

GC24698-25

Long Arm Post Bed Compound Feed Lockstitch Sewing Machine

Instruction Manual Parts Catalog

SHANGHAI BIAOZHUN HAILING SEWING MACHINERY CO.,LTD.

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■ Preparation for operation:

1. Safety precautions:

- 1) When turning the power on, keep your hands and fingers away from the area around/under the needle and the area around the pulley.
 - 2) Power must be turned off when the machine is not in use, or when the operator leaves the seat.
- 3) Power must be turned off when tilting the machine head, installing or removing the "V" belt, adjusting the machine, or when replacing.
- 4) Avoid placing fingers, hairs, bars etc. near the pulley, "V" belt, bobbin winder pulley, or motor when the machine is in operation.
- 5) Do not insert fingers into the thread take-up cover, under/around the needle, or pulley when the machine is in operation.
- 6) If a belt cover, finger guard, eye guard are installed, do not operate the machine without these safety devices.

2. Precautions before starting operation:

- 1) Never operate the machine before filling the machine's oil pan.
- 2) When a new sewing machine is first turned on, verify the rotational direction of the pulley with the power on.
 - 3) Verify the voltage and phase (single or three) with those given on the machine nameplate.

3. Precautions for operating conditions:

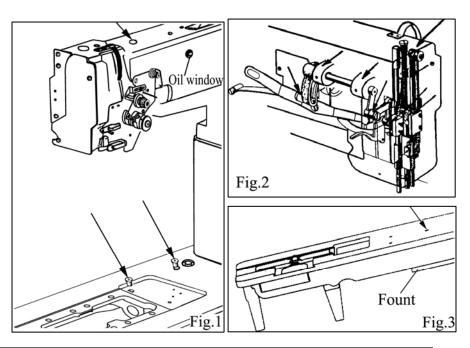
- 1) Avoid using the machine at abnormally high temperatures (35°C or higher) or low temperatures (5°C or lower) .
- 2) Avoid using the machine in dusty conditions.

■ Cautions on use:

1. Lubrication

When a new sewing machine is used for the first time, or sewing machine left out of use for a long time is used again, replenish a suitable amount of oil to the portions indicated by arrow in the fig.1,fig.2.

Note: Filling the oil to the fount timely (Fig.3). Use white spindle oil.



2. Cautions on operation

- 1) When the power is turned on or off, keep foot away from the pedal.
- 2) It should be noted that the brake might not work when the power is interrupted or power failure occurs during sewing machine operation.
 - 3) Periodically clean the machine.

■ Operation

1. How to attach needle (Fig.4)

Note: Before attach needle, be sure to turn off the power.

Loosen the needle clamping screw. Hold the needles so that the two needles side with the long grooved (faces each other), and insert it as deeply as it will go into the needle clamping holes, tighten screws.

2. How to wind the lower thread (Fig.5)

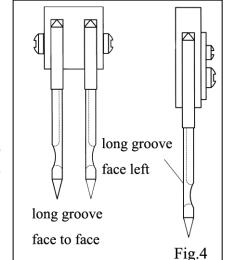
Strength of winding: Particularly in the case of nylon or polyester thread, wind the bobbin loosely.

- 1) Press the bobbin onto the thread winding shaft.
- 2) Pass the thread for winding thread as shown in the fig, and wind the end of the thread clockwise around the bobbin several times.
- 3) Press lever 1 in the direction of the arrow, and start the sewing machine.
- 4) The operation will automatically stop when winding is completed.
- 5) Adjustment of thread winding strength, Adjust with the thread adjuster nut 2.
- 6)Adjustment of thread winding amount, Adjust by loosening screw 3 and moving the adjustment plate 4.
- a. The thread winding amount will decrease when moved in the direction of a.
- b. The thread winding amount will increase when moved in the direction of b.

Bobbin shaft Fig.5

3. Selection of Thread

It is recommended to use left twisted thread in the left needle (Viewed from front), and right twisted thread in the right needle.



When discriminate use of needle thread is impossible, use left twisted thread in the needle. For bobbin thread, right twisted thread as well as left twisted thread can be used.

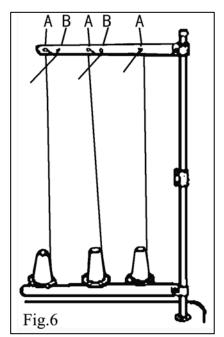
4. How to route the upper thread (Fig.6, Fig.7)

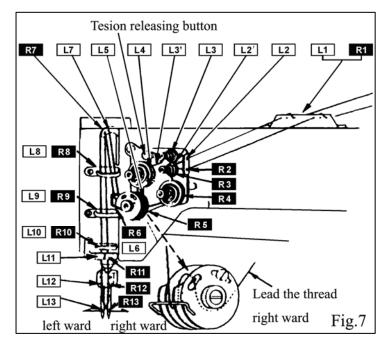
1) Pass each upper thread through thread guide A.

Note: when thin slippery thread (polyester thread for example) is used pass the thread through thread guide B as show in Fig.7

2) With the take-up lever located at the upper most position, pass each thread in the order in Fig.8.

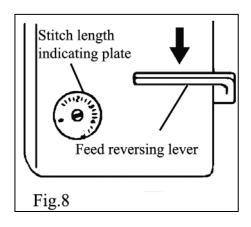
Note: Pressing the upper thread loosening button, the upper thread can be pulled out easily.

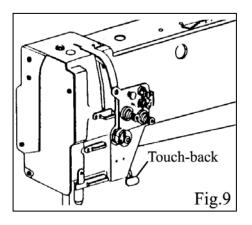




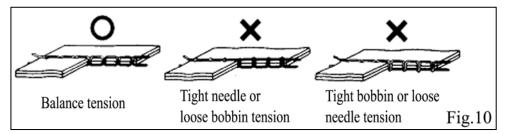
5. Adjustment of stitch length and reverse sewing (Fig.8 Fig.9)

- 1) Rotate the stitch length adjusting dial to change the stitch length.
- 2) If the reverse lever/push-button is depressed, reverse sewing will take place.



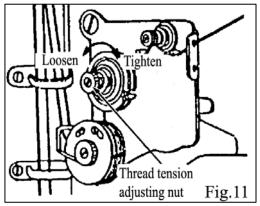


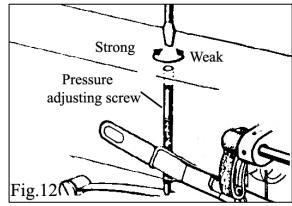
6. Balance of thread tension (Fig.10)



7. Upper thread tension (Fig.11)

- 1) The upper thread can be adjusted based on the lower thread tension.
- 2) Adjustment can be done by rotating the thread tension nut.





8. Adjustment of pressure of presser foot (Fig.12)

- 1) Pressure should be adjusted according to the material to be sewn.
- 2) Turning the pressure adjusting screw to adjust the pressure of presser foot.

9. Timing between rotating hook motion and needle motion (Fig.13):

- 1) Set stitch length to "6".
- 2) When needle is lifted 2.4mm from the lower dead point, the following position relationship should be maintained:
- The upper edge of needle eye should be 2.3mm below the hook point
- The hook point should be located at the center of needle axis.
- \bullet Gap between the hook point and the side face of needle should be 0.05 mm

Gap between hook point and lower edge of needle gap 2.4 Needle lifting:2.4mm from needle lower dead point 0.05 Center of needle Hook point Fig.13

10. Adjustment of Feed dog height (Fig.14)

Height of feed dog should be adjusted for individual fabrics with the following cautions:

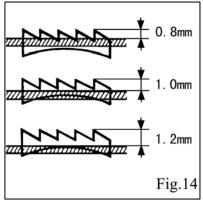
- 1) Fabric will be damaged if the feed dog extends too high or pressure of presser foot is too large
- 2) Even stitch length cannot be assured if the feed dog is too lowor pressure of presser foot is too small
- 3) Feed dog height should be measured at the point where the needle is at the top position.

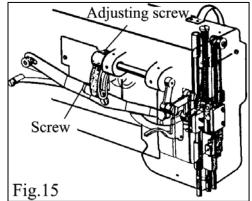
For light fabric: Approx 0.8mm For usual fabric: Approx 1.0mm For heavy fabric: Approx 1.2mm

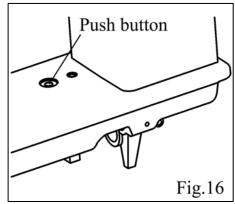
Adjustment procedure:

- 1) Lay down the machine bed toward the other side.
- 2) Turn the balance wheel by hand stop when the feed dog is raise to its highest position from the surface of needle place.
 - 3) Loosen the Screw and adjust the height of the feed dog.
 - 4) After adjusted, tighten the screw.

The feed dog height is factory-adjusted to 1.2mm







11. Walking foot and presser foot vertical stroke adjustment (Fig.15)

When fabric with large elasticity is sewn, or when thickness of fabric changes, the vertical stroke (movable range) of the presser feet should be adjusted as follows:

- 1) Loosen the special bolt.
- 2) The vertical strokes of presser feet become minimum when the crank rod is moved downward and set.
- 3) The vertical strokes of presser feet become minimum when the crank rod is moved upward and set.
- 4) After the adjustment, tighten the special nut.

The vertical strokes of presser feet can be adjusted within a range from 2mm to 6mm.

12. Safety clutch device (Fig.16, Fig.17)

Safety clutch device is installed to prevent the hook and cog belt from damage in case the thread is caught into the hook when the machine is loaded abnormally operation.

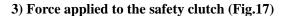
1) Function of safety clutch:

A. When the safety clutch acts, the cog belt pulley will be unloaded. Then the rotation of hook shaft will stop. The arm shaft only will rotate. Stop the operation of machine.

- B. Clean the thread thoroughly which is caught into the hook.
- C. Turn the cog belt hub by hand, and check whether the hook shaft rotates lightly and properly, place the clutch device as follows.

2) How to set the safety clutch (Fig.17)

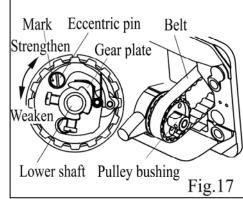
- A. While pressing down the push button on the opposite side of bed by left hand, turn the balance wheel slowly by right hand away from you;
- B. The balance wheel will stop by the gear plate, but turn the balance wheel more firmly;
 - C. Release the push button, the safety clutch device is set.

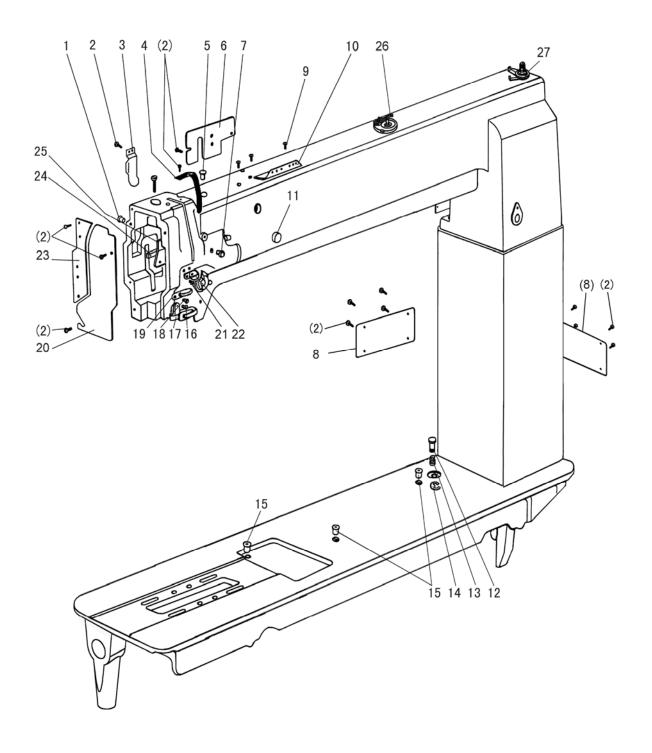


- A. The force applied to the safety clutch is the smallest when the mark of eccentric pin faces the center of the lower shaft. The force proportionally increases as the mark faces the outside;
 - B. To adjust the force slide the timing belt, loosen the set screw, and turn the eccentric pin;
 - C. After the adjustment, tighten the set screw.

Specifications:

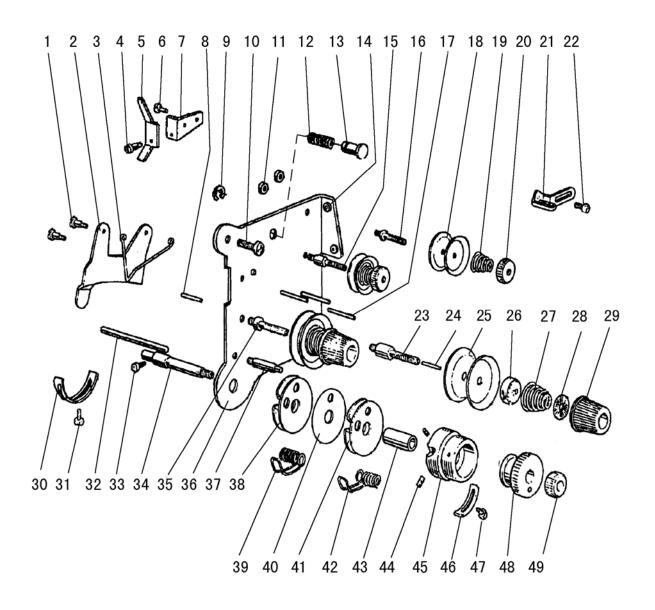
Spec	Model	GC24698-25		
Materia	l weight	Medium Heavy material		
Max. sew	ring speed	1200rpm		
Stitch	length	0-7mm		
Needle t	oar stroke	33.4mm		
Presser foot	By hand	8mm		
stroke	By knee	16mm		
Alternating	g movement	2-6mm		
Stitch-leng	th adjusting	Dial type		
Alternating	g movement	Automatic		
Ne	edle	DP×17 (22#24#)		
Needl	e space	7.9mm		
Mo	otor	Servo Motor 550W		





A. ARM BED MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
A01	HA300B2090	Rubber plug	2	
A02	HA300B2170	Screw	15	$SM11/64(40) \times 9$
A03	H4716B8001	Oil guard plate	1	
A04	H4717B8001	Thread take-up cover	1	
A05	H4715B8001	Rubber plug	1	
A06	H4718B8001	Arm side cover (left)	1	
A07	H2000B2010	Rubber plug	1	
A08	H7117B8001	Arm side cover	2	
A09	HA700B2060	Screw	2	$SM11/64(40) \times 8$
A10	H2400B2100	Thread guide	1	
A11	HA307B0673	Rubber plug	1	
A12	H4715H8001	Push button	1	
A13	H4714H8001	Spring	1	
A14	Н007013050	E-type ring	1	
A15	H2000M0090	Cap	3	
A16	H3200B2100	Screw	1	$SM9/64(40) \times 6.5$
A17	H3212B0066	Thread guide	1	
A18	H3000D2160	Screw	1	$SM9/64(40) \times 4.5$
A19	H4726B8001	Thread guide	1	
A20	H4727B8001	Face plate	1	
A21	H2400B2080	Screw	2	$SM3/16(28) \times 12.1$
A22	H2400B2070	Thread guide	1	
A23	H4730B8001	Guide mounting plate	1	
A24	H2400B2060	Spacer	1	
A25	H3200B2060	Oil guard plate	1	
A26	H7007D7101	Bobbin winder	1	
A27	H7014D7101	Down-lead complete	1	

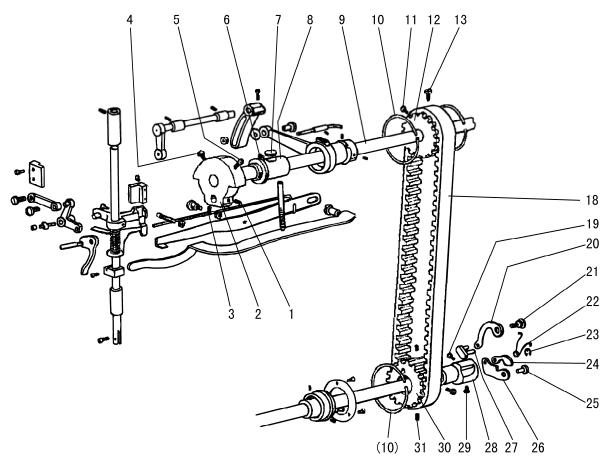


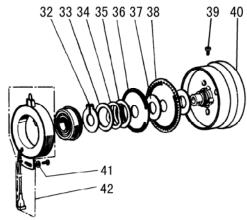
B. THREAD TENSION REGULATOR MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
В01	H3221B6811	Screw	2	SM9/64(40) × 2.5
B02	H3221B3142	Tension releasing plate	1	
В03	H3221B6812	Tension releasing spring	1	
B04	H4705C8001	Screw	1	$SM9/64(40) \times 2.9$
B05	H4706C8001	Lever	1	
В06	HA7311C306	Screw	1	$SM9/64(40) \times 6.5$
В07	H4707C8001	Mounting plate	1	
В08	H3221B6817	Pin	1	
В09	H007013050	E-type ring	1	
B10	HA300C2030	Screw	2	$SM11/64(40) \times 8$
B11	H3221B6810	Nut	2	$SM11/64(40) \times 3$
B12	H4708C8001	Spring	1	
B13	H4709C8001	Push button	1	
B14	H3221B0681	Thread pipe	2	
B15	H3221B0685	Thread tension stud	1	
B16	H3221B0683	Thread tension stud	1	
B17	H3221B0682	Pin	3	
B18	HA112B0693	Thread tension disc	4	
B19	H3221B0684	Thumb nut	2	
B20	HA710B0671	Screw	2	
B21	H3306B0661	Thread guide	1	
B22	HA106B0676	Screw	1	$SM9/64(40) \times 6$
B23	H3221B0689	Thread tension stud	1	
B24	H3221B6816	Pin	1	
B25	HA310B0705	Thread tension disc	4	
B26	HA310B0702	Tension releasing disc	2	
B27	H4710C8001	Spring	2	
B28	HA115B7010	Thumb nut revolution stopper	2	
B29	HA310B0701	Thumb nut	2	
B30	H3221B6819	Stopper	1	
B31	H3200B2100	Screw	1	$SM9/64(40) \times 6.5$
B32	H7010E8001	Pin	1	
B33	H3230K0751	Screw	1	$SM11/64(40) \times 10$
B34	H32481B121	Screw	1	
B35	H3221B0686	Screw	1	
B36	H3221B6820	Mounting plate	1	
B37	H32481B421	Screw	1	
B38	H32481BD21	Take-up spring guide	1	
B39	H4713C8001	Thread take-up spring	1	
B40	H32481BE21	Thread plate	1	
B41	H32481BF21	Plate complete	1	
B42	H4712C8001	Thread take-up spring	1	
B43	H32481B821	Bushing	1	

B. THREAD TENSION REGULATOR MECHANISM

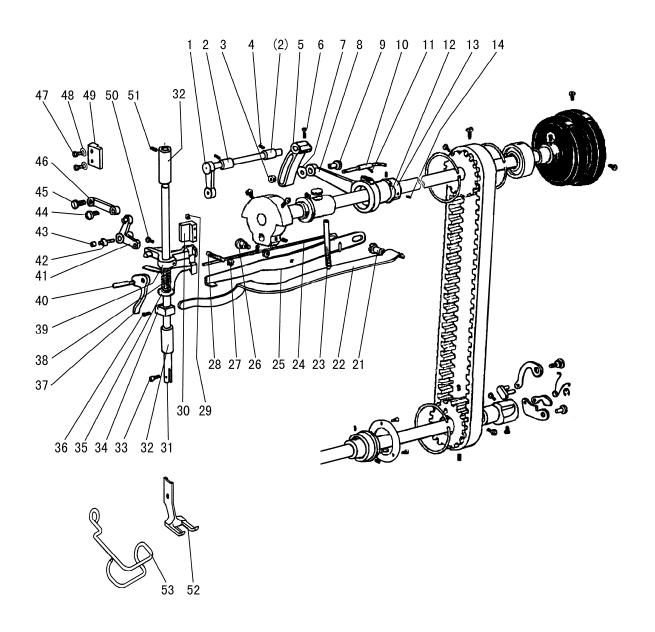
Part No.	Description	Pcs.	Remarks
H32481B521	Screw	2	$SM1/8(44) \times 3.5$
	Bushing	1	
H32481BB21	Stopper	1	
	Screw	1	$SM9/64(40) \times 6$
H32481B621	Bushing	1	
H32481B721	Nut	1	$SM1/4(40) \times 4.5$
	H32481B521 H32481B921 H32481BB21 H32481BC21 H32481B621	H32481B521 Screw H32481B921 Bushing H32481BB21 Stopper H32481BC21 Screw H32481B621 Bushing	H32481B521 Screw 2 H32481B921 Bushing 1 H32481B821 Stopper 1 H32481BC21 Screw 1 H32481B621 Bushing 1





C. UPPER SHAFT MECHANISM

Fig.	Part No.	Description	Pcs.	Remarks
		6 .		GM4 (+ (+0) + +0
C01		Set screw	1	$SM1/4(40) \times 6$
C02		Crank	1	
C03	HA105D0662	Set screw	1	$SM1/4(40) \times 4$
C04		Screw	1	$SM9/32(28) \times 13$
C05		Screw	1	$SM9/32(28) \times 14$
C06		Set screw	1	$SM1/4(24) \times 13$
C07	H32111B104		1	
C08	H32111B204	Arm shaft bushing (left)	1	
C09		Arm shaft	1	
C10		Spring flange	3	
C11		Screw	3	$SM15/64(28) \times 8.5$
C12		Pulley	1	
C13		Screw	1	$SM15/64(28) \times 14.5$
C18		Cog belt	1	
C19		Screw	1	$SM15/64(28) \times 10$
C20		Link	1	
C21	H4714D8001	Pin	1	
C22	H4716D8001	Spring	1	
C23	Н007013025	E-type ring	1	
C24	H4717D8001	Link	1	
C25	H4718D8001	Pin	1	
C26	H4719D8001	Link	1	
C27	H4715D8001	Pin	1	
C28	H4720D8001	Bushing	1	
C29	H4721D8001	Screw	1	$SM15/64(28) \times 10.5$
C30	H4722D8001	Pulley	1	
C31	H4723D8001	Screw	2	$SM15/64(28) \times 4.5$
C32	Н007009300	Retaining ring C-type	1	GB/T894. 1 30
C33	HA700R0060	Washer	1	
C34	HA700R0050	Support spring	1	
C35	HA700R0040	Spacer B	1	
C36	H4928L8001	Speed command disk F20 (up)	1	
C37	HA700R0030	Spacer A	2	
C38	H4930L8001	Speed command disk F11 (down)	1	
C39	HA110D0672	Screw	2	$SM15/64(28) \times 12$
C40	H4931L8001	Pulley (complete)	1	
C41	HA703R0067	Washer	1	
C42	HA703R0065	Detector bracket (complete)	1	

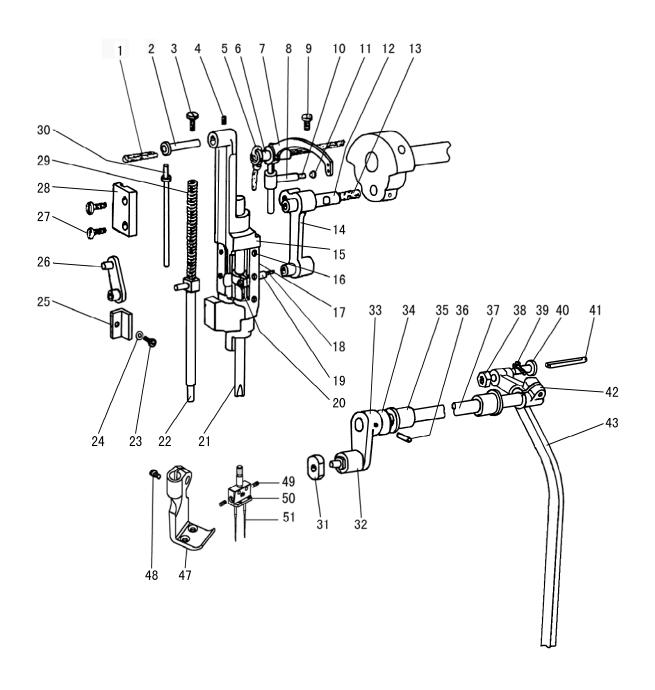


D. PRESSER FOOT MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
D01	H4705E8001	Feed lifting rock shaft	1	
D02	H4707E8001	Bushing	2	
D03	H0030580608	Nut	1	$(M6 \times 0.75)$
D04	H4706E8001	Set screw	2	$SM1/4(24) \times 7$
D05	H4709E8001	Crank	1	
D06	H3115F0671	Screw	1	$SM1/4(28) \times 16$
D07	H2013J0065	Washer	1	
D08	H2014J0066	Connecting rod	1	
D09	H2000J2100	Screw	1	$M6(0.75) \times 24$
D10	H4713E8001	Oil wick	1	
D11	H20111C106	Holder	1	
D12	H007009250	C-type ring	1	
D13	H4714E8001	Eccentric	1	
D14	HA307C0662	Screw	2	$SM1/4(40) \times 6$
D21	H3100G2170	Screw	1	$SM1/4(24) \times 17$
D22	H4730E8001	Lever spring	1	
D23	H4729E8001	Screw	1	$SM15/64(28) \times 79$
D24	H4727E8001	Twist spring	1	
D25	H4728E8001	Knee lifting lever	1	
D26	H3100G2130	Screw	1	$SM1/4(24) \times 7$
D27	H4726E8001	Nut	1	
D28	H4725E8001	Screw	1	$SM1/4(24) \times 19$
D29		Screw	2	$SM11/64(40) \times 12$
D30		Guide	1	
D31	H4754E8001	Presser bar	1	
D32	H4744E8001	Bushing	1	
D33		Screw	1	$SM1/8(44) \times 9$
D34	H4746E8001	Spring bracket	1	
D35	H4768E8001	Thread releasing plate	1	
D36	H2404I0034	Screw	1	$SM9/64(40) \times 8.5$
D37		Lift lever	1	
D38	H4767E8001	Spring	1	
D39	H4752E8001	Bracket	1	
D40	H4749E8001	Screw	1	$SM11/64(40) \times 8.5$
D41	H4715E8001	Bell crank	1	(()
D42	_	Screw	1	$SM3/16(28) \times 10$
D43	H4717E8001	Roller	1	GW4 (0.1 (0.0) -
D44		Screw	1	$SM11/64(32) \times 6$
D45		Screw	1	$SM1/4(40) \times 5$
D46		Link	1	CM11 /CA /AO > > 10
D47		Screw	2	$SM11/64(40) \times 10$
D48	H4722E8001	Washer	2	
D49	H4721E8001	Bell crank guide	1	

D. PRESSER FOOT MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
D50 D51 D52 D53	H4753E8001 H4708D8001 HE504D8001	Screw Set screw Lifting presser Finger guard	Pcs. 1 2 1 1 1	Remarks SM11/64(40) × 17. 5 SM1/4(24) × 13

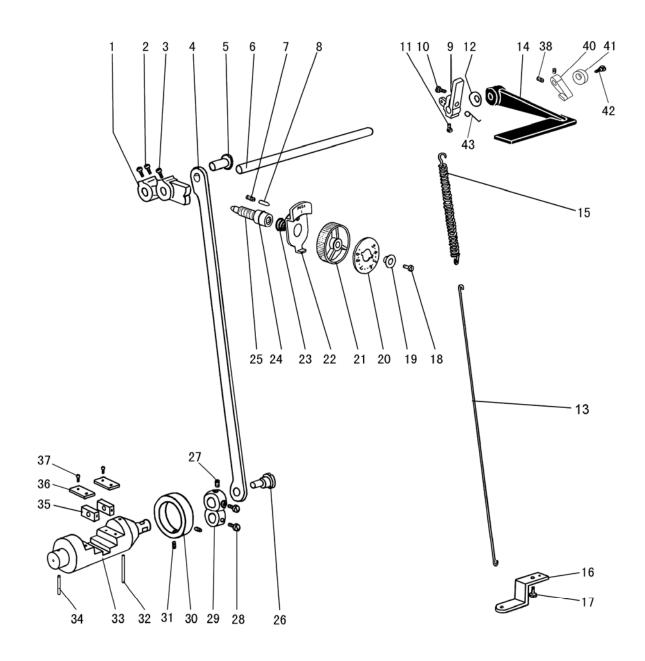


E. THREAD TAKE-UP LEVER & NEEDLE BAR MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
E01	H2405D1122	Oil wick	1	
E02	H4706F8001	Needle bar guide bracket stud	1	
E03	H4707F8001	Screw	1	$SM5/16(28) \times 10.4$
E04	HA100C2020	Set screw	1	$SM15/64(28) \times 10$
E05	H2405D1122	Oil wick	1	
E06	H2405D1121	Thread take-up lever support stud	1	
E07	H3504B0651	Thread take-up lever	1	
E08	H2405D1112	Thread take-up slide brock	1	
E09	HA110D0672	Screw	1	$SM15/64(28) \times 12$
E10	H24211D405	Oil wick	1	
E11	H24211D305	Plug	1	
E12	H2405D0662	Needle bar crank pin	1	
E13	H4716F8001	Oil wick	1	
E14	H4717F8001	Needle bar connecting link	1	
E15	H4719F8001	Needle bar rock frame	1	
E16	H32111D304	Screw	6	$SM3/32(56) \times 4$
E17	H4721F8001	Washer	2	
E18	H3204D6513	Felt	1	
E19	H4722F8001	Needle bar connecting stud	1	
E20	H32111D604	Screw	1	$SM9/64(40) \times 8.5$
E21	H4806F8001	Needle bar	1	
E22	H4725F8001	Vibrating presser bar	1	
E23	H3400C2020	Bolt	1	
E24	H3200I2030	Washer	1	
E25	H3400C2010	Needle bar guide	1	
E26	H4726F8001	Vibrating presser bar link	1	
E27	H4753E8001	Screw	2	$SM11/64(40) \times 17.5$
E28	H4728F8001	Vibrating presser bar guide	1	
E29	H4729F8001	Spring	1	
E30	H4730F8001	Vibrating presser spring guide	1	
E31	H3410C301P	Square block	1	
E32	H3406C0671	Screw	1	$SM15/64(28) \times 10$
E33	H3406C0672	Needle bar vibrating crank(left)	1	
E34	H4734F8001	Washer	1	
E35	H3204B0652	Bushing	2	
E36	H602040240	Taper pin	1	GB/T 117 4×24
E37	H7004F8001	Needle bar vibrating shaft	1	
E38	H7107F8001	Nut	1	
E39	H2012N0652	Screw	1	$SM1/4(24) \times 16$
E40	H7108F8001	Screw	1	$SM5/16(24) \times 5$
E41	H32311D406	Oil wick	1	
E42	H7104F8001	Needle bar vibrating crank(right)	1	
E43	H7105F8001	Connecting link	1	

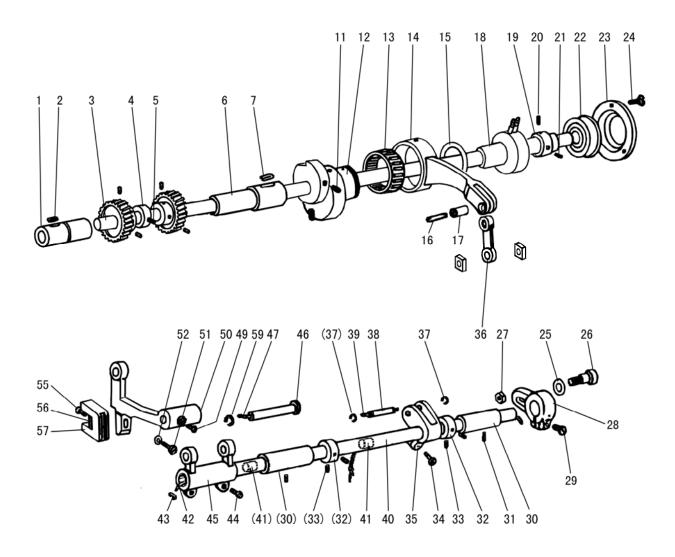
E. THREAD TAKE-UP LEVER & NEEDLE BAR MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
E47	H4744F8002	Vibrating presser foot	1	
E48	HA700F2100			SM11/64(40)×7
E49		Needle clamp	1	5.112, 61 (16)
E50	JZDP1700G2303		2	
	<i>3</i>		_	
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F. STICH REGULATOR MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
F01	H4706G8001	Feed regulator	1	
F02	HA113F0684	Screw	2	$SM15/64(28) \times 8.5$
F03	H3200F2020	Screw	1	$SM15/64(28) \times 12$
F04	H7104G8001	Link	1	
F05	HA100G2070	Eccentric shaft	1	
F06	HF30G78001	Reverse stitch shaft	1	
F07	HA720F0687	Spring	1	
F08	HA700F2030	Stopper pin	1	
F09	HF30G58001	Reverse stitch crank	1	
F10	HA800F2020	Screw	1	$SM15/64(28) \times 13.5$
F11	H3207F0672	Screw	1	$SM11/64(40) \times 8.5$
F12	HA100F2110	Washer	1	
F13		Spring hook	1	
F14	H4906G8001	Feed reversing lever	1	
F15	H4710G8001	Spring	1	
F16	H3200F2050	Bracket for spring	1	
F17	HA300C2030	Screw	4	$SM11/64(40) \times 8$
F18		Screw	1	$SM3/16(28) \times 8.6$
F19	HA720F0685	Bushing	1	
F20	H7107G8001	Face plate	1	
F21	HA7421F120	Dial	1	
F22	HA720F0683	Plate	1	
F23		Spring	1	
F24	HA109F0674	O-ring	1	
F25	HA109F0671	Screw bar	1	$T7/16(8) \times 54.3$
F26	H3206F0662	Pin	1	/
F27		Screw	1	GB/T 70.1 M5×20
F28	H428050060	Screw	2	GB/T 77 M5×6
F29	H4714G8001	Reverse sewing crank	1	
F30	H4715G7101	Collar	1	CM1E /G4 (99) > 7
F31	HA3411D308	Screw	2	$SM15/64(28) \times 7$
F32	H4719G8001	Felt Reverse block	1	
F33 F34	H4720G8001 H4721G8001	Felt	1	
F34 F35	H4721G8001 H4722G8001	Square block	1	
F36	H4723G8001	Guide plate	2 2	
F37	HA300C2030	Screw	4	SM11/64(40)×8
F38		Screw	2	M5×6
F40	H4936L8001	Block	1	INO / \ U
F41		Rubber band	1	
F42	H4937L8001	Screw	1	
F43	H4939L8001	Spring	1	
1 10	1110000001		1	

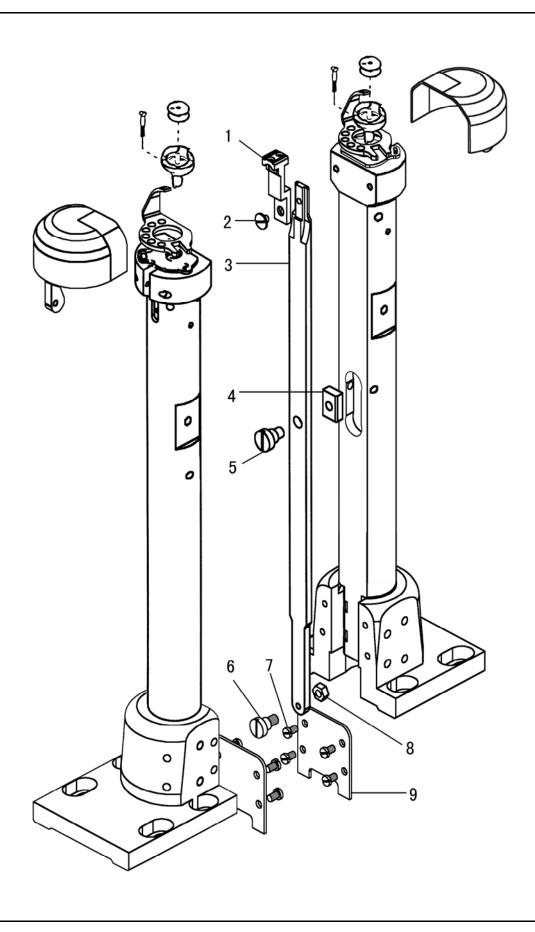


G. LOWER AND FEEDING SHAFT MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
G01	H4706H8001	Lower shaft bushing (left)	1	
G02	H4707H8001	Oil wick	1	
G03	H7004H8001	Lower shaft	1	
G04	H4710H8001	Feed eccentric cam	1	
G05	H3205H0654	Screw	1	$SM1/4(40) \times 5$
G06	H4712H8001	Lower shaft bushing (right)	1	
G07	H4713H8001	Oil wick	1	
G11	H2405D0664	Screw	2	$SM15/64(28) \times 14$
G12	H4717H8001	Feed eccentric	1	
G13	Н4719Н8001	Needle bearing	1	
G14	H4718H8001	Feed connecting rod	1	
G15	H007009260	C-type stop ring	1	GB/T 894.1 26
G16	H4720H8001	Oil wick	1	
G17	H4721H8001	Shaft	1	
G18	Н7006Н7101	Lower shaft bushing complete (middle)	1	
G19	H4724H7101	Bushing	1	
G20	HA105D0662	Screw	1	$SM1/4(40) \times 4$
G21	H3205H0654	Screw	1	$SM1/4(40) \times 5$
G22	H4723H8001	Ball bearing	1	
G23	H4727H8001	Bearing holder	1	
G24		Screw	3	$SM9/64(40) \times 7$
G25	H4728H8001	Washer	1	
G26	Н4729Н8001	Screw	1	M6
G27	H0030580608		1	GB52008 M6
G28	H7105H8001	Feed connection crank (right)	1	
G29		Screw	1	$SM1/4(24) \times 16$
G30		Feed rock shaft bushing	2	
G31		Screw	2	$SM1/4(24) \times 13$
G32		Collar	2	
G33		Screw	4	$1/4(40) \times 4$
G34		Screw	1	$SM1/4(24) \times 16$
G35	H4736H8001	Feed connection crank (middle)	1	
G36		Link	1	an /m . o o o . 5
G37		E-type stop ring	2	GB/T 896 5
G38	H4738H8001	Pin	1	
G39		Oil wick	1	
G40	H7005H8001	Feed rock shaft	1	
G41		Felt Oil mid	2	
G42	H3204G0031	Oil wick	1	
G43	H3200G2030	Clip	1	CM9 /1C (99) > /19
G44	HA104G0012	Screw	2	$SM3/16(28) \times 12$
G45	H3205G1032	Feed connection crank (left)	1	
G46	H32243G205	Feed bar shaft	1	

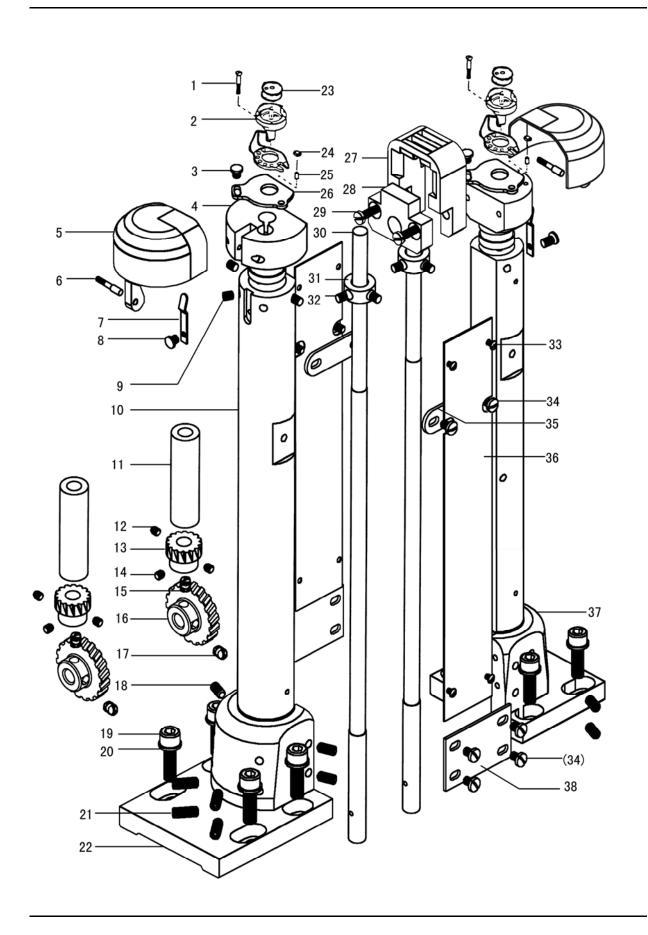
G. LOWER AND FEEDING SHAFT MECHANISM

Fig. No.	Part No.	Description	Pcs.	Remarks
G47	H3205G0662	Oil wick	1	
G49		Bolt		GB/T 78 M5×5
G50		Feed bar	1	
G51	H3200H2040	Screw	1	$SM15/64(28) \times 17$
G52	Н2013Ј0065	Washer	1	
G55	H3205H0653	Screw	1	$SM1/8(44) \times 4$
G56	H3205H0652	Felt	1	
G57	H4743H8001	Feed bar forked connection	1	
G59	Н007009070	C-type stop ring	1	



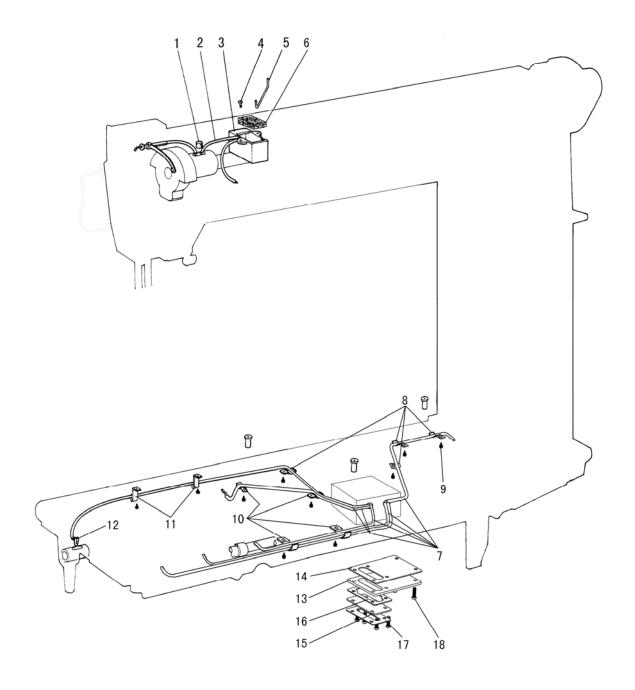
H.FEED BAR MECHANISM

Fig. No. Part No	Description	Pcs.	Remarks
H01 HY70I680	Feed dog(5/16")	1	
H02 H2400I00		1	$SM11/64(40) \times 7$
H03 H7104I80		1	
H04 H7105I80		1	
H05 H7106I80		1	
H06 H7113I80		1	
H07 HA719B07		8	SM11/64(40)×7
H08 H3208G06	Nut	1	SM11/ 01(10) // 1
H09 HY701780		2	



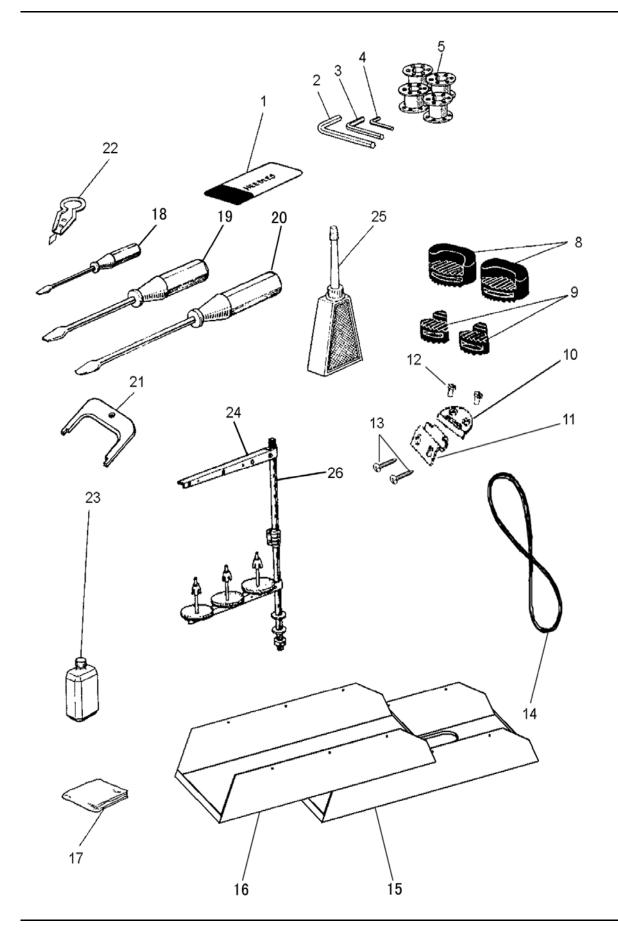
I. HOOK SADDLE MECHANISM

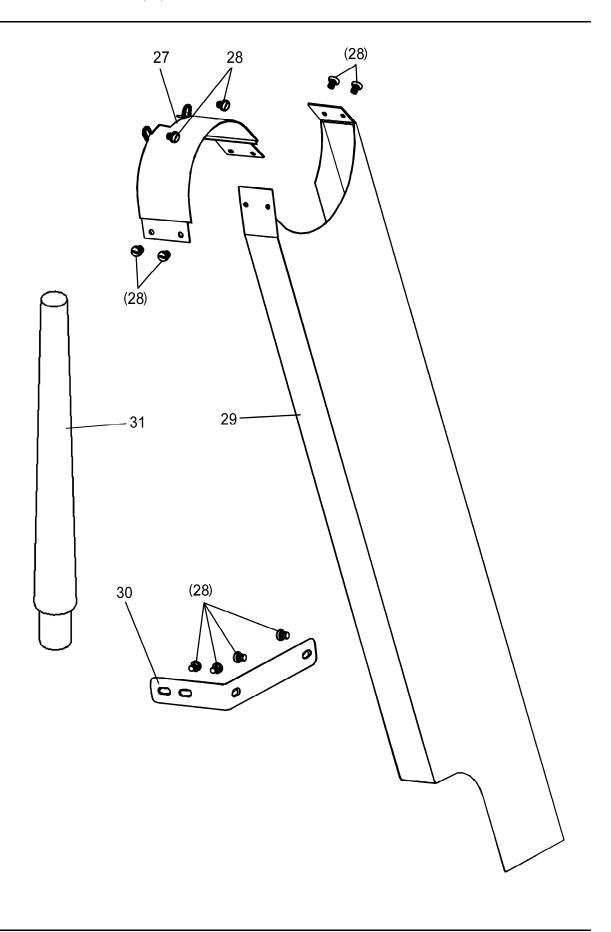
Fig. No.	Part No.	Description	Pcs.	Remarks
I01	H5337D8001	Screw	2	
I02	H4115D0069	Hook	2	
103	H2204C0651	Screw	2	
104	Н7109Ј8001	Hook saddle	2	
105	H7123J8001	Slide plate	2	
I06	H7124J8001	Screw	2	
107	H7122J8001	Spring	2	
108	H3204D6511	Screw	2	
109	H3210F0681	Screw	8	
I10	НҮ70Ј58001	Hook saddle post bed	2	
I11	H7121J8001	Bushing	2	
I12	H3205H0654	Screw	2	$SM1/4(40) \times 5$
I13	H4705I8001	Gear (small)	2	
I14	HA105D0662	Screw	4	
I15	H4707I8001	Screw	2	
I16	H4706I8001	Gear (big)	2	
I17	HA307C0662	Screw	4	
I18	H428060120	Screw	8	$M6 \times 12$
I19	H415080200	Screw	8	$M8 \times 20$
120	Н005004080	Washer	8	
I21	H428060160	Screw	8	$M6 \times 16$
I22	НҮ70Ј68001	Supporter(left)	1	
I23	H2400I2020	Bobbin	2	
I24	H41622D216	Square block	2	
I25	H410270D16	Pin	2	
I26	H7115J8001	Cover plate	2	
127	НҮ71Ј38001	Needle plate	1	5/16
128	НҮ71Ј48001	Cover plate	1	
129	HA700B2030	Screw	2	$SM11/64(40) \times 20$
130	H7104J8001	Hook shaft	2	
I31	H7106J8001	Collar	2	
I32	HA105D0662	Screw	4	
I33	HE517J8001	Screw	8	$SM9/64(40) \times 5.5$
I34	H2404K0656	Screw	12	$SM15/64(28) \times 9$
I35	HY71J18001	Cover plate	2	
I36	HY71J28001	Cover plate	2	
137	НҮ70Ј78001	Supporter(right)	1	
138	HY71J08001	Cover plate	2	



J. OIL LUBRICATION MECHANISM

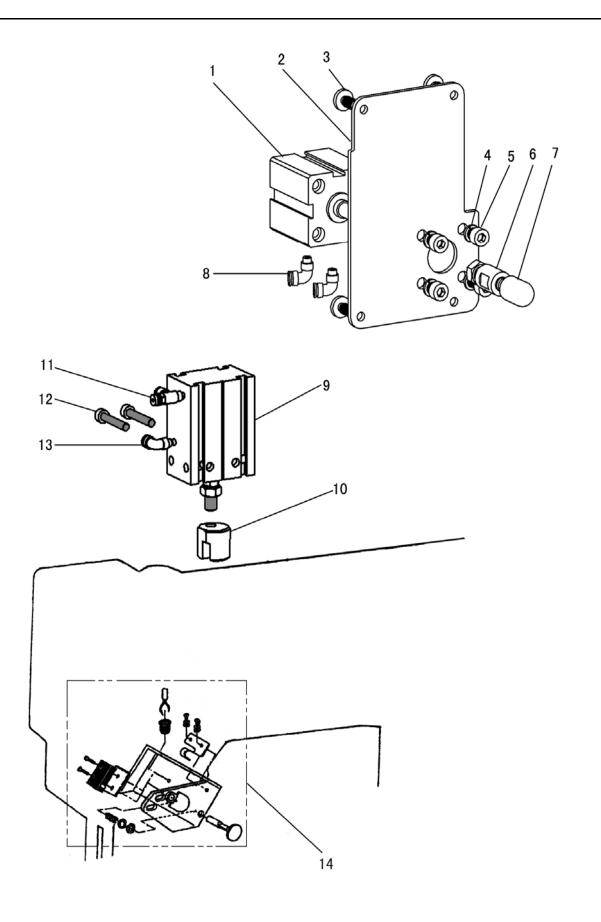
Fig. No.	Part No.	Description	Pcs.	Remarks
J01	H32175B304	Felt	1	
J02		Oil pipe complete	1	
Ј03	H3204K0011	Oil reservoir complete	1	
J04	H411040160	Screw	2	GB/T 819.1 M4×16
J05	H4707J8001	Holder	1	
J06	H7005J8001	Felt	1	
Ј07	H7007J7101	Oil pipe complete	6	
Ј08	H32311D606	Holder	4	
Ј09	HA106B0676	Screw	10	$SM9/64(40) \times 4.5$
J10	H3200K0170	Holder	4	
J11	H3200K0160	Holder	2	
J12		Oil wick Φ2.5×35	3	
J13	Н7020Ј8001	Pressing plate	1	
J14	H7021J8001	Sealed cushion	1	
J15	H2000M0180	The oil amount observes window	1	
J16	H2000M0190	Sealed cushion	1	
J17	H2000M0200	Pressing plate	1	
J18	H3107G0661	Screw	6	$SM11/64(40) \times 14$





K. ACCESSORIES

Fig. No.	Part No.	Description	Pcs.	Remarks
K01	JZDP1700G2303	Needle DP×17-23	6	DP×17-23
K02	HB01001030	Socket wrench	1	
К03	HB01001025	Socket wrench	1	
K04	HB01001015	Socket wrench	1	
K05	H2400I2020	Bobbin	4	B0-B872 (A)
K08	H200400065	Vibration preventing rubber	2	
К09	H200400066	Vibration preventing rubber	2	
K10	H2404K0654	Hinge complete	2	
K11	H2404K0655	Hinge complete	2	
K12	H2404K0656	Screw	4	
K13	H802080350	Screw	4	GB/T100 8×35
K14	730	O-type belt	1	
K15	H7013K8001	Oil pan A	1	
K16	H7014K8001	Oil pan B	1	
K17	H7009K8001	Machine cover	1	
K18	НАЗООЈ2210	Screw driver (small)	1	
K19	НА300Ј2200	Screw driver (middle)	1	
K20	НАЗООЈ2070	Screw driver (large)	1	
K21	HA704S0654	Adjusting plate for speed command disk	1	
K22	H3207L0065	Thread a needle kit	1	
K23	H3200L0130	Oil box	1	
K24	H3200L0120	Thread stand	1	
K25	НА100Ј2110	Oiler	1	
K26	H7112L8001	Cotton stand pipe	1	
K27	H200800068	Belt cover (upper)	1	
K28	HA300B2170	Screw	10	
K29	H7115L8001	Belt cover	1	
K30	H7123L8001	Belt cover stand	1	
K31	H7124L8001	Supporter	1	



L. PNEUMATIC CONTROL UNIT

Fig. No.	Part No.	Description	Pcs.	Remarks
L01	H4915B8001	Air cylinder	1	
L02		Plate	1	
L03	HA300B2170	Screw	4	
L04	H005008100	Washer	4	
L05		Screw	4	
L06		Pole	1	
L07		Feeler	1	
L08	H4916G8001	Joint	2	
L09		Air cylinder	1	
L10		Block	1	
L11		Valve	1	
L12		Screw		M5×30
L13	H4916G8001	Joint	1	M3 / 30
L13	HK70L47101	Touch switch complete	1	
		•		

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The description covered in this manual is subject to change for improvement of the commodity without notice