GL@BAL_

LPZ 9910 series

Spare parts & instruction manual

With industrial sewing machines, it is normal to carry out work while positioned directly in front of moving parts such as the needle and thread take-up and consequently there is always a danger of injury that can be caused by these part. Follow the instructions from training personnel and instructors regarding safe and correct operation before operating the machine so that you will know how to use it correctly.

SAFETY INSTRUCTIONS

1. Safety indications and their meanings

This instruction manual and the indications and symbols that are used on the machine itself area provided in order to ensure safe operation of this machine and accidents and injury to yourself of other people.

Indications



This instructions which follow this term indicate situations where failure to follow the instructions could cause injury using the machine or physical damage to equipment and surroundings.

Symbols



This symbo (r) indicates something that you should be careful. The picture inside the triangle indicates the nature of the caution that must to be taken. (For example, the symbol at left means "beware of injury".)



This symbol (X) indicates something that you must not do.



This symbol (") indicates something that you must do the picture inside the circle indicates the nature of the thing that must be done (for example, the symbol at left means "you must make the ground connection".)

2. Note on safety

A CAUTION

Environmental requirements

- Use the sewing machine in an area which is free from sources of strong electrical noise such as high-frequency welders.

 Sources of strong electrical noise may cause problems with correct operation.
- Any fluctuations in the power supply voltage should be within ±10% of the rated voltage for the machine.

 Voltage fluctuations which are greater than this may cause problems with correct operation.
- The power supply capacity should be greater than the requirements for the sewing machine's electrical consumption.
- The ambient temperature should be within the range of 5° C-35° C during use.

 Temperatures which are lower or higher than this may cause problems with correct operation.

- The relative humidity should be within the range of 45%-85% during use, and no dew formation should occur in any devices.

 Excessively dry or humid environments and dew formation may cause problems with correct operation.
- Avoid exposure to direct sunlight during use. Exposure to dir ect sunlight may cause problems with correct operation.
- In the event of an electrical storm, turn off the power and disconnect the power cord from the wall outlet.

 Lighting may cause problems with correct

Lighting may cause problems with correct operation.

Installation

Machine installation should only be carried out by a qualified technician.

Contact your JUMBAO dealer or a Qualified electrical work that may need to be done.

The sewing machine weighs approximately 36KG. The installation should be carried out by two or more people.

Be sure to connect the power cord until installation is complete. The machine may operate if the treadle is depresses by mistake, which could result injury.

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.

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

If using a work table which has casters, the casers should be secured in such a way so that they cannot move.

Use both hand 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 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 children.

ACAUTION

Sewing



This sewing machine should only be used by operators who have received the necessary training in safe use beforehand.



The sewing machine should not be used for any applications other than sewing.



Be sure to wear protective goggles when using the machine.

If goggles are not worn, there is the danger that if a needle breaks, parts of the broken needle may enter your eyes and 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



If using a work table which has casters, the casters should be secured in such a way so that they cannot move.



Attach all safety devices before using the sewing machine.

If the machine is used without these devices attached, injury may result.



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 hand 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.



If en error occurs in machine, or if abnormal noises or smells are neticed, immediately turn off the power switch. Then contact your nearest JUMBAO dealer or a qualified technician.



If the machine develops a problem, contact your nearest JUMBAO dearer or qualified technician.

Cleaning



Turn off the power switch before carrying out cleaning. The motor will keep turning even after the power is switched off asea result of the motor's inertia. Wait until the motor stops fully before starting work. The machine may operate if the treadle is depresses by mistake, which could result injury.



Use both hand 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 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 vomiting and diarrhea.

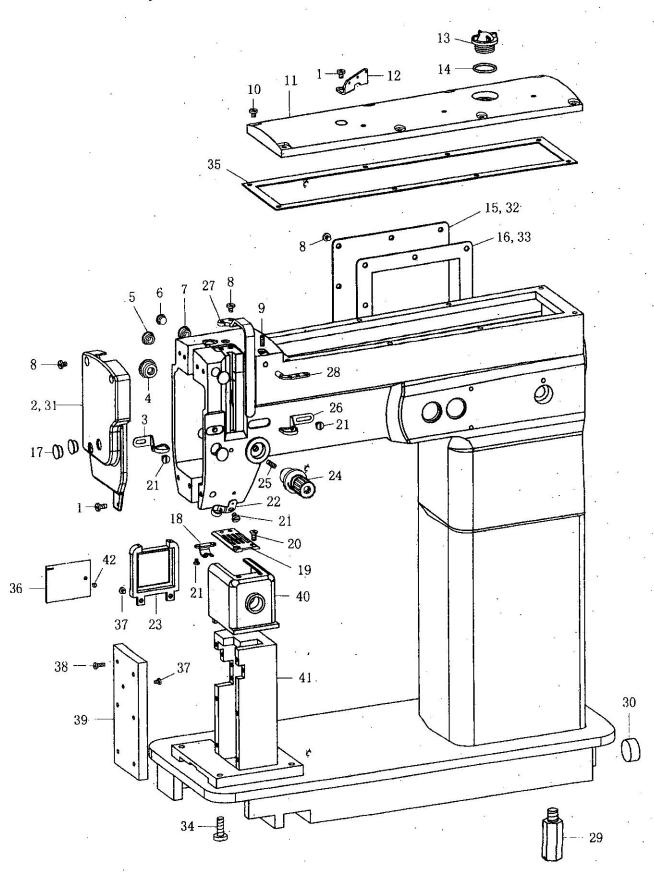


Use only the proper replacement parts as specified by $\underline{\text{JUMBAO}}.$

INDEX

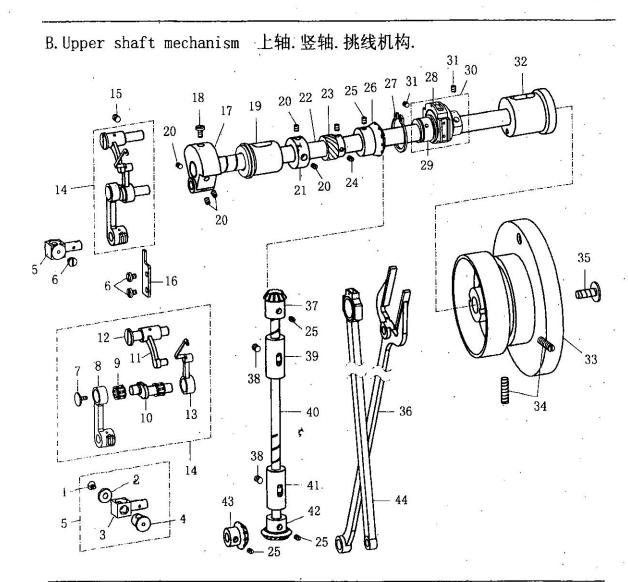
	1
<u> </u>	3.
	3
lower shaft mechan	5
THE Same Print Straigh which which which which which makes supply place to the committee of	5
	7.
·	7
	9
r.	
	11
	12
	12-13
· · · · · · · · · · · · · · · · · · ·	14-15
	16-17
	lower shaft mechan

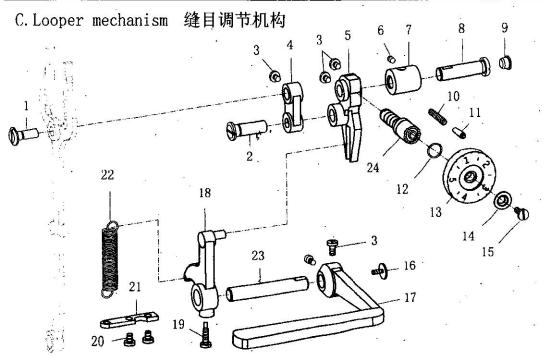
A.Machine body



A. 本体外观/Machine body (注: 01用于1452 02用于2452)

	1 1	1 / 1 / 9 11 11 11 11	Jirthe body		`	T-L-	01/11/1	402 02/11 1 240	4)
注	序	仓储号	名称	件数	注	序	仓储号	名称	件数
	01	PB810-006	螺丝11/64-40x5	3		22	PB810-028	上座下线勾	1
01	02	1530A-002	面板	1		23	1452A-23	梭座盖	1
	03	3702-029	上座左线勾	1		24	3702-901	夹线组	1
	04	P11.8x5	悬吊轴橡皮塞	2		25	PB810-027	螺丝15/64-28x7	3
	05	P10. 8x4	橡皮塞	• 1			3702-005	上座右线勾	1
		P15. 8x6	橡皮塞	2		07	3700A-027	挑线杆防护罩	1
	1	P8. 8x5	橡皮塞	2		28	PB810-019	三眼线勾	1
	1	PB810-109	螺丝11/64-40x7	8	6 PO 160		3700A-029	底板支撑杆	3
		PB810-008	螺丝11/64-40x6	8			P20x7	橡皮塞	1
		PB810-109L	螺丝11/64-40x9	8	02	٠,	3700A-002	DYZ面板	1
		1530A-011	顶盖	1	02		3700A-015	DYZ后盖板	1
		3300A-035	顶盖线勾	1	02		3700A-016	DYZ后盖板油垫	1
	•	1530A-013	油窗	1 :			PB810-261S	内六角M6-1.0x20	4
	i e	ORIN-18	油窗0型圈	-1			1452A-35	顶盖垫片	1
01	15	1530A-015	后盖板	1		36	1452A-36	梭座盖推板	1
01	16	1530A-016	后盖板油垫	_1	la company	37	PB810-21	螺丝9/64-40x6	3
		P11x4	悬吊轴橡皮塞	2			PB810-21	螺丝9/64-40x7	6
	18	1452A-18	旋梭档	1		39	1452A-39	立柱前盖	1
	19	1452A-19	针板	1_		-	1452A-40	梭座	1
	20	PB810-263	螺丝11/64-40x7	2		41	1452A-41	立柱	1.
	21	PB810-021	螺丝9/64-40x7	3		42	45C-1-8-12	螺丝3/32-56x3	1





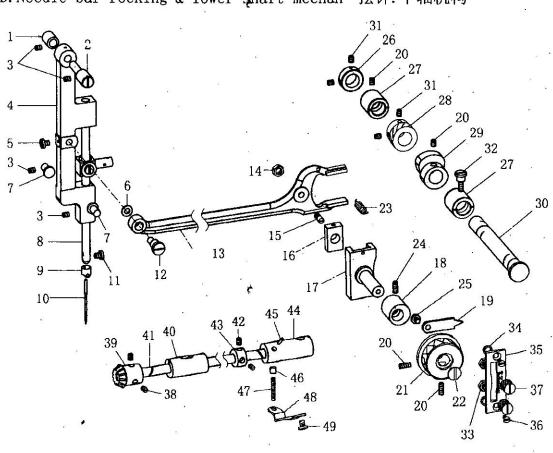
B. 上轴. 竖轴. 挑线/Upper shaft mecha (注:01用于1452 02用于2452) 注一序 仓储号 名 件数注序 称 仓储号 名 称 件数 01 | 1530B-001 螺丝11/64-40x3.5 23 1530B-023 1 摆针传动齿(上) 1 02 1530B-002 垫片 1 . 24 0341C-060 螺丝11/64-40x4 2 03 1530B-003 针杆接头组件 25 PB810-101S 1 螺丝1/4-40x6 8 04 | 1530B-004 针杆接头组件 1 26 PB810-116 上轴齿轮 1 05 | 1530B-005 针杆接头组 (1) 27 PB810-S26 C型挡环 1 06 PB810-006 螺丝11/64-40x6 3 28 PB810-129 牙叉滑块 1 07 | 1530B-007 反牙螺丝 1 29 3704-904B 送布偏心轮 1 08 | 1530B-008 针杆连杆 30 3704-904 1 送布偏心轮组 (1)09 | 081208 滚针轴承 2 31 PB810-027 螺丝15/64-28x7 1 10 1530B-010 挑线曲柄 1 32 PB810-133 上轴右套管 1 11 1530B-011 挑线连杆 1 33 | 3300B-069 手轮 1 12 1530B-012 挑线曲柄悬吊轴 1 34 842E-020 螺丝15/64-28x15 2 挑线杆 13 1530B-013 (1)35 PB810-136 螺丝11/32-28x13 1 14 1530B-014 挑线杆组 1 36 | 1452B-36 送布传动牙叉 1 15 PB810-091 螺丝15/64-28x15 . 1 37 PB810-117 竖轴上齿轮 1 16 | 1530B-016 针杆连杆导位块 1 38 PB810-099 螺丝15/64-28x11 2 17 1530B-017 针杆曲柄 1 39 PB810-119 竖轴上套管 1 18 PB810-105 螺丝9/32-28x10 1 40 1452B-40 竖轴 1 19 PB810-103 上轴左套管 1 41 PB810-120A 竖轴下套管 1 20 PB810-101 螺丝1/4-40x6 **F**3 42 PB810-124 竖轴下齿轮 1 21 PB810-102 上轴挡圈 1 43 PB810-125 下轴右齿轮 1 22 1530B-022 上轴

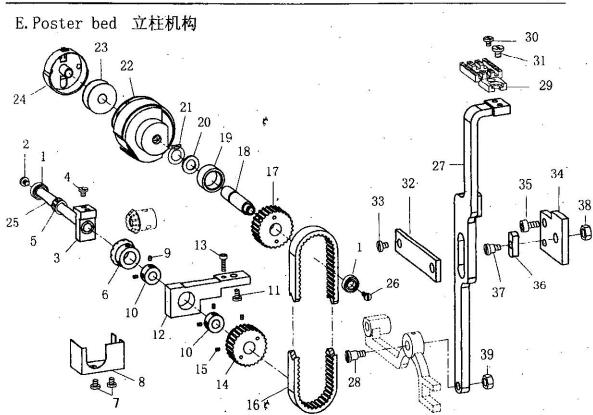
C. ½		调节机构/I	ooper mechanis	m		注)	::01用于148	52 02用于2452)
注	序	仓储号	名 称	件数	注	序	仓储号	名 称	件数
<u> </u>	01	1530D-001	牙叉绞链轴	1		13	842D-013 .	针距标盘	1
<u> </u>	70	PB810-152	针距连杆绞链轴	1		14	842D-013-4	针距标盘垫片	2
	03	PB810-168	螺丝15/64-28x9	1	20 a	15	842D-013-5	螺丝3/16-28x15	8
<u></u>	04	1530D-004	针距连杆	1			PB810-165	螺丝3/16-28x7	1
<u> </u>	05	1530D-005	针距调节摆杆	(1)			PB810-167	倒缝操纵杆	1
	06	PB810-099	螺丝15/64-28x11	3		_	PB810-906	倒缝操纵杆曲柄	1
	07	1452C-7	针距调节摆杆轴套	1				螺丝15/64-28x10	1
		PB810-159	针距调节摆杆轴	1				螺丝11/64-40x7	(1)
	09	P20x4	橡皮塞	2		S. Carlos and P.	PB810-174	复原簧支架	1
	10	PB810-160	止动肖弹簧	1			PB810-172	复原簧	1
	11	3706-096	止动肖	1	-			倒缝操纵杆轴	1
	12	ORIN-14	0型圈	· 1				针距调节螺杆	2

44 1452B-44

抬牙连杆

D. Needle bar rocking & lower shaft mechan 摆针. 下轴机构

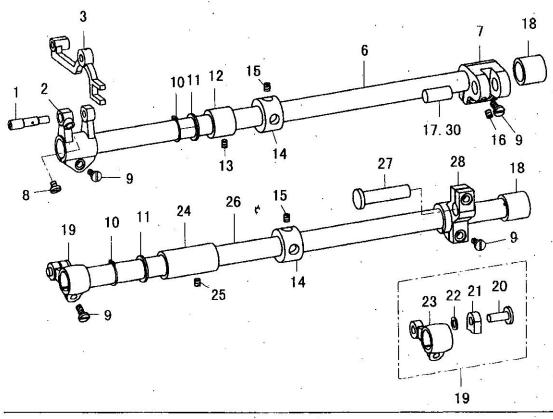




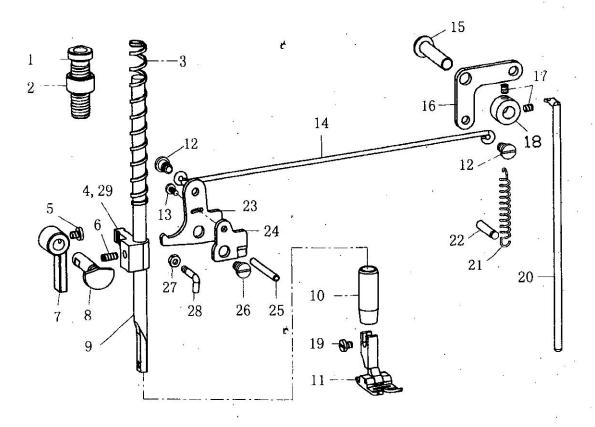
D. 摆针. 下轴/Needle bar rocking & lov 注 序 仓储号 名 称 件数 注 序 仓储号

注	- 23			or TO					
1	序	仓储号	名 称	件数	注	序	仓储号	名 称	件数
4402000	01	1530C-001	摆针架悬吊轴套	1		26	1530C-026	摆针传动轴挡圈	1
	02	1530C-002	摆针架悬吊轴	· 1		27	1530C-027	摆针传动轴套	2
	03	9910J-002	螺丝M4-0.75x4	⁵ 6		28	1530C-028	摆针传动齿轮下	1
	04	1530C-004	摆针架	1			1530C-029	摆针传动偏心轮	1
(C. 10)	05	PB810-006	螺丝11/64-40x6	1			1530C-030	摆针传动轴	1
	06	W5x10x1	垫片W5x10x1	1			341C-060	螺丝11/64-40x4	4
	07	1530C-007	摆针架下挡套	2	·		1530C-032	螺丝15/64-28	4
		1530C-008	针杆	1			1530C-033	螺丝11/64-40x3.5	
	09	9910C-038	针杆过线环	1			3708-201	垫片	2
	10	DPX5	车针	1			1530C-035	摆幅指示板	1
	11	PB810-088	螺丝1/8-44x4.5	1			1530C-036	螺丝11/64-40x10	2
		1530C-012	偏心肖	1			1530C-037	押花螺丝11/64-40	2
		1530C-013	摆针传动二叉	1			PB810-101	下轴齿轮螺丝	2
		PB810-142	螺母9/32-28x4	1			1530C-047	下轴齿轮	1
		1530C-015	传动二叉滑块轴	1			PB810-119	下轴左套	1
		1530C-016	传动二叉滑块	1			1530C-049	下轴	1
		1530C-017	传动二叉滑块座	·l			PB810-221	螺丝15/64-28x5	2
		3708-155	传动二叉滑块座套				PB810-122	下轴挡圈	1
		1530C-019	摆幅指针	1		-	1530B-052	下轴右套	1
	Dec. 170,000 - 170,000	PB810-027	螺丝15/64-28x7	4			1530B-052	下轴右套油管	1
300	100	1530C-021	摆幅手转轮	1			1530B-054	杜塞	1
		PB810~165	螺丝3/16-28x7	1		20.00	PB810-160	<u>壮寒</u> 柱塞弹簧	1
		1530C-023	摆针传动二叉拉簧	1	-		1530B-056		_
-						- 10		挡板	1
	24	PB810-099	螺丝15/64-28x11	1		- 10	PB810-168L	螺丝15/64-28x10	1
r -	24 25	PB810-099 PB810-263	螺丝15/64-28x11 螺丝11/64-40x7	1. 1		49	PB810-168L	螺丝15/64-28x10	1
	24 25 Z柱	PB810-099 PB810-263 孔构/Poste	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism	<u>1</u> , 1		49 (泊	PB810-168L ::01用于14	螺丝15/64-28x10 52 02用于2452)	1
E. 立	24 25 Z柱 序	PB810-099 PB810-263 孔构/Poste 仓储号	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称	1 . 1 件数	注	49 (泊 序	PB810-168L ::01用于14 仓储号	螺丝15/64-28x10 52 02用于2452) 名 称	1
	24 25 左柱 序 01	PB810-099 PB810-263 凡构/Poste 仓储号 1530C-039	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承	1 . 1 件数 2	注	49 (泊 序 21	PB810-168L ::01用于14 仓储号 S-8	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环	1
	24 25 左柱 序 01 02	PB810-099 PB810-263 孔构/Poster 仓储号 1530C-039 PB810-021	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7	1 . 1 件数	注	49 (泊 序 21 22	PB810-168L :01用于14 仓储号 S-8 1452E-22	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭	1 件数
	24 25 左柱 序 01 02 03	PB810-099 PB810-263 凡构/Poste 仓储号 1530C-039 PB810-021 1530C-042	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座	1 . 1 件数 2 3	注	(泊 序 21 22 23	PB810-168L ::01用于14 仓储号 S-8 1452E-22 1452E-23	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯	1 件数 1
	24 25 左柱 6 01 02 03 04	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10	1 . 1 件数 2 3 1 2		(注 序 21 22 23 24	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭壳	1 件数 1
	24 25 左柱 7 01 02 03 04 05	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承	1 . 1 件数 2 3		(注 序 21 22 23 24	PB810-168L ::01用于14 仓储号 S-8 1452E-22 1452E-23	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯	件数 1 1
	24 25 左柱 6 01 02 03 04 05 06	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮	1 . 1 . 2 3 1 2 1		(注 序 21 22 23 24 25	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭壳	件数 1 1 1
	24 25 注柱 6 01 02 03 04 05 06 07	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮	1 . 1 件数 2 3 1 2		(注 序 21 22 23 24 25 26	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24 1452E-25	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭壳 下皮带轮定位轴	件数 1 1 1
	24 25 /柱 01 02 03 04 05 06 07 08	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒	1 . 1 . 2 3 1 2 1		(泊 序 21 22 23 24 25 26 27	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24 1452E-25 PB810-21	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭芯 梭壳 下皮带轮定位轴 螺丝9/64-40x7	件数 1 1 1 1
	24 25 /柱才 01 02 03 04 05 06 07 08 09	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4	1 . 1 . 2 . 3 . 1 . 2 . 1 . 1 . 3		(泊 序 21 22 23 24 25 26 27 28	PB810-168L	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭芯 皮壳 下皮带轮定位轴 螺丝9/64-40x7 送力台	件数 1 1 1 1 1
	24 25 注柱 01 02 03 04 05 06 07 08 09 10	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4 挡圈	1 . 1 . 2 3 1 2 1 1 3 1 . 4 2		(泊 序 21 22 23 24 25 26 27 28 29	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24 1452E-25 PB810-21 1452E-27 PB810-268	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭芯 皮壳 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7	件数 1 1 1 1 1 1
	24 25 /柱 01 02 03 04 05 06 07 08 09 10	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4 挡圈 螺丝11/64-40x12	1 . 1 . 2 3 1 2 1 1 3 1 4		(注 序 21 22 23 24 25 26 27 28 29 30	PB810-168L	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭芯 梭壳 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7 送布齿	件数 1 1 1 1 1 1 1
	24 25 /柱 01 02 03 04 05 06 07 08 09 10 11	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68 1452E-12	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4 挡圈	1 . 1 . 2 3 1 2 1 1 3 1 . 4 2		(泊 序 21 22 23 24 25 26 27 28 29 30 31	PB810-168L	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭壳 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7 送布齿 螺丝1/8-40x6	件数 1 1 1 1 1 1 1
	24 25 /柱 01 02 03 04 05 06 07 08 09 10 11 12 13	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68 1452E-12 1452E-13	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4 挡圈 螺丝11/64-40x12 同步轮轴座 内六角M4-0.7x14	1 . 1 . 2 3 1 2 1 1 3 1 . 4 2		(泊 序 21 22 23 24 25 26 27 28 29 30 31 32	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24 1452E-25 PB810-21 1452E-27 PB810-268 1452E-29 DY6-217 PB810-21	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭芯 梭芯 梭芯 り/64-40x7 送力台 段螺丝11/64-40x7 送布齿 螺丝9/64-40x6 螺丝9/64-40x6	件数 1 1 1 1 1 1 1 1
	24 25 /柱 01 02 03 04 05 06 07 08 09 10 11 12 13	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68 1452E-12 1452E-13 1452E-14	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4 挡圈 螺丝11/64-40x12 同步轮轴座	1 . 1 . 1 . 4 . 4 . 2 . 2		(注 序 21 22 23 24 25 26 27 28 29 30 31 32 33	PB810-168L	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭芯 梭壳 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7 送布齿 螺丝1/8-40x6 螺丝9/64-40x6 外押板压板	1 1 1 1 1 1 1 1 1 1
	24 25 /柱/ 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68 1452E-12 1452E-13 1452E-14 341C-61	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝11/64-40x12 同步轮轴座 内六角M4-0.7x14 下同步带轮 螺丝SM11/64X40	1 . 1 . 1 . 4 . 2 . 1 . 4 . 2 . 1		(注 序 21 22 23 24 25 26 27 28 29 30 31 32 33 34	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24 1452E-25 PB810-21 1452E-27 PB810-268 1452E-29 DY6-217 PB810-21 1452E-32 42G-12	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭壳 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7 送布齿 螺丝9/64-40x6 螺丝9/64-40x6 外押板压板 螺丝9/64-40x5	件数 1 1 1 1 1 1 1 1 2
	24 25 /柱/ 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68 1452E-12 1452E-13 1452E-14 341C-61 1452E-16	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4 挡圈 螺丝11/64-40x12 同步轮轴座 内六角M4-0.7x14 下同步带轮	1 . 1 . 1 . 2 . 1 . 1 . 4 . 2 . 2 . 1 . 1		(注 序 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35	PB810-168L	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭芯 状态 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7 送布齿 螺丝9/64-40x6 螺丝9/64-40x6 外押板压板 螺丝9/64-40x5 滑块固定板	件数 1 1 1 1 1 1 1 1 2 1 2
	24 25 / 柱 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68 1452E-12 1452E-13 1452E-14 341C-61 1452E-16 1452E-17	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝11/64-40x12 同步轮轴座 内六角M4-0.7x14 下同步带轮 螺丝SM11/64X40	1 . 1 . 1 . 2 . 1 . 1 . 3 . 1 . 4 . 2 . 2 . 1 . 1 . 1		49 (泊 序 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24 1452E-25 PB810-21 1452E-27 PB810-268 1452E-29 DY6-217 PB810-21 1452E-32 42G-12 1452E-34 91D-3 1452E-36	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭壳 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7 送布齿 螺丝9/64-40x6 螺丝9/64-40x6 外押板压板 螺丝9/64-40x5 滑块固定板 内六角M4-0.7x10 滑块珠	件数 1 1 1 1 1 1 1 1 2 1
	24 25 / 柱 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68 1452E-12 1452E-13 1452E-14 341C-61 1452E-16	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4 挡圈 螺丝11/64-40x12 同步轮轴座 内六角M4-0.7x14 下同步带轮 螺丝SM11/64X40 同步带	1 . 1 . 1 . 2 . 1 . 1 . 4 . 2 . 2 . 1 . 1 . 1 . 2		49 (注) 月子 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37	PB810-168L	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭芯 梭壳 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7 送布齿 螺丝9/64-40x6 外押板压板 螺丝9/64-40x5 滑块固定板 内六角M4-0.7x10 滑块珠 段螺丝3/16-32x9	1 1 1 1 1 1 1 1 1 2 1 2 1
	24 25 /柱/ 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18	PB810-099 PB810-263 凡构/Poster 仓储号 1530C-039 PB810-021 1530C-042 9910D-003 081208 1530C-063 PB810-021 1530C-064 9910J-002 1530C-040 PB810-68 1452E-12 1452E-13 1452E-14 341C-61 1452E-16 1452E-17	螺丝15/64-28x11 螺丝11/64-40x7 r bed mechanism 名 称 696轴承 螺丝9/64-40x7 梭轴座 螺丝M4-0.7x10 滚针轴承 齿轮 螺丝9/64-40x7 黄油盒 螺丝M4-0.75x4 挡圈 螺丝11/64-40x12 同步轮轴座 内六角M4-0.7x14 下同步带轮 螺丝SM11/64X40 同步带	1 . 1 . 1 . 1 . 2 . 1 . 1 . 2 . 2 . 1 . 1 . 1 . 1		(注 序 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38	PB810-168L :01用于14 仓储号 S-8 1452E-22 1452E-23 1452E-24 1452E-25 PB810-21 1452E-27 PB810-268 1452E-29 DY6-217 PB810-21 1452E-32 42G-12 1452E-34 91D-3 1452E-36	螺丝15/64-28x10 52 02用于2452) 名 称 S8扣环 旋梭 梭芯 梭壳 下皮带轮定位轴 螺丝9/64-40x7 送力台 段螺丝11/64-40x7 送布齿 螺丝9/64-40x6 螺丝9/64-40x6 外押板压板 螺丝9/64-40x5 滑块固定板 内六角M4-0.7x10 滑块珠	件数 1 1 1 1 1 1 1 1 2 1 2

F. Feed mechanism 下送布机构



G. Presser foot mechanism 抬押机构



F. 下送布机构/Feed mechanism

(注:01用于1452 02用于2452)

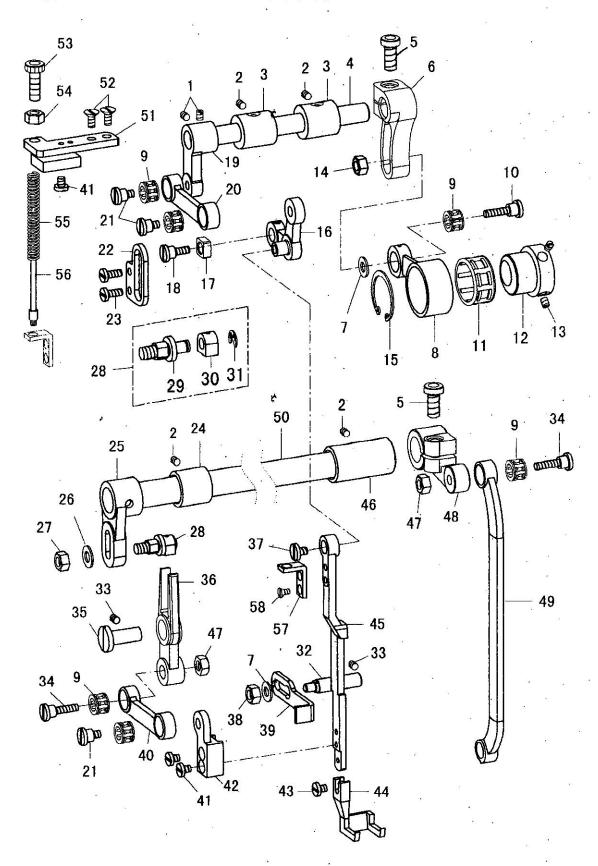
S 10 W				30 - 600	20				
注	序	仓储号	名 称	件数	注	序	仓储号	名 称	件数
	01	1530E-001	牙架偏心轴	1	01	17	PB810-226	送布轴曲柄绞链轴	1 1
	02	1530E-002	牙架曲柄	1		18	1530E-018	送布轴右套	$\frac{1}{2}$
	03	1452F-3	牙架	1		19	1530E-019	抬牙轴左曲柄组	(1)
	06	1530E-006	送布轴	1		20	3300D-234B	抬牙叉滑块轴	+ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	07	PB810-222	送布轴曲柄(右)	1			3300D-234C	抬牙叉滑块轴	+
	80	PB810-109	螺丝11/64-40x7	1			W6x10	W6垫片	1
	09	PB810-068	螺丝11/64-40x13	5	· ·			抬牙轴左曲柄	+
	10	S-15	S扣环	2				<u>抬牙轴左套</u>	1 1
		W15x20	W15垫片	2				螺丝15/64-28x11	+ + -
	12	1530E-012	送布轴左套	, 1		26	1530E-026	抬牙轴	╀┷┪
	13	PB810-027	螺丝15/64-28x7	1		27		抬牙轴曲柄绞链轴	+ + +
	14	PB810-211	送布轴挡圈	2		-		<u>抬牙轴右曲柄</u>	+ 1
	15	PB810-221	螺丝15/64-28x5	4	02			送布轴曲柄绞链轴	╆╪┤
	16		螺丝11/64-40x7	1			-0000	(A) 中国 (A) (A) (A)	┼╌┤

G. 抬押机构/Presser foot mechani:

(注:01用于1452 02用于2452)

注	序	仓储号	名 称	件数	注	序	仓储号	名称	件数
<u> </u>	01	PB810-184	调压螺套	·l		16	1530F-016	膝控起押提升块右	1 1
L	02	37010-143	调压螺套螺母	1			PB810-221	螺丝15/64-28x5	2
	03	PB810-187	压簧	1			PB810-122	挡圈	1
01	04	1530F-004	押杆导位块	1	1	19	PB810-021	螺丝9/64-40x7	+ +
	05	PB810-109	螺丝11/64-40x7	1		20	1452G-20	<u>膝</u> 控起押顶杆	$\frac{1}{1}$
	06	PB810-027	螺丝15/64-28x7	5		21	1530F-021	复原拉簧	
	07	1530F-007	抬押扳手	1		22	1530F-022	拉簧肖	1 1
	08	1530F-008	起押偏心器	¢ 1	200	23	1530F-023	膝控起押提升块左	1
	09	37010-137	押杆	1		24	1530F-024	夹线松线片	1 1
	10	PB810-202	押杆下套	Ī			37010-125	夹线松线杆	1 1
	11		押脚	1	_			螺丝1/4-40x7.5	1
	12	341F-025	螺丝3/16-28x8.5	2	7.			螺丝19/64-40x3	1 1
	13		螺丝11/64-40x6.5	1				<u> </u>	1
	14		膝控起押引杆		02				1
. 1	15		膝控起押提升块轴	-1-1	02	43	20301 029	DYZ押杆导位块	1
			14.4-7-1 NC/1-2/411				 		

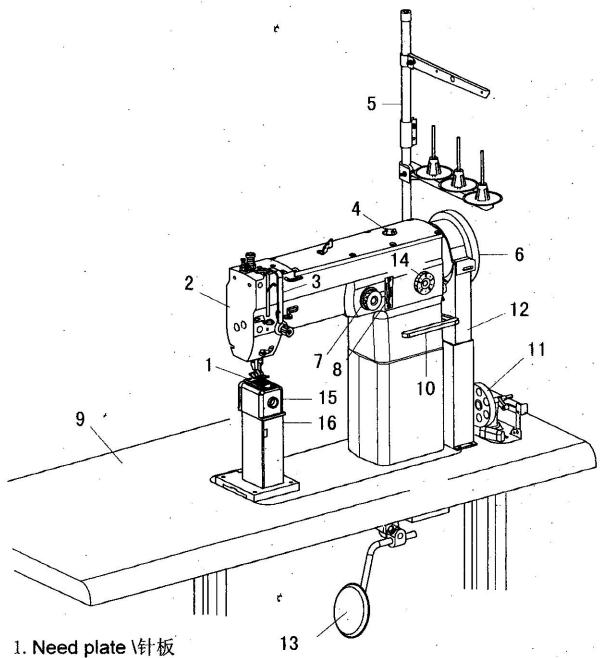
H. Upper feed mechanism 上送布机构



H. 2452上送布机构/Upper feed med

注	序	仓储号	名 称	件数	注	序	仓储号	名 称	件数
	01	9910G-017	螺丝M5x6	2		30	3708-194A	调节器滑块	1
20.00	02	PB810-008	螺丝11/64-40x6	į 4		31	E-4	E4扣环	1
	03	3708-155	押脚提升轴套	2		32	3700E-032	外押脚板压板轴	1
	04	3700E-004	押脚提升轴	1		33	PB810-027	螺丝15/64-28x7	2
	05	PB810-261S	螺丝M6x20	2		34	3700E-034	螺丝1/4-40x16	2
	06	3700E-006	押脚提升调节曲柄	1		35	3708-208	送料变动曲柄导柱	1
	07	W6x12	W6垫片	2		36	3700E-036	外押送料变动曲柄	1
	08	3700E-008	偏心轮连杆	_1		37	PB810-164	3/16-28x7	1
	09	8x12x8	滚针轴承	6		38	842C-015	螺母15/64-28x3	1
	10	3700E-010	螺丝M6	1		39	2530G-039	外押脚板压板	1
	11	24x28x13	滚针轴承	1		40	2530G-040	外押送料连杆	1
	12	3700E-012	提押偏心轮	1		41	PB810-21S	螺丝9/64-40x6	2
	13	PB810-101	螺丝1/4-40x6	2		42	2530G-042	外押送料连杆座	1
	14	3708-167	螺母M6	1		43	PB810-21L	螺丝9/64-40x8	- 1
	15	R-24	R24扣环	1		44	2530G-044	外押脚	1.
	16	3700E-016	外押板悬吊座	. 1		45	2530G-045	外押脚板	1
	17	3700E-017	滑块	1		46	3700E-046	外边轴右套	1
	18	3700E-018	螺丝3/16-28x7	1		47	3708-207A	螺母1/4-40x5	2
	19	3700E-019	外押提升曲柄	1		48	3700E-048	外押摆动曲柄右	1
	20	3700E-020	外押提升连杆	1		49	1452H-49	外押摆动曲柄连杆	1
	21	3700E-021	螺丝1/4-40x7	3		50	3708-213	外边轴	1
		3700E-022	押杆提升导位板	1		51	2530G-61	外押调节螺丝座	1
	23	PB810-109	螺丝11/64-40x7	2		52	PB810-263	螺丝11/64-40x7	2
	· ·	3708-193	外边轴左套	· 1		53	DY8-151	外押调节螺丝	1
	25	3708-212	外押摆动曲柄左	1		54	PB810-142	螺母9/32-28	1
ļ	26	W6. 5X13	₩6.5垫片	1	. ii .	55	DY8-170	外押弹簧	1
		3708-210	螺母1/4-24x5	_ 1		56	DY8-171	外押弹簧支轴	1
		3708-194	外押同步调节器	(1)		57	2530G-62	外押簧座	1.
	29	3708-194B	调节器轴	_1		58	PB810-255	螺丝9/64-40x7	2

I.Name of major parts\各部件名称



- 2. Face plate \面板
- 3. Thred take-up \挑线杆防护罩
- 4. Oil window \油窗
- 5. Cottonstand assy \线架
- 6. Pully \手轮
- 7. Hand trun wheel \摆幅手转轮
- 8. Indicating board \摆幅指示板
- 9. Rubber hinge assy \台板

- 10. Reverse lever \抬押扳手
- 11. Bobbin winder assy \绕线器
- 12. Belt coverassy \皮带罩
- 13. Cover .K-Lifter plate \膝控碰块
- 14. Stitch length dial assy \针距标盘
- 15. Rotary hook Base \梭座
- 16. Ppster bend \立柱

J. Machine specifications\规格

ltem Model	TC-1452/TC-1453/TC-1454	TC-2530/TC-2533/TC-2534
Speed 速度	1200spm	1450spm
Zigzag width 摆幅	2points/3points/4points	2points/3points/4points
Needle size 机针	DPx5	DPx5
Thead take-up capacity 挑线杆活动量	73mm	73mm
Needle bar capacity 针杆活动量	34mm	34mm
Presser foot operating 压脚差动量		3-7mm
Presser foot tising rate 压脚上升量	. 7m /n	7mm
Shuttle 旋梭	Big shuttle 卧式人旋梭	Big shuttle 卧式大旋梭
Usage 用途	Light-weight materials to particular partic	Medium-weight materials to heavy-weight materials 中料-厚料

N. Installation\安装

Oil Pan

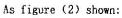
As figure (1) shown:

Push 1 in table.

油盘

如图(1) 所示, 将油盘❶

放入台板。



Cover . K-Lifter plate

Adjust knee pan joint . kenn lifter vertical shaft installing am 1 and knee pad lever 6

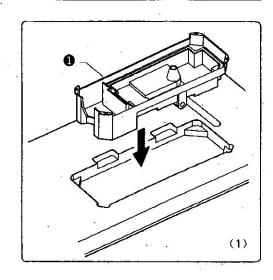
to the direction of kmee lifter lever

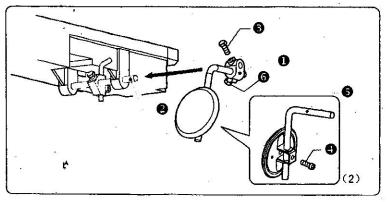
shaft@and assemble these components.

Adjust the direction of the pad with setscrews @ and @.

膝控碰块

如图 (2) 所示,将膝控碰块 ●插入 油盘上的膝控提升连杆❷。松开螺 行❸和螺钉❸,将膝控磁块❶移至 易于使用的位置。





As figure (3) shown:

Fix the hinge seats **1** and the support rubbers **3** supplien whit the machine on table using nails **9**

Then push fin the oil pan

如图 (3) 所示:

机壳铰链套

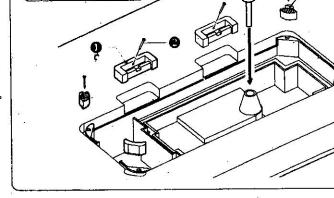
将两个个机壳铰链套 ●嵌入台板的 止动销,并用两个铁钉 ❷将其固定。

三角型防震垫块

将两个三角型防震垫块 ❸ 放入油盘的两角, 然后用两个铁钉 ❶ 将其固定。 耳型防震垫块

两个耳型防震垫块 ⑤ 放入油盘的另外两角,并用两个铁钉 ⑥ 将其固定。 膝控提升顶杆

膝控提升顶杆●插入油盘。



As figure (4) shown:

Head hinge push in the machine.

Tap the head rest **3** securely into the table hole.

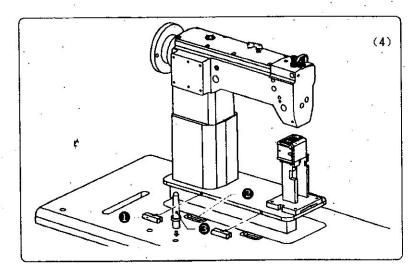
如图(4)所示:

缝纫机头部

将铰链❶插入机壳,然 后放入机壳铰链套❷。

机头撑杆

将机头撑杆 ❸ 敲入台板 中。



(3)

As figure (5) shown:

Apply screw to tighten belt cover 0 to machine cover.

Apply screw to tighten belt cover C

and cover U 0.

Apply screw to tighten belt cover D on the table.

如图 (5) 所示:

U型皮带罩

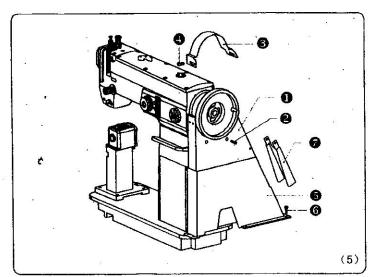
用螺钉❷将U型皮带罩❶锁入机壳。

C型皮带罩

用螺钉●将C型皮带罩●与U型皮带罩●锁紧。 D型皮带罩

用螺钉 6 将D型皮带罩 5 锁紧。

将D型皮带罩盖●扣入U型皮带罩❶。

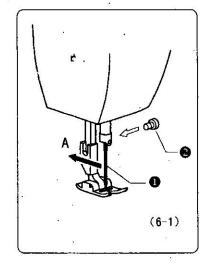


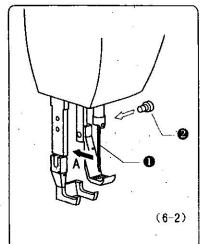
K. Adjustment / 缝纫机的调整

Installing the needle

As figure (6-1 6-2) shown:
Rotate handwheel to make
needle bar rise to the
meximumhigh,loosen tighten
screw 2 plug needle 1 to the
top needle's groove side face
to A then fsten screw 3.

如图(6-1)(6-2)所示,转动 手轮使针杆上升到最高位置, 松开机针紧固螺钉 3,将机针 1 插到顶,长槽面向A方向,然 后拧紧螺钉 2。





As figure (7) shown:

<1>Open the case cover, then take out the bobbin case • Instell bobbin into bobbin case •, open the case cover, snap bobbin case • into shuttle • then assemble together.

<2> Tuen tension adjustment screw (A) clockwise Y to increse the bobbin thread ten sion, or counterclockwise X to decrease it.

梭壳拆装及张力调整

<1> 梭壳的拆装 掰开梭壳盖A,即可取出梭壳❶。 将梭芯❸装入梭壳❶后,掰开梭壳盖A,将梭壳扣入 旋梭③,并与之结合即可。

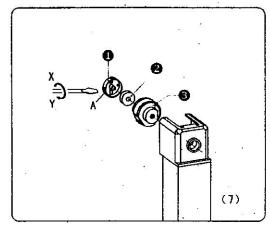
<2> 张力的调节 如图,用螺丝刀转动螺钉A, X方向底线张力变小,Y方向张力变人。

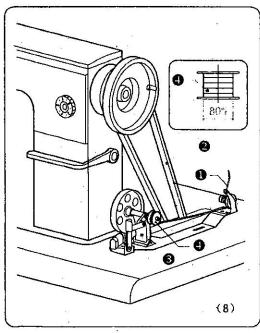
As figure (8)show: connect lower thread thr

绕底线

底线 ● 按图(8)所示连接好之后,推 动绕线器 ❸ 的扳手使转轮贴到皮带轮 ❷ 上,并随之转动。

梭芯型上的绕线量约80%时为最好。





As figure (9) shown:

<1>Threading the upper thread

Insent the upper thread Das figure shown.

<2> Face line tension adjustment

Rotate clipper **3**, the upperline tension in direction Xincrease and Y direction decrease.

穿面线及调整

如图 (9) 所示

- <1> 穿面线,面线 按图依次穿过。
- 〈2〉 面线的调整,转动夹线器❷, X方向面线张力变大, Y方向张力变小。

Presser foot pressure adjustment

As figure (10) shown:

Rotate screw **①**, the outer pressure in A direction increase B direction decrease adjustment fix the nut **②**.

Rotate screw $\ensuremath{\mathfrak{S}}$, the inner pressure in C direction increase D direction decrease after adjustment fix the nut $\ensuremath{\mathfrak{S}}$.

压脚压力调整

如图 (10) 所示

外压脚压力调整

旋转螺丝 ❶, A方向外压脚压力变人,

B方向压力变小。调整后必须固好螺母 ❷。

内压脚压力调整

旋转螺丝 6, C方向内压脚压力变大,

D方向压力变小。调整后必须固好螺母 4.

As figure (11) shown:

Rotate the stitch length dial assy **O**to adjust the swing span in A direction decrease and B direction increase.

针距调整

如图(11)所示,针距调节盘 ❶上表示的是针距mm的 数值,左右转动调整到自己需要的数值上。

Span adjustment

As figure (13) shown:

Macro adjustment

The swing indicator ②indicate the span number in mm rotate the swing handwheel ① , toadjust the swing span in A direction decrease and B direction increase .

Micro adjustment

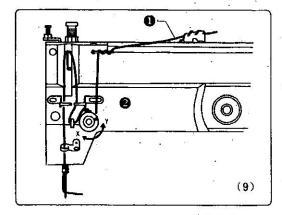
Open the rubber cork

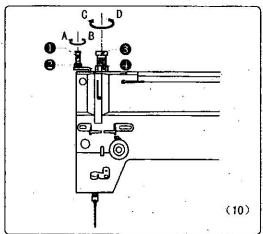
apply screwdriver to rotate eccentric bar

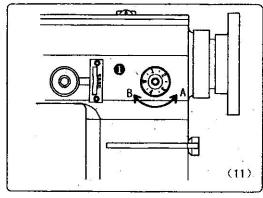
to adjust the swing span .

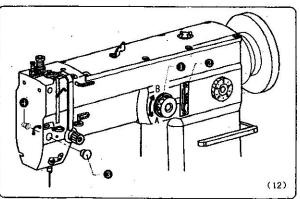
摆幅调整

如图(13)所示,摆幅指示板 ②上表示的是摆幅mm的数值, 转动摆幅于转轮 ❶,A方向摆幅减小,B方向摆幅增大。









P. TROUBLESHOOT

NO	Trouble	What to do when	Trouble parse	Corrective measures
		Direction and height of needle	Wrong direction of upper needle	Correct direction from high to maximum high
		needle	Bend needle	Change needle
	Feed dog travel Breaking		Mismatch of needle bar movement feed dog travel	Adjust travel of needle and shuttle
1	needle	Needle bar rising	Wrong travel of needle and shuttle	Adjust travel of needle and shuttle
	·	Needle bar height	Wrong travel of needle and shuttle	Adjust travel of needle and shuttle
	, , , , , , , , , , , , , , , , , , , ,	Maim distance between needle and shuttl	Wrong traveled needle and shuttle	Correct threading
		Ways of threading	Improper threading	Correct threading
		ncedle	Bent needle or broken needle tip	Change needle
2	Breaking	Direction and height of needle	Lipper needle problem	Correct upper needle
_	thread	Upper thread tension	Upper thread tension too strong	Adjust upper thread tension
		Lower thread tension	Lower thread tension too strong	Adjust lower thread tension
		Thread take-up spring rate	Rate too big	Adjust spring rate
<u>.</u>		Thread take-up spring tension	Thread take-up spring tension too weak	Adjust thread take-up spring tension
	99 - B000000 - 3046	Thread tension	Shuttle upper thread tension problem	Adjust shuttle and upper thread tension
3	Wire	Thread take up spring tension	Thread take-up spring tension problem	Adjust thread take-up spring Lension
	problem	Presser foot	Presser foot too high	Adjust presser foot height
		Presser foot pressure	Presser foot presser too small	Adjust presser foot pressure
on visition.		Feed dog height	Feed dog height too low	Adjust feed dog height
4	Wrinkly of	Presser foot pressure	Presser foot pressure too small	Adjust presser foot pressure
**	fabric	hobbin	Scratch bobbin	Polish or change
	140110	V belt tension	Belt tension too small	Adjust helt tension
		Lpper thread tension	Upper thread tension too strong	Adjust upper thread tension
5	Tangled	lower upper thread tension	Lower thread tension too strong	Adjust lower and upper thread tension
	thread	Throad take-up spring tension	Thread take-up spring tension too problem	Adjust thread take-up spring tension
		Thread take-up spring rate	Rate too hig	Adjust thread take-up spring rate
_	,	Presser foot pressure	Presser foot pressure too small	Adjust presser [ont pressure
		hobbin	When pulling lower thread bobbin reverse	Reverse hobbin
6	Tangled	hobbin	Bobbin does not rotate smoothly	Chang hobbin
	thread	Bobhin winding amount	Too much winding amount	Winding amount should not be more than 80%

五、故障原因及对策

NO	故障状态	查看事项	故障原因	处理方法
		计的方向、高度	九針方向不对	正确方向上到最上
		\$ †	弯针	换针
1	የሦር ሉ I	送布牙行程	针杆运行与送布行程不对	调整送布牙行程
1	断针	针杆上升量 .	针和旋梭的行程不良	调整针和旋梭的行程
		针杆高度	针和旋梭的行程不良	调整针和旋梭的行程
		针和旋梭主距离	针和旋梭的行程不良	调整针和旋梭的行程
		穿线方法	穿线出错	正确方法穿线
,		缝纫针	针已弯或针尖已坏	换针
_	ゆて 人上	针的方向、高度	上针位置不良	正确方向上针
2	断线	面线张力	面线张力太强	调整面线张力
		底线张力	底线张力太强	调整底线张力
	2	挑线弹簧运动量	· 运动量太大	调整弹簧的运动量
	٠	挑线弹簧张力	挑线簧张力太弱	调整挑线簧张力
		线张力	底、血线张力不良	调整底、面线张力
3	 # 邓 丁白	挑线弹簧张力	挑线弹簧张力不良	调整挑线弹簧张力
J	线路不良	压脚	压脚太高	凋整乐脚高度
		压脚压力	压脚压力太小	调整压脚压力
		送布牙高度	送布牙高度太低	调整送布牙高度
4	<i>4</i> となる。エ	压脚压力	压脚压力太小	调整压脚压力
4	线缝零乱	梭芯	梭芯有划痕	打磨光滑或更换
		V型皮带张力	ぐ 皮带张力太小	凋整皮带张力
	+	面线张力	面线张力太强	调整而线张力
	1.00	底线张力	底线张力太强	调整底线张力
5	缝料皱褶	挑线弹簧张力	挑线弹簧张力不良	调整挑线弹簧张力
	-28	挑线弹簧运动量	运动量太大	调整弹簧的运动量
		压脚压力	压脚压力太小	调整压脚压力
8.0		梭芯	拉出底线时,梭芯反转	反向安装梭芯 .
6	底线纠结	梭芯	梭芯转动不流畅	更換梭芯
•		梭芯绕线量	绕线量过多	绕线量不超过80%