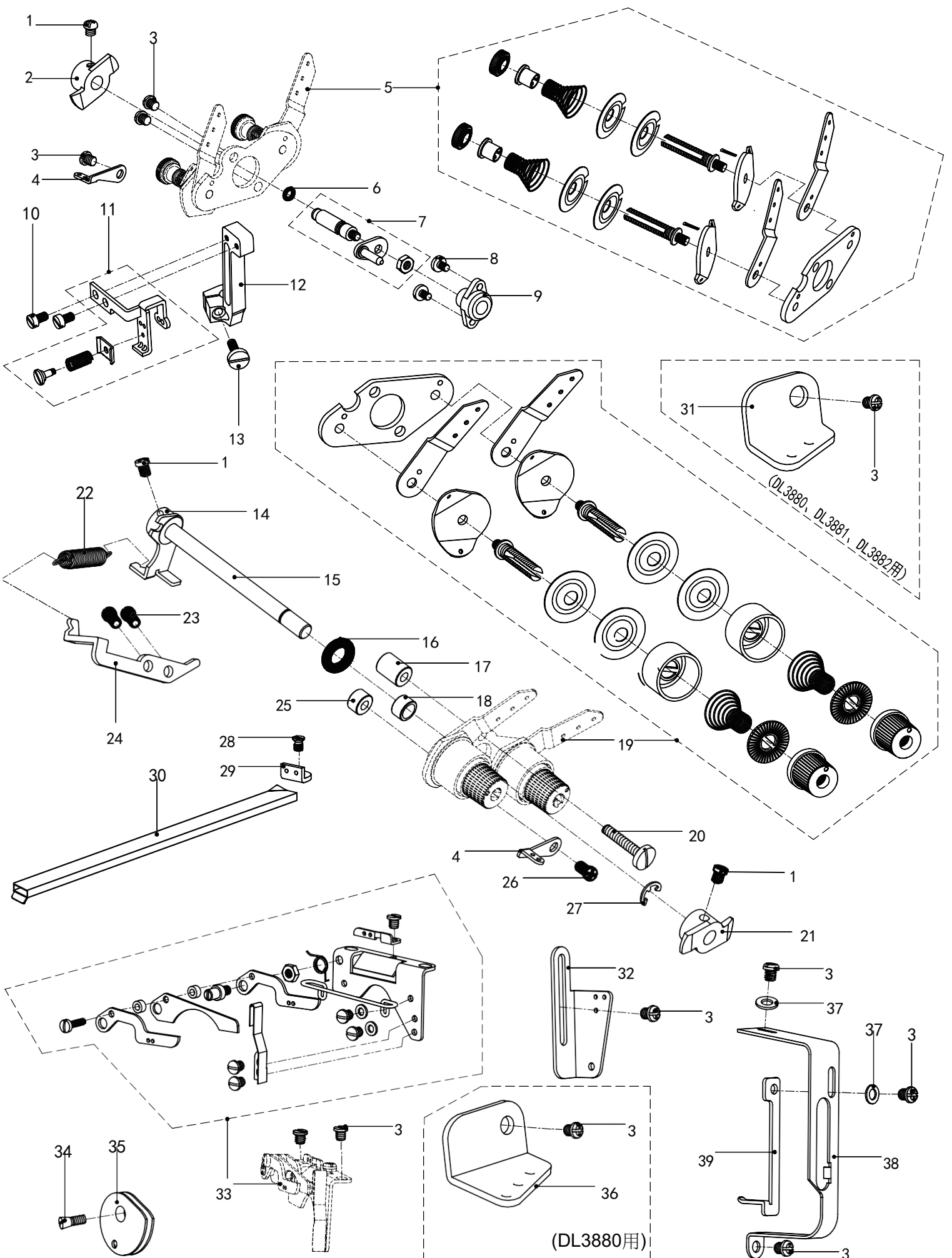
Looper thread retainer components



G-彎針勾線分組件 Looper thread retainer components

序號/NO	件號/Part NO	名稱/Description	數量/Num
36	LD00211	彎針曲柄罩殼部件/Crank cover asm	4
37	V06-20	下軸前軸套油封套/Looper thread guard bushing	1
38	YF00018	油封11X22X4/Oil Seal	1
39	V06-18	下軸前軸套部件/Bushing,front	1
40	V06-31	被動彎針齒輪/Gear asm,lower	1
41	V06-11	下軸後軸套/Bushing,rear	1
42	LD00127	螺釘SM3. 57-6/Screw SM3.57	2
43	V06-73	螺釘SM4. 36-10. 5/Screw SM4.36	2
44	V06-72	護針桿座/Needle guard base	1
45	V06-74	左固定護針桿/Counter needle guard,left	1
46	V06-75	右固定護針桿/Counter needle guard,right	1

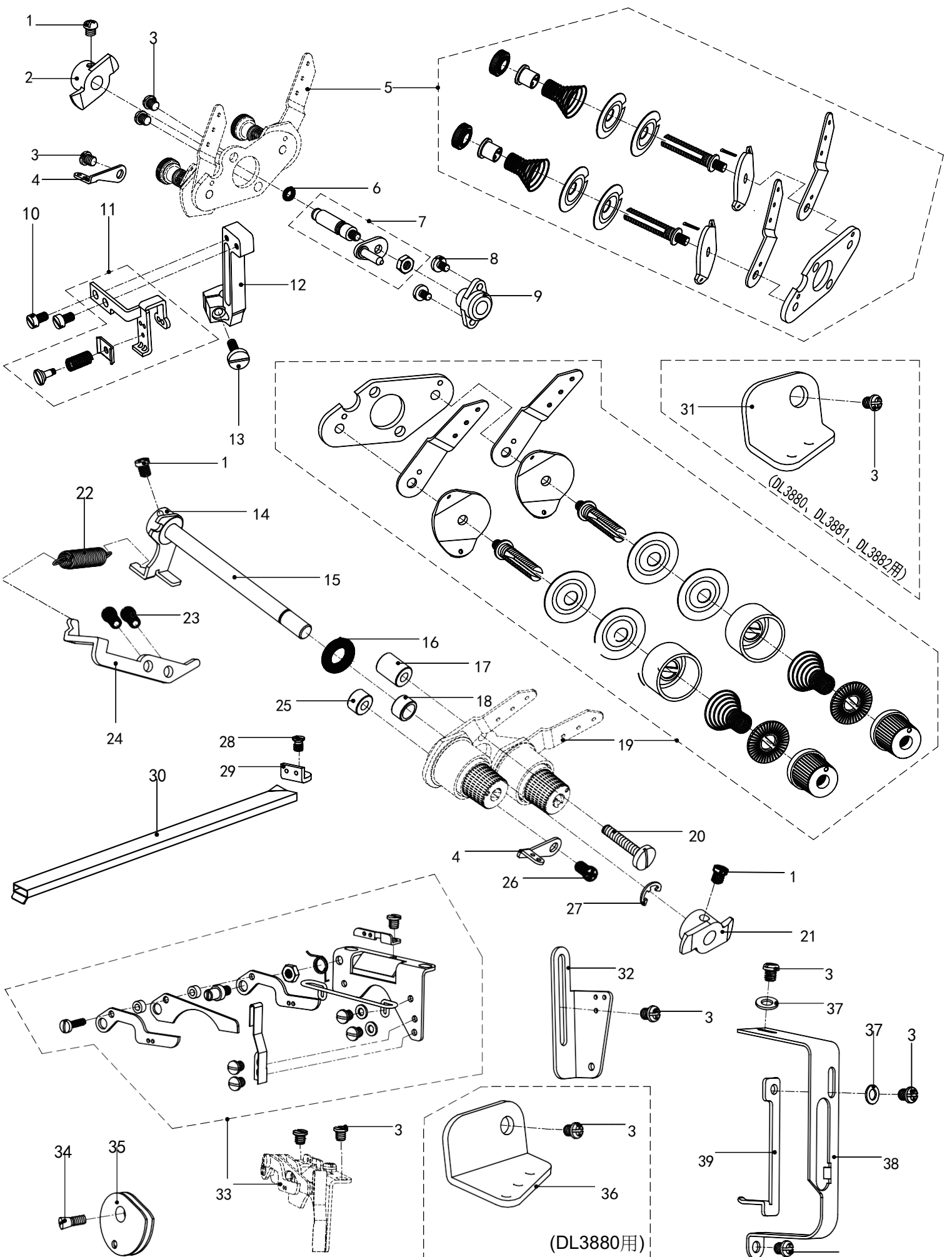
H-挑線、夾線、鬆線分組件 Thread take-up, thread clamping and thread loosening subassembly



H-挑線、夾線、鬆線分組件 Thread take-up,thread clamping and thread loosening subassembly

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V07-17	面線鬆線曲柄螺釘/Screw	3
2	V07-89	底線鬆線爪/Looper thread release latch	1
3	LD00158	螺釘SM4. 36-5. 5/Screw SM4.36	11
4	V07-37	導線鉤/Frame thread guide	2
5	V07-78	底線夾線器部件/Lower thread tension asm.	1
6	□XQ00037	O形圈/O Ring	1
7	V07-75	底線鬆線組件/Loose thread lower thread assembly	1
8	LD00217	螺釘SM3. 57-6. 2/Screw SM3.57	2
9	V07-72	鬆線軸套/Tension release shaft bushing	1
10	LD00127	螺釘SM3. 57-6/Screw SM3.57	2
11	V07-03	挑線桿組件/Take-up bar assembly	1
12	V07-01	挑線連桿/Thread take-up lever	1
13	LD00213	螺釘SM3. 57-10/Screw SM3.57	1
14	V07-16	面線鬆線曲柄部件/Tension release arm asm	1
15	V20-22	鬆線軸/Tension release shaft	1
16	□XQ00040	O形圈/O Ring	1
17	V07-25	夾線器上安裝墊/Spacer(B)for installing plate	1
18	V07-23	鬆線軸環/Tension release shaft spacer	1
19	V07-28	面線夾線器部件/Needle thread tension asm.	1
20	LD00214	螺釘SM4. 36-24/Screw SM4.36	1
21	V07-39	面線鬆線爪/Tension release latch	1
22	TH00048	抬壓腳後槓桿彈簧/Spring	1
23	LD00207	螺釘SM3. 57-7/Screw SM3.57	2
24	V07-19	後槓桿彈簧固定板/Suspension bracket	1
25	V07-24	夾線器下安裝墊/Spacer(A)for installing plate	1
26	LD00215	螺釘SM4. 36-19/Screw SM4.36	1
27	TDQ00006	開口擋圈6/Ring	1
28	LD00201	螺釘SM4. 36-8. 9/Screw SM4.36	1
29	V07-69	底線導線鉤/Looper thread guide	1
30	V07-71	底線導線管/Looper thread guide tube	1
31	V07-93	兩孔過線板架/Two hole wiring board frame	1
32	V07-13	中間導線鉤/Frame thread shaft	1
33	V07-51	凸輪導線鉤部件/looper thread guide asm.	1
34	LD00216	螺釘SM4. 36-13. 5/Screw SM4.36	1
35	V07-49	底線打線凸輪/Looper thread take-up cam	1

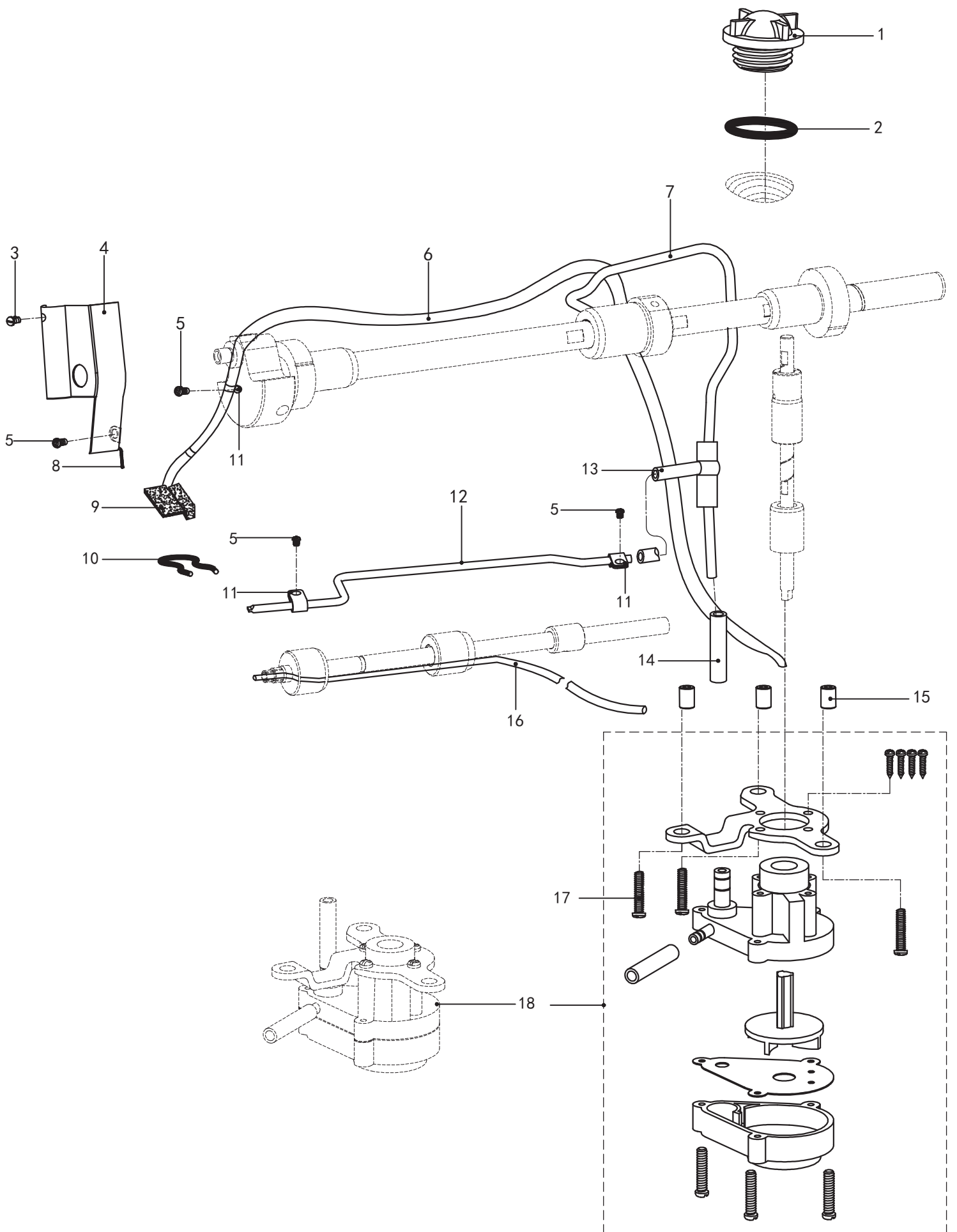
H-挑線、夾線、鬆線分組件 Thread take-up, thread clamping and thread loosening subassembly



H-挑線、夾線、鬆線分組件 Thread take-up,thread clamping and thread loosening subassembly

序號/NO	件號/Part NO	名稱/Description	數量/Num
36	V17-05	三孔過線板架/Three hole wiring board frame	1
37	DQ00039	平墊圈/Washer	2
38	V07-08	挑線桿護罩/Thread take-up lever guard	1
39	V07-10	線量調節板/Take-up thread tension lever	1

I-润滑分组件 Lubrication subassembly



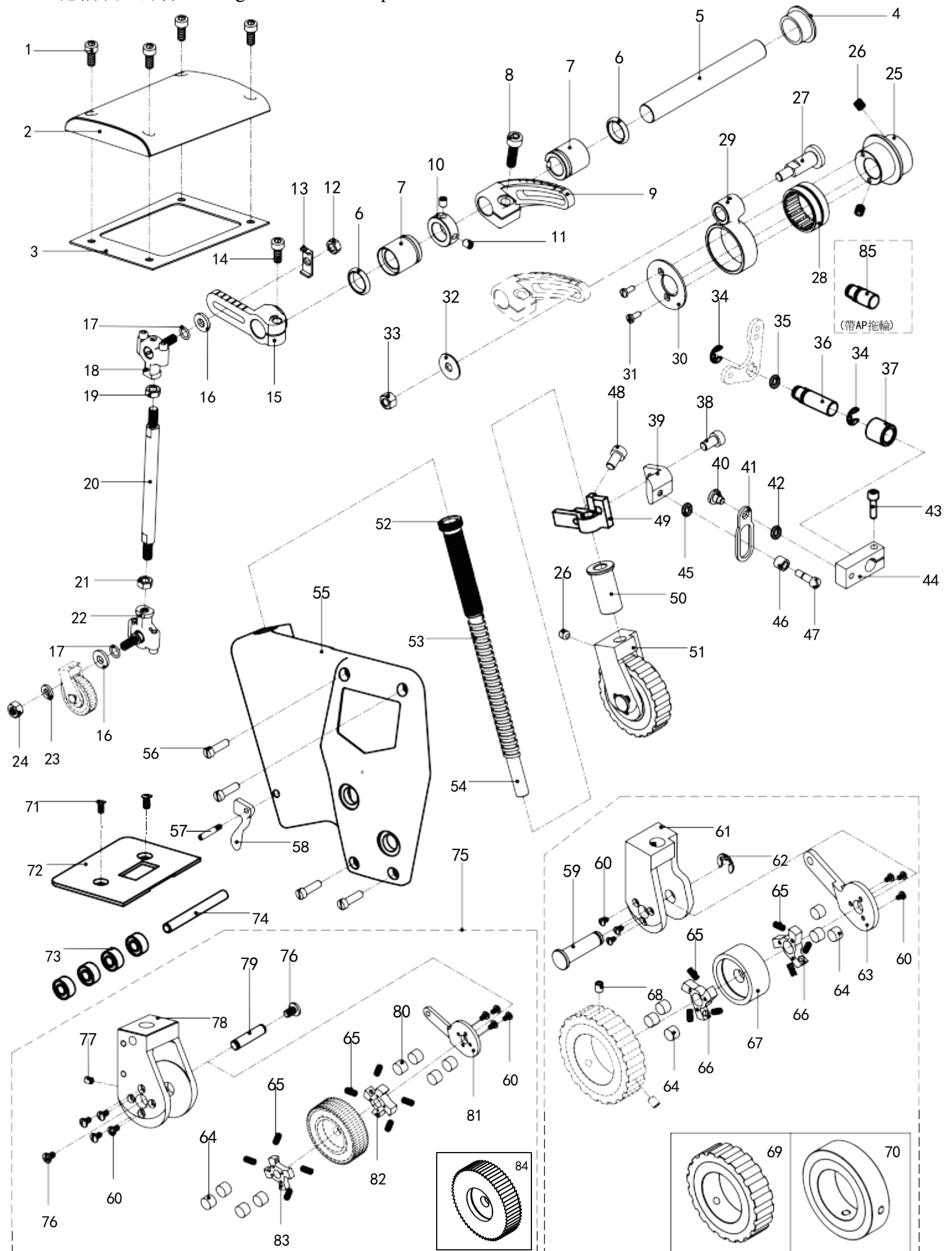
I-潤滑分組件 Lubrication subassembly

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V08-30	油窗/Oil sight window	1
2	□XQ00003	O形圈/O Ring	1
3	LD00114	螺釘SM3. 18-2. 6/Screw SM3.18	1
4	V08-24	面部擋油板/Arm oil shield	1
5	LD00158	螺釘SM4. 36-5. 5/Screw SM4.36	4
6	V08-18	回油管/Oil felt presser	1
7	V08-13	上軸供油管/Main shaft oil tube	1
8	V08-25	油線/Wick Ninpper	1
9	V08-22	回油氈/Oil felt	1
10	V08-23	回油氈夾/Oil felt presser	1
11	V08-16	油管夾/Tubing clamp	3
12	V08-15	齒輪供油管/Gear oil pipe	1
13	V08-14	齒輪供油管橡皮接頭/Oil sight window base	1
14	V08-09	上軸供油管接頭/Rubber joint	1
15	V08-11	油泵墊圈/Collar	1
16	V08-28	下軸供油管/Oil tube	1
17	LD00218	螺釘SM4. 76-26/Screw SM4.76	3
18	V08-01-X	油泵部件/Lubricating oil pump asm.	1

P-拖輪裝置部件 P tugboat device components

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	LD00225	內六角圓柱頭螺釘M4X12/Screw	4
2	V20-28	頂蓋/Top cap	1
3	V20-28-1	頂蓋密封墊/Facking	1
4	V20-34	拖布輪孔孔塞/Cushion rubber	1
5	V20-35	後拖輪軸/Puller driving shaft	1
6	YF00021	油封/Oil Seal	2
7	V20-36	後拖輪軸銅套/Bush	2
8	LD00226	內六角圓柱頭螺釘M6X20/Screw	1
9	V20-37	後拖輪曲柄/Puller driving lever	1
10	V20-38	擋圈/Collar	1
11	LD00002	螺釘M5X6/Screw	2
12	LM00002	螺母5. 95/Nut	1
13	927PL010	刻度指示片/Calibration Instruction Tablets	1
14	LD00092	內六角圓柱頭螺釘M5X16/Screw	1
15	V20-40	調節連桿/Adjusting Rod Assembly	1
16	DQ00046	平墊圈/Washer	2
17	DXQ00012	O形圈/O Ring	2
18	927PL013	關節軸承組件(上)/Ball parts(Upper)	1
19	LM00006	螺母M6/Nut M6	1
20	V21-03	連接軸/Shaft for linking balls	1
21	LM00018	螺母M6左旋/Nut M6-LH	1
22	927PL017	關節軸承組件(下)/Ball parts(Lower)	1
23	DQ00014	彈簧墊圈6/Spring Washer	1
24	LM00004	螺母SM5. 55/Nut SM5.55	1
25	V18-39	偏心輪/Eccentric Wheel	1
26	LD00003	緊定螺釘M6X6/Screw	3
27	V20-32	軸位螺釘/Screw	1
28	ZC00042	軸承/Ball Bearing	1
29	V20-21	連桿/Connecting Rod	1
30	V18-36	偏心輪擋片/Crank cover	1
31	LD00518	螺釘SM3. 18-6. 5/Screw SM3.18	2
32	DQ00061	平墊圈/Washer	1
33	LM00024	螺母/Nut	1
34	TDQ00003	開口擋圈7/Ring	2
35	V18-54	O形圈/O Ring	1

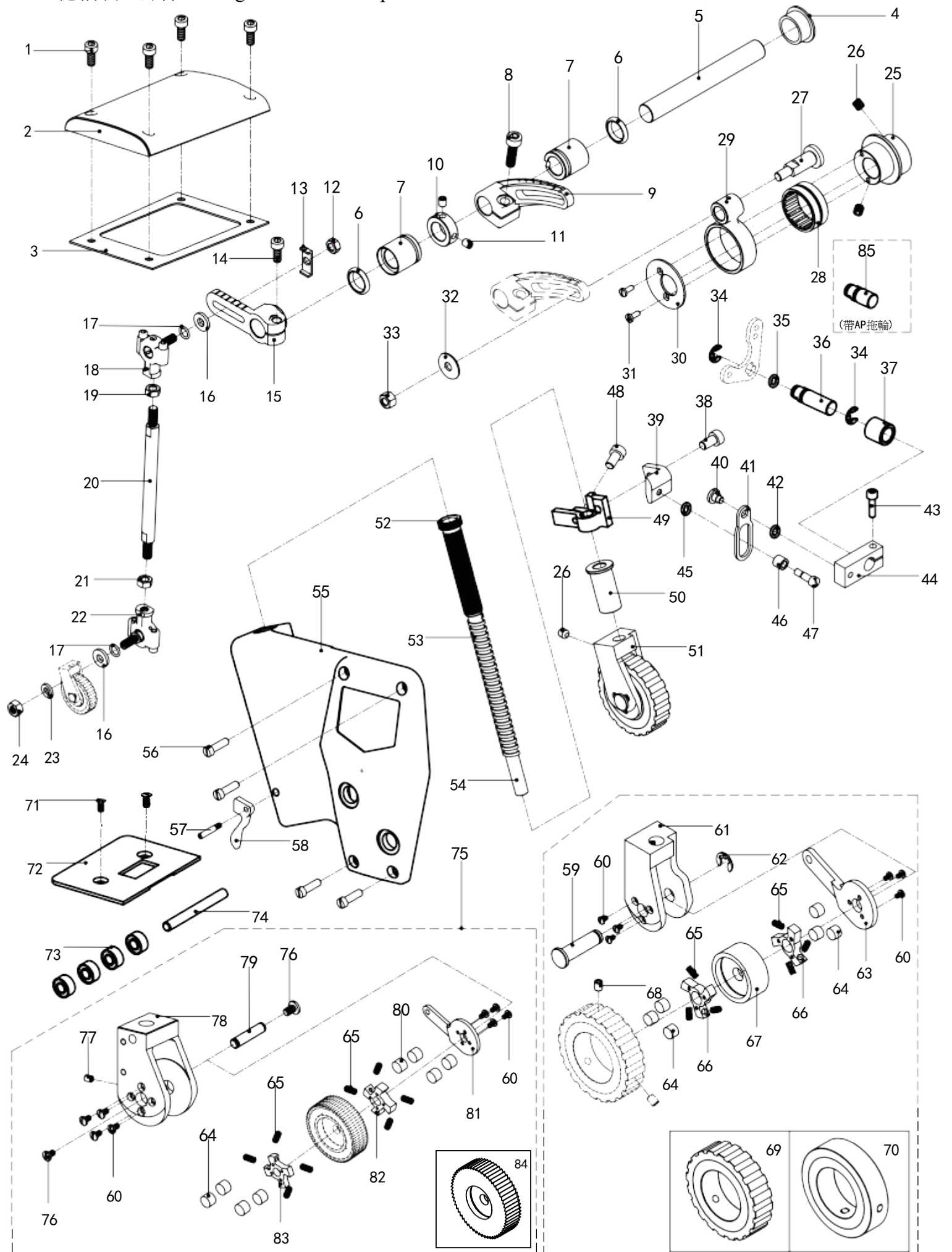
P-拖輪裝置部件 P tugboat device components



P-拖輪裝置部件 P tugboat device components

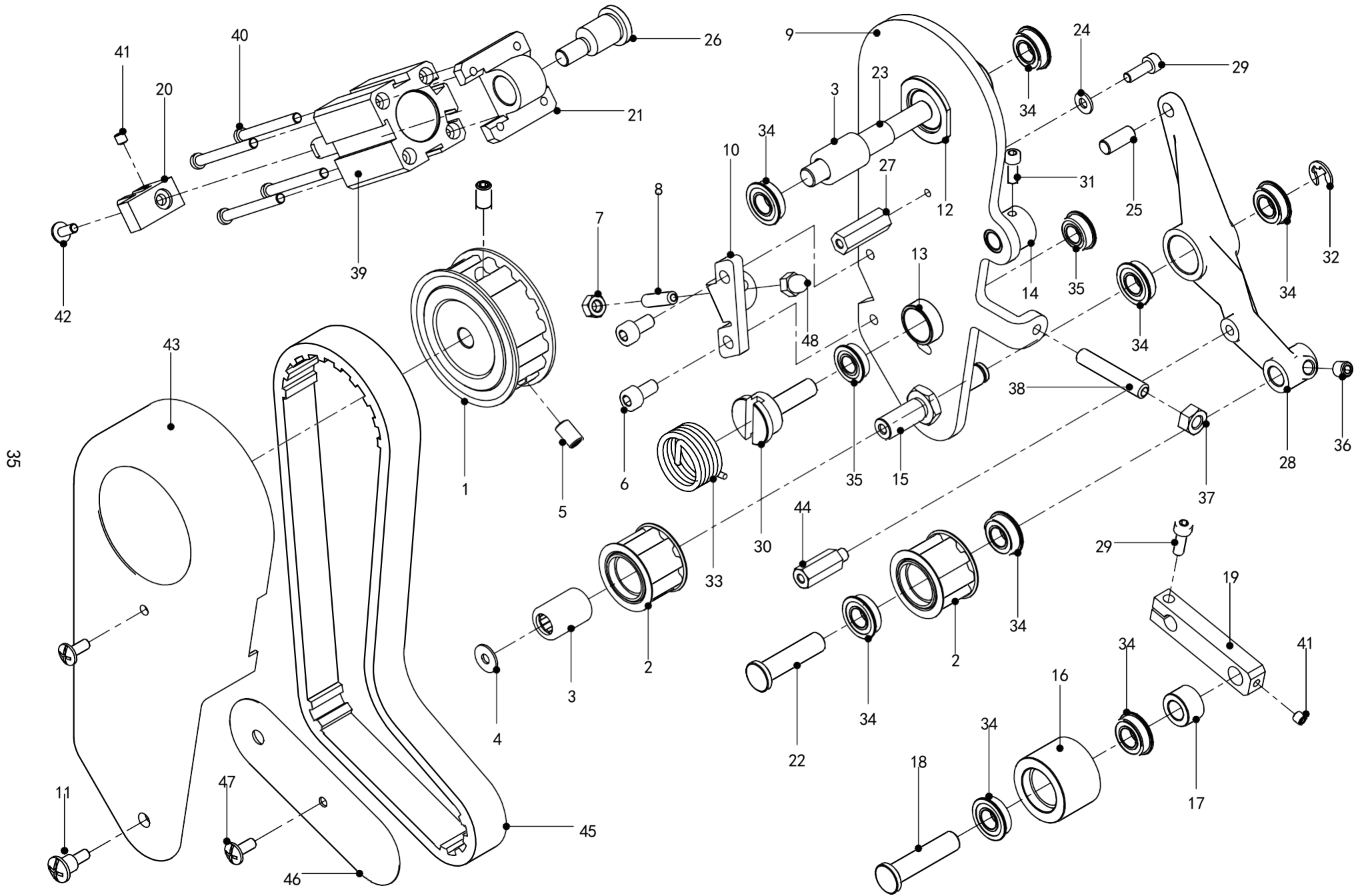
序號/NO	件號/Part NO	名稱/Description	數量/Num
36	V18-52	抬壓腳前槓桿軸/Lever shaft	1
37	V18-55	抬壓腳前槓桿軸套/Sleeve	1
38	LD00221	螺釘SM5. 95-11/Screw SM5.95	1
39	V21-05	壓桿夾連接座/Connecting seat	1
40	V18-60	軸位螺釘/Screw	1
41	V21-07	連接板/Plate	1
42	□XQ00007	O形圈/O Ring	1
43	LD00220	內六角圓柱頭螺釘M4X16/Screw	1
44	V18-56	抬壓腳曲柄/Crank	1
45	□XQ00011	O形圈/O Ring	1
46	V21-08	滾套/Collar	1
47	V21-09	軸位螺釘/Screw	1
48	LD00044	內六角圓柱頭螺釘M5X10/Screw	1
49	927PL035	調壓桿夾/Presser Bar Clamp	1
50	927PL031	壓桿軸套/Presser Bar Bush, D	1
51	V21-04	大拖輪組件/Large tug components	1
52	927PST001	調壓螺母/Presser Adjust Screw	1
53	V18-02	彈簧/Spring	1
54	927PL026	壓桿軸/Presser Bar	1
55	V21-01	菱形面板/Diamond panel	1
56	LD00188	螺釘SM4. 76-15. 5/Screw SM4.76	4
57	927PL029	扳手銷/Support Stud	1
58	927PL030	扳手/Presser Foot Lifter	1
59	927PL049	拖布輪軸/Puller Shaft	1
60	LD00266	螺釘M3-5. 7/Screw M3	6
61	V21-10	拖輪支架/Puller Bracket	1
62	TDQ00006	開口擋圈6/Ring	1
63	V21-14	星輪連桿/Star Ferry Link	1
64	927PL052	滾子/Rolling Shaft	6
65	TH00024	彈簧/Spring	6
66	927PL054	星輪/Star Ferry	2
67	V21-17	膠輪內圈/Tire inner ring	1
68	LD00023	螺釘SM4. 36-5/Screw SM4.36	2
69	V21-20	膠齒輪/Plastic gear	1
70	V21-21	平膠輪/Rubber wheel	1

P-拖輪裝置部件 P tugboat device components



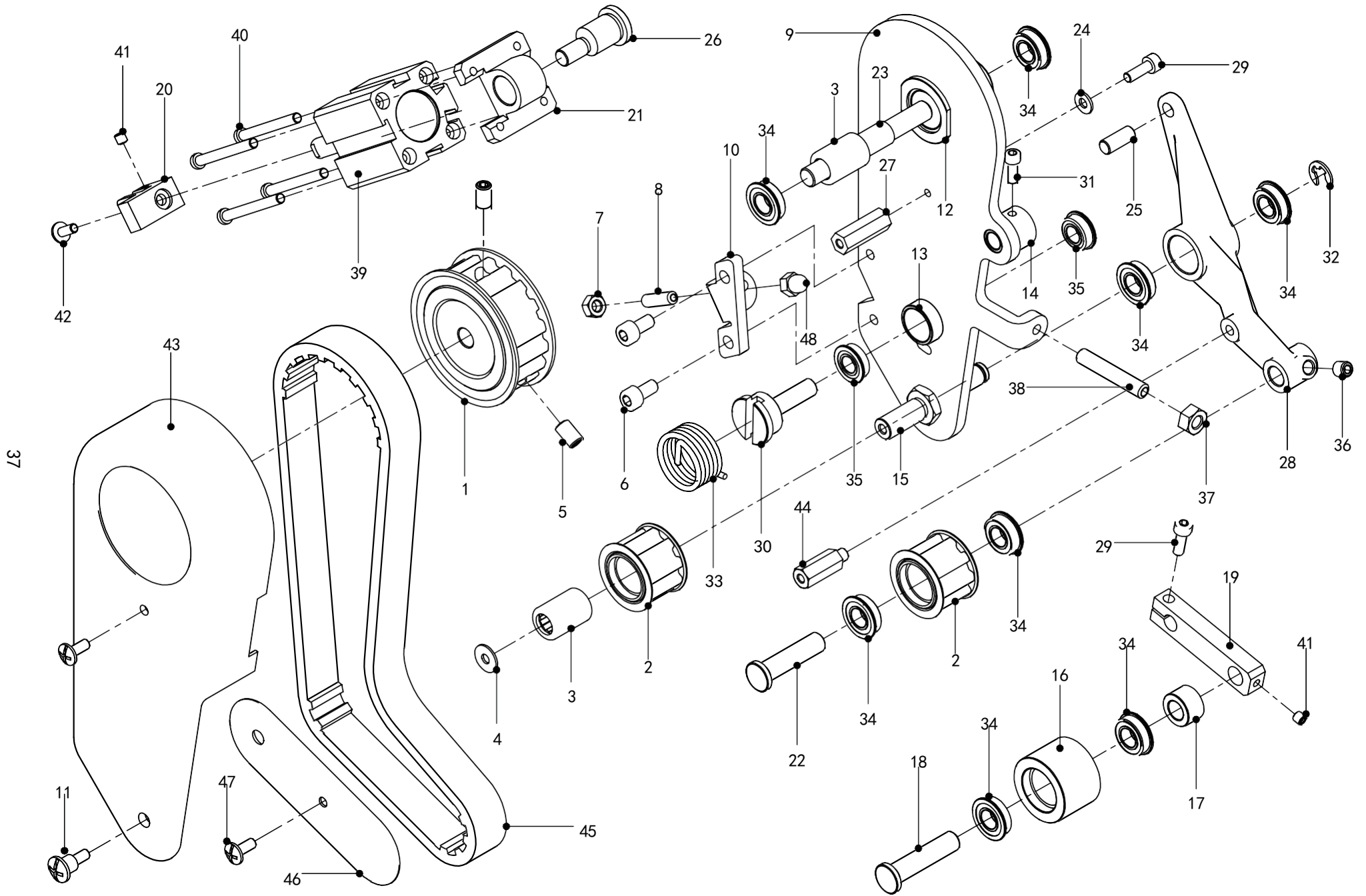
P-拖輪裝置部件 P tugboat device components

序號/NO	件號/Part NO	名稱/Description	數量/Num
71	LD00201	螺釘SM4. 36-8. 9/Screw SM4.36	2
72	V18-70	壓板/Pressing plate	1
73	ZC00064	軸承/Ball Bearing	4
74	V18-71	滾針/Kingpin	1
75	V21-04-T	大拖輪組件(鐵) /Large tug components(Iron)	1
76	LD00156	螺釘SM4. 36-6/Screw SM4.36	2
77	LD00125	螺釘M3X5/Screw M3	1
78	V21-23	拖輪支架/Puller Bracket	1
79	9588A068	拖輪軸銷/Tow axle pin	1
80	9588A065	驅動滾子/Rolling Shaft	4
81	V21-29	星輪連桿/Star Ferry Link	1
82	V21-32	驅動星輪/Star Ferry	1
83	V21-35	止動星輪/Star Ferry	1
84	V21-34	鐵齒輪/Iron gear	1
85	V18-52-D	抬壓腳前槓桿軸/Lever shaft	1



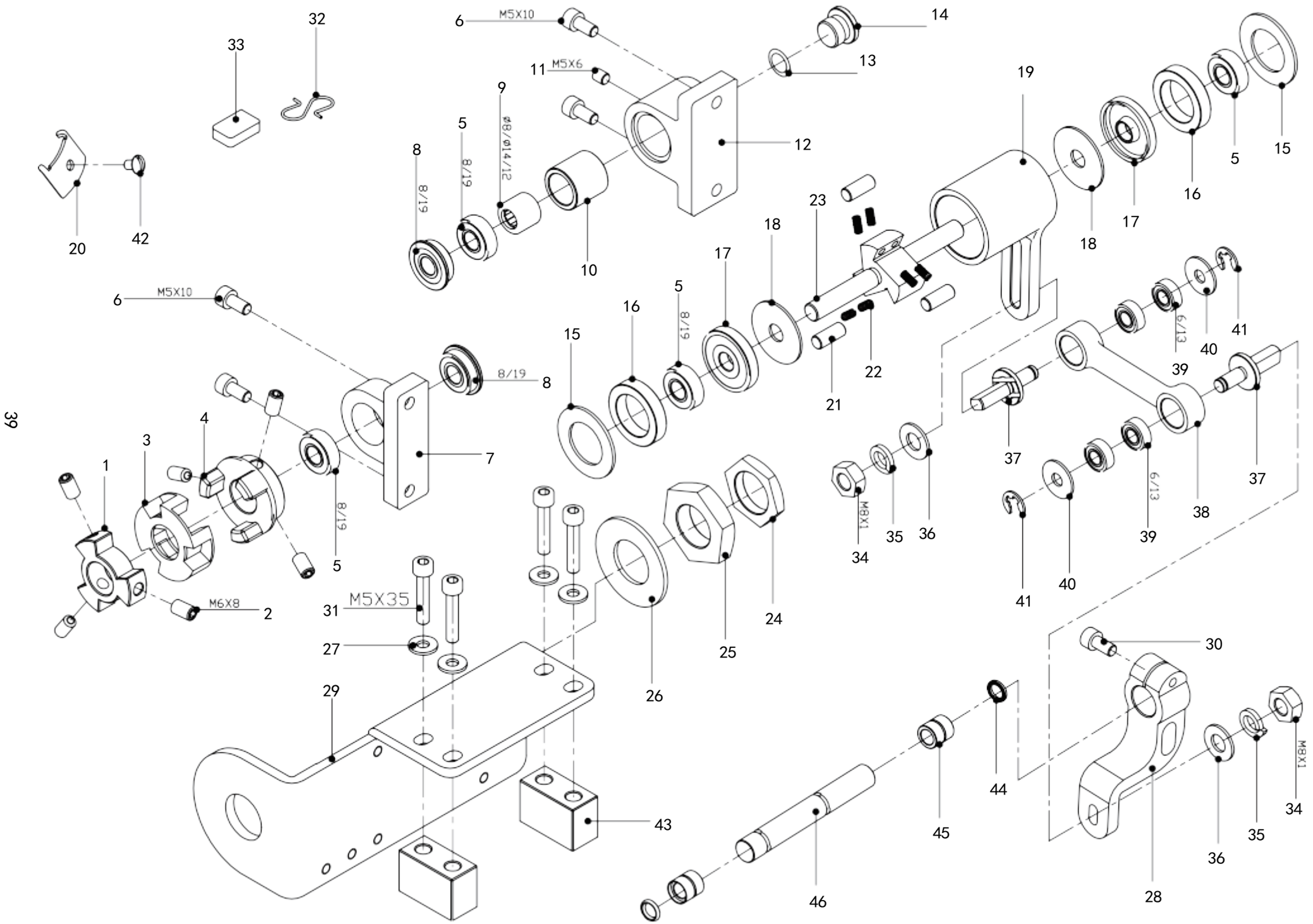
AP-1 氣控拖輪裝置 Pneumatic puller

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	9588PF001	大同步輪 (L型) /Large synchronous wheel	1
2	9588PF002	小同步輪 (L型) /Small synchronous wheel	2
3	ZC00028	單向滾針軸承/ Bearing	2
4	DQ00065	平墊圈/Washer	1
5	LD00001	內六角緊定螺釘M6X10/Screw M6	2
6	LD00044	內六角圓柱頭螺釘M5X10/Screw M5	2
7	LM00017	螺母M5/Nut M5	1
8	LD00268	內六角緊定螺釘M5X20/Screw M5	1
9	9588PF009	拖輪安裝板組件/Mounting plate component	1
10	9588PF010	限位角支架/Limit Angle bracket	1
11	9588PF052	軸位螺釘/Stalk bolt	1
12	9588PF012	大同步輪嵌套/Nested	1
13	9588PF013	壓緊輪嵌套/Pinch roller nested	1
14	9588PF014	氣缸限位銷嵌套/Limit pin cylinder nested	1
15	9588PF015	下過渡同步輪軸銷/Shaft pin	1
16	9588PF016	壓緊輪/Pinch roller	1
17	9588PF017	壓緊輪墊圈/Pinch roller washer	1
18	9588PF018	壓緊輪軸銷/Pressure shaft pin	1
19	9588PF019	壓緊輪連桿/Pinch roller connecting rod	1
20	9588PF020	氣缸連接塊/Cylinder connecting piece	1
21	9588PF021	氣缸連接座/Cylinder connecting seat	1
22	9588PF022	小同步輪軸銷/Shaft pin	1
23	9588PF023	大同步輪軸/Large synchronous shaft	1
24	DQ00064	平墊圈4/Washer 4	1
25	9588PF025	連接塊銷/Connection piece pin	1
26	9588PF026	氣缸限位軸銷/Shaft pin	1
27	9588PF027	皮帶罩安裝柱/Install the column	1
28	9588PF028	小同步輪擺動連桿/Swinging rod	1
29	LD00116	內六角圓柱頭螺釘M4X12/Screw M4	2
30	88PF030	扭簧軸銷/Torsional spring shaft pin	1
31	00182	內六角圓柱頭螺釘M4X6/Screw M4	1
32	TDQ00006	開口擋圈6/Open ring	1
33	9588PF033	壓緊輪扭簧/Pinch roller torsional spring	1
34	ZC00024	帶擋邊深溝球軸承8/Bearing	8
35	ZC00025	帶擋邊深溝球軸承7/Bearing	2



AP-1 氣控拖輪裝置 Pneumatic puller

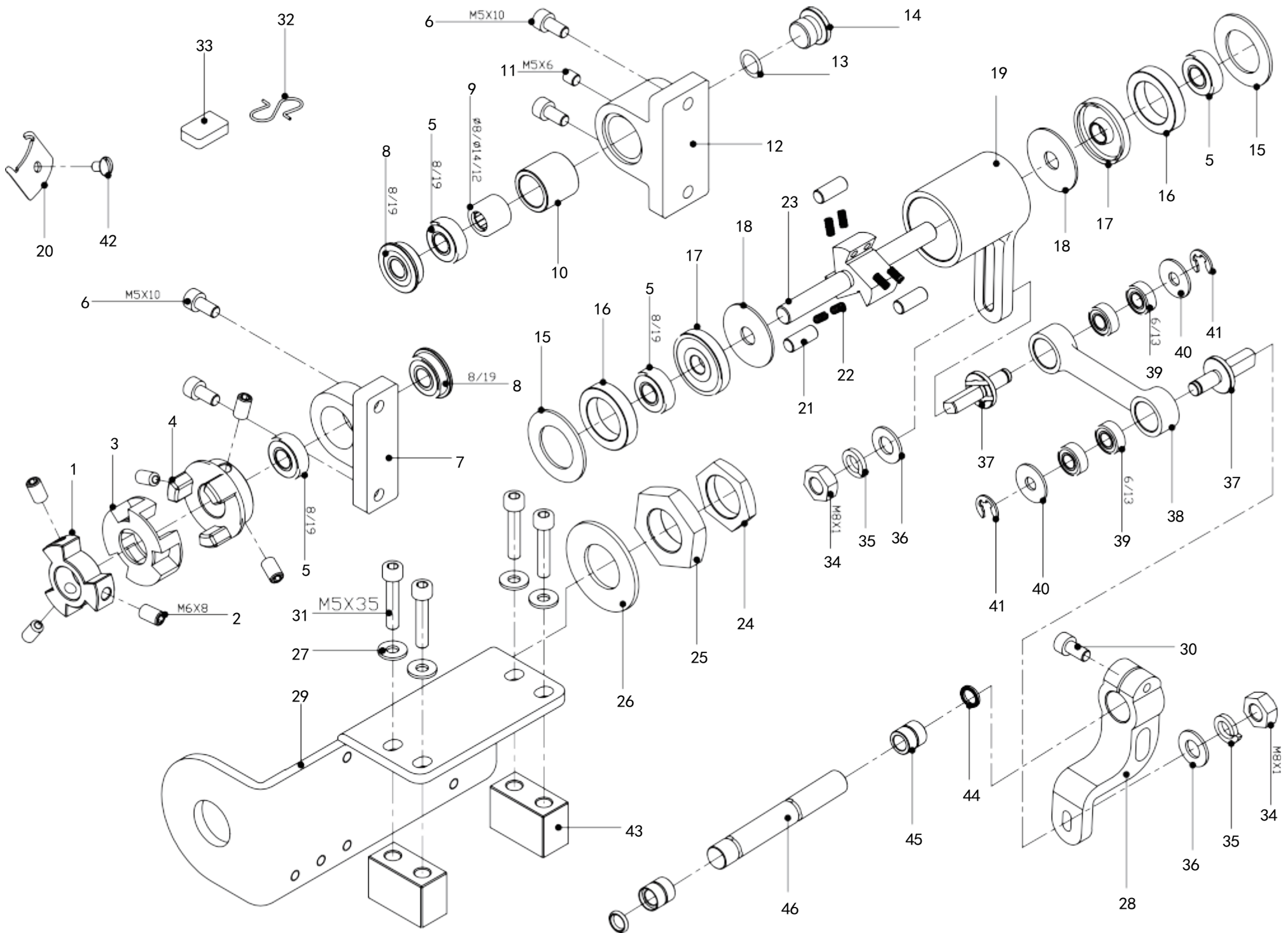
序號/NO	件號/Part NO	名稱/Description	數量/Num
36	LD00003	內六角緊定螺釘M6X6/Screw M6	1
37	LM00006	螺母M6/Nut M6	1
38	LD00269	內六角緊定螺釘M6X35/Screw M6	1
39	927Q.1.16	氣缸SDA20X20/Cylinder SDA20X20	1
40	LD00227	螺釘M4-38/Screw M4	4
41	LD00074	內六角緊定螺釘M4X5/Screw M4	2
42	LD00272	一字螺釘M4X10/Screw M4	1
43	9588PF071	拖輪罩殼/Tug housings	1
44	9588PF068	擋板安裝柱/Install the column	1
45	9588PF073	同步帶210L/Synchronous belt	1
46	9588PF070	小同步輪擋板/Baffle	1
47	LD00271	一字螺釘M4/Screw M4	2
48	LM00037	尼龍蓋形螺母M5/Nut M5	1



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AP-2 拖輪驅動裝置 Drive to equip

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	9588PF085	聯軸器B/Shaft coupling B	1
2	LD00097	內六角緊定螺釘M6X8/Screw M6	6
3	9588PF084	聯軸器緩衝墊/Cushion	2
4	9588PF083	聯軸器A/Shaft coupling A	1
5	ZC00030	深溝球軸承8/Bearing	4
6	LD00044	內六角圓柱頭螺釘M5X10/Screw M5	4
7	9588PF045	軸承座/Bearing block	1
8	ZC00029	帶擋邊深溝球軸承8/Bearing	2
9	ZC00026	單向滾針軸承/Bearing	1
10	9588PF011	單向滾針軸承套/Bearing	1
11	LD00002	內六角緊定螺釘M5X6/Screw M5	1
12	9588PF007	單向驅動軸安裝座/Install the seat	1
13	DXQ00025	O形圈/O Ring	1
14	LD00273	螺釘M16X1/Screw M16	1
15	DQ00066	平墊圈/Washer	2
16	9588PF044	軸承套/Bearing sleeve	2
17	YF00003	油封/Oil seal	2
18	DQ00059	驅動星輪間隔墊圈/Washer	2
19	9588PF004	驅動擺桿/Drive the swinging rod	1
20	9588PF089	緩衝墊限位片/Cushion limit	3
21	9588PF077	滾子/Roller	3
22	TH00024	滾子彈簧/Roller spring	3
23	9588PF024	星輪驅動軸/The star wheel drive shaft	1
24	LM00034	小螺母M20X1/Nut M20	1
25	LM00033	大螺母M20X1/Nut M20	1
26	9588PF029	盤形墊圈/Disc washer	1
27	DQ00060	平墊圈/Washer	4
28	V25-93	調節連桿/Adjusting Rod Assembly	1
29	V25-06	拖輪安裝支架/Tug mounting bracket	1
30	LD00092	內六角圓柱頭螺釘M5X14/Screw M5	1
31	LD00224	內六角圓柱頭螺釘M5X35/Screw M5	4
32	9588PF088	油氈限位簧/Linoleum limit spring	1
33	9588PF082	驅動擺桿羊毛氈/Felt	1
34	LM00035	螺母M8X1/Nut M8	2
35	DQ00062	彈簧墊圈8/Spring washer	2

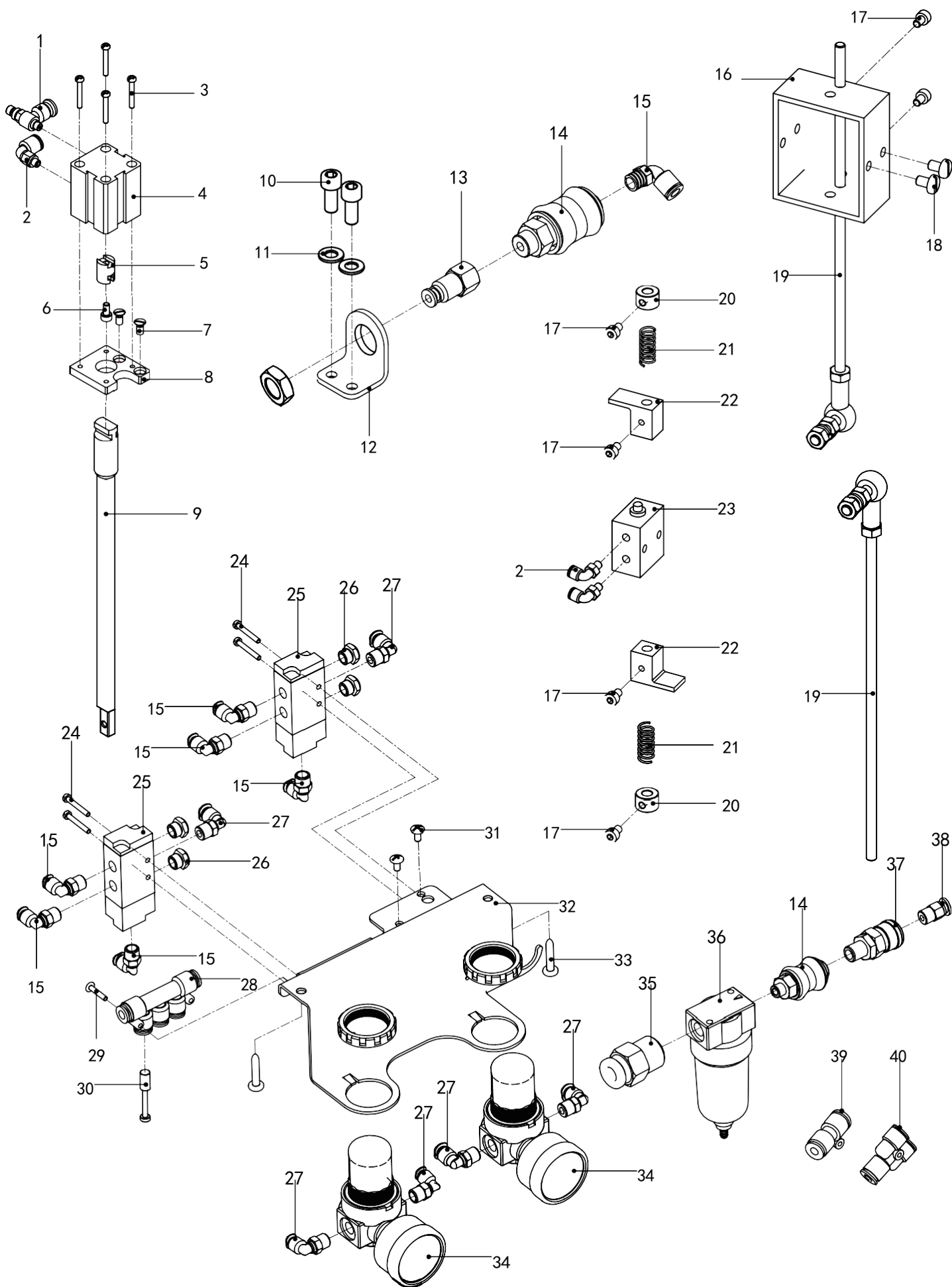


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AP-2 拖輪驅動裝置 Drive to equip

序號/NO	件號/Part NO	名稱/Description	數量/Num
36	DQ00063	平墊圈8/Washer	2
37	9588PF005	連接軸位螺釘/Axis of a screw	2
38	9588PF003	連桿/Connecting rod	1
39	ZC00027	深溝球軸承6/Bearing	4
40	DQ00061	平墊圈6/Washer	2
41	TDQ00002	開口擋圈5/Open ring	2
42	LD00164	螺釘SM3.18-5/Screw SM3.18	3
43	V25-08	墊塊/Cushion block	1
44	YF00021	油封/Oil seal	2
45	V20-36	後拖輪軸軸套/Rear tug shaft sleeve	2
46	V20-35	後拖輪軸/Rear drag axle	1

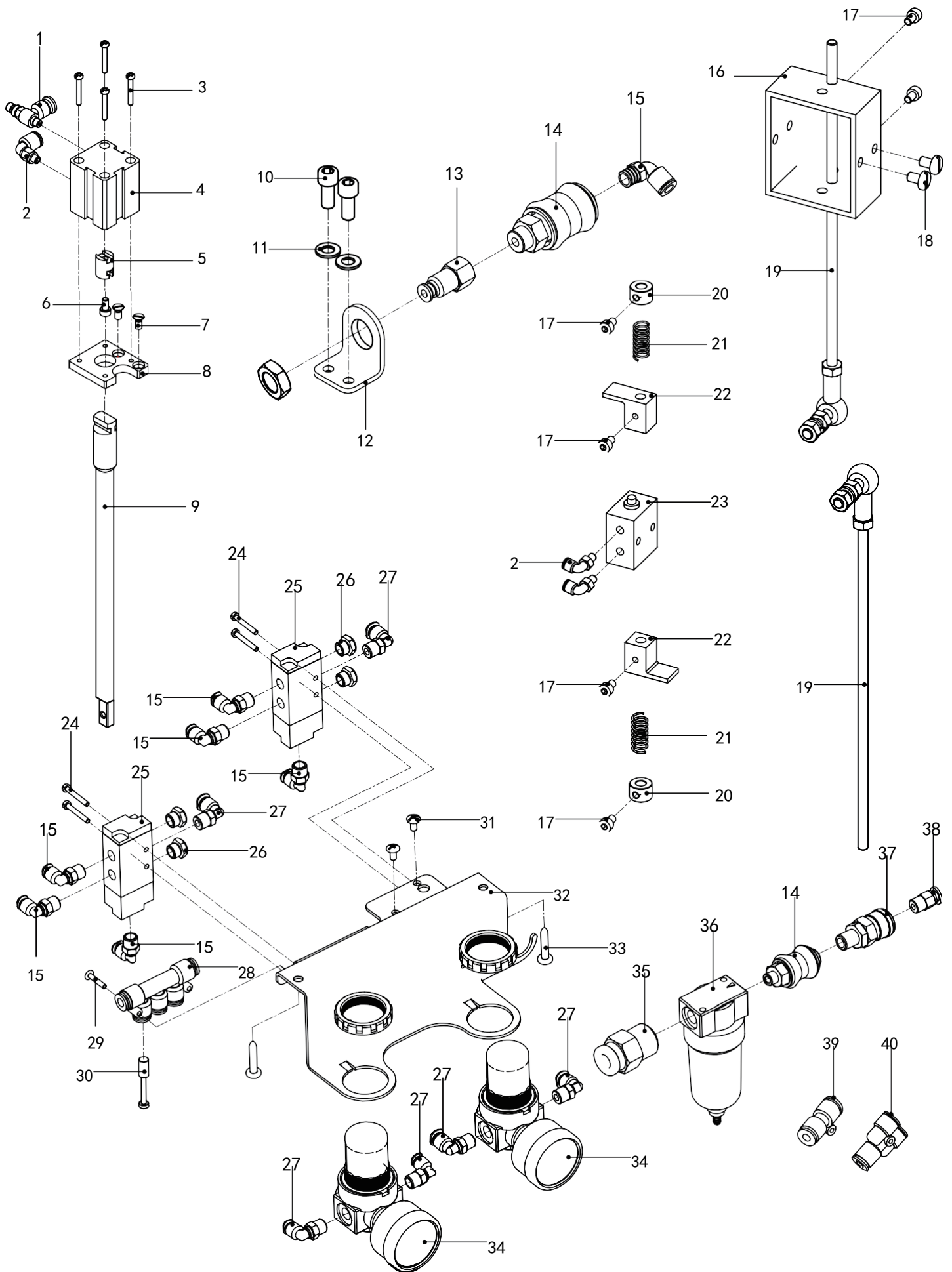
AP-2 拖輪驅動裝置 Drive to equip



AP-3 氣動功能裝置 Pneumatic device

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	927Q-2-18	單向節流閥ASL4-M5/Valve ASL4-M5	1
2	927Q-2-29	L型接頭PL04M5C/"L"Connector PL04M5C	3
3	LD00227	螺釘M4-38/Screw M4	4
4	927Q-1-16	氣缸SDA20X20/Cylinder SDA16X20	1
5	9588A073	壓桿上連接/Press a pole	1
6	LD00104	內六角圓柱頭螺釘M4X8/Screw M4	1
7	LD00201	螺釘SM4.36-8.9/Screw SM4.36	2
8	V19-03	壓腳氣缸安裝板/Install plank	1
9	V19-01	壓桿/Press a pole Connect	1
10	LD00044	內六角圓柱頭螺釘M5X10/Screw M5	2
11	DQ00034	平墊圈5/Washer 5	2
12	9588A003	手滑閥固定支架/Valve fix	1
13	927Q-2-44	直通內牙接頭APMF4-01/Thread Connector	1
14	927Q-3-06	手滑閥HSV06/Valve HSV06	2
15	927Q-2-28	L型接頭PL0401C/"L"Connector PL0401C	7
16	927PF026	機械閥固定架/Machine valve fix	1
17	LD00182	內六角圓柱頭螺釘M4X6/Screw M4x6	6
18	LD00096	螺釘M5-8/Screw M5	2
19	927PF018	球頭拉桿組件/Ball parts	1
20	927PF022	擋圈/Collar	2
21	TH00022	彈簧/Spring	2
22	927PF020	氣閥擋塊/Spirit Valve Plate	2
23	927Q-3-05	機械閥S3B-M5/Machine valve S3B-M5	1
24	LD00241	螺釘M3-22/Screw M3	4
25	927Q-3-03	氣控閥4A110-06/Valve 4A110-06	2
26	927Q-5-07	消聲器BSLM01/Elimination machine BSLM01	4
27	927Q-2-27	L型接頭PL0601C/"L"Connector PL0601C	6
28	7Q-2-09	五通APK6/APK6	1
29	LD00309	螺釘M3/Screw M3	1
30	927Q-5-04	管塞/Tube Fill	1
31	LD00262	螺釘M4-10/Screw M4	2
32	927PF011	氣壓錶固定架/Barometer fix	1
33	LD00187	自攻螺釘ST4.8/Wood Screw ST4.8	2
34	927Q-4-01	調壓閥AR1500/Valve AR1500	2
35	927Q-2-15	螺紋直通APC6-01/Thread Keep APC6-01	1








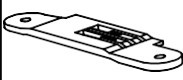
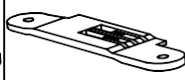
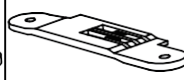
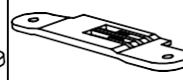
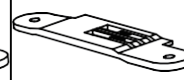
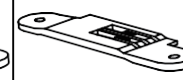

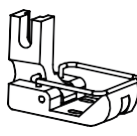
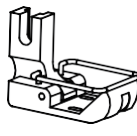
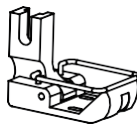
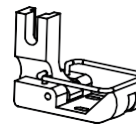
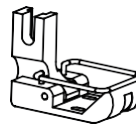
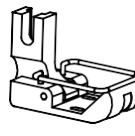
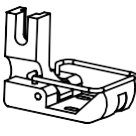
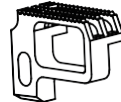
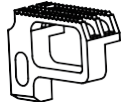
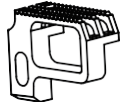
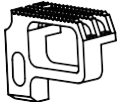
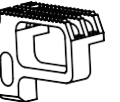
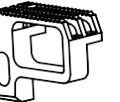
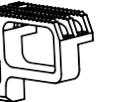
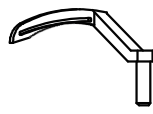
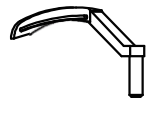
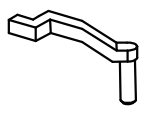
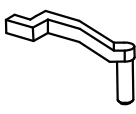

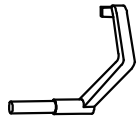
AP-3 氣動功能裝置 Pneumatic device
















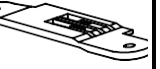
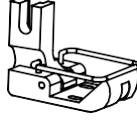


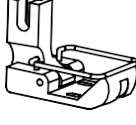
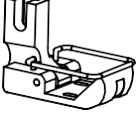
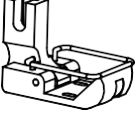
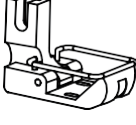
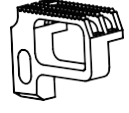
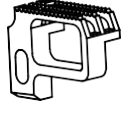
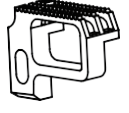
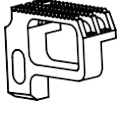
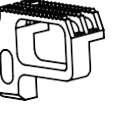
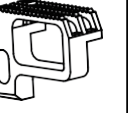
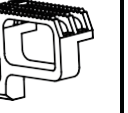
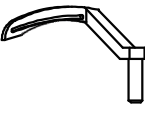
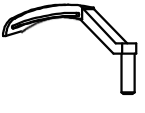
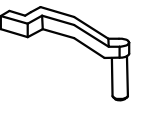
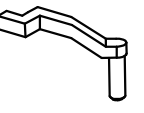

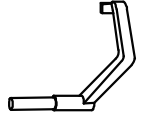
AP-3 氣動功能裝置 Pneumatic device

序號/NO	件號/Part NO	名稱/Description	數量/Num
36	927Q-4-05	篩檢程式AF1500/Filter AF1500	1
37	927Q-2-32	快換接頭(子體) PHM-20-ZN/Connector	1
38	927Q-2-54	螺紋直通IPC08-01-BK/Thread keep	1
39	927Q-2-12	減徑直通OPU06-4/Connector Keep OPU06-4	1
40	927Q-2-07	Y型三通APY4/"Y"transition connector APY4	1

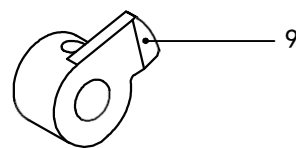
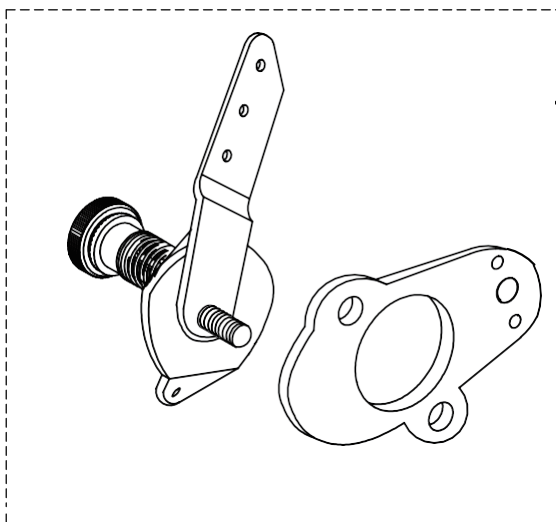
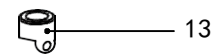
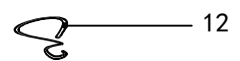
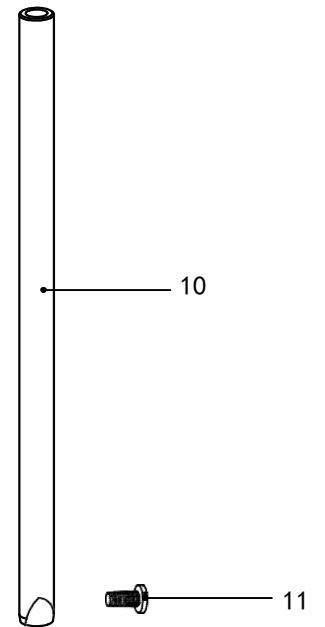
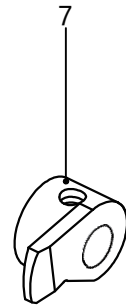
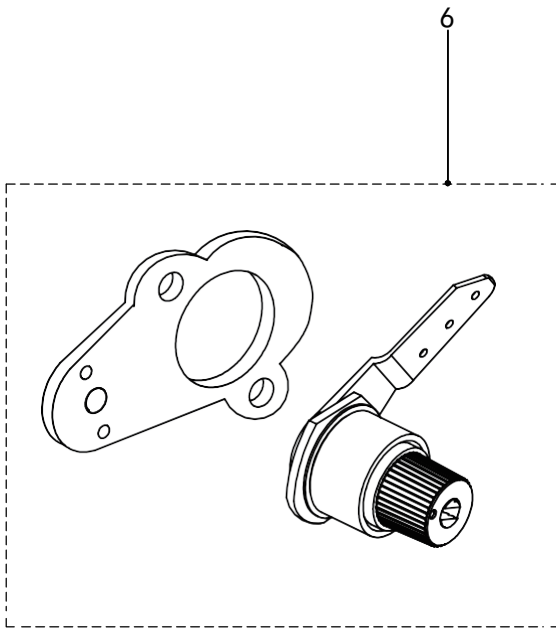
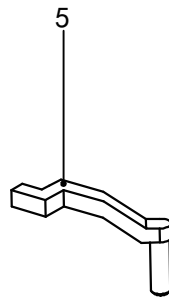
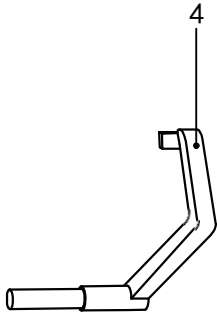
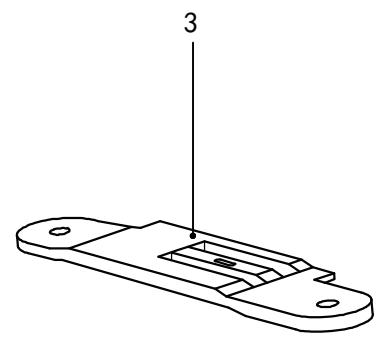
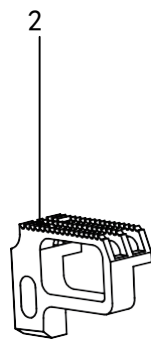
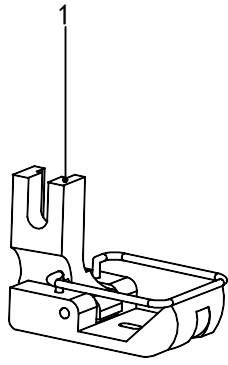
J1-規格零部件表 Different parts list

DL3880 Medium Materials / Heavy Materials							
針位類型 Type	1/8 (3.2mm) Thin Materials	3/16 (4.8mm) Medium Materials	1/4 (6.4mm) Medium Materials	5/16 (7.9mm) Medium Materials	3/8 (9.5mm) Heavy Materials	1/2 (12.7mm) Heavy Materials	5/8 (15.9mm) Heavy Materials
針夾ZJ Needle Clamp	 V02-35-1/8	 V02-35-3/16	 V02-35	 V02-35-5/16	 V02-35-3/8	 V02-35-1/2	 V02-35-5/8
機針JZ Needles	TVx7 14#	TVx7 14#	TVx7 14#	TVx7 14#	TVx7 14#	TVx7 14#	TVx7 14#
針板ZB Needle Plate	 V04-42-1/8	 V04-42-3/16	 V04-42	 V04-42-5/16	 V04-42-3/8	 V04-42-1/2	 V04-42-5/8
壓腳YJ Presser Foot Assy	 V03-10-1/8	 V03-10-3/16	 V03-10	 V03-10-5/16	 V03-10-3/8	 V03-10-1/2	 V03-10-5/8
送布牙SB Feed Dog	 V04-39-1/8	 V04-39-3/16	 V04-39	 V04-39-5/16	 V04-39-3/8	 V04-39-1/2	 V04-39-5/8
右彎針 Right looper	 V06-51	←	←	←	←	←	←
左彎針 Left looper	 V06-47	←	←	←	←	←	←
擺動護針桿 Rear moving needle guard	 V06-70	←	←	←	←	←	 V06-70-5/8
右固定護針桿 Right fixed needle guard rod	 V06-75	←	←	←	←	←	←
左固定護針桿 Left fixed needle guard rod	 V06-74	←	←	←	←	←	←

DL3880H Medium Materials / Heavy Materials

針位類型 Type	1/8 (3.2mm) Thin Materials	3/16 (4.8mm) Medium Materials	1/4 (6.4mm) Medium Materials	5/16 (7.9mm) Medium Materials	3/8 (9.5mm) Heavy Materials	1/2 (12.7mm) Heavy Materials	5/8 (15.9mm) Heavy Materials
針夾ZJ Needle Clamp	 V02-35-1/8	 V02-35-3/16	 V02-35	 V02-35-5/16	 V02-35-3/8	 V02-35-1/2	 V02-35-5/8
機針JZ Needles	UY128GAS 20#	UY128GAS 20#	UY128GAS 20#	UY128GAS 20#	UY128GAS 20#	UY128GAS 20#	UY128GAS 20#
針板ZB Needle Plate	 V04-42-1/8	 V04-42-3/16	 V04-42-XH	 V04-42-5/16	 V04-42-3/8	 V04-42-1/2	 V04-42-5/8
壓腳YJ Presser Foot Assy	 V03-10-1/8	 V03-10-3/16	 V03-10	 V03-10-5/16	 V03-10-3/8	 V03-10-1/2	 V03-10-5/8
送布牙SB Feed Dog	 V04-39-1/8	 V04-39-3/16	 V04-39-XH	 V04-39-5/16	 V04-39-3/8	 V04-39-1/2	 V04-39-5/8
右彎針 Right looper	 V06-51	←	←	←	←	←	←
左彎針 Lift looper	 V06-47	←	←	←	←	←	←
擺動護針桿 Rear moving needle guard	 V06-70	←	←	←	←	←	 V06-70-5/8
右固定護針桿 Right fixed needle guard rod	 V06-75	←	←	←	←	←	←
左固定護針桿 Left fixed needle guard rod	 V06-74	←	←	←	←	←	←

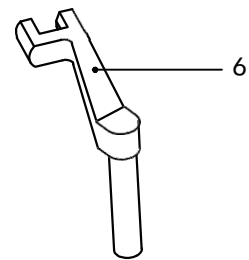
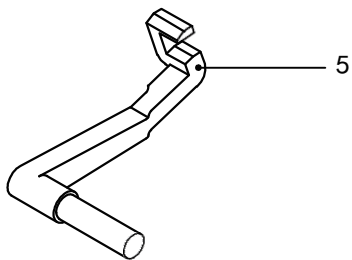
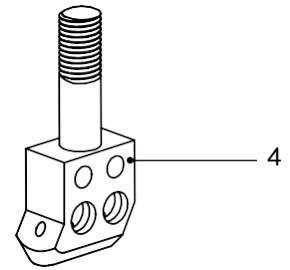
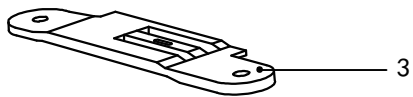
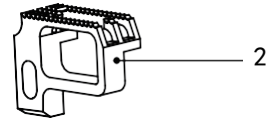
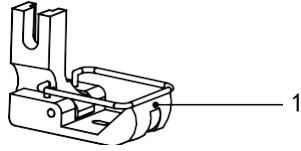
J2-DL3881専用件部分 DL3881 special parts



J2-DL3881專用件部分 DL3881 special parts

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V15-01	壓腳部件/Presser foot asm	1
2	V15-02	送料牙/Feed dog	1
3	V15-03	針板/Throat plate	1
4	V15-05	擺動護針桿/Rear moving needle guard	1
5	V15-06	固定護針桿/Fixed needle guard rod	1
6	V15-07	面線夾線器部件/Needle thread tension asm	1
7	V15-08	面線鬆線爪/Tension release latch	1
8	V15-09	底線夾線器部件/Lower thread tension asm	1
9	V15-10	底線鬆線爪/Looper thread release latch	1
10	V15-12	針桿/Needle Bar	1
11	LD00120	螺釘SM3. 18-4/Screw SM3.18	1
12	V15-15	針桿下襯套線鉤/Needle bar lower bushing hook	1
13	V15-14	針桿線鉤/Needle bar thread hook	1

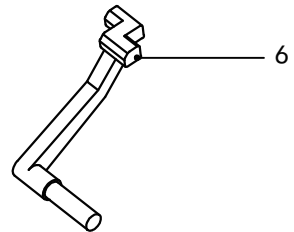
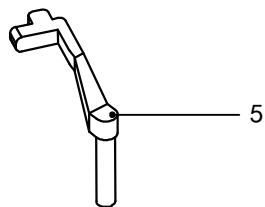
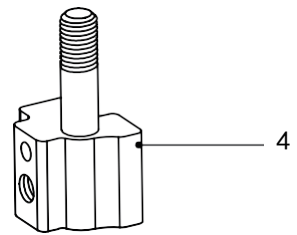
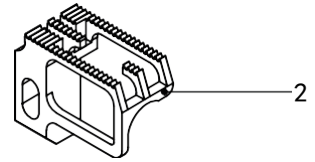
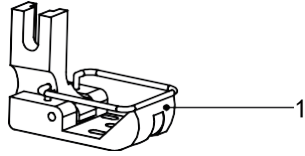
J3-DL3882R専用件部分 DL3882R special parts



J3-DL3882R專用件部分 DL3882R special parts

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V16-01	壓腳部件/Presser foot asm	1
2	V16-02	送料牙/Feed dog	1
3	V16-03	針板/Throat plate	1
4	V16-04	針夾/Needle clamp	1
5	V16-05	固定護針桿/Fixed needle guard rod	1
6	V16-06	擺動護針桿/Rear moving needle guard	1

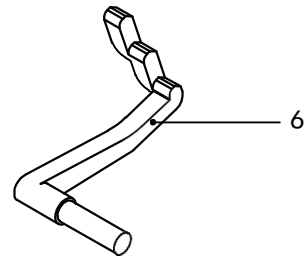
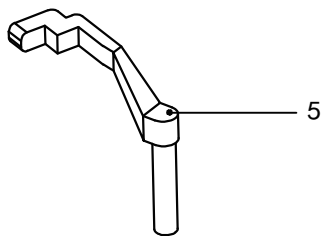
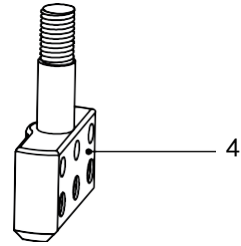
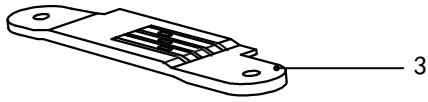
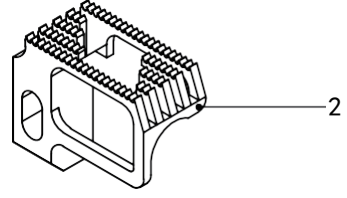
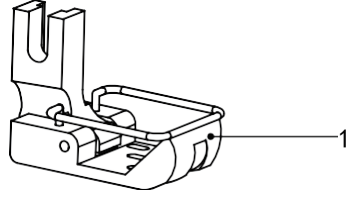
J4-DL3883R専用件部分 DL3883R special parts



J4-DL3883R專用件部分 DL3883R special parts

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V17-22-R	壓腳部件/Presser foot asm	1
2	V17-23	送料牙/Feed dog	1
3	V17-20	針板/Throat plate	1
4	V17-21	針夾/Needle clamp	1
5	V17-24	擺動護針桿/Rear moving needle guard	1
6	V17-25	左固定護針桿/Left fixed needle guard rod	1

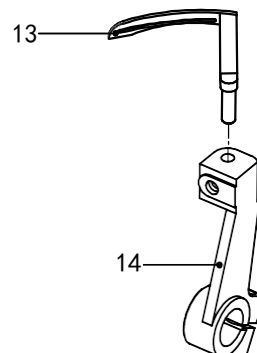
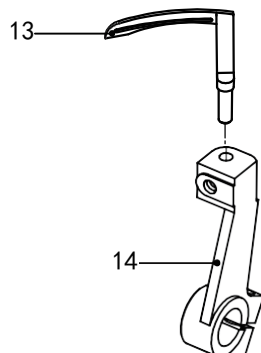
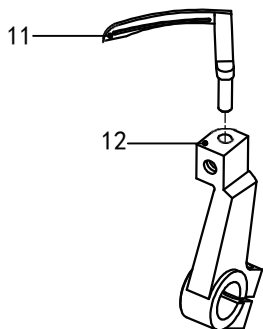
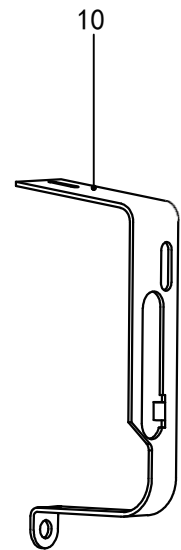
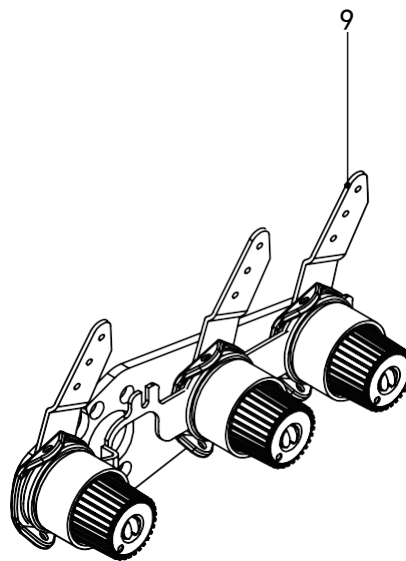
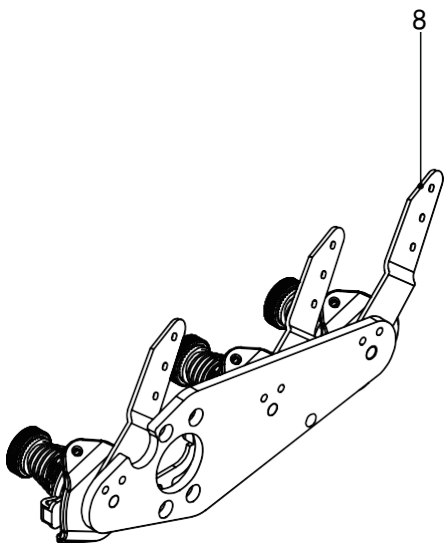
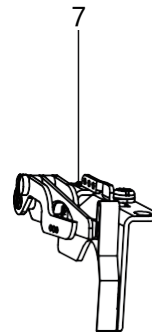
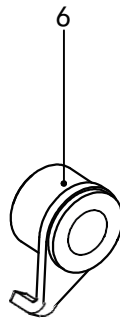
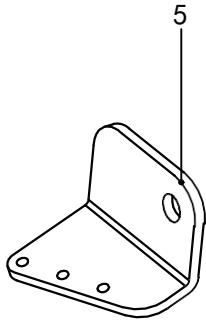
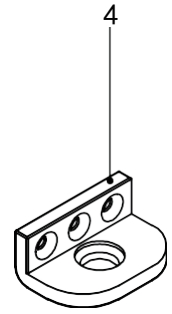
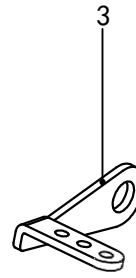
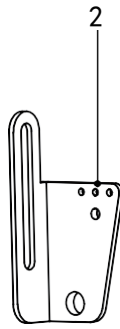
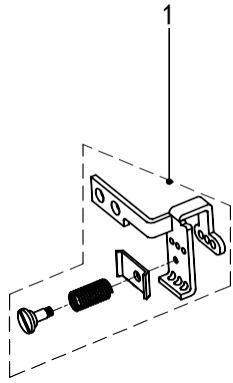
J5-DL3883専用件部分 DL3883 special parts



J5-DL3883專用件部分 DL3883 special parts

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V17-28-R	壓腳部件/Presser foot asm	1
2	V17-29	送料牙/Feed dog	1
3	V17-26	針板/Throat plate	1
4	V17-27	針夾/Needle clamp	1
5	V17-30	擺動護針桿/Rear moving needle guard	1
6	V17-31	左固定護針桿/Left fixed needle guard rod	1

J6-DL3883R、DL3883通用件部分 DL3883R、DL3883 general parts

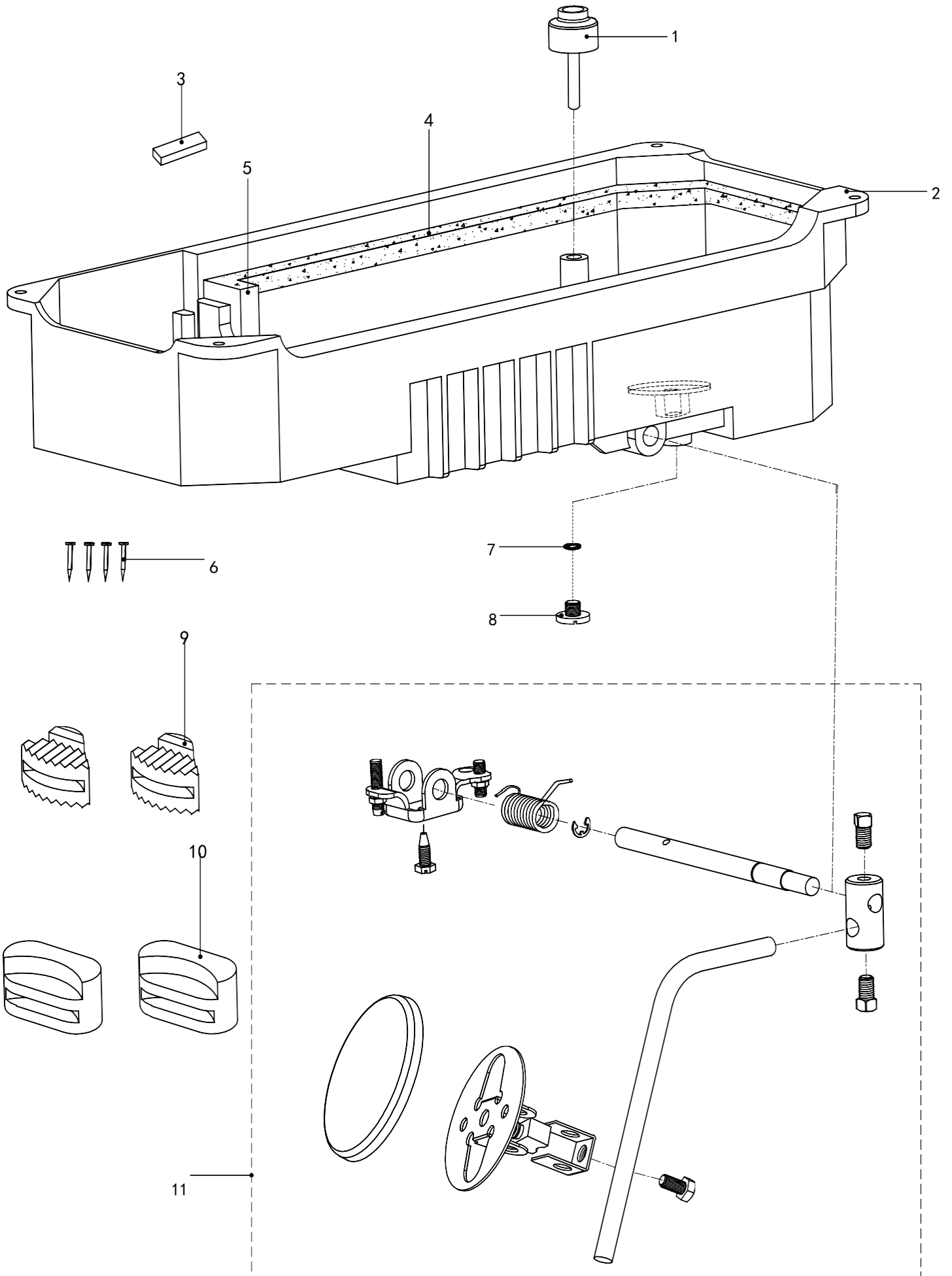


J6-DL3883R、DL3883通用件部分 DL3883R、DL3883 general parts

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V17-01	挑線桿組件/Take-up bar assembly	1
2	V17-02	中間導線勾/Frame thread shaft	1
3	V17-03	導線勾/Frame thread guide	2
4	V17-04	底線導線勾/Looper thread guide	1
5	V17-05	三孔過線板架/Three hole wiring board frame	1
6	V17-07	鬆線爪部件/Loose wire claw part	1
7	V17-10	凸輪導線鉤部件/looper thread guide asm	1
8	V17-11	底線夾線器部件/Lower thread tension asm	1
9	V17-12	面線夾線器部件/Needle thread tension asm	1
10	V17-38	挑線桿護罩/Thread take-up lever guard	1
11	V06-51	右彎針/Looper(RIGHT)	1
12	V17-18	後彎針曲柄部件/Back bending needle crank part	1
13	V06-47	左彎針/Looper(LEET)	2
14	V17-16	左彎針曲柄部件/Left bending needle crank part	2

K-油盤、膝抬壓腳分組件

Oil reservoir & knee lifter components

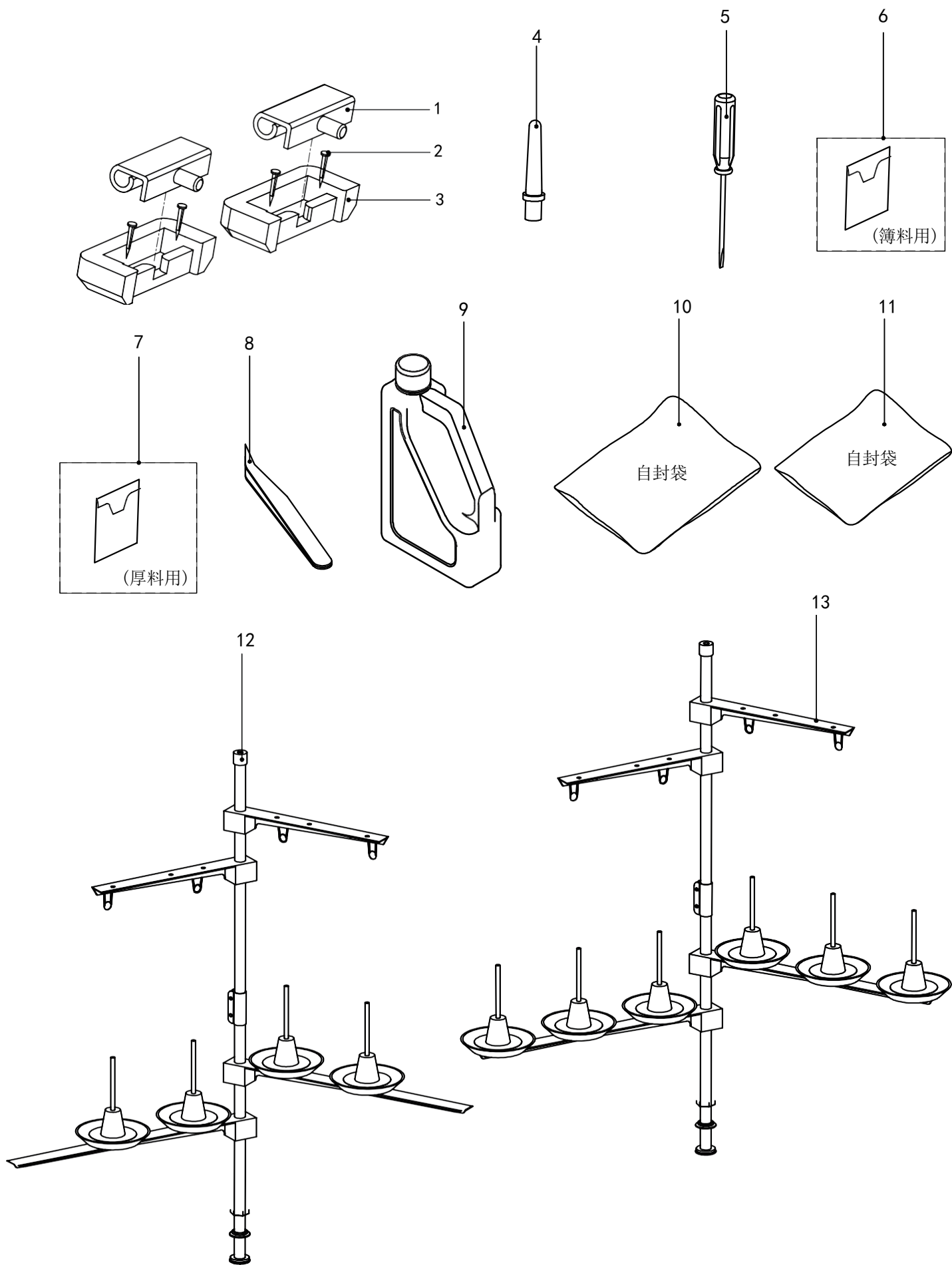


K-油盤、膝抬壓腳分組件

Oil reservoir & knee lifter components

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V09-12	抬壓腳頂銷/Knee press lifter rod	1
2	V09-02	油盤/Oil reservoir	1
3	V09-03	油盤磁鐵/Oil reservoir magnet	1
4	V09-04	油盤側面墊/Gasket	2
5	V09-05	油盤端面墊/Gasket	1
6	V09-09	油盤座釘/Nail	4
7	OXQ00026	O形圈/O Ring	1
8	V02-01	螺釘SM7.94-13/Screw SM7.94	1
9	V09-07	油盤座墊/Oil reservoir felt cushion	2
10	V09-08	油盤支座/Oil reservoir rubber cushion	2
11	V09-30	抬壓腳組件/Presser foot lifting assembly	1

L-附件 Accessories



L-附件 Accessories

序號/NO	件號/Part NO	名稱/Description	數量/Num
1	V10-01	機頭連接鉤部件/Machine hinge plate asm.	2
2	LD00187	自攻螺釘/Wood Screw	4
3	V10-02	機頭連接鉤座/Machine hinge plate	2
4	V10-08	機頭支柱/Machine rest pin	1
5	FJ8-7	中號螺絲刀/ScrewDriver(medium)	1
6	BZV2-37-14/90	機針/Needle	2
7	BZV2-37-20/125	機針/Needle	2
8	FJ4-8	鑷子/Thread Tweezers	1
9	FJ8-11	大油壺/Oiler	1
10	FJ-D-9	自封袋/Accessory bag	1
11	FJ-D-11	自封袋/ Accessory bag	1
12	FJ4-20	四線架/Four wire rack	1
13	FJ4-19	六線架/Six wire rack	1



高林股份有限公司
KAULIN MFG. CO., LTD.

由於對產品的改良及更新，本產品使用說明書中與零件圖之產品及外觀的修改恕不事先通知！
The specification and/or appearances of the equipment described in this instruction book & parts list are subject to change because of modification which will without previous notice.
ZSL-08F01.JUL.2023