



CBZ 532 (H)

**Spare parts
& instruction manual**

Thank you very much for _____ sewing machine. Before use your new machine, please read the safety instructions below and the explanations given in the 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 parts. 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 are provided in order to ensure safe operation of this machine and accidents and injury to yourself or other people.

Indications



CAUTION

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 symbol (r) indicates something that you should be careful. The picture inside the triangle indicates the nature of the caution that must 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

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.
-  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.
-  Any fluctuations in the power supply voltage should be within $\pm 10\%$ of the rated voltage for the machine. Voltage fluctuations which are greater than this may cause problems with correct operation.
-  Avoid exposure to direct sunlight during use. Exposure to direct sunlight may cause problems with correct operation.
-  The power supply capacity should be greater than the requirements for the sewing machine's electrical consumption.
-  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 operation.
-  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.

Installation

-  Machine installation should only be carried out by a qualified technician.
-  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.
-  Contact your JUMBAO dealer or a Qualified electrical work that may need to be done.
-  If using a work table which has casters, the casters should be secured in such a way so that they cannot move.
-  The sewing machine weighs approximately 36KG. The installation should be carried out by two or more people.
-  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 connect the power cord until installation is complete. The machine may operate if the treadle is depressed by mistake, which could result injury.
-  Be sure to wear protective goggles and gloves when handling the lubricating oil and grease, so that they do not get into your eyes or onto your skin. Otherwise inflammation can result. Furthermore, do not drink the oil or eat the grease under any circumstances, as they can cause vomiting and diarrhea. Keep the oil out of children.
-  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.

▲ CAUTION

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 an error occurs in machine, or if abnormal noises or smells are noticed, 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 dealer 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 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.

 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.

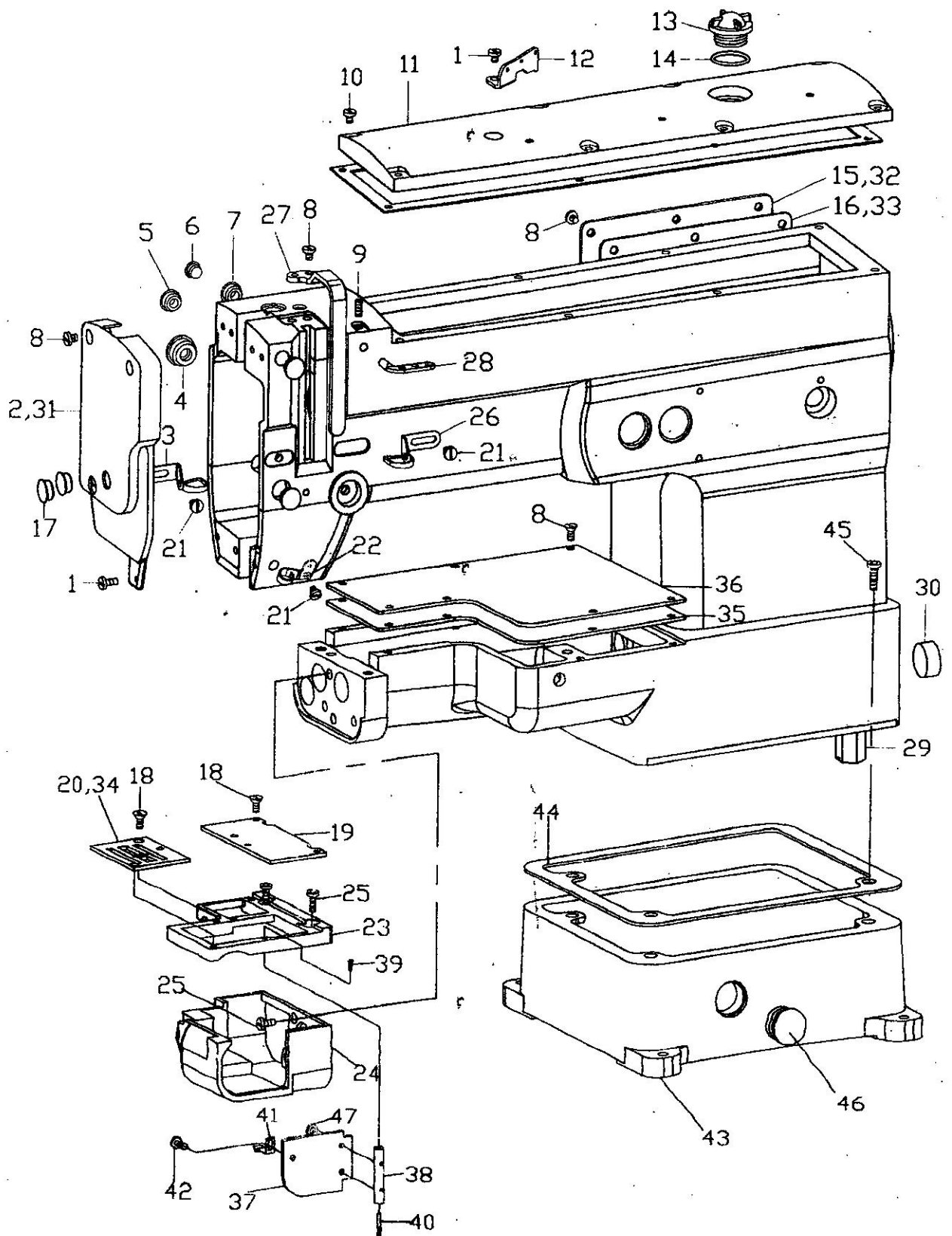
 Be sure to wear protective goggles and gloves when handling the lubricating oil and grease, so that they do not get into your eyes or onto your skin, otherwise inflammation can result.
Furthermore ; do not drink the oil or eat the grease vomiting and diarrhea.

 Use only the proper replacement parts as specified by JUMBAO.

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A. 本体外观/Machine body



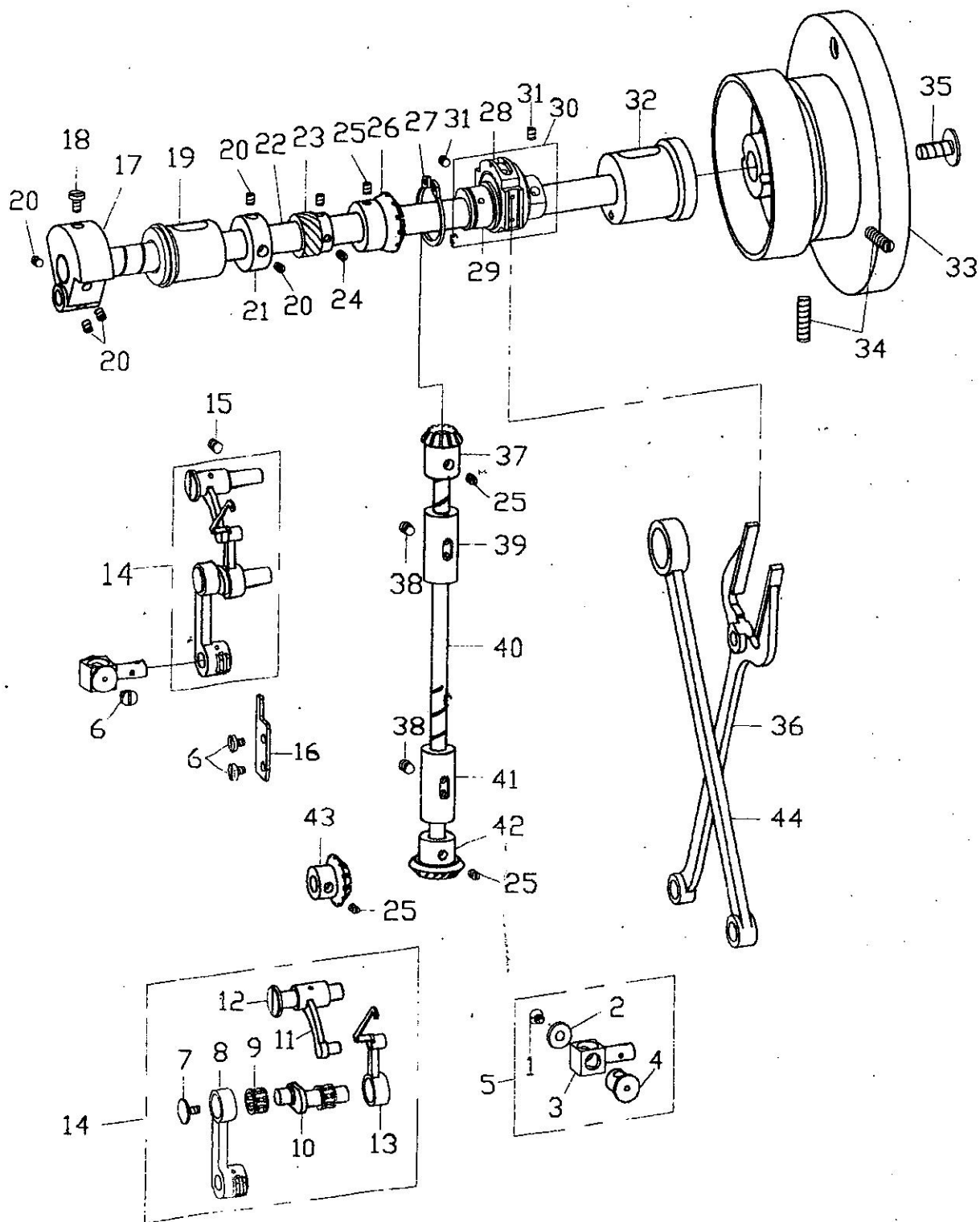
A. ZZ532. ZZ532H Machine body

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注	序	倉 儲 號	名 稱	量	注	序	倉 儲 號	名 稱	量
	0	Y43-D8X6	螺絲11/64-40X5	3		2	1312A-24	梭座	1
0	0	1530A-2	1312面板	1		2	LT-M6X12	M6X1.0X12	3
	0	1530A-3	上座左線勾	1		2	1530A-26	上座右線勾	1
	0	P11.8X5	懸吊軸橡皮塞	2		2	1530A-27	挑線桿防護罩	1
	0	P10.8X4	橡皮塞	1		2	#19	三眼線勾	1
	0	P15.8X6	橡皮塞	2		2	1530A-29	底板支撐桿	3
	0	P8.8X5	橡皮塞	2		3	P24X7	橡皮塞	1
	0	Y43-D7X7	螺絲11/64-40X7	15		3	2530A-31	2312面板	1
	0	Y43-D0X6	螺絲11/64-40X6	1		3	2530A-32	2312後蓋板	1
	1	Y43-D7X9	螺絲11/64-40X9	8	0	3	2530A-33	2312後蓋板油墊	1
	1	1530A-11	頂蓋	1	0	3	2312A-34	2312針板	1
	1	1530A-12	頂蓋線勾	1		3	1312A-35	梭筒上蓋板油墊	1
	1	1530A-13	油窗	1		3	1312A-36	梭筒上蓋板	1
	1	OR1N-18	油窗O型圈	1		3	1312A-37	梭座前蓋板	
0	1	1530A-15	1312後蓋板	1		3	1312A-38	梭座前蓋板柱	
0	1	1530A-16	1312後蓋板油墊	1		3	45C-1-19	SM1/8-40	1
	1	P11X1	懸吊軸橡皮塞	2		4	42A-2	銷釘	1
	1	#255	螺絲9/64-40X7	2		4	244E-69	梭座前蓋板卡簧	1
	1	1312A-19	針板右側板	1		4	Y23-D4X3	SM3/32X56 L-3	
0	2	1312A-20	針板	1		4	1312A-43	油盤	1
	2	Y35-D7X7	螺絲9/64-40X7	3		4	1312A-44	油盤油墊	1
	2	#28S	上座下線勾	1		4	LT-M8X16	M8X1.25X16	3
	2	1312A-23	針板座	1		4	1126A-41	油盤油窗	1

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B. 上轴. 竖轴. 挑线机构/Upper shaft mechanism



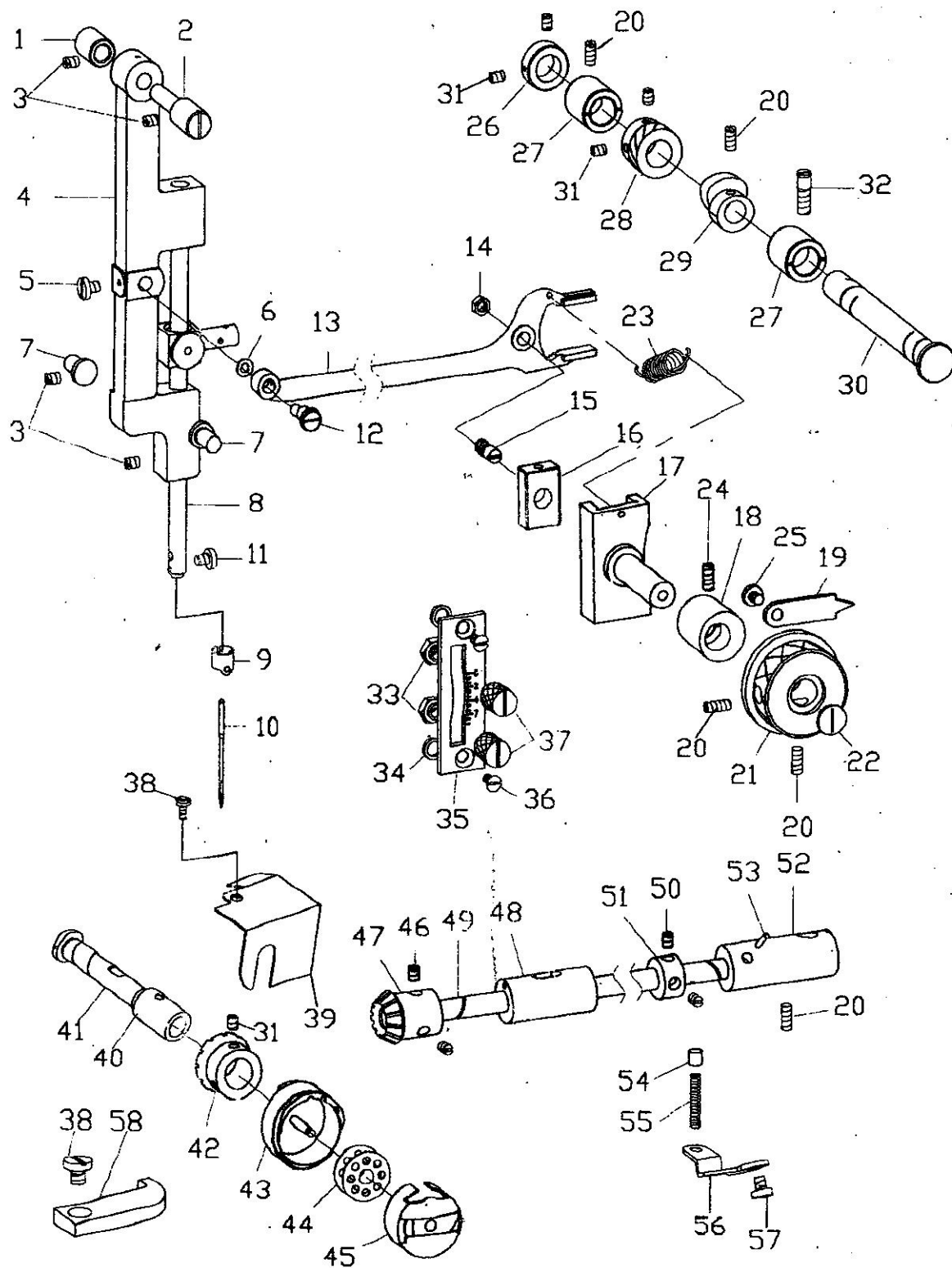
B. ZZ532 ZZ532H Upper shaft mechanism

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注	序	倉 儲 號	名 稱	量	注	序	倉 儲 號	名 稱	量
	0	1530B-1	螺絲11/64-40X3.5	1		#	1530B-23	擺針傳動齒(上)	1
	0	1530B-2	墊片	1		#	Y43-SD0X4	螺絲11/64X4 341C-61	2
	0	1530B-3	針桿接頭組件	1		#	Y63-SD0X6	螺絲1/4-40X6	8
	0	1530B-4	針桿接頭組件	1		#	#116	上軸齒輪	1
	0	1530B-5	針桿接頭組	(1		#	S-26	C型擋環	1
	0	Y43-D8X6	螺絲11/64-40X6	3		#	#129	牙叉滑塊	1
	0	1530B-7	反牙螺絲	1		#	1530B-29	送布偏心輪	1
	0	1530B-8	針桿連桿	1		#	1530B-30	送布偏心輪組	(1
	0	08X12X08	滾針軸承	2		#	Y59-D0X7	螺絲15/64-28X7	1
	1	1530B-10	挑線曲柄	1		#	#133	上軸右套管	1
	1	1530B-11	挑線連桿	1		#	1530B-33	手輪	1
	1	1530B-12	挑線曲柄懸吊軸	1		#	Y59-D0X15	螺絲15/64-28X15	2
	1	1530B-13	挑線桿	1		#	#136	螺絲11/32-28X13	1
	1	1530B-14	挑線桿組	(1		#	1530B-36	送布傳動牙叉	1
	1	Y59-D0X15	螺絲15/64-28X15	1		#	#117	豎軸上齒輪	1
	1	1530B-16	針桿連桿導位塊	1		#	Y59-D0X11	螺絲15/64-28X11	2
	1	1530B-17	針桿曲柄	1		#	#119	豎軸上套管	1
	1	#105	螺絲5/32-28X10	1		#	1530B-40	豎軸	1
	1	#103	上軸左套管	1		#	#120A	豎軸下套管	1
	2	Y63-D0X6	螺絲1/4-40X6	3		#	#124	豎軸下齒輪	1
	2	810-102	上軸擋圈	1		#	#125	下軸右齒輪	1
	2	1530B-22	上軸	1		#	1530B-44	抬牙連桿	1

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C. 摆针. 下轴. 梭轴机构/Lower shaft mechanism



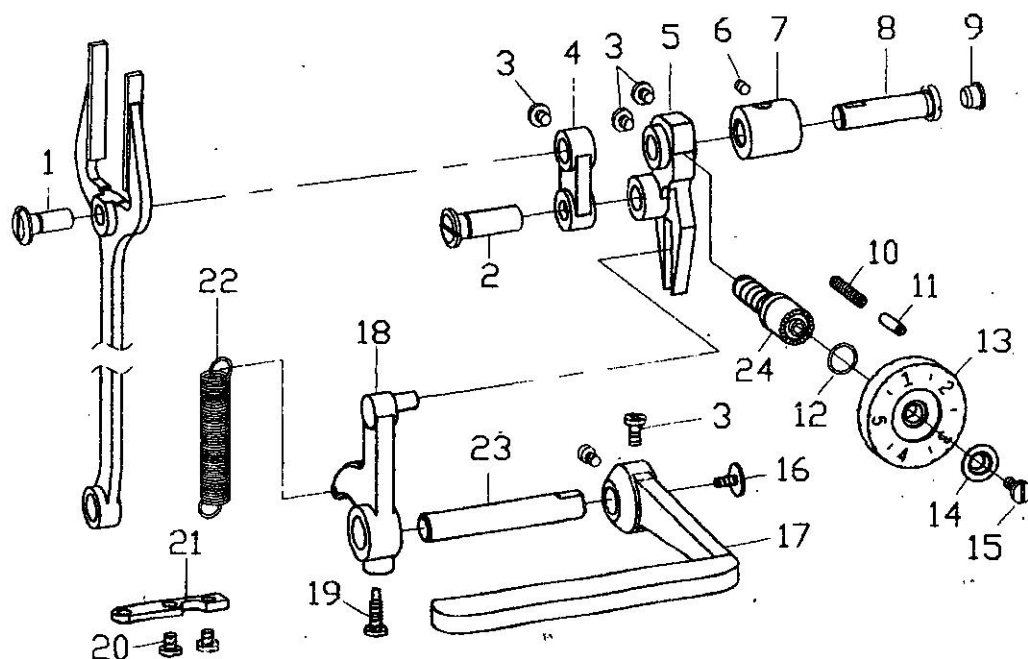
C. ZZ532 ZZ532H Lower shaft mechanism

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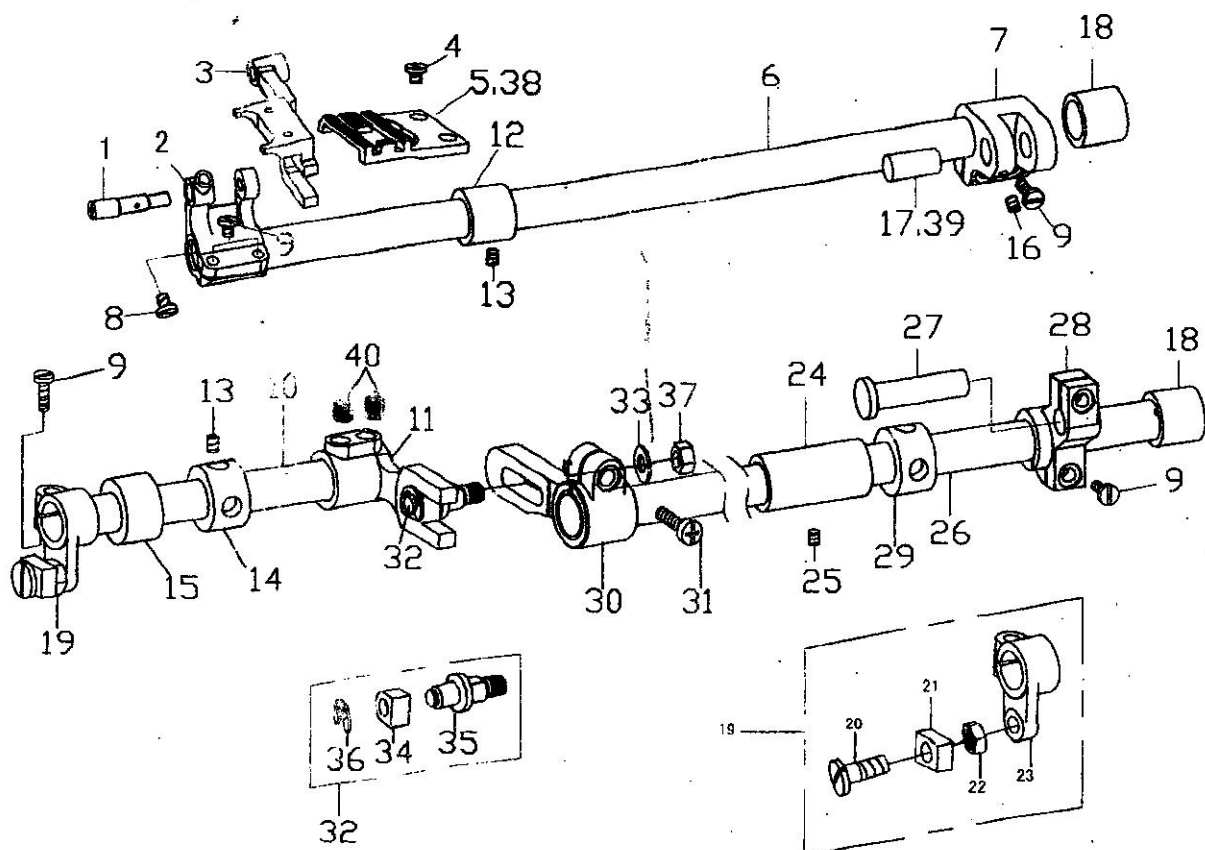
注	序	倉 儲 號	名 稱	量	注	序	倉 儲 號	名 稱	量
	0	1530C-1	擺針架懸吊軸套	1	#	1530C-30	擺針傳動軸		1
	0	1530C-2	擺針架懸吊軸	1	#	Y43-SD0X4	螺絲11/64X4 341C-60		5
	0	LW-M4X4	螺絲M4-0.75X4	4	#	1530C-32	螺絲15/64-28		4
	0	1530C-4	擺針架	1	#	1530C-33	螺母11/64-40X3.5		2
	0	Y43-D8X6	螺絲11/64-40X6	1	#	1530C-34	墊片		2
	0	W5X10X1	墊片W5*10*1	1	#	1530C-35	擺幅指示板		1
	0	1530C-7	擺針架下擋套	2	#	1530C-36	螺絲11/64-40X10		2
	0	1530C-8	針桿	1	#	1530C-37	押花螺絲11/64-40		2
	0	91C-38	針桿過線環	1	#	Y35-D6X6	螺絲9/64-40X6		2
	1	DPX5	車針	1	#	1312C-39	黃油盒		1
	1	Y3144-D4X4.5	螺絲1/8-44X4.5	1	#	1530C-40	梭軸套		1
	1	1530C-12	偏心肖	1	#	1530C-41	梭軸		1
	1	1530C-13	擺針傳動二又	1	#	1530C-63	梭軸齒輪		1
	1	Y7128-LM11X4	螺母9/32-28X4	1	#	1312C-43	旋梭		1
	1	1530C-15	傳動二又滑塊軸	1	#	1312C-44	梭芯		1
	1	1530C-16	傳動二又滑塊	1	#	1312C-45	梭芯套		1
	1	1530C-17	傳動二又滑塊座	1	#	Y63-SD0X6	下軸齒輪螺絲		2
	1	1530C-18S	傳動二又滑塊座套	1	#	1530C-47	下軸齒輪		1
	1	1530C-19	擺幅指針	1	#	#119	下軸左套		1
	2	Y59-D0X7	螺絲15/64-28X7	4	#	1530C-49	下軸		1
	2	1530C-21	擺幅手轉輪	1	#	Y59-D0X5	螺絲15/64-28X5		2
	2	Y4728-D14X8	螺絲3/16-28X8	1	#	#122	下軸擋圈		1
	2	1530C-23	擺針傳動二又拉簧	1	#	1530C-52	下軸右套		1
	2	Y59-D0X11	螺絲15/64-28X11	1	#	1530C-53	下軸右套油管		1
	2	#263	螺絲11/64-40X7	1	#	1530C-54	柱塞		1
	2	1530C-26	擺針傳動軸擋圈	1	#	#160	柱塞彈簧		1
	2	1530C-27	擺針傳動軸套	2	#	1530C-56	擋板		1
	2	1530C-28	擺針傳動齒輪下	1	#	Y59-D8X10	螺絲15/64-28X10		1
	2	1530C-29	擺針傳動偏心輪	1	#	1312C-58	旋梭定位勾		1

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D. 缝目调节机构/Presser foot mechanism



E. 下送布机构/Lower shaft mechanism



D. ZZ532 ZZ532H presser foot mechanism

07.08.18

注	序	倉 儲 號	名 稱	量	注	序	倉 儲 號	名 稱	量
	0	1530D-1	牙叉絞鏈軸	1	#	42D-13	針距標盤		1
	0	#152	針距連桿絞鏈軸	1	#	1530D-14	針距標盤墊片		1
	0	Y59-D8X10	螺絲15/64-28X10	5	#	Y4728-D8X15	螺絲3/16-28X15		5
	0	1530D-4	針距連桿	1	#	Y4728-D14X8	螺絲3/16-28X7		5
	0	1530D-5	針距調節擺桿	1	#	#167	倒縫操縱桿		1
	0	Y59-D0X11	螺絲15/64-28X11	1	#	#906	倒縫操縱曲柄		1
	0	#158S	針距調節擺桿軸套	1	#	#171	螺絲15/64-28X10		5
	0	#159	針距調節擺桿軸	1	#	Y43-D7X7	螺絲11/64-40X7		2
	0	P20X4	橡皮塞	1	#	810-172	復原簧		1
	1	#160	止動肖彈簧	1	#	810-169	倒縫操縱桿軸		1
	1	#162	止動肖	1	#	1530D-24	針距調節螺桿		1
	1	ORIN-14	O型圈	1					

ATTN:01 FOR ZZ532 / 02 FOR ZZ532H

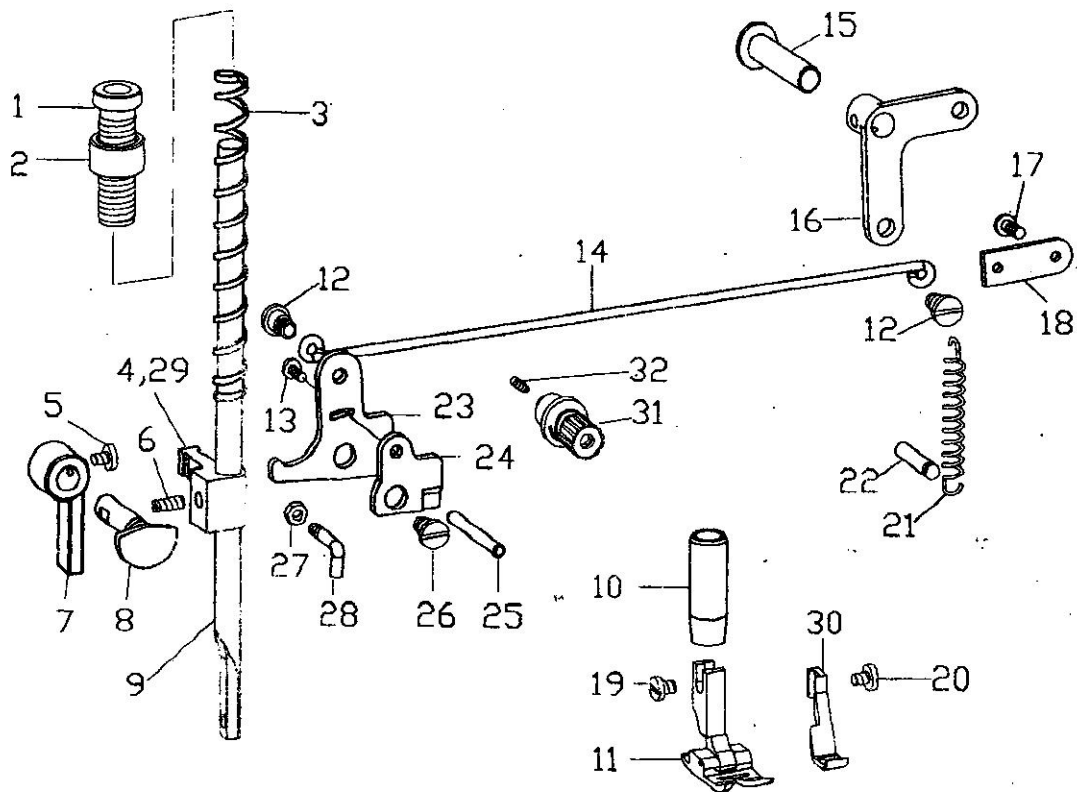
E. ZZ532 ZZ532H Lower shaft mechanism

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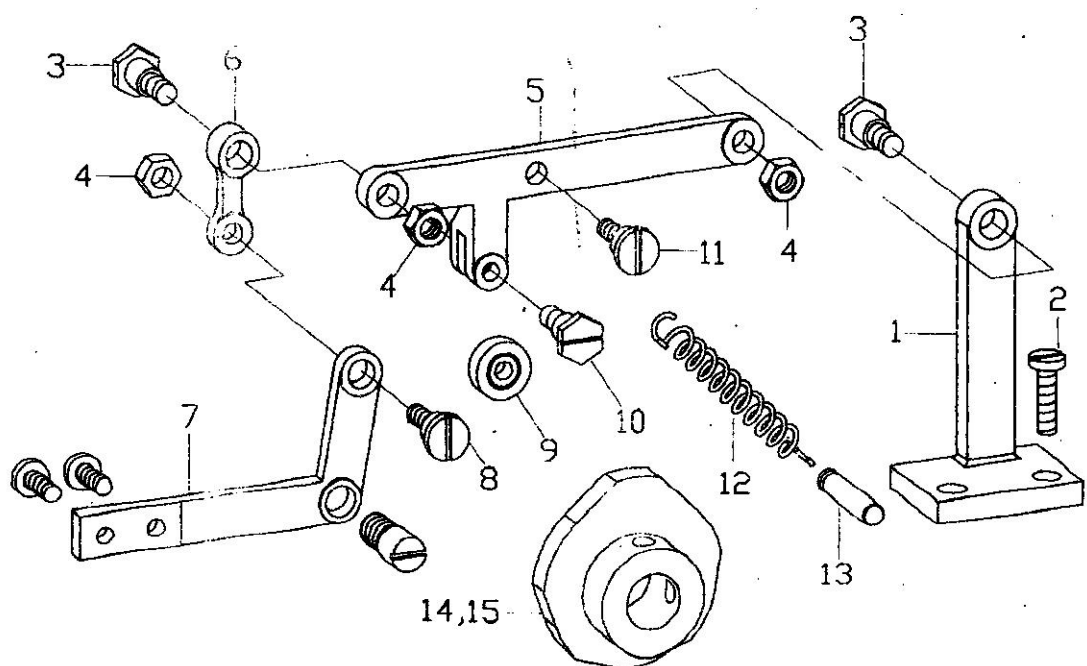
23001 Lower shaft mechanism					07.08.18				
注	序	倉 儲 號	名 稱	量	注	序	倉 儲 號	名 稱	量
	0	1530E-1	牙架偏心軸	1	2	42D-1-3		抬牙叉滑塊	1
	0	1312E-2	牙架曲柄	1	2	Y63-LM10X4		螺母SM1/4X40	1
	0	1312E-3	牙架	1	2	2126C-52		抬牙副軸左曲柄	1
	0	Y3144-D5X6	螺絲1/8-44X6	2	2	1530E-24		抬牙主軸左套	1
0	0	1312E-5	1312送布牙	1	2	Y59-D0X11		螺絲15/64-28X11	1
	0	1312E-6	送布軸	1	2	1312E-26		抬牙主軸	1
	0	#222	送布軸曲柄(右)	1	2	1530E-27		抬牙軸曲柄絞鏈軸	1
	0	Y43-D7X7	螺絲11/64-40X7	1	2	1530E-28		抬牙主軸右曲柄	1
	0	Y43-D8X13	螺絲11/64-40X13	5	2	#211		抬牙主軸擋圈	1
	1	1312E-10	抬牙副軸	1	3	640E-57		抬牙主軸左曲柄	1
	1	1312E-11	抬牙副軸右曲柄	1	3	LT-M6X14		M6X1.0X14	1
	1	1530E-12	送布軸左套	1	3	2530G-28		調節器組	(1
	1	Y59-D0X5	螺絲15/64-28X5	5	3	W6.5X13		W6.5墊片	2
	1	1312E-14	抬牙副軸擋圈	2	3	2530G-30		調節器滑塊	1
	1	1312E-15	抬牙副軸左套		3	2530G-29		調節器軸	1
	1	Y43-D0X6	螺絲SM1/64-40X7	1	3	E-4		扣環	1
0	1	#226	送布軸曲柄絞鏈軸	1	3	Y6324-LM10X4		螺母SM1/4X24X5	1
	1	1530E-18	送布軸右套	2	02	3	2312E-38	2312送布牙	1
	1	1312E-19	抬牙左曲柄組	(1	02	3	2530G-30	送布軸曲柄絞鏈軸	1
	2	1312E-20	抬牙叉滑塊螺栓	1	4	Y63-SD0X6		螺絲SM1/4-40X6	2

ATTN:01 FOR ZZ532 / 02 FOR ZZ532H

F. 抬押机构/Presser foot mechanism



G. 多点摆针机构 / 3 & 4 points mechanism



F. ZZ532 ZZ532H Presser foot mechanism

07.08.18

注	序	倉 儲 號	名 稱	量	注	序	倉 儲 號	名 稱	量
	0	#184	調壓螺套	1	1	Y59-D8X10	螺絲15/64-28X10		2
	0	42C-4	調壓螺套螺母	1	1	1126D-18	鍊條鉤板		1
	0	#187	壓簧	1	1	Y35-D7X7	螺絲9/64-40X7		1
0	0	1530F-4	押桿導位塊	1	2	LT-M4X10	螺絲M4-0.75X10		1
	0	Y43-D7X7	螺絲11/64-40X7	1	2	1530F-21	復原拉簧		1
	0	Y59-D0X7	螺絲15/64-28X7	5	2	1530F-22	拉簧肖		1
	0	1530F-7	抬桿扳手	1	2	1530F-23	膝控起押提昇塊左		1
	0	1530F-8	起押偏心器	1	2	1530F-24	夾線鬆線片		1
	0	1530F-9	押桿	1	2	1530F-25	夾線鬆線桿		1
	1	#202	押桿下套	1	2	1530F-26S	螺絲15/64-28X7.5		1
0	1	1530F-11	押腳	1	2	Y35-LM6X3	螺母9/64-40X3		1
	1	1530F-12	3/16-28X8.5 341F-25	2	2	1530F-28	沙拉適線		1
	1	Y43-D9X7	螺絲11/64-40X6.5	1	02	2	2530F-29	2312押桿導位塊	1
	1	1530F-14	膝控起押引桿	1	02	3	2530F-30	2312內押腳	1
	1	1126D-15	膝控起押提昇塊軸	1	3	1530A-24	夾線組		1
	1	1126D-16	膝控起押提昇塊右	1	3	Y59-D0X7	螺絲15/64-28X7		3

ATTN:01 FOR ZZ532 / 02 FOR ZZ532H

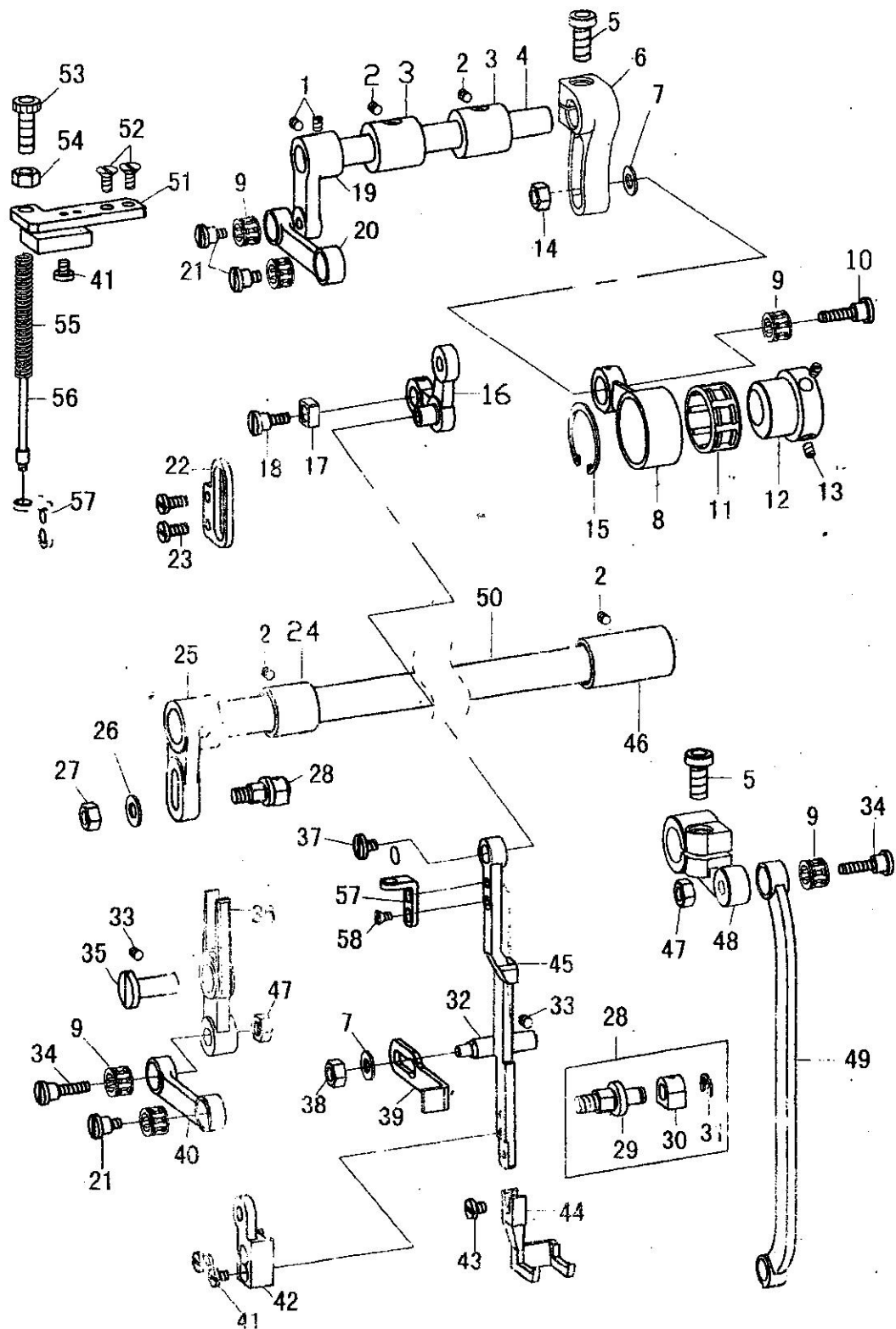
G. 3 & 4 points mechanism

07.08.18

注	序	倉 儲 號	名 稱	量	注	序	倉 儲 號	名 稱	量
	0	1534H-1	導輪桿座	1	0	6247Z	滾珠軸承		1
	0	LT-M6X12	M6-1.0X12	2	1	91C-9	段螺絲M4-0.75X6		1
	0	1534H-5	段螺絲SM3/16-32	2	1	#188-1	段螺絲SM3/16-28		1
	0	Y4732-LM8X4	螺母SM3/16-32	3	1	1530D-21	拉簧		1
	0	1534H-2	導心桿	1	1	1530F-22	拉簧銷		1
	0	1534H-13	活動連結桿	1	03	1	1533H-11	擺針傳動偏心輪	1
	0	1534H-3	擺針連桿	1	04	1	1534H-12	擺針傳動偏心輪	1
	0	#267	段螺絲SM3/16-32	1					

ATTN:"03" for ZZ533 / "04" FOR ZZ534

H. 上送布机构/Feed mechanism



H. Feed mechanism

07.08.18

注	序	倉 儲 號	名 稱	量	注	序	倉 儲 號	名 稱	量
	0	LW-M5X6	螺絲M5X6	2	3	2530G-30	調節器滑塊		1
	0	Y43-D0X6	螺絲11/64-40X6	4	3	E-4	E4扣環		1
	0	2530G-3	押腳提昇軸套	2	3	2530G-32	外押腳板壓板軸		1
	0	2530G-4	押腳提昇軸	1	3	Y59-D0X7	螺絲15/64-28X7		2
	0	LT-M6X20	螺絲M6X20	2	3	2530G-34	螺絲1/4-40X16		2
	0	2530G-6	押腳提昇調節曲柄	1	3	2530G-35	送料變動曲柄導柱		1
	0	W6X12	W6墊片	2	3	640E-63	外押送料變動曲柄		1
	0	2530G-8	偏心輪連桿	1	3	Y4728-D12X7	3/16-28X7		1
	0	8X12X8	滾針軸承	6	3	Y59-LM9X3	螺母15/64-28X3		1
	1	2530G-10	螺絲M5	1	3	2530G-39	外押腳板壓板		1
	1	24X28X13	滾針軸承	1	4	2530G-40	外押送料連桿		1
	1	2530G-12	提押偏心輪	1	4	Y35-D6X6	螺絲9/64-40X6		2
	1	Y63-D0X6	螺絲1/4-40X6	2	4	2530G-42	外押送料連桿座		1
	1	W6-LM10X4	螺母M5	1	4	Y55-D7X7	螺絲9/64-40X8		1
	1	R-24	R24扣環	1	4	2530G-44	外押腳		1
	1	2530G-16	外押板懸吊座	1	4	2530G-45	外押腳板		1
	1	2530G-17	滑塊	1	4	640E-46	外邊輪右套		1
	1	2530G-18	螺絲3/16-28X7	1	4	Y63-LM10X5	螺母1/4-40X5		2
	1	2530G-19	外押提昇曲柄	1	4	2530G-48	外押擺動曲柄右		1
	2	2530G-20	外押提昇連桿	1	4	2530G-49	外押擺動曲柄連桿		1
	2	2530G-21	螺絲1/4-40X6	3	5	640E-43	外邊軸		1
	2	2530G-22	外押送料導位板	1	5	2530G-61	外押上座		1
	2	Y43-D7X7	螺絲11/64-40X7	2	5	#263	螺絲1/64-40X7		2
	2	2530G-24	外押板左套	1	5	2530G-53	外押調節螺絲		1
	2	640E-57	外押送料連桿左	1	5	77128-LM11X4	螺母9/32-28		1
	2	W6.5X13	W6.5墊片	1	5	2530G-55	外押板		1
	2	Y6324-	螺絲1/4-24X5	1	5	2530G-56	外押支軸		1
	2	2530G-28	外押送料調節器	1	5	2530G-62	外押蓋座		1
	2	2530G-29	調節器軸	1	5	#255	螺絲9/64-40X7		2

I. 1312. 2312供油系統.

07.08.18編

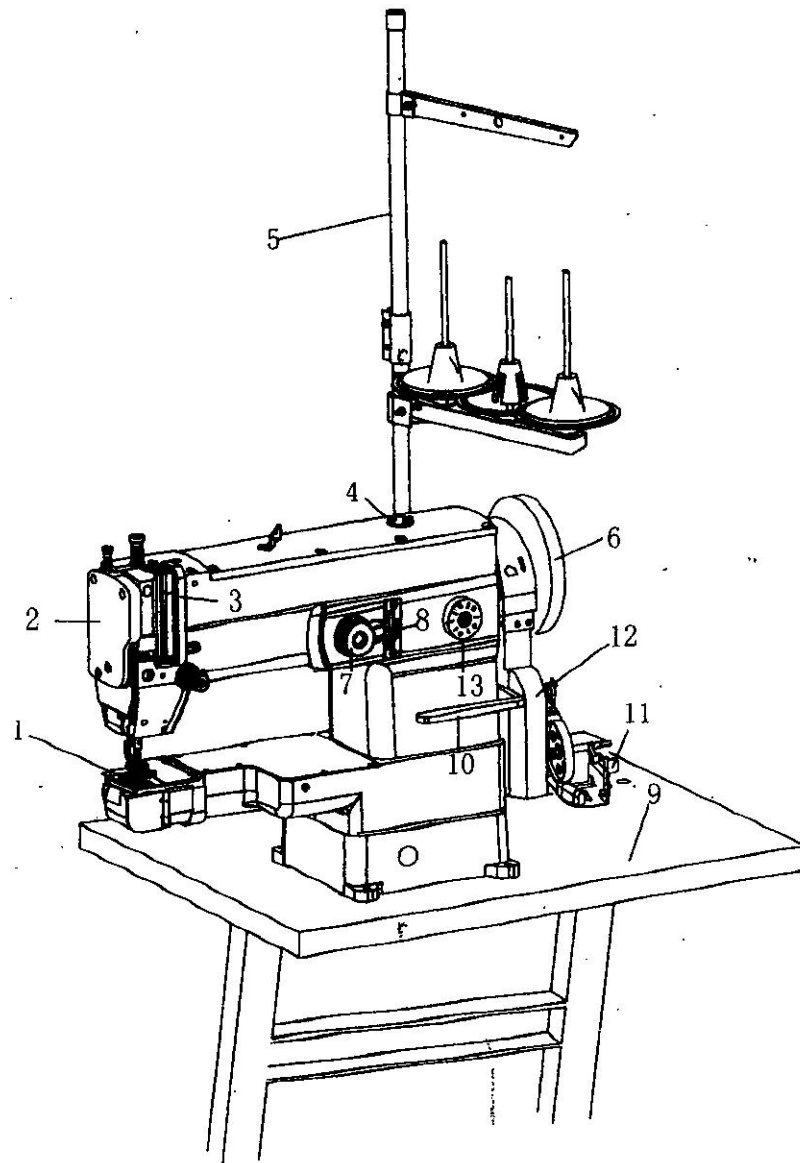
注	序	倉 儲 號	名	稱	量	注	序	倉 儲 號	名	稱	量
	0	1530J-1	油泵組		1		0	Y43-D7X7	11/64-40X7		1
	0	1530J-2	11/32-28X5		1		0	1530J-7	鋁油管		1
	0	1530J-3	11/32-28X5		3		0	1530J-8	塑料油管		1
	0	Y43-D8X13	11/64-40X13		1		0		油棉		1
	0	1530J-5	油管壓簧		1		1	1530J-100	油棉壓簧		1

J. 1312. 2312附件

07.08.18編

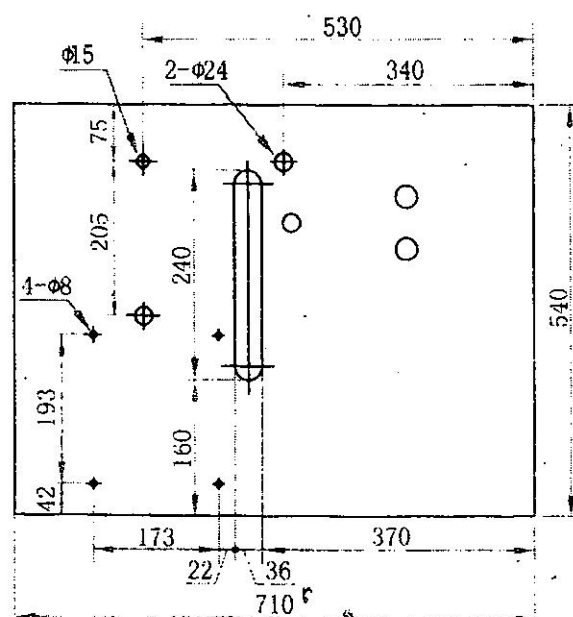
注	序	倉 儲 號	名	量	注	序	倉 儲 號	名	量
	0	1530K-1	油桶	1		#	1530K	DPX5機針	4
	0	1530K-2	梭芯	3		#	1531K	自攻螺絲	4
	0	1530K-3	注油壺	1		#	1532K	螺母	1
	0	1530K-4	繞線器	1		#		鏈條	1
	0	1530K-5	二線架	1		#		S鉤	2
	0	1530K-6	2MM六角扳手	1		#	M6X1.0	車頭固定螺絲	4
	0	1530K-7	5MM六角扳手	1		#	M6X1.0	車頭固定螺母	4
	0	1530K-8	大起子	1		#	W6X12	墊片	4
	0	1530K-9	中起子	1		#	1530K-11	皮帶罩螺絲	7
	#	1530K-10	小起子	1		#	1530K-12	皮帶罩組	1

一. 各部件名称 <NAMES OF MAJOR PARTS>



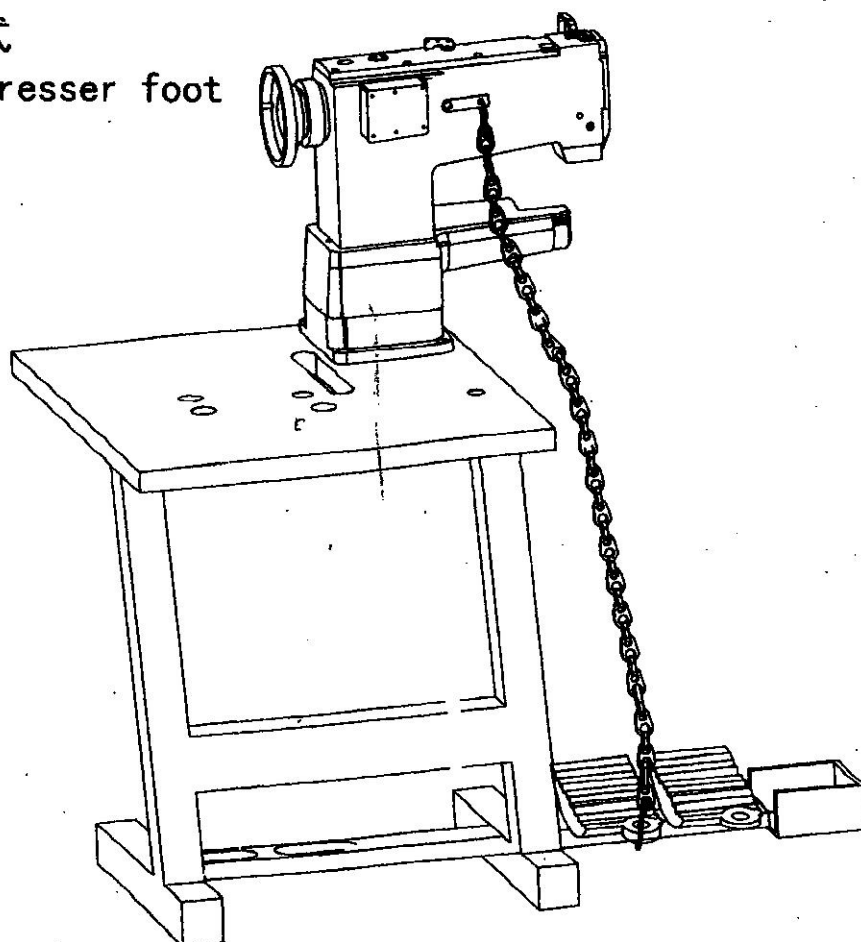
- | | |
|--|--------------------------------|
| 1. 针板<Needle Plate> | 10. 倒缝把手<Reverse Lever> |
| 2. 面板<Face Plate> | 11. 绕线器 <Bobbin Winder Assy> |
| 3. 挑线杆防护罩
<THRED TAKE-UP LEVER COVER> | 12. 皮带罩 <Belt covr> |
| 4. 油窗<Oil Window> | 13. 针距标盘 <Feed Adjusting Dial> |
| 5. 线架<Cottonstand Assy> | |
| 6. 手轮<Pully> | |
| 7. 摆幅手转轮<Hand Trun Wheel> | |
| 8. 摆幅指示板<Indicating Board> | |
| 9. 台板<Rubber Hinge Assy> | |

台板规格 Working Table



脚链安装方式

Under the presser foot



二、缝纫机规格<MACHINE SPECIFICATIONS>

Item \ Model	TC-1312/TC-1313/TC-1314	TC-2312/TC-2313/TC-2314
Speed 速度	1600spm	1600spm
Zigzag width 摆幅	2points/3points/4points	2points/3points/4points
Needle size 机针	DPx17	DPx17
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 rising rate 压脚上升量	7mm	7mm
Shuttle 旋梭	Rotary Hook(DB TYPE) 卧式旋梭	Rotary Hook(DB TYPE) 卧式旋梭
Usage 用途	Light-weight materials 薄料	Medium-weight materials 中料

三. 安装<INSTALLATION>

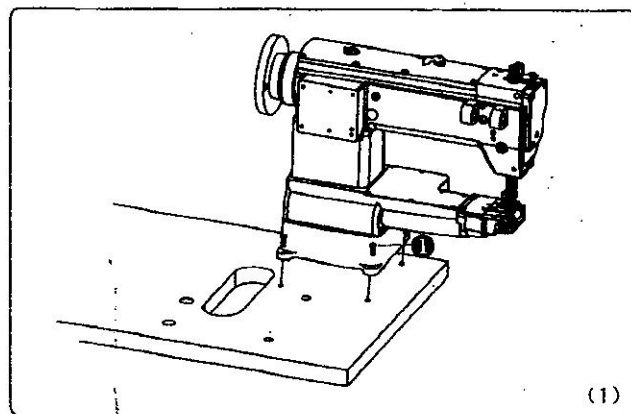
缝纫机机身<Sewing machine body>

As figure (1) shown:

Apply screw ① to mount sewing machine body and plate.

如图 (1) 所示:

用螺钉 ① 将缝纫机机身与台板固定好。



As figure (2) shown:

Apply screw ② to tighten belt cover U ①

to machine cover. Apply screw ④ to tighten belt cover C ③ and cover U ①.

Apply screw ⑥ to tighten belt cover D ⑤ on the table.

如图 (2) 所示:

U型皮带罩

用螺钉 ② 紧U型皮带罩 ① 装入机壳。

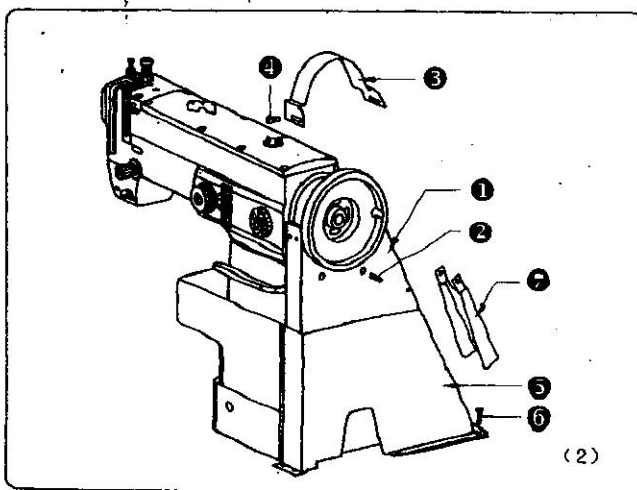
C型皮带罩

用螺钉 ④ 紧C型皮带罩 ③ 装入U型皮带罩 ① 机壳。

D型皮带罩

用螺钉 ⑥ 紧D型皮带罩 ⑤ 装壳。

将D型皮带罩 ⑤ 装入U型皮带罩 ①。



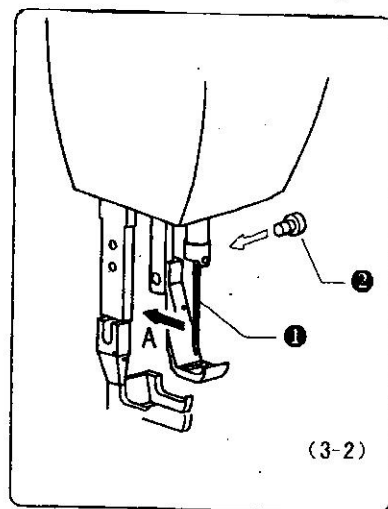
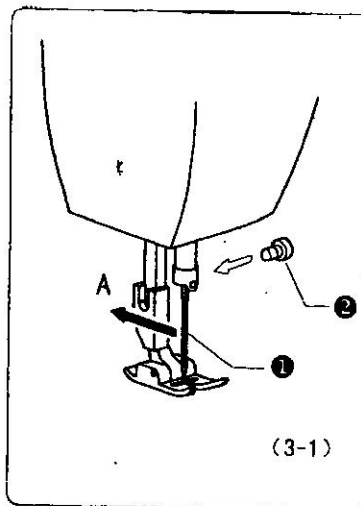
K. Adjustment / 缝纫机的调整

Installing the needle

As figure (3-1) (3-2) shown:

Rotate handwheel to make needle bar rise to the maximum high, loosen tighten screw ② plug needle ① to the top needle's groove side face to A then fasten screw ②.

如图(3-1) (3-2) 所示。将手轮使针杆上升到最高位置。松开紧固螺钉②。将针①插到顶针的凹槽侧面A处。然后拧紧螺钉②。



As figure (7) shown:

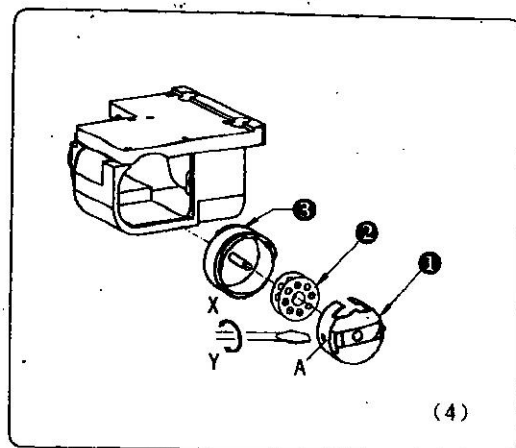
<1> Open the case cover, then take out the bobbin case ①. Install bobbin ② into bobbin case ①, open the case cover, snap bobbin case ① into shuttle ③ then assemble together.

<2> Turn tension adjustment screw (A) clockwise Y to increase the bobbin thread tension, 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 ①。将梭芯 ② 装入梭壳 ① 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方向张力变大。

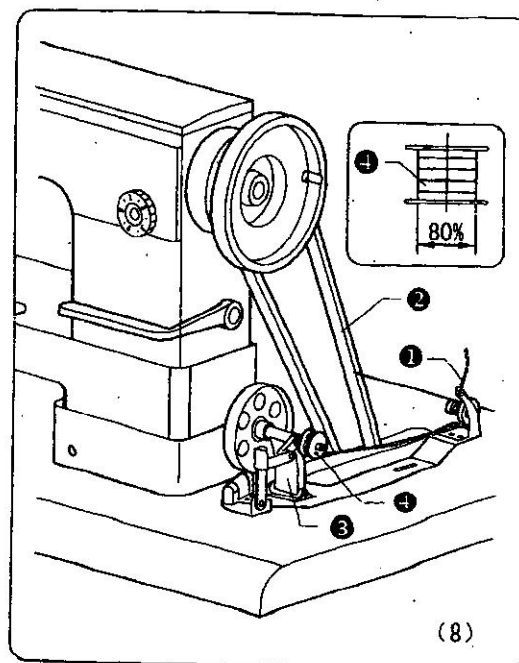


As figure (8) show: connect lower thread ① move handle of the winding shaft ② to snap the wheel to belt ③ and rotate it 80% of the winding amount in bobbin ④ will be best.

绕底线

如图 ⑧ 所示连接好之后, 移动绕线轴 ③ 的把手使轮盘落到皮带 ② 上, 并随之转动。

绕线 ④ 上的线量为 80% 最为合适。



As figure (9) shown:

<1> Threading the upper thread

Insert the upper thread ① as figure shown.

<2> Face line tension adjustment

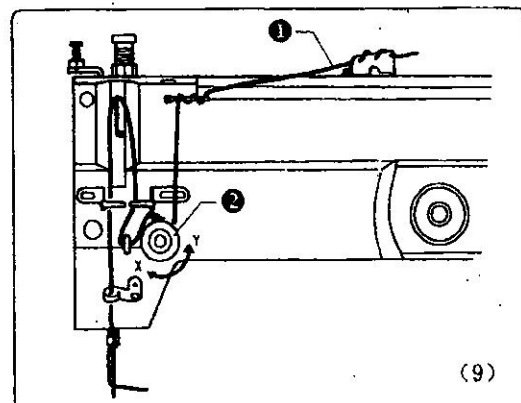
Rotate clipper ②, the upperline tension in direction X increase and Y direction decrease.

穿面线及调整

如图 (9) 所示

<1> 穿面线, 面线 ① 按照图所示穿线。

<2> 面线的调整, 转动夹线器 ②, 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 ③, the inner pressure in C direction increase D direction decrease after adjustment fix the nut ④.

压脚压力调整

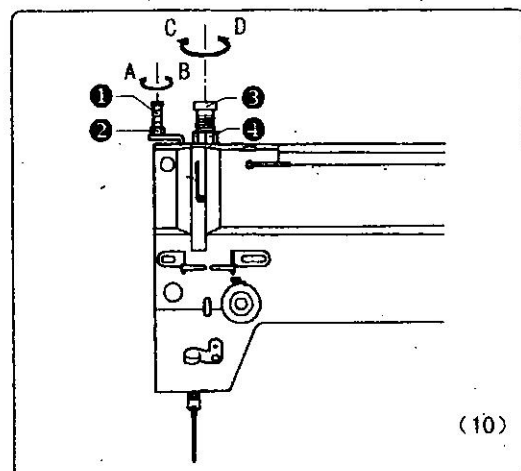
如图 (10) 所示

外压脚压力调整

旋转螺丝 ①, A 方向外压脚压力变大, B 方向压力变小, 调整后必须锁好螺母 ②。

内压脚压力调整

旋转螺丝 ③, C 方向内压脚压力变大, D 方向压力变小, 调整后必须锁好螺母 ④。

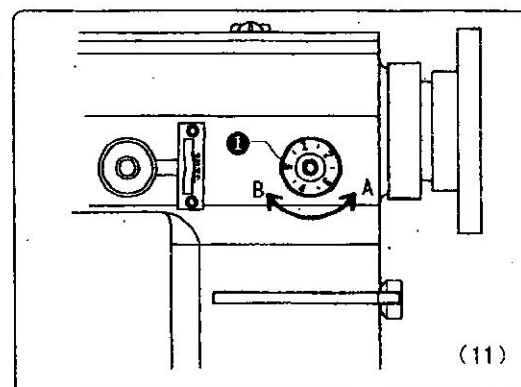


As figure (11) shown:

Rotate the stitch length dial assy ① 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 ① 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

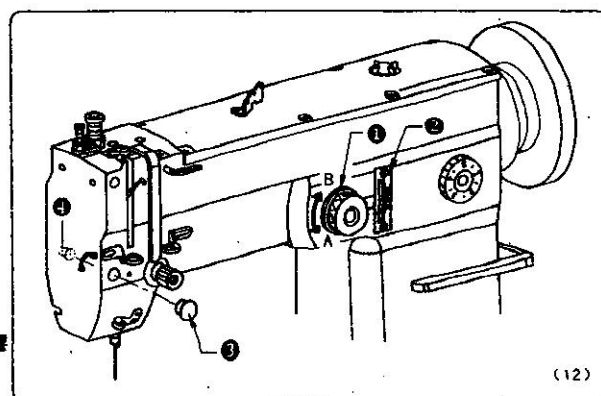
The swing indicator ② indicate the span number in mm rotate the swing handwheel ①, to adjust the swing span in A direction decrease and B direction increase.

Micro adjustment

Open the rubber cork ③ apply screwdriver to rotate eccentric bar ④ to adjust the swing span.

摆幅调整

如图 (13) 所示, 摆幅指示表 ② 上表示的是摆幅 mm 的数值, 转动摆幅手轮 ①, 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
1	Breaking needle	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	Mismatch of needle bar movement feed dog travel	Adjust travel of needle and shuttle
		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
		Main distance between needle and shuttle	Wrong traveled needle and shuttle	Correct threading
2	Breaking thread	Ways of threading	Improper threading	Correct threading
		needle	Bent needle or broken needle tip	Change needle
		Direction and height of needle	Upper needle problem	Correct upper needle
		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
3	Wire problem	Thread take-up spring tension	Thread take-up spring tension too weak	Adjust thread take-up spring tension
		Thread tension	Shuttle upper thread tension problem	Adjust shuttle and upper thread tension
		Presser foot	Presser foot too high	Adjust presser foot height
		Presser foot pressure	Presser foot pressure too small	Adjust presser foot pressure
4	Wrinkly of fabric	Feed dog height	Feed dog height too low	Adjust feed dog height
		Presser foot pressure	Presser foot pressure too small	Adjust presser foot pressure
		bobbin	Scratch bobbin	Polish or change
		V belt tension	Belt tension too small	Adjust belt tension
5	Tangled thread	Upper thread tension	Upper thread tension too strong	Adjust upper thread tension
		Lower upper thread tension	Lower thread tension too strong	Adjust lower and upper thread tension
		Thread take-up spring tension	Thread take-up spring tension too problem	Adjust thread take-up spring tension
		Thread take-up spring rate	Rate too big	Adjust thread take-up spring rate
		Presser foot pressure	Presser foot pressure too small	Adjust presser foot pressure
6	Tangled thread	bobbin	When pulling lower thread bobbin reverse	Reverse bobbin
		bobbin	Bobbin does not rotate smoothly	Change bobbin
		Bobbin 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
1	断针	针的方向、高度	上针方向不对	正确方向上到最上
		针	弯针	换针
		送布牙行程	针杆运行与送布行程不对	调整送布牙行程
		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
2	断线	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
		针的方向、高度	上针位置不良	正确方向上针
		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
		挑线弹簧运动量	运动量太大	调整弹簧的运动量
		挑线弹簧张力	挑线簧张力太弱	调整挑线簧张力
3	线路不良	线张力	底、面线张力不良	调整底、面线张力
		挑线弹簧张力	挑线簧张力不良	调整挑线簧张力
		压脚	压脚太高	调整压脚高度
		压脚压力	压脚压力太小	调整压脚压力
4	线缝零乱	送布牙高度	送布牙高度太低	调整送布牙高度
		压脚压力	压脚压力太小	调整压脚压力
		梭芯	梭芯有划痕	打磨光滑或更换
		V型皮带张力	皮带张力太小	调整皮带张力
5	缝料皱褶	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
		挑线弹簧张力	挑线簧张力不良	调整挑线簧张力
		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
6	底线纠结	梭芯	拉出底线时, 梭芯反转	反向安装梭芯
		梭芯	梭芯转动不流畅	更换梭芯
		梭芯绕线量	绕线量过多	绕线量不超过80%