GLOBAL

LPZ 9912 / 9912-H

Instruction & parts manual

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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 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

⚠ 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 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

⚠ 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 operation.

Installation

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

Contact your 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.

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

If the machine develops a problem, contact your nearest 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 depresses by mistake, which could result injury.

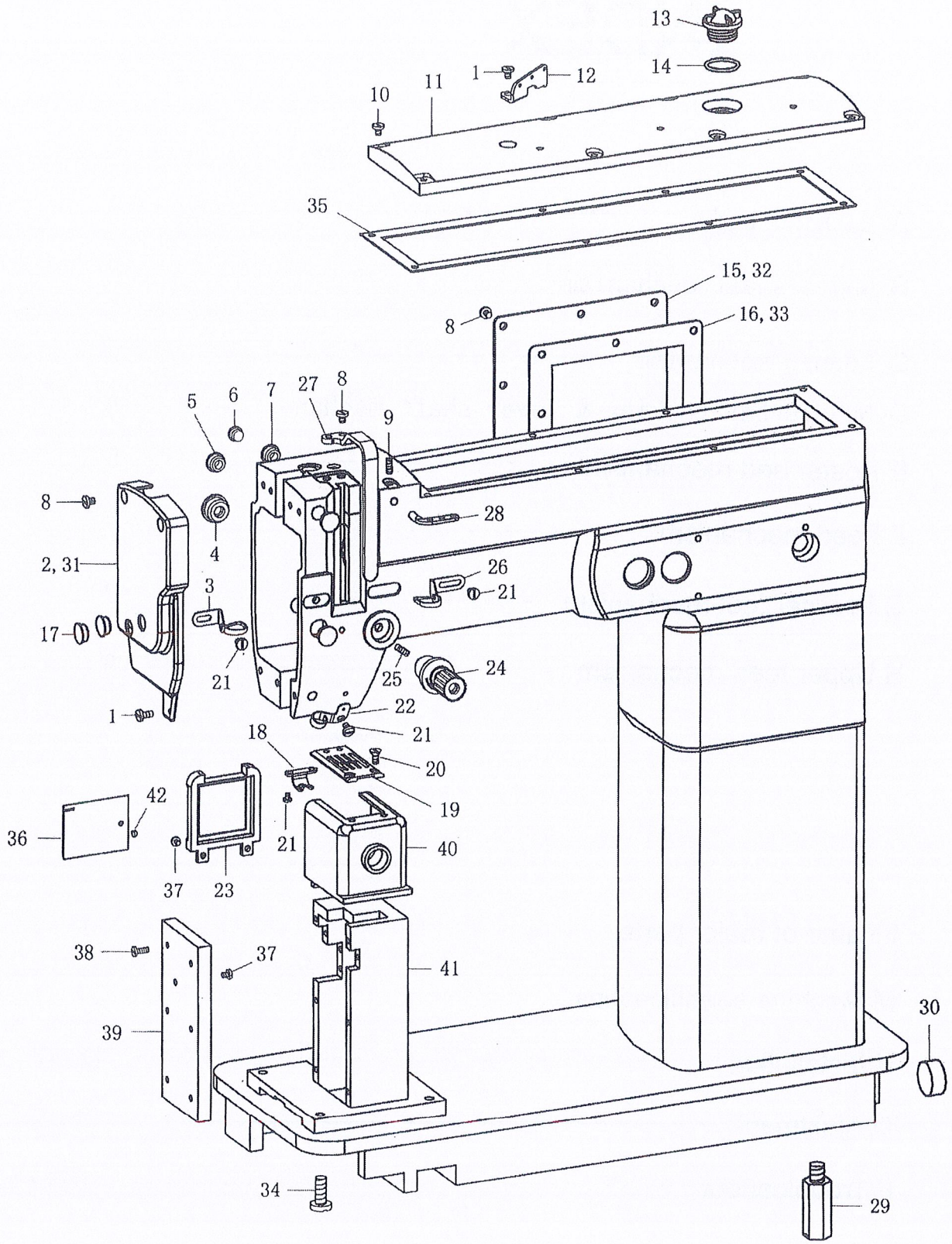
Use both hand to hold the machine head when tilting it back or returning it to its original position. If only one hand is used, the weight of the machine head may cause your hand to slip, and your hand may get caught.

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

INDEX

A.Machine body

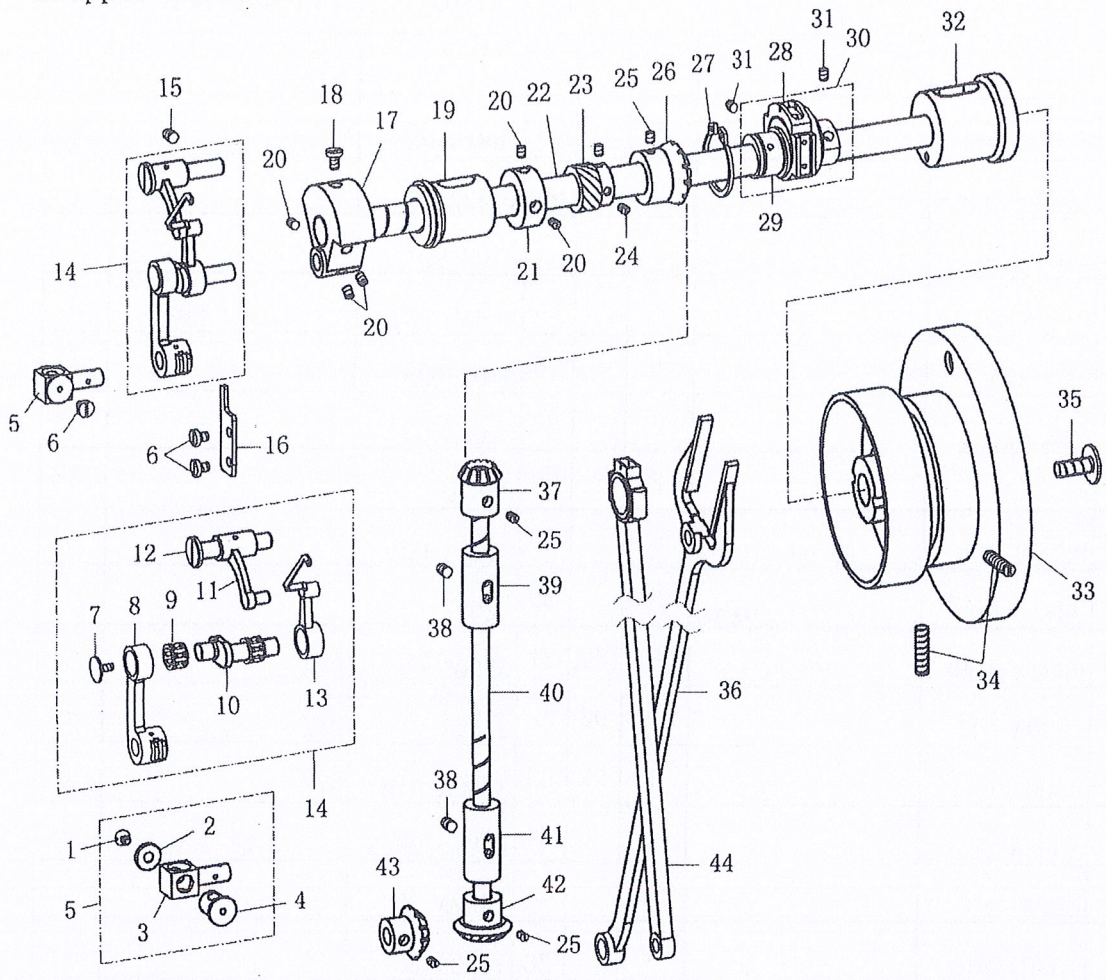


A. Machine body

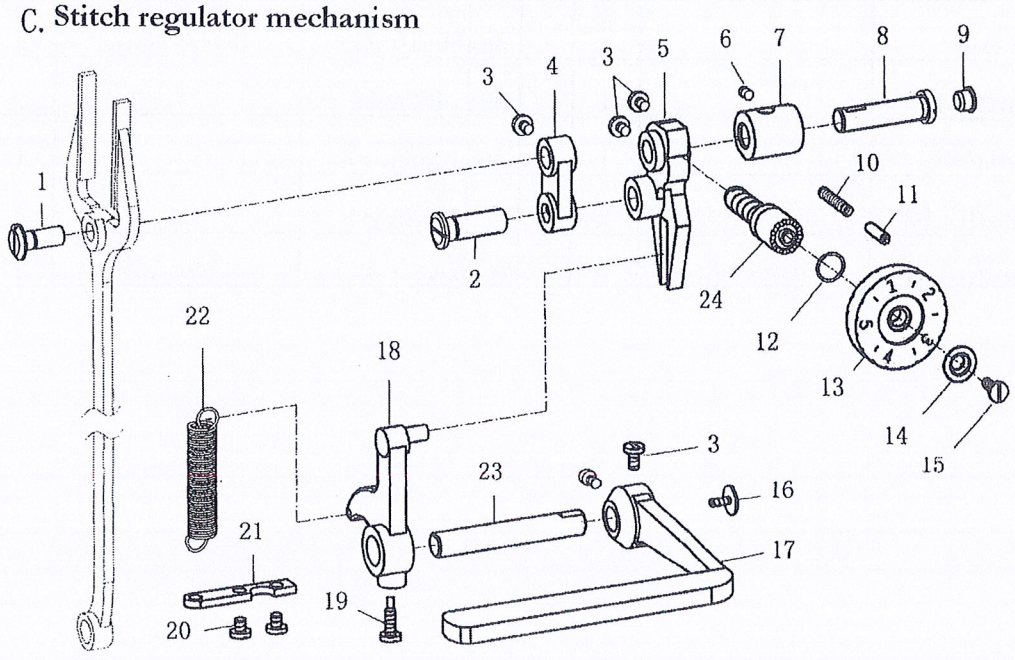
(1 = LP 9912 2 = LP 9912 H)

	01	PB810-006	/64-40x5	3		22	PB810-028		1
01	02	1530A-002		1		23	1452A-23		1
	03	3702-029		1		24	3702-901		1
	04	P11.8x5		2		25	PB810-027	15/64-28x7	3
	05	P10.8x4		1		26	3702-005		1
	06	P15.8x6		2		27	3700A-027		1
	07	P8.8x5		2		28	PB810-019		1
	08	PB810-109	11/64-40x7	8		29	3700A-029		3
	09	PB810-008	11/64-40x6	8		30	P20x7		1
	10	PB810-109L	11/64-40x9	8	02	31	3700A-002	DYZ	1
	11	1530A-011		1	02	32	3700A-015	DYZ	1
	12	3300A-035		1	02	33	3700A-016	DYZ	1
	13	1530A-013		1		34	PB810-261S	M6-1.0x20	4
	14	ORIN-18		1		35	1452A-35		1
01	15	1530A-015		1		36	1452A-36		1
01	16	1530A-016		1		37	PB810-21	9/64-40x6	3
	17	P11x4		2		38	PB810-21	9/64-40x7	6
	18	1452A-18		1		39	1452A-39		1
	19	1452A-19		1		40	1452A-40		1
	20	PB810-263	11/64-40x7	2		41	1452A-41		1
	21	PB810-021	9/64-40x7	3		42	45C-1-8-12	3/32-56x3	1

B. Upper shaft mechanism



C. Stitch regulator mechanism



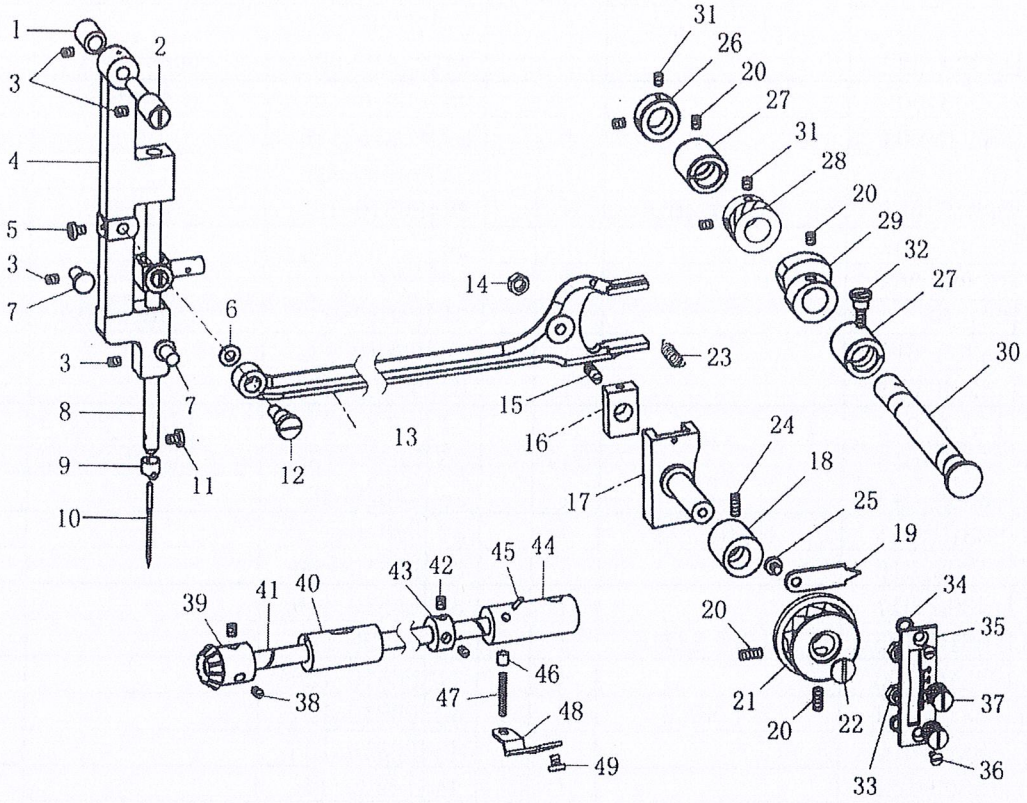
B. Upper shaft mechanism (1 = LP 9912 2 = LP 9912 H)

	01	1530B-001	11/64-40x3.5	1		23	1530B-023		1
	02	1530B-002		1		24	0341C-060	11/64-40x4	2
	03	1530B-003		1		25	PB810-101S	1/4-40x6	8
	04	1530B-004		1		26	PB810-116		1
	05	1530B-005		(1)		27	PB810-S26		1
	06	PB810-006	11/64-40x6	3		28	PB810-129		1
	07	1530B-007		1		29	3704-904B		1
	08	1530B-008		1		30	3704-904		(1)
	09	081208		2		31	PB810-027	15/64-28x7	1
	10	1530B-010		1		32	PB810-133		1
	11	1530B-011		1		33	3300B-069		1
	12	1530B-012		1		34	842E-020	15/64-28x15	2
	13	1530B-013		(1)		35	PB810-136	11/32-28x13	1
	14	1530B-014		1		36	1452B-36		1
	15	PB810-091	15/64-28x15	1		37	PB810-117		1
	16	1530B-016		1		38	PB810-099		2
	17	1530B-017		1		39	PB810-119		1
	18	PB810-105	9/32-28x10	1		40	1452B-40		1
	19	PB810-103		1		41	PB810-120A		1
	20	PB810-101	1/4-40x6	3		42	PB810-124		1
	21	PB810-102		1		43	PB810-125		1
	22	1530B-022		1		44	1452B-44		1

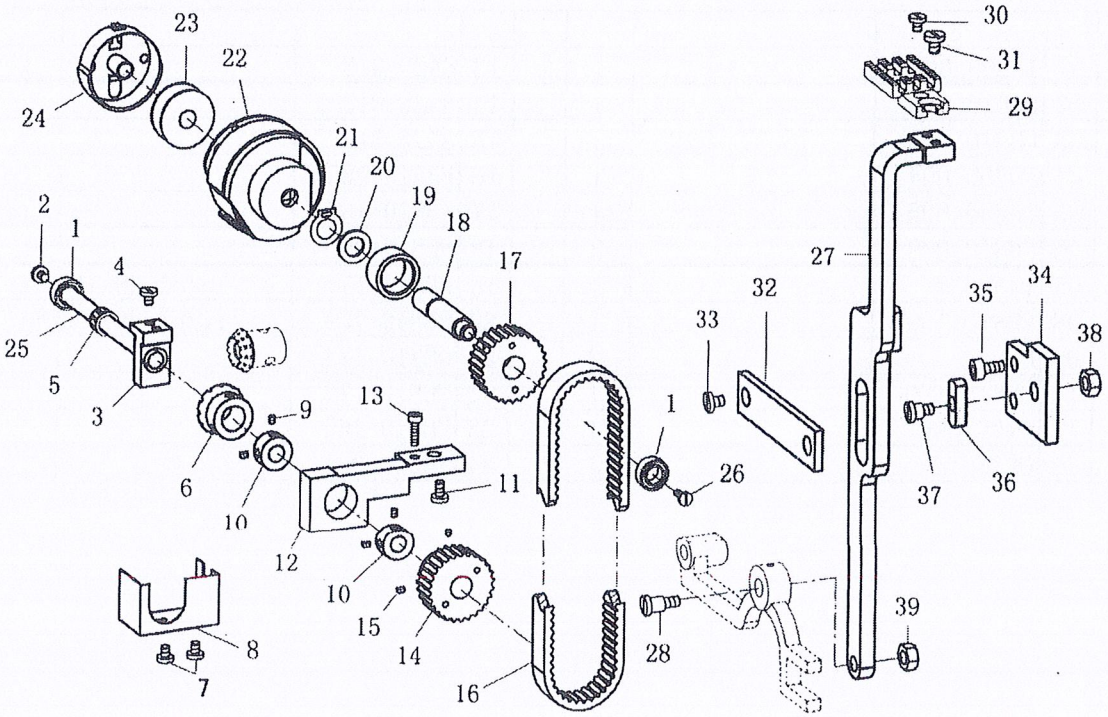
C. Stitch regulator mechanism (1 = LP 9912 2 = LP 9912 H)

	01	1530D-001		1		13	842D-013		1
	02	PB810-152		1		14	842D-013-4		2
	03	PB810-168	15/64-28x9	1		15	842D-013-5		8
	04	1530D-004		1		16	PB810-165		1
	05	1530D-005		(1)		17	PB810-167		1
	06	PB810-099		3		18	PB810-906		1
	07	1452C-7		1		19	PB810-171	15/64-28x10	1
	08	PB810-159		1		20	PB810-109	11/64-40x7	(1)
	09	P20x4		2		21	PB810-174		1
	10	PB810-160		1		22	PB810-172		1
	11	3706-096		1		23	PB810-169		1
	12	ORIN-14		1		24	1530D-001		2

D. Needle bar rocking & lower shaft mechanism



E. Feed mechanism



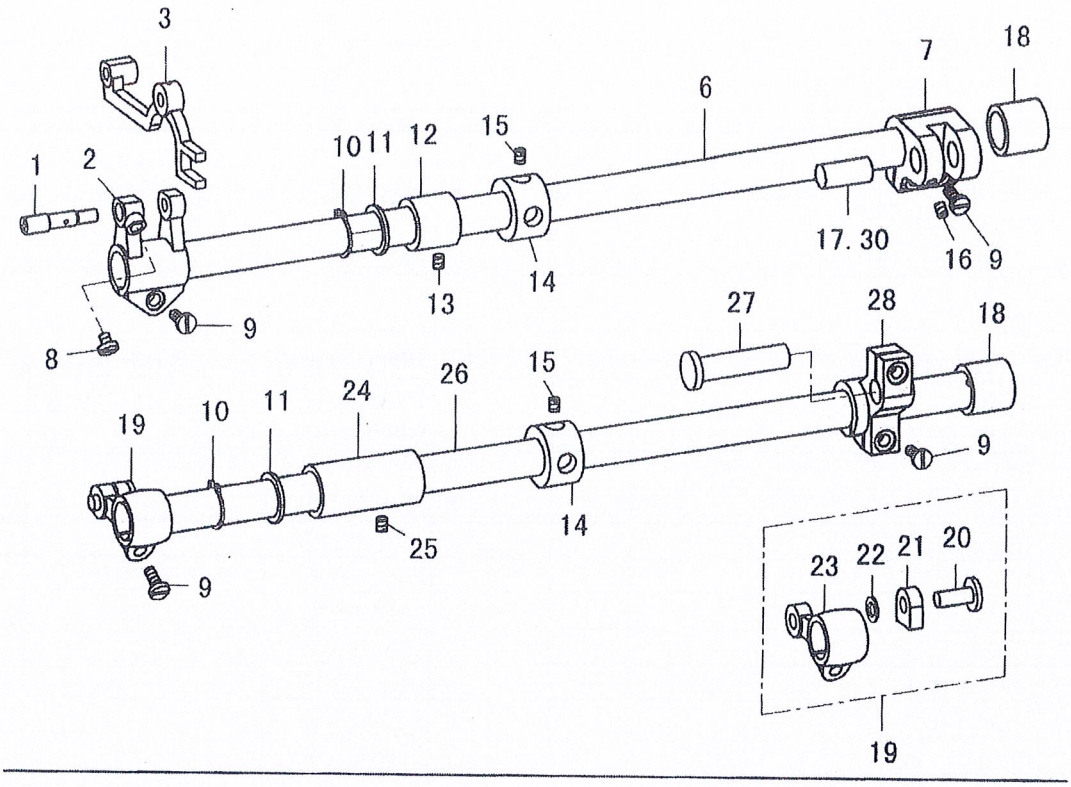
D. Needle bar rocking & lower shaft mechanism

	01	1530C-001		1		26	1530C-026		1
	02	1530C-002		1		27	1530C-027		2
	03	9910J-002	M4-0.75x4	6		28	1530C-028		1
	04	1530C-004		1		29	1530C-029		1
	05	PB810-006	11/64-40x6	1		30	1530C-030		1
	06	W5x10x1	W5x10x1	1		31	341C-060	11/64-40x4	4
	07	1530C-007		2		32	1530C-032	15/64-28	4
	08	1530C-008		1		33	1530C-033	11/64-40x3.5	2
	09	9910C-038		1		34	3708-201		2
	10	DPX5		1		35	1530C-035		1
	11	PB810-088		1		36	1530C-036	11/64-40x10	2
	12	1530C-012		1		37	1530C-037	11/64-40	2
	13	1530C-013		1		38	PB810-101		2
	14	PB810-142	9/32-28x4	1		39	1530C-047		1
	15	1530C-015		1		40	PB810-119		1
	16	1530C-016		1		41	1530C-049		1
	17	1530C-017		1		42	PB810-221	15/64-28x5	2
	18	3708-155		1		43	PB810-122		1
	19	1530C-019		1		44	1530B-052		1
	20	PB810-027	15/64-28x7	4		45	1530B-053		1
	21	1530C-021		1		46	1530B-054		1
	22	PB810-165	3/16-28x7	1		47	PB810-160		1
	23	1530C-023		1		48	1530B-056		1
	24	PB810-099		1		49	PB810-168L	15/64-28x10	1
	25	PB810-263		1					

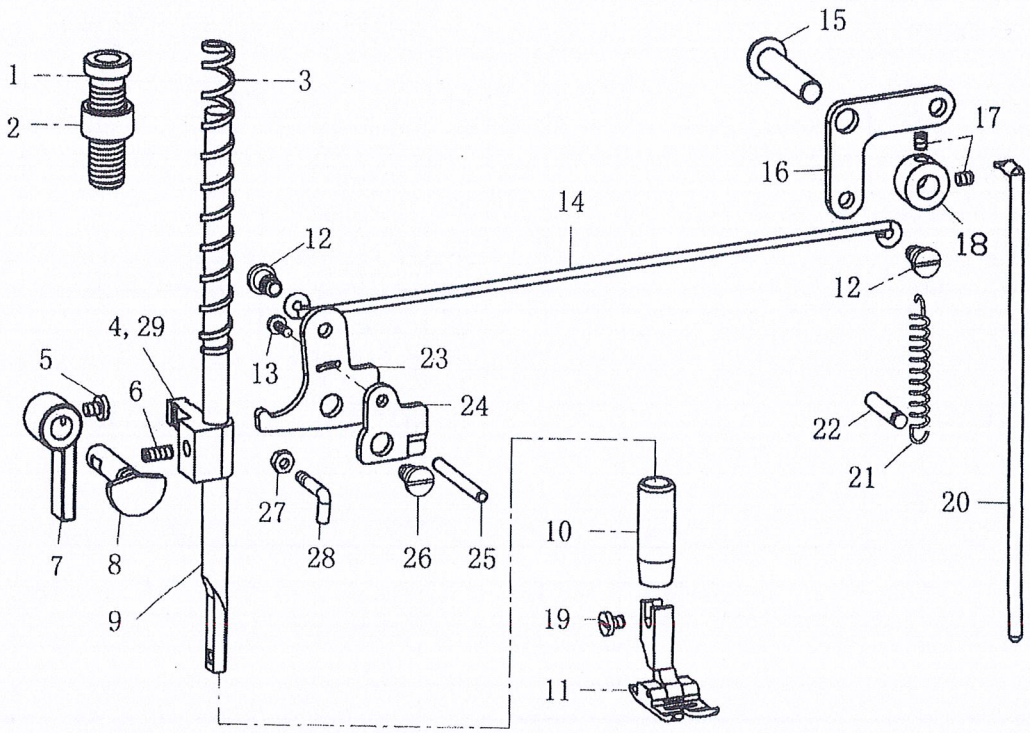
E. Feed mechanism **(1 = LP 9912 2 = LP 9912 H)**

	01	1530C-039	696	2		21	S-8	S8	1
	02	PB810-021	9/64-40x7	3		22	1452E-22		1
	03	1530C-042		1		23	1452E-23		1
	04	9910D-003	M4-0.7x10	2		24	1452E-24		1
	05	081208		1		25	1452E-25		1
	06	1530C-063		1		26	PB810-21	9/64-40x7	1
	07	PB810-021	9/64-40x7	3		27	1452E-27		1
	08	1530C-064		1		28	PB810-268	11/64-40x7	1
	09	9910J-002	M4-0.75x4	4		29	1452E-29		1
	10	1530C-040		2		30	DY6-217	1/8-40x6	1
	11	PB810-68	11/64-40x12	2		31	PB810-21	9/64-40x6	1
	12	1452E-12		1		32	1452E-32		1
	13	1452E-13	M4-0.7x14	1		33	42G-12	9/64-40x5	2
	14	1452E-14		1		34	1452E-34		1
	15	341C-61	SM11/64X40	2		35	91D-3	M4-0.7x10	2
	16	1452E-16		1		36	1452E-36		1
	17	1452E-17		1		37	PB810-267	3/16-32x9	1
	18	1452E-18		1		38	PB810-194	3/16-32	1
	19	1452E-19		1		39	PB810-68-1	11/64-40	1
	20	W8x14	W8x14x0.5	1		40			

F. Feed mechanism



G. Presser foot mechanism



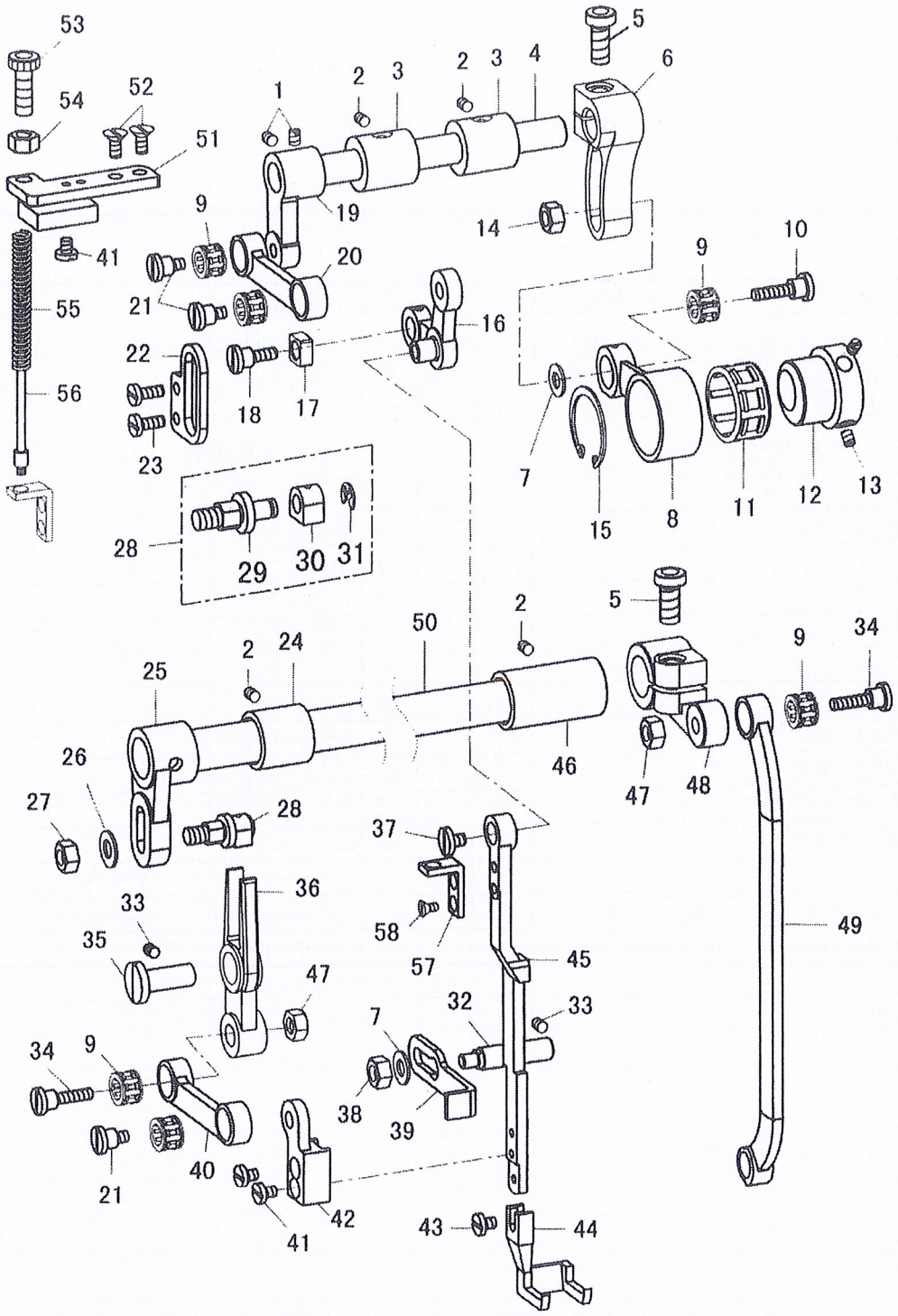
F. Feed mechanism (1 = LP 9912 2 = LP 9912 H)

	01	1530E-001		1	01	17	PB810-226		1
	02	1530E-002		1		18	1530E-018		2
	03	1452F-3		1		19	1530E-019		(1)
	06	1530E-006		1		20	3300D-234B		1
	07	PB810-222		1		21	3300D-234C		1
	08	PB810-109	11/64-40x7	1		22	W6x10	W6	1
	09	PB810-068	11/64-40x13	5		23	3300D-234A		1
	10	S-15		2		24	1530E-024		1
	11	W15x20	W15	2		25	PB810-099	15/64-28x11	1
	12	1530E-012		1		26	1530E-026		1
	13	PB810-027	15/64-28x7	1		27	3706-224		1
	14	PB810-211		2		28	3300C-241		1
	15	PB810-221	15/64-28x5	4	02	30	2530E-030		1
	16	PB810-008	11/64-40x7	1					

G. Presser foot mechanism (1 = LP 9912 2 = LP 9912 H)

	01	PB810-184		1		16	1530F-016		1
	02	37010-143		1		17	PB810-221	15/64-28x5	2
	03	PB810-187		1		18	PB810-122		1
01	04	1530F-004		1		19	PB810-021	9/64-40x7	1
	05	PB810-109	11/64-40x7	1		20	1452G-20		1
	06	PB810-027	15/64-28x7	5		21	1530F-021		1
	07	1530F-007		1		22	1530F-022		1
	08	1530F-008		1		23	1530F-023		1
	09	37010-137		1		24	1530F-024		1
	10	PB810-202		1		25	37010-125		1
	11	1530F-011		1		26	1530F-026	1/4-40x7.5	1
	12	341F-025	3/16-28x8.5	2		27	9910P-12-10	19/64-40x3	1
	13	PB810-292	11/64-40x6.5	1		28	1530F-028		1
	14	1530F-014		1	02	29	2530F-029	DYZ	1
	15	1530F-015		1					

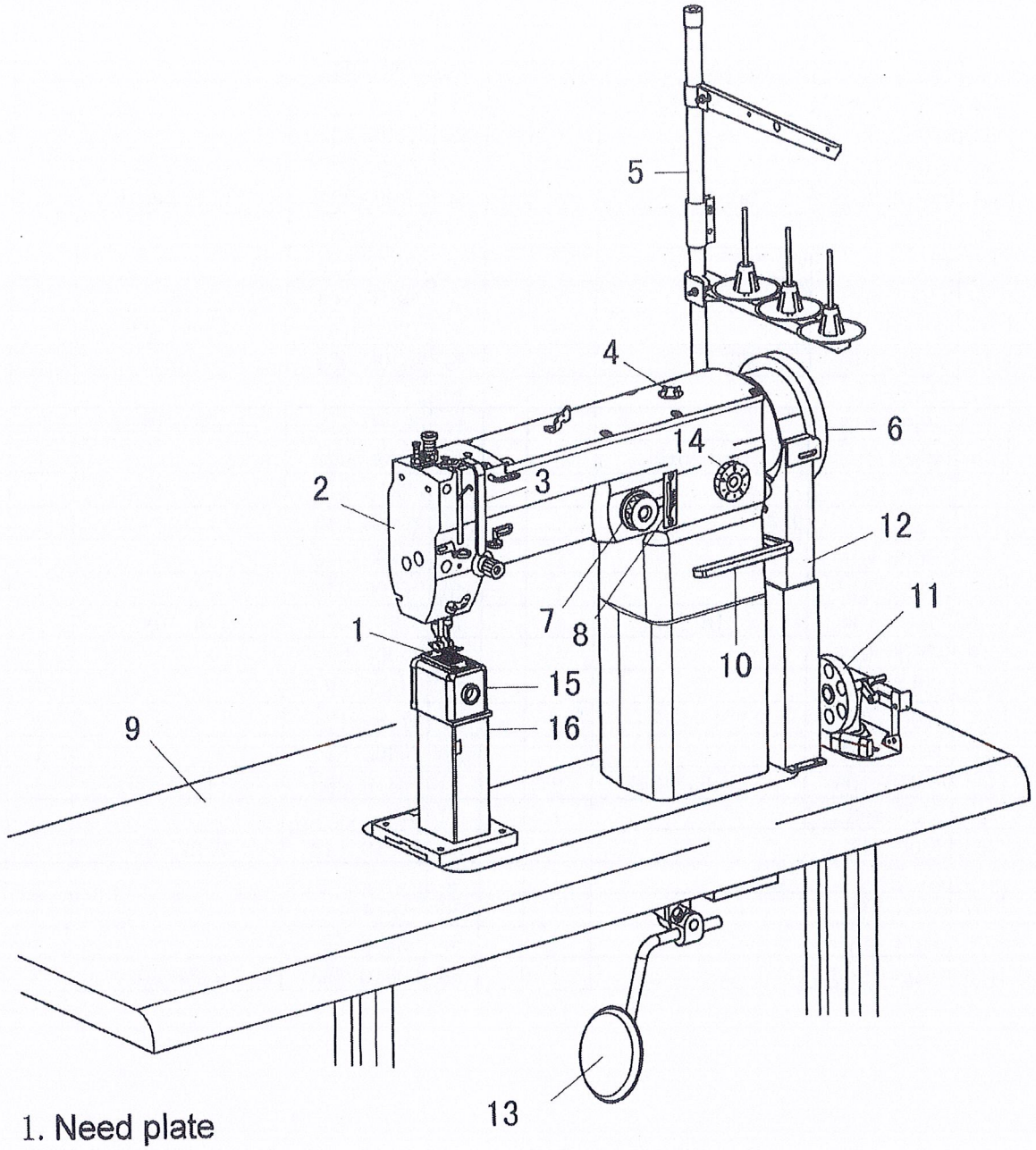
H. Upper feed mechanism



H. (**LP 9912 H**) Upper feed

	01	9910G-017	M5x6	2		30	3708-194A		1
	02	PB810-008	11/64-40x6	4		31	E-4	E4	1
	03	3708-155		2		32	3700E-032		1
	04	3700E-004		1		33	PB810-027	15/64-28x7	2
	05	PB810-261S	M6x20	2		34	3700E-034	1/4-40x16	2
	06	3700E-006		1		35	3708-208		1
	07	W6x12	W6	2		36	3700E-036		1
	08	3700E-008		1		37	PB810-164	3/16-28x7	1
	09	8x12x8		6		38	842C-015	15/64-28x3	1
	10	3700E-010	M6	1		39	2530G-039		1
	11	24x28x13		1		40	2530G-040		1
	12	3700E-012		1		41	PB810-21S	9/64-40x6	2
	13	PB810-101	1/4-40x6	2		42	2530G-042		1
	14	3708-167	M6	1		43	PB810-21L	9/64-40x8	1
	15	R-24	R24	1		44	2530G-044		1
	16	3700E-016		1		45	2530G-045		1
	17	3700E-017		1		46	3700E-046		1
	18	3700E-018	3/16-28x7	1		47	3708-207A	1/4-40x5	2
	19	3700E-019		1		48	3700E-048		1
	20	3700E-020		1		49	1452H-49		1
	21	3700E-021	1/4-40x7	3		50	3708-213		1
	22	3700E-022		1		51	2530G-61		1
	23	PB810-109	11/64-40x7	2		52	PB810-263	11/64-40x7	2
	24	3708-193		1		53	DY8-151		1
	25	3708-212		1		54	PB810-142	9/32-28	1
	26	W6.5X13	W6.5	1		55	DY8-170		1
	27	3708-210	1/4-24x5	1		56	DY8-171		1
	28	3708-194		(1)		57	2530G-62		1
	29	3708-194B		1		58	PB810-255	9/64-40x7	2

I.Name of major parts



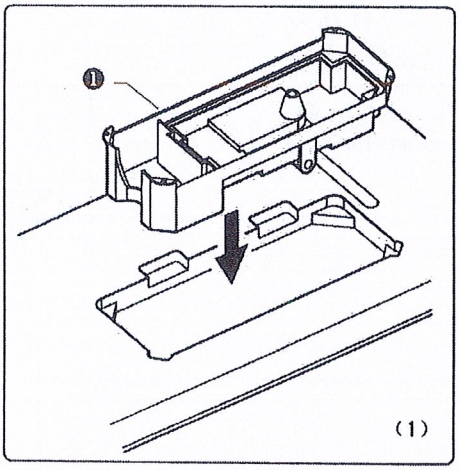
1. Need plate
2. Face plate
3. Thread take-up
4. Oil window
5. Cottonstand assy
6. Pully
7. Hand trun wheel
8. Indicating board
9. Rubber hinge assy
10. Reverse lever
11. Bobbin winder assy
12. Belt coverassy
13. Cover .K-Lifter plate
14. Stitch length dial assy
15. Rotary hook Base
16. Ppster bend

J. Machine specifications

Item \ Model	LP 9912	LP 9912 H
Speed	1200spm	1450spm
Zigzag width	8 MM	8 MM
Needle size	DPx5	DPx5
Thead take-up capacity	73mm	73mm
Needle bar capacity	34mm	34mm
Presser foot operating		3-7mm
Presser foot tising rate	7mm	7mm
Shuttle	Big shuttle	Big shuttle
Usage	Light-weight materials to medium-weight materials	Medium-weight materials to heavy-weight materials

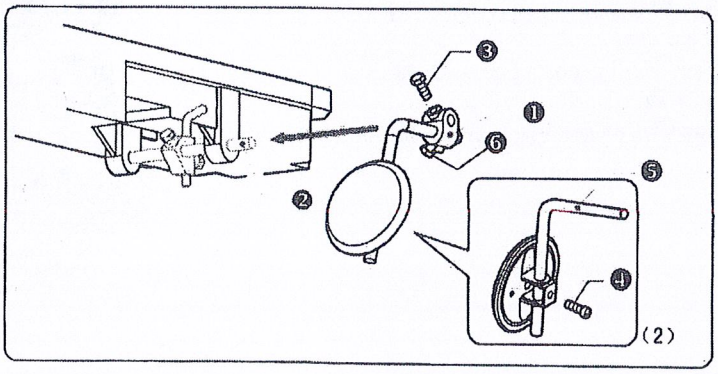
N. Installation\Oil Pan

As figure (1) shown:
Push ❶ in table.



(1)

As figure (2) shown:
Cover .K-Lifter plate
Adjust knee pan joint❷. kenn lifter vertical shaft installing am❶ and knee pad lever❺ to the direction of kmee lifter lever shaft❷and assemble these components.
Adjust the direction of the pad with setscrews❸❹and❻.

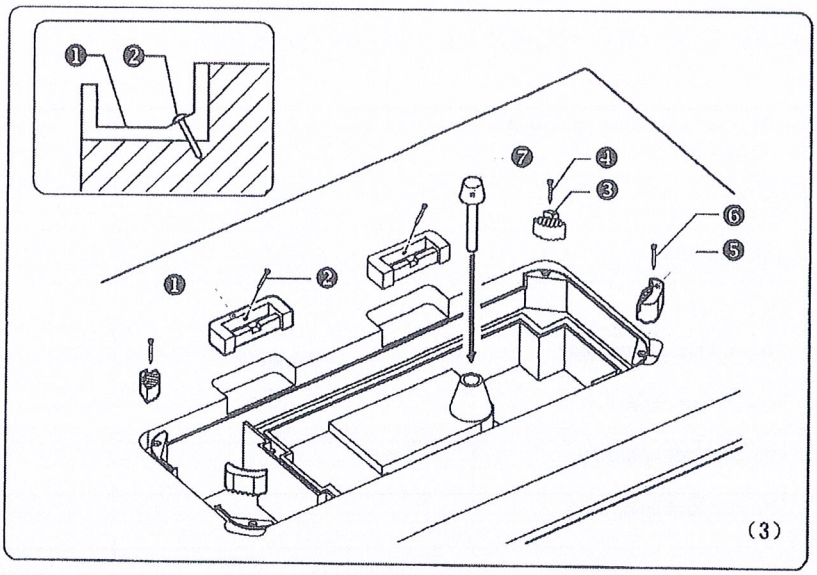


(2)

As figure (3) shown:

Fix the hinge seats ❶ and the support rubbers ❸ ❺ supplien whit the machine on table using nails ❷

Then push ❼ in the oil pan

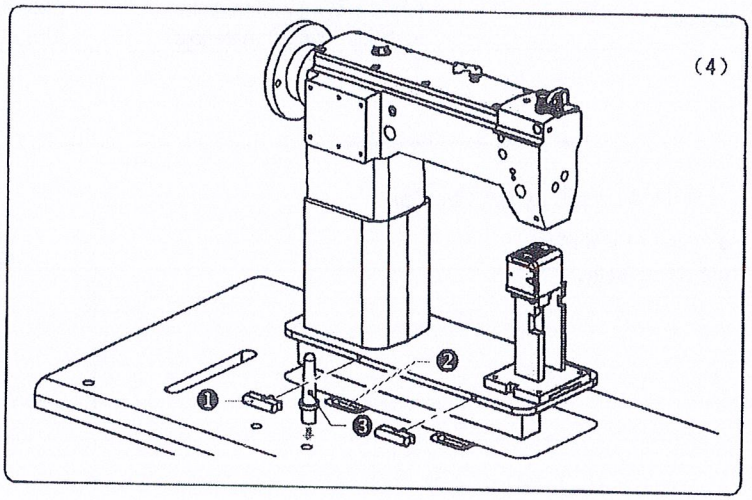


(3)

As figure (4) shown:

Head hinge ❶ push in the machine。

Tap the head rest ❸ securely into the table hole。



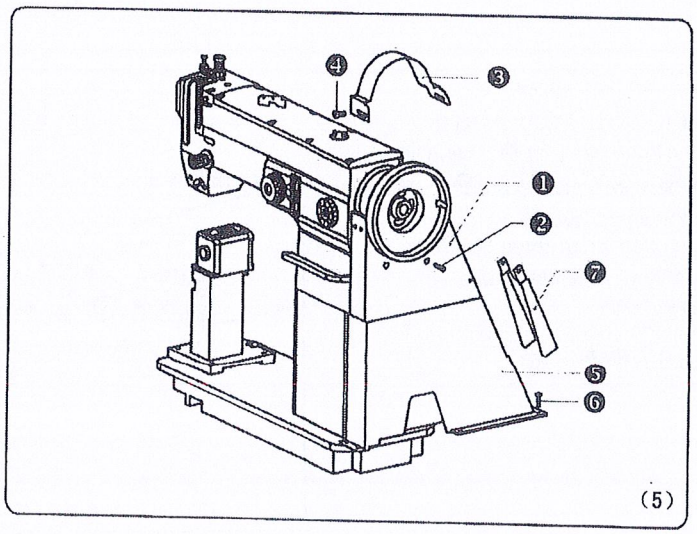
(4)

As figure (5) shown:

Apply screw ❷ to tighten belt cover U ❶ to machine cover。

Apply screw ❹ to tighten belt cover C ❸ and cover U ❶。

Apply screw ❻ to tighten belt cover D ❺ on the table。

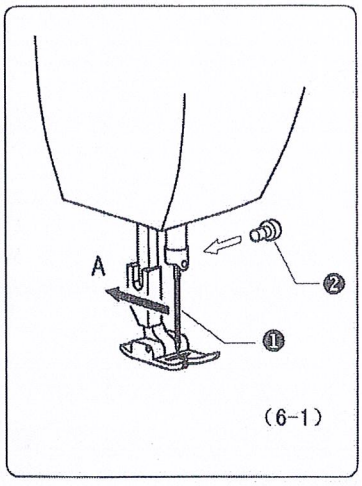


(5)

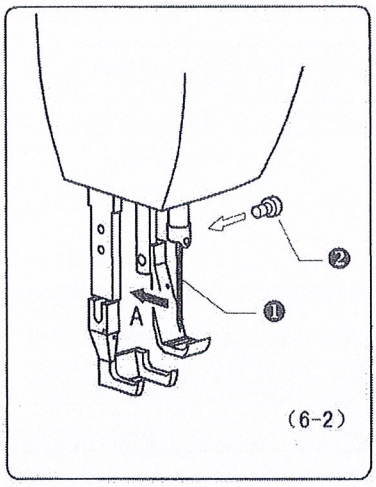
K. Adjustment

Installing the needle

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

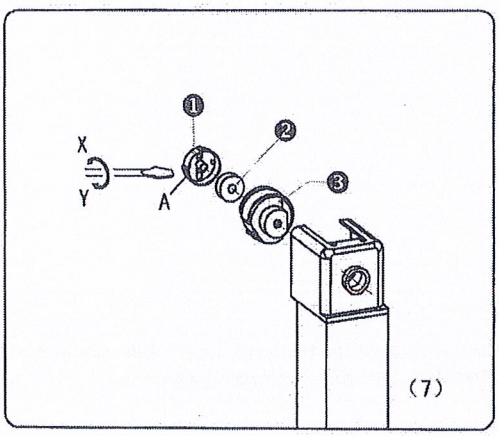


(6-1)



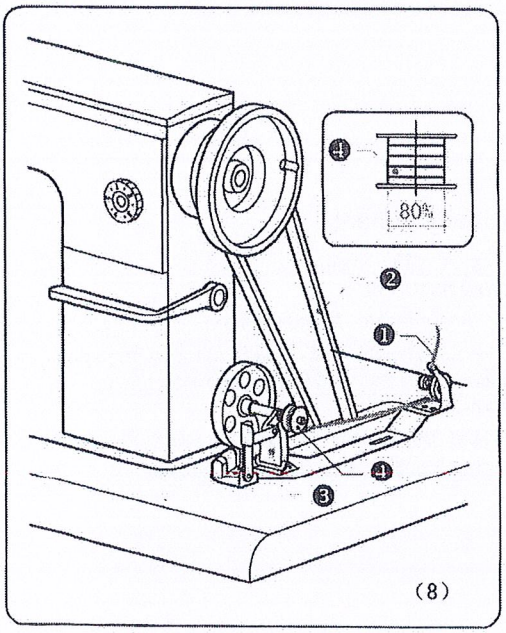
(6-2)

As figure (7) shown:
<1> Open the case cover, then take out the bobbin case❶。 Instell bobbin❷ into bobbin case❶, open the case cover, snap bobbin case❶ into shuttle❸ then assemble together。
<2> Tuen tension adjustment screw (A) clockwise Y to increse the bobbin thread ten sion, or counterclockwise X to decrease it。



(7)

As figure (8)show : connect lower thread❶move handle of the winding shaft❸to snap the wheel to beit❷梭and rotate it 80% of the winding amount in bobbin❹will be best。



(8)

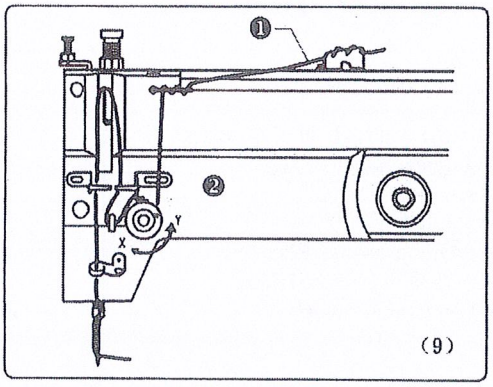
As figure (9) shown:

<1>Threading the upper thread

Insent the upper thread ❶as figure shown。

<2> Face line tension adjustment

Rotate clipper ❷, the upperline tension in direction Xincrease and Y direction decrease。



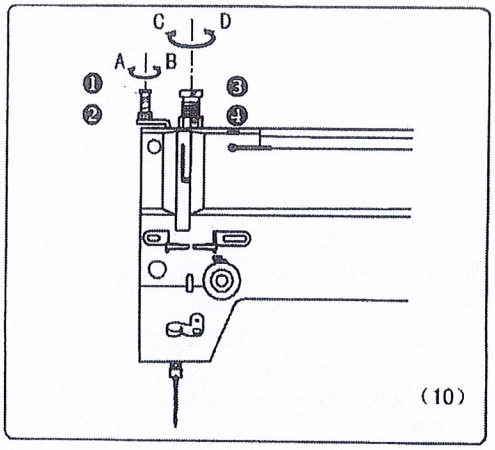
(9)

Presser foot pressure adjustment

As figure (10) shown:

Rotate screw ❶, the outer pressure in A direction increase B direction decrease adjustment fix the nut ❷。

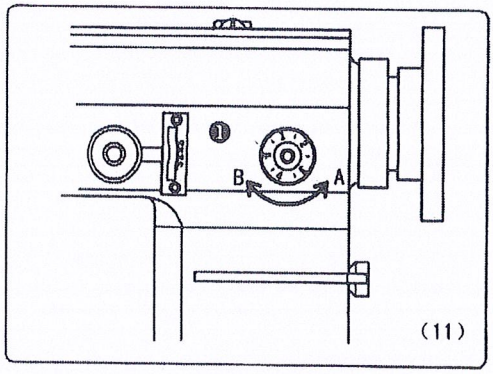
Rotate screw ❸, the inner pressure in C direction increase D direction decrease after adjustment fix the nut ❹。



(10)

As figure (11) shown:

Rotate the stitch length dial assy ❶to adjust the swing span in A direction decrease and B direction increase。



(11)

Span adjustment

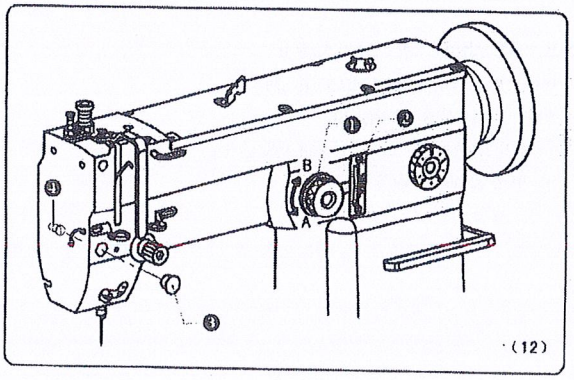
As figure (13) shown:

Macro adjustment

The swing indicator ❷indicate the span number in mm rotate the swing handwheel ❶, toadjust the swing span in A direction decrease and B direction increase。

Micro adjustment

Open the rubber cork ❸apply screwdriver to rotate eccentric bar ❹to adjust the swing span。



(12)

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
		Maim distance between needle and shuttl	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
		Thread take-up spring tension	Thread take-up spring tension too weak	Adjust thread take-up spring tension
3	Wire problem	Thread tension	Shuttle upper thread tension problem	Adjust shuttle and upper thread tension
		Thread take up spring tension	Thread take-up spring tension problem	Adjust thread take-up spring tension
		Presser foot	Presser foot too high	Adjust presser foot height
		Presser foot pressure	Presser foot presser 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	Chang bobbin
		Bobbin winding amount	Too much winding amount	Winding amount should not be more than 80%