

GC24688Series

1-/2-Needle Post-Bed Compound-feed Lockstitch Industrial Sewing Machine

Instruction Manual Parts Catalog

SHANGHAI HUIGONG NO.3 SEWING MACHINE FACTORY

Abstract
1. PRECAUTION BEFORE STARTING OPERATION1
1) Safety precaution 1
2) Precaution before starting operation
3) Precaution for operating conditions
2. SPECIFICATIONS 1
3. PREPARATION BEFORE STARTING TO OPERATE2
1) Connection of control box2
2) Connection of pneumatic parts2
3) Oil pan3
4) Operation panel 4
5) Adjusting the needle stop position4
4. HOW TO USE THE MACHINE
1) Threading
2) Adjusting of the thread regulator
3) Adjusting of upper thread tension
4) Winding the lower thread
5) Threading the lower thread
6) Adjusting the lower thread tension
7) Installing the needle 7
8) Alternating presser foot movement amout
9) Adjusting the presser foot pressure
10) Adjusting the stitch length
11) Using the manual switches 8
12) Cleaning 9
13) Lubrication 9
14) Adjusting the trailing length after thread trimming
15) Back tacking 10
16) Adjusting the feed dog 10
17) Adjusting the needle bar height
18) Adjusting the gap between the needle and the rotary hook tip
20) Hook protection
20) Hook protection 13 21) Adjusting the needle and feed mechanism timing
21) Adjusting the freed and feed meenanism timing
22) Booth case file 23) Adjusting the presser foot height 15
24) Adjusting the alternating presser foot movement amout
25) Adjusting the presser foot timing
26) Driving knife adjustment ······ 17
27) Adjusting the thread trimming timing
28) Adjusting the fixed knife position and bobbin thread clamping
29) Safety clutch
PARTS CATALOG

1. PRECAUTIONS BEFORE STARTING 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 used, or when the operator leaves his/her seat.
- (3) The power must be turned off before tilting the machine head, installing or adjusting the machine, or when replacing.
- (4) Avoid placing fingers, hairs, bars etc. nears the pulley, bobbin winder pulley, when the machine is operation. Injury could result.
- (5) Do not insert fingers into the thread take-up cover, under/round the needle, or pulley when the machine is in operation.
- (6) If mini motor cover, finger guard, and/or eye guard are installed, do not operate the machine without these safety devices.

2) **Precaution before starting operation**

- (1) If the machine's oil pan has an oil sump, never operate the machine before filling it.
- (2) If the machine is lubricated by a drop oiler, never operate the machine before lubricating.
- (3) When a new sewing machine is first turned on, verify the rotational direction of the pulley with the power on. (The pulley should rotate counterclockwise when viewed from the pulley.)
- (4) Verify the voltage and (single or three) phase with those given on the machine nameplate.

3) Precaution for Operating Conditions

- (1) Avoid using the machine at abnormally high temperature $(35^{\circ}C \text{ or higher})$ or low temperatures $(5^{\circ}C \text{ or lower})$. Otherwise, machine failure may result.
- (2) Avoid using the machine in dusty conditions. Avoid using the machine in areas where too much electrical noise, resulted from the high-frequency welder and others is generated

2. SPECIFICATIONS

Item		GC24688-2-D	GC24688-1LD	GC24688-1RD								
Max. Speed		2400rpm										
Stitch length		0 to 9mm										
Needle bar stro	oke		34mm									
Presser foot	By hand		9 mm									
clearance	By knee		16 mm									
Rotating hook		Lar	ge vertical hook (1.6	times)								
Needle		DP×17 #18-#25										
Presser foot al	ternation		1-7mm									
Needle gauge	(mm)	8(Standard),10,12										
Auto presser f	oot lifter	Pneumatic						Pneumatic				
Oil lubrication	method	Automatic lubrication										
Motor			750W sevor motor									

3. PREPARATION BEFORE STARTING TO OPERATE

1) Connection of control box

If the machine which customer bought is not wholly assembled, the customer should connection the electrical wires and the air pipes by themselves. Shows as the Fig.1 and Fig.2

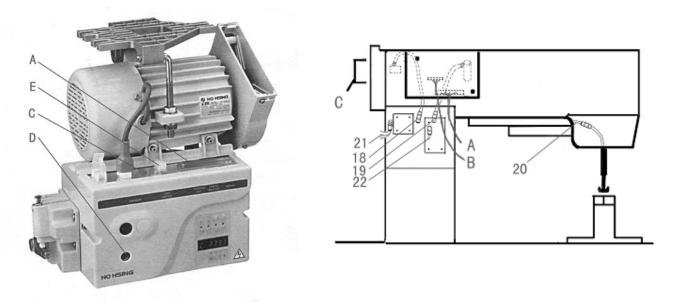


Fig. 1

Fig. 2

There are same connectors which need to connect to the machine from the control box:

A: machine function input, connect to the PCB board on the machine arm.

B: pass the valve signal from the PCB board to the magnet valve board.

C: needle position monitor input ,connect to the monitor on the machine arm.

D: operation panel input ,connect to the panel.

E: operation pedal input, connect to the pedal.

If there is any problems during connecting wires, please check the instruction book of HO HSING control box.

NOTICE: all the connects is unique with each other ,and if they can't match it ,please check whether you get the right one.

2)Connection of pneumatic parts

The pneumatic parts of the machine are controled by the magenet valves which assembled on the setting board, and the position where the setting board be assembled under the machine table should be decided by the length of the wires and the air pipes.

The pneumatic parts are composed by the filter **g** ,the solenoid valves $\mathbf{a} \sim \mathbf{f}$ and the cylinders they control The method of pneumatic parts connecting have been showed by Fig.3:

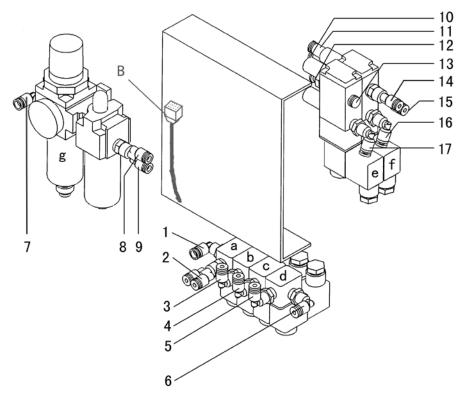


Fig.3

Here are the functions of the solenoid valves:

a: thread cutting b: thread tension c: press foot alternation d: material guider(just for double needle)e: back tacking f: press foot lift

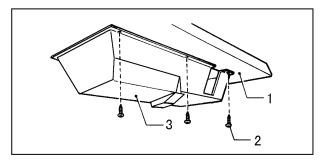
The pressed air come from air compressor go to the input join 7,after be filtered, the output 8 and 9 link to the inputs of the solenoid valves as follow:

1:connect to 8, pressed air input2:link to the cylinder of thread cutting (bidirectional)3:link to the cylinder of thread tension4:link to the cylinder of press foot alternation5:link to the cylinder of material guider6:connect to the joint 14 as the input of material guider10:connect to 9 as input for press foot lift 11:connect to 12 as the input of back tacking.13:plug15&16:link to the cylinder of press foot lift (bidirectional)

17:link to the cylinder of back tacking

When connecting the air pipes, please check the instruction mark of the solenoid joints at the setting board.

3) Oil pan



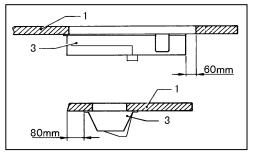




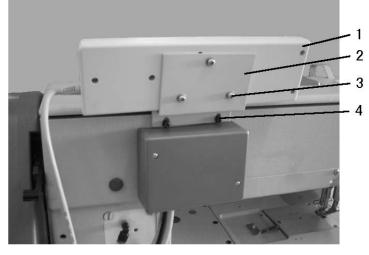
Fig.5

— 3 —

The installation of the oil pan is showed as the fig.4 and fig.5:

(1) Install the oil pan 3 to the underside of the worktable 1 in the place shown in the illustration using the nails 2.

(2) From front view, the oil pan 3 to the side is 60mm; from right view, the oil pan 3 to the side is 80mm.



4) Operation panel

Installe the operation panel As Fig.6 shows :

(1) Install the operation panel 1 to the set

plate 2 with the three screws 3.

Fig.6

(2) Install the set plate 2 to the back of the machine arm with the two screws 4.

5) Adjusting the needle stop position

(1) Adjusting the needle up stop position

When the sewing machine stops in the needle up stop position (the stop position of trimming) and the treadle is pressed back, the red mark on the pulley should be consistent with the mark on the belt cover A. Adjust as follows by Fig.7:

a. Turn off the power switch.

b. Loosen the screw 4, and then remove the cover 3.

c. When the red mark stops in a position over the mark on the belt cover, the needle up stop position disc 1 should be turned in the opposite direction as the direction

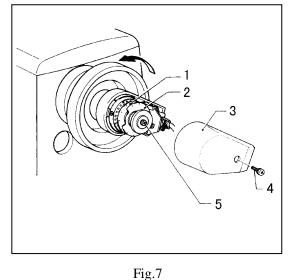
of machine pulley rotation. When the red mark stops in a position under the mark on the belt cover, Turn the disc 1 in the same direction as the pulley rotation direction.

(2) Adjusting the needle down stop position

When the sewing machine stops in the needle down stop position, the black mark on the pulley should be consistent with the mark on the belt cover A. Adjust as follows:

a. Turn off the power switch.

b. When the black mark stops in a position over the mark on the belt cover, the needle down stop position disc 2 should be turned in the opposite direction as the direction of machine pulley rotation. When the black



— 4 —

mark stops in a position under the mark on the belt cover, Turn the disc 2 in the same direction as the pulley rotation direction.

c. After adjusting, install the cover 3, with screw 4.

Note: There is no need to loose the screw 5, when turning the discs.

4. HOW TO USE THE MACHINE

1) Threading

Raise the thread take-up lever to its highest position and pass the upper thread in the following order.

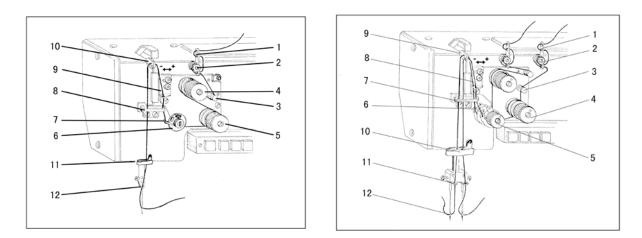


Fig.8

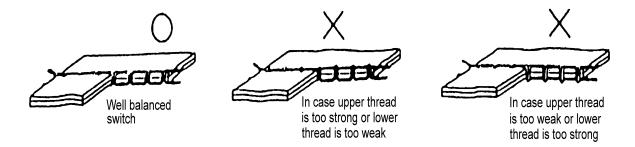


2) Adjusting of the thread regulator

The thread regulator 9 of Fig.8 (8 of Fig 9)regulates the amount of needle thread necessary for stitch formation. The setting depends on the following factors: material thickness, yarn characterisation and stitch length.

The thread regulator is fitted with slots for this purpose. Moving in the "+"direction increases the quantity of needle thread; Moving in the "-"direction reduces the quantity of needle thread.

3) Adjusting of upper thread tension





The thread tension should be as low as possible. The crossover point should be in the center of the material. Upper thread tension can be adjusted by thread tension nut 4 and 5 (see Fig.8 and Fig.9). Turn the thread tension nut clockwise to increase the needle thread tension. Turn the thread tension nut counter-clockwise to decrease the needle thread tension.

4) Winding the lower thread

Winding the lower thread as Fig.11 shows :

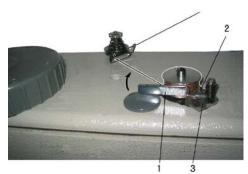
(1) Place the bobbin on the bobbin winder shaft.

(2) Pass the thread for winding thread as shown, and wind the end of the thread clockwise around the bobbin several times.

(3) Push the bobbin presser 1 toward the bobbin.

(4) The operation will automatically stop when winding is completed. The amount of thread wound onto the bobbin should be at 80% of the maximum bobbin capacity.

(5) After the thread has been wound on, remove the bobbin and cut the thread with the thread-trimming knife





5) Threading the lower thread

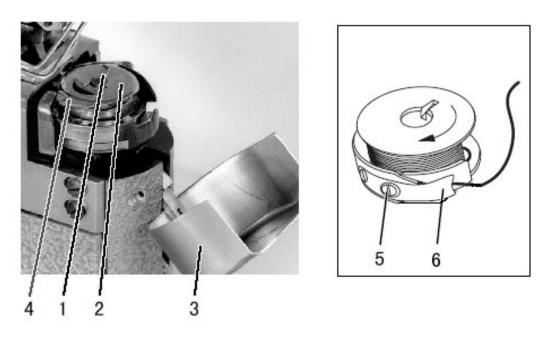


Fig.12

(1) Removing the empty looper-thread bobbin, be showed on Fig.12

Raise the setting foot, open shuttle cover 3, then , raise bobbin-housing flap 1 and remove upper part of bobbin-housing 2.So, you can remove empty looper-thread bobbin.

(2) Threading looper thread

Full bobbin 4 in the upper part of bobbin-housing 2 (When the thread is unwound the bobbin must rotate in the opposite direction (see arrow), then , drew looper thread through slit 5 beneath tensioning spring 6.

6) Adjusting the lower-thread tension

Open the shuttle cover first and adjust the tensioning spring 6 with regulating screw 5. If want to increase looper-thread tension, turn screw 5 clockwise and if want to decrease looper-thread tension, please turn screw 5 counter clockwise. After the adjustment ,close the shuttle cover.

Caution: The looper-thread tension may only be adjusted with the sewing machine switched off.

7) Installing the needle

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

As showed on Fig.13

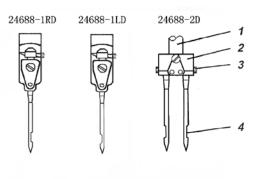
1) Turn the balance wheel by hand to raise the needle bar

1 to its highest position;

2) Loosen the needle clamping screw 3;

3) Hold the needles with the long groove face to the bobbin case of the same side , and insert it as deeply as it will go into the needle clamping holes.

4) Tighten the needle clamping screw3.





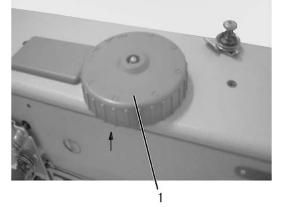
8) Alternating presser foot movement amount

The alternating movement amount for the inner presser foot and the outer presser foot can be adjusted within the range of 1-7 mm using the alternating presser foot movement dial 1. Turn the alternating presser foot movement dial 1 clockwise or counterclockwise to align the mark. (MIN. A, B, C, D, E, F MAX.) When the alternating movement change from MIN to MAX, the sewing speed will turn form 2000 rpm to 1700 rpm synchronously.

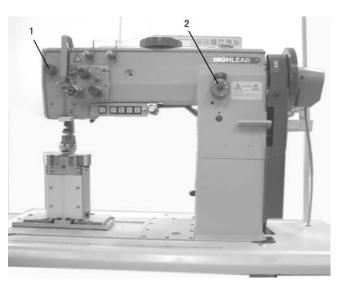
9) Adjusting the presser foot pressure

Look at Fig.15,

The presser foot pressure should be set as weak as possible, but strong enough so that the material can't slip out. If the presser-adjusting dial 1 is turned clockwise, the presser foot pressure will become stronger, and if it is turned counterclockwise, the pressure will become weaker.







10) Adjusting the stitch length

The feed adjustment dials 2 can be used to set stitch length. (See Fig.15) The sewing machine will switch between the two stitch lengths each time the stitch length change switch is pressed.

11) Using the manual switches

Be showed by Fig.16:

(1) Quick reverse switch

Back tacking is carried out during sewing only while the switch 1 is being pressed.

(2) Needle up or down switch

If the switch 2 is pressed, The needle will move up to the needle up stop position from down stop position or move down to the needle down stop position from up stop position.

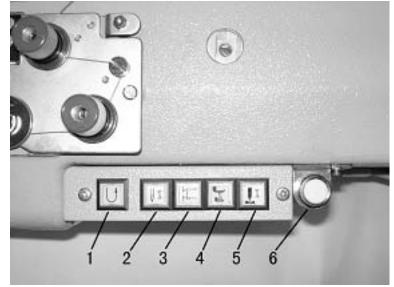


Fig.16

(3) Auto back tacking select switch

If the switch 3 is pressed when either start back tacking or end back tacking has been set to ON at the operation panel, back tacking is canceled for the first time only. Furthermore, if the switch 3 is pressed when neither starting nor end back tacking has been set, back tacking is carried out for the first time only.

(4) Alternating presser foot movement change switch

The sewing machine can be switched between two different alternating presser foot movement amounts each time when the switch 4 is pressed.

(5) Presser foot guider

The switch controls the cylinder of the presser foot guider and the status changed by each press of the buttom. OFF: Presser foot guider turn off; ON: Presser foot guider on.

(6) Stitch counter switch

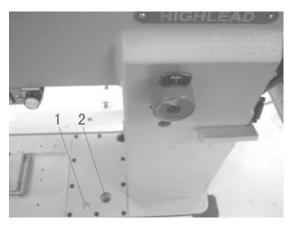
The orange light on the switch will flash and the machine will stop when the bobbin thread is used up. Push the switch one more time after change the bobbin. The sewing machine cannot run before the switch be pushed one more time. The stitch count should be set according to the stitch length and the count of the bobbin thread. (it is special order parts)

Notice: the switch is not work until the correlative functions of the control box are set. The functions please read the parameter 42, 43, 44 in the servo motor user manual.

- (1) The area around the feed dog and the hook should be cleaned every day.
- (2) Remove any thread scraps from inside the rotary hook.
- (3) Keep the control box clean.

13) Lubrication

(1) Check the oil level at the sight glass 2 of Fig.17 every week. If the oil is not enough, remove oil-filling screw 1 and pour in oil. Check oil level at sight glass 2. The oil level must be between "EMPTY" and "FULL". Replace oil-filling screw 1. After running for 500 hours since buying the new sewing machine, the oil must be changed. Then change the oil every two years.





- (2) Lubricating wicks and felt (see the Fig.19)
- a. The wick 1 leading from the oil sump to the oscillating crank 4 must be fixed between the groove 2 in the arm and the spring 3 of the recirculation wick.
- b. When the oil satchel is changed, the flock side should be faced to connecting plate 10. The oil wick 7 and 8 should be set between the oil satchel 9 and plate 8.

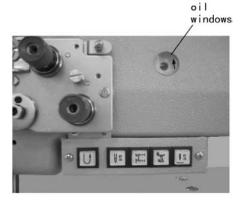
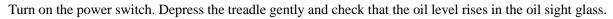
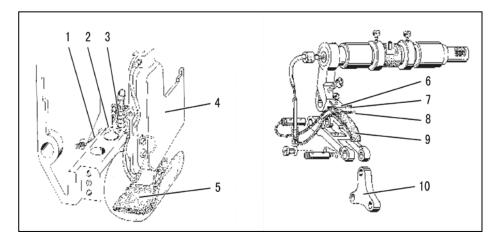


Fig.18

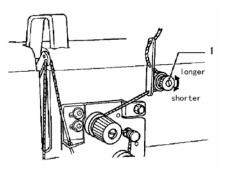
(3) Checking the lubrication oil







Look at Fig.20: adjust by turning the pre-tensioner . If the tension of the pre-tension is increased, the lengths of the threads trailing from the needle tips will be reduced; if the tension is reduced, the lengths will be increased.





15) Back tacking

When the reverse lever 1 or the quick reverse switch is pressed during sewing, the feed direction will be reversed. When it is released, the feed direction will return to normal.(Fig.21)

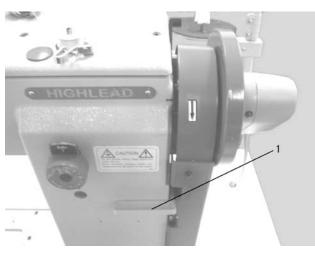
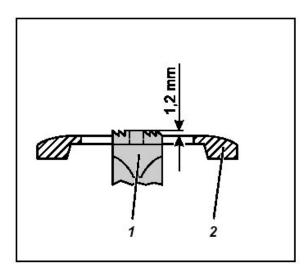
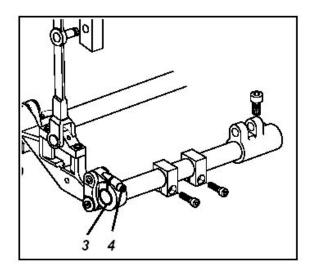


Fig.21

16) Adjusting the feed dog







— 10 —

Caution: Check and adjust height of the feed-dog only when sewing machine is switched off.

The checking and correction are showed by Fig.22

(1)Standard checking

The highest position of feed-dog 1 must be 1.2mm(approx. one tooth depth) above the throat plate level.

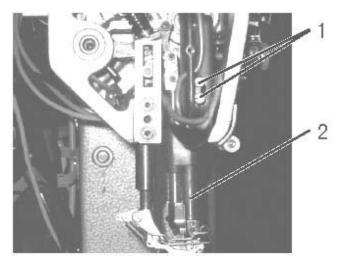
Set stitch length"0"(Turn button counter-clockwise as far as it will go).Then, turn handwheel until feed-dog 1

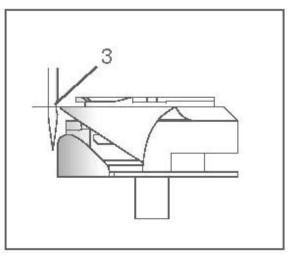
has reached its highest position, check the height of feed-dog 1 above throat plate level 2 $\,$

(2)Correction

Set stitch length "0",loosen clamping screw 4 at crank 3, and twist crank 3 in such a way that the highest position of feed-dog 1 is 1.2mm above throat plate 2,then tighten clamping screw 4 at last.

Attention: crank 3 must not be shifted axially when being turned.







17) Adjusting the needle bar height

Be showed by Fig.23:

In looping stroke position the hook tip must be at the level of the middle of the needle hollow groove 3.

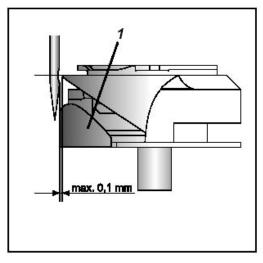
When the position is not correct ,follow the step below :

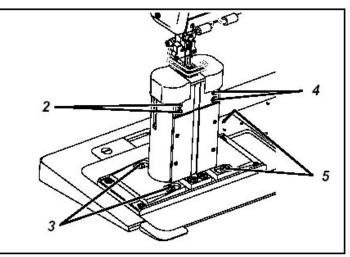
- (1) Remove the face plate.
- (2) Set the feed adjustment dials to "0".
- (3) Turn the pulley to set the needle bar 2 to its lowest position.

(4) Loosen the screw 1 and then move the needle bar 2 up and down to adjust so that the hook tip is at the level of the middle of the needle.

(5) Tighten the screw 1, install the face plate.

18) Adjusting the gap between the needle and the rotary hook tip







Look at Fig.24 and Fig.25:

The gap between the needle and the rotary hook tip 6 is 0.1 mm. check the position of the hook tip and the needle hollow groove ,if the position is not correct with the requirement ,adjust it as follow:

(1) Loosen the screws 2 (for left hook) screw 4(for right hook) of the throat plate.

(2) Loosen fastening screw 3(for left hook), fastening screw 5(for right hook) of the hook support.

(3) Shift hook support correspondingly.

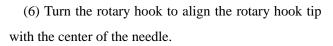
(4) Tighten the screws 3,5 and 2,4.

19) Adjusting of the needle and the hook timing

Look at Fig.26

- (1) Set the stitch length to "0".
- (2) Open the shuttle cover.
- (3) Overturn the arm.
- (4) Loosen the screw 1

(5) Turn the machine pulley to raise the needle bar from its low position to the point that the needle rises 2.4 mm.



(7) Tighten the screw 1.

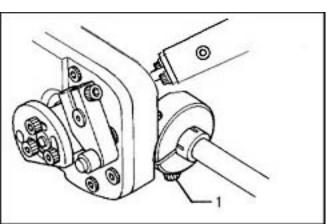


Fig.26

6



0.1 mm



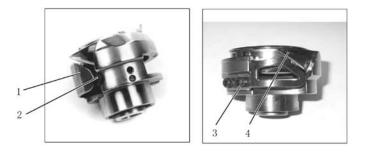


Fig.27

Be showed by Fig.27,in looping stroke position the needle must abut on the hook protection 1 without being displaced. Move needle in looping stroke position by pulley. In looping stroke position the hook tip 4 is at the level of the middle of the needle. Press needle against hook protection 1 manually. The needle should not touch the hook tip.the hook protection 1 chould be adjusted by screw 3.

21) Adjusting the needle and feed mechanism timing

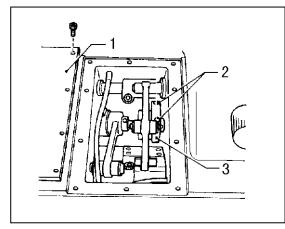
(1) Horizontal feed direction (showed by Fig.28)

Set the feed adjustment dials to the maximum settings. Then turn the machine pulley until the bobbin tip catches the thread (when the needle is 2.4mm above the lowest position) The needle and the feed dog do not move even when the reverse lever is moved up and down at this time.

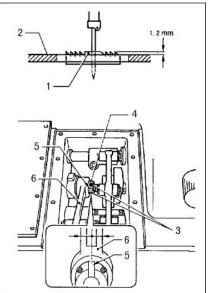
- a. Remove the bed upper cover 1.
- b. Set the feed adjustment dial to the maximum settings.
- c. Loosen the two screws 2.
- d. Turn the machine pulley until the needle is at its thread catching position.

e. Turn the lower feed cam 3 gradually until it is at the position where the needle and the feed dog do not move even when the reverse lever is moved up and down.

- f. Tighten the two screws 2.
- (2) Vertical feed direction(showed by Fig.29)





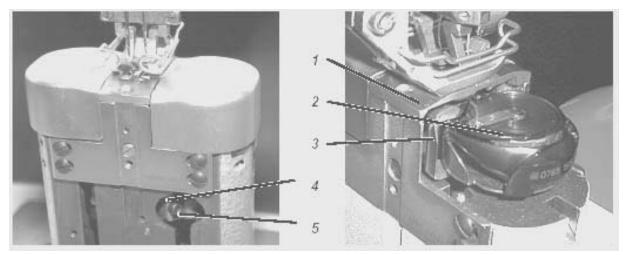




Set the feed adjustment dials to the minimum settings. Then adjust as follows so that the feed dog 1 is at its highest position (1.2mm above the top of the needle plate 2) when the needle bar is at its lowest position.

- a. Loosen the two screws 3
- b. Turn the machine pulley to set the needle bar to its lowest position.
- c. Turn feed cam 4 to align the point 5 of feed cam 4 with the centerline of feed rod 6
- d. Tighten the screws 3

22) Bobbin case lifter





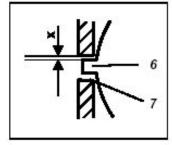


Fig.31

Look at Fig.30 and Fig.31, the thread lever must pull the needle thread over the bobbin case through gap 7 of the throat plate1.

At the moment of the thread slipping through lifting finger 3 lifts bobbin case 2.Due to the unhindered thread passage the desired seam pattern is achieved with the lowest possible thread tension.

The lifting finger 3 is controlled via the eccentric in the hook shaft and the control block 4.

Wrong adjustments may cause thread breakage, loops at the bottom side of the material and loud noise.

Checking: Lifting finger 3 must lift bobbin case 2 in such a way that the thread can slip laterally between bobbin case lug 6 and the gap of the throat plate without being hindered.

When bobbin case 2 is lifted ,the distance X between holding lug 6 and the gap of the throat plate must correspond to the thickness of the sewing thread. Sew some stitches manually, then check the distance x at the moment of the bobbin case lifting.

Adjustment: Screw off cover of the hook support, loosen clamping screw 5 at the control block 4,then,twist lifting finger 3 in such a way that the clearance in the lifting finger remains small. At last, tighten clamping screw 5 and screw on cover of the hook support.

If the lifting course is too small, it will no unhindered thread passage, if the lifting course is too small, it will cause loud noise and the bobbin case 5 will flung against the other side of the throat plate gap 7.

23) Adjusting the presser foot height(Fig.32)

The standard height of the outer presser foot 7 is 9 mm when it is raised by the presser lifter bar 1.

- (1) Remove the belt cover.
- (2) Loosen the presser adjusting screw, to release the presser foot pressure.
- (3) Raise the presser lifters bar 1 and then loosen the screw 3.
- (4) Move the outer presser bar up or down to adjust so that the height of the outer presser foot 7 is 9 mm.

(5) While the stopper pin 6 is touching against the notch B in the presser foot lifter connection 5 and while pushing the presser lifter shaft so that there is no play in the thrust direction, tighten the screw 2.

- (6) Turn the presser adjusting screw to adjust the presser foot pressure.
- (7) Install the belt guards.

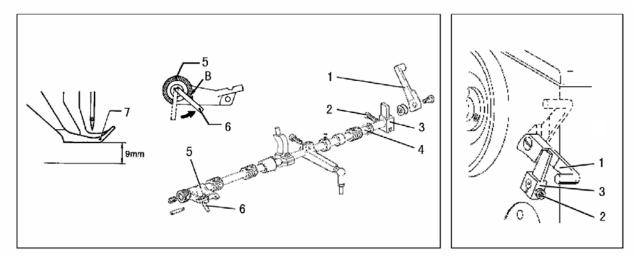
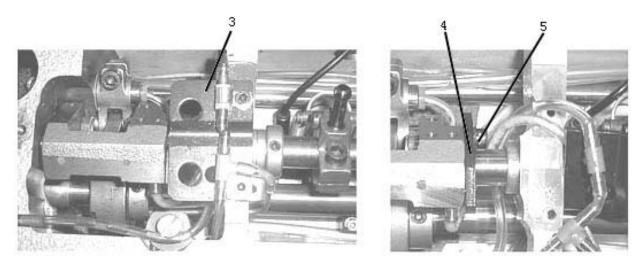


Fig.32

24) Adjusting the alternating presser foot movement amount(Fig.33&Fig.34)





Maximum alternating presser foot movement amount. Carry out the following adjustment to set the maximum alternating movement amounts for the inner presser foot 1 and outer presser foot 2 to the maximum of 7 mm.

From the library of: Diamond Needle Corp



Maximum 7 mm

b. Remove the adjusting bracket 3.

c. Loosen screw 5 of adjusting bracket collar 4.

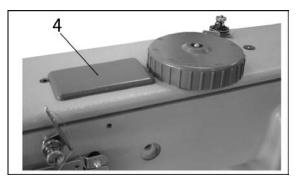
d. Adjust the adjusting bracket collar 4. If the adjusting bracket collar 4 is be installed at the highest position, the alternating presser foot movement amount is 1-6mm. If it is at the lowest position, the alternating presser foot movement amount is 1-7mm.

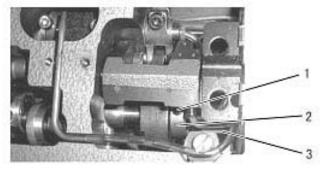
- e. Tighten the screw 5.
- f. Install the adjusting bracket 3.

g. Loosen the bolt 6 and turn connecting lever 7 to adjust so that the distance from the outer edge of the arm to the outer edge of the pin 7 is 78 mm at this time. Then tighten the bolt 6.(When installing the upper plate, set the alternating

presser foot movements dial to the "min." position.)

25) Adjusting the presser foot timing(Fig.35)







When the presser feet are lowered and the machine pulley is turned toward the user. The inner presser foot should touch the feed dog before the needle arrives at the feed dog. Then when the needle lifts up, the tip of the needle should move away from the feed dog before the inner presser foot moves away.

- (1) Remove the upper cover 4.
- (2) Loosen the two screws 1.
- (3) Turn the machine pulley until the needle tip and the feed dog's up face is the same plane.
- (4) Turn inner presser cam2 to adjust so that the point of inner presser cam is facing straight up.
- (5) Tight the screws 1.
- (6) When installing the upper plate 4, set the alternating presser foot movement dial to the "MIN." position.

26) Driving knife adjustment

In resting position the rear edge of the driving knife should be flush with the front edge of the counter-knife, which have been showed by Fig.36.





Fig.36

The fixed knife should abut on the thread pulling knife along its total width.

The pivoting driving knife should abut on the fixed knife after approx.1/3 of its width.

The driving knife must not collide with the bobbin case.(Fig.37)

The clearance between the lower blade edge of the driving knife **a** and the lower surface of the inner rotary hook **b** should be 0.3-0.4mm..

Checking:

In Fig.36,loosen two screws 1 for adjusting the resting position of the driving knife and adjust the knife according to the standard, then tighten screws 1.

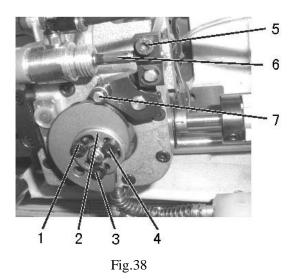
ATTENTION:

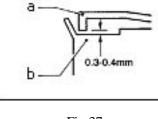
Check the axial clearance of the knife shaft when tightening the screws 1. The driving knife must be easily movable and the axial clearance as low as possible.

27) Adjusting the thread trimming timing(Fig.38)

Checking: The moment of knife swiveling is fixed by the position of the cam 2, When the thread lever is in position "up", the roller 7 should abut on the highest point of the cam 2

The roller should not touch the cam while sewing. The distance between roller and cam should amount to 0.1mm.



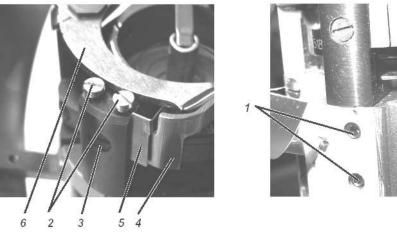




Adjustment: When adjust roller to cam, first, loosen screw 5 for adjusting the distance between roller and cam ,then twist piston rod 6 in order to adjust the distance, at last ,tighten screw 5.

Turn cam adjustment: Loosen screw 1,3 and 4 at the cam, then, twist cam 2 in such a way that the roller abut on the highest point of the cam when the thread lever is in position "up", at last tighten screws 1,3 and 4 again.

28) Adjusting the fixed knife position and bobbin thread clamping(Fig.39)





Checking:

The clamping spring 5 has the function to hold the cut bobbin thread in order to avoid skipped stitches at the seam beginning.

Fixed knife 4 and driving knife 6 must be in parallel position standing under a slight cutting pressure.

Parallel position correction

Loosen screw 3 slightly for adjusting the parallel position of thread pulling knife 6 and counter-knife 4, then change counter-knife 4 by setting the screws 2 in such a way that the edges of thread pulling knife and counter-knife are in parallel position. Tighten screw 3 at last.

Cutting pressure adjustment

The knives should guarantee a safe cut at the lowest possible pressure of the counter-knife against the thread pulling knife. This is normally the case when the edge of the counter-knife just touches the thread pulling knife with a knife overlapping of 1/3.

Loosen screws1, then turn counter-knife support in such a way that the condition is fulfilled, at last , tighten screw 1.

Clamping adjustment

Slightly bend the bobbin thread clamp for correcting the clamping and make a test cut by hand and check the thread clamping.

29) Safety clutch(Fig.40)

The standard safety clutch 2 in the lower toothed belt wheel protects the hook from being displaced or damaged in case of thread jamming in the hook path. When the hook is blocked, the safety clutch 2 must come out.

(1) Set free blocked hook.

(2) Stick a pin in drill-hole 1 of the outer clutch disc.

(3) Turn the pulley until the pin can be stuck in the drill-holes of both clutch parts.

(4) Turn the pulley forwards and backwards until the hook is freely movable again.

(5) Pull out pin.

(6) Hold down hook and turn the pulley until safety

clutch 2 engages.

Adjust transmittable torque

Standard checking

The supplier by means of a torque spanner should adjust the torque transmittable from safety clutch.

(1) Loosen counter-nuts 3.

(2) Adjust torque

(3) Tighten counter-nuts 3 again.

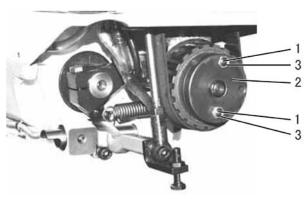
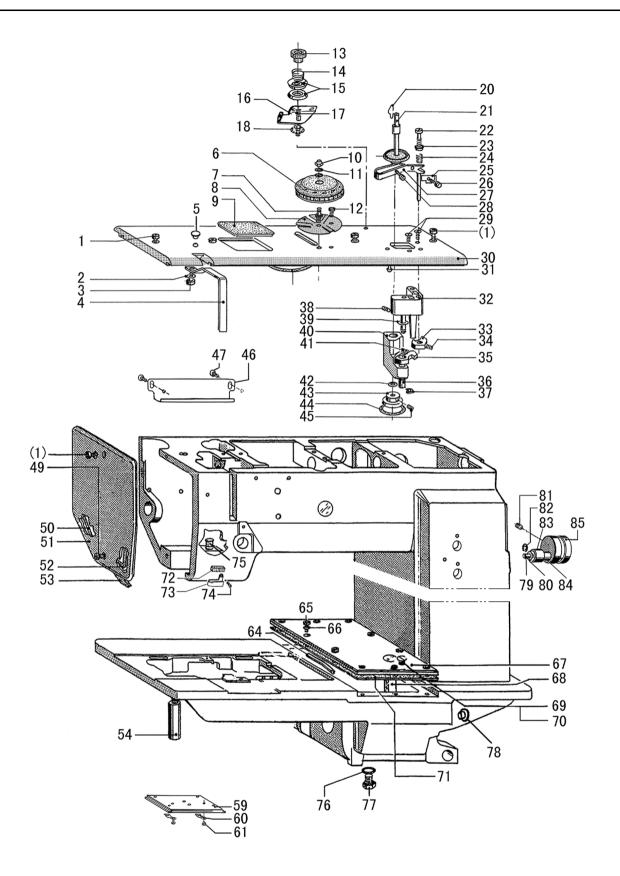


Fig.40

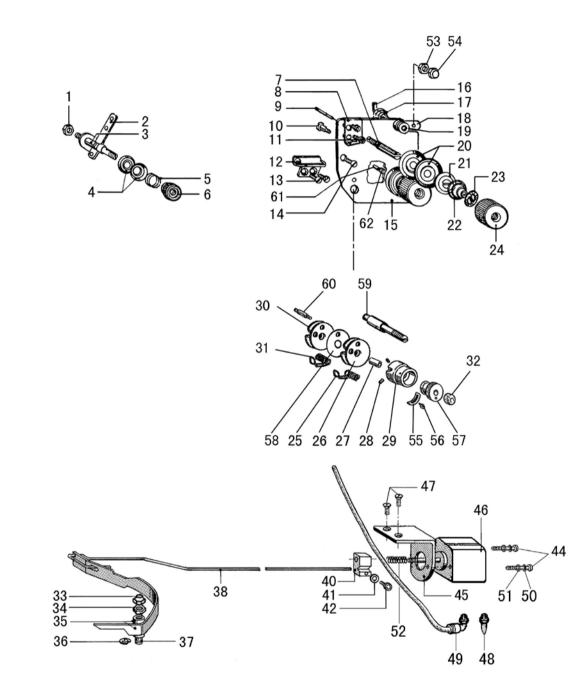


A.ARM BED AND ITS ACCESSORIES

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
A01	HF914B8001	Screw M5×12	5	5	5	
A02	H005001040	Washer	1	1	1	
A03	H415040080	Screw	1	1	1	M4×8
A04	HF927B8001	Thread take-up cover	1	1	1	
A05	HF930B8001	Plug	1	1	1	
A06	HF933B8001	Dial	1	1	1	
A07	HF935B8001	Dial shaft	1	1	1	
A08	HF936B8001	Guard plate	1	1	1	
A09	HF931B8001	Cover	1	1	1	
A10	H003045040	Hexagonal nut	1	1	1	M4
A11	H005001040	Washer	1	1	1	
A12	H401040060	Screw	1	1	1	M4×6
A13	HA710B0671	Pre-tension adjusting nut	1	1	1	
A14	H6739B8001	Thread tension spring	1	1	1	
A15	HA310B0705	Thread tension discs	2	2	2	
A16	H6736B8001	Thread guide	1	1	1	
A17	HF974B8001	Thread tension stud	1	1	1	
A18	H4728H8001	Washer	1	1	1	
A20	HF965B8001	Fixing clamp	1	1	1	
A21	HF964B8001	Winder shaft	1	1	1	
A22	H401030120	Screw	1	1	1	M3×12
A23	HF952B8001	Disc	1	1	1	
A24	H5731F8001	Presser spring	1	1	1	
A25	HF954B8001	Knife	1	1	1	
A26	H401030040	Screw	1	1	1	M3×4
A27	HF947B7101	Release lever	1	1	1	
A28	H401030120		1	1	1	M3×12
A29	H403040080		2	2	2	M4×8
A30	HF921B7101		1	1	1	
A31	H901030080		1	1	1	
A32	HF942B7101		1	1	1	
A33	HF944B8001		1	1	1	
A34	H431050060		1	1	1	M5×6
A35	HF958B8001		1	1	1	
A36	HF955B8001		1	1	1	
A37		E-type stop ring 3.5	1	1	1	
A38	HA300E2110		1	1	1	
A39	HF957B8001		1	1	1	
A40	HF960B8001		1	1	1	
A41	HF959B8001		1	1	1	
A42	HF966B8001		2	2	2	
A43	HF967B8001		1	- 1	-	

A.ARM BED AND ITS ACCESSORIES

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
A44	HF969B8001	Rubber ring	1	1	1	
A45	H431050050	Screw	1	1	1	M5×5
A46	HF999B8001	Cord cover	1	1	1	
A47	H7331G8001	Screw	1	1	1	
A49	HF915B8001	Screw M5×12	1	1	1	
A50	HF918B8001	Bar	1	1	1	
A51	HF913B8001	Face plate	1	1	1	
A52	HF919B8001	Bar	1	1	1	
A53	HF920B8001	Oil pillow	1	1	1	
A54	HF998B8001	Leg	1	1	1	
A59	HF985B8001	Slide Plate	1	1	1	
A60	HF986B8001	Spring for slide plate	2	2	2	
A61	H401020025	Screw	2	2	2	M2×2.5
A64	HF938K8001	Pipe	1	1	1	
A65	HF914B8001	Screw M5×12	10	10	10	
A66	HF997B8001	Gasket	10	10	10	
A67	HF991B8001	Cover	1	1	1	
A68	HF992B8001	Oil indicator	1	1	1	
A69	HF993B8001	Screw	1	1	1	
A70	HF994B8001	Gasket	1	1	1	
A71	HF995B8001	Gasket	1	1	1	
A72	H3108B0692	Felt	1	1	1	
A73	H3108B0691	Thread guide	1	1	1	
A74	HF938C8001	Screw	1	1	1	
A75	HA307B0674	Rubber plug	1	1	1	
A76	HF90AB8001	Gasket	2	2	2	
A77	100010	Screw	1	1	1	M10×1
A78	HG605H8001	Rubber plug	1	1	1	
A79	HF981I8001	Pin	1	1	1	
A80	H7335C8001	Washer	2	2	2	
A81	H428080120	Screw	1	1	1	M8×12
A82	H007013060	E-type stop ring 6	1	1	1	
A83	628ZZ	Bearing	2	2	2	
A84	HF980I8001	Spacer	1	1	1	
A85	HF979I8001	Belt tensioner	1	1	1	

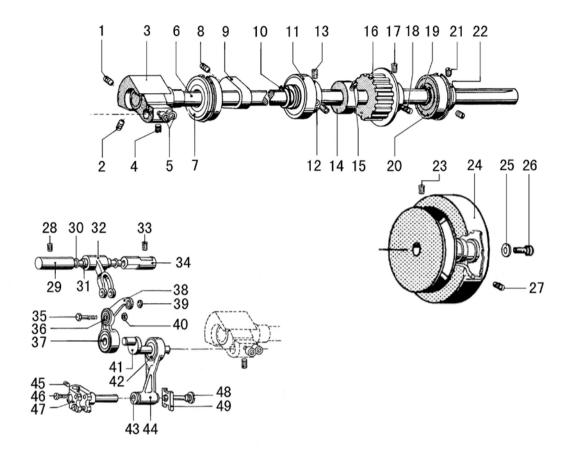


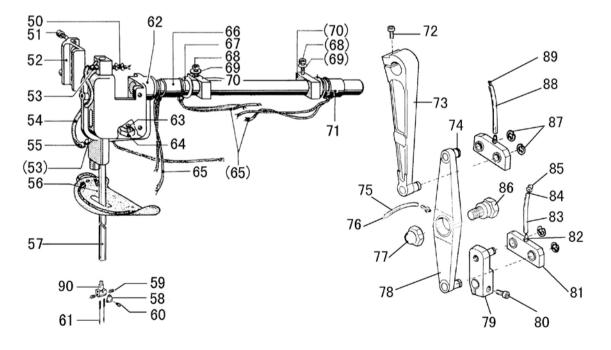
B.THREAD TENSION REGULATOR MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
B01	H003002050	Nut	2	1	1	M5
B02	HF930C8001	Thead hook	2	1	1	
B03	HF929C8001	Thread tension stud	2	1	1	
B04	HA112B0693	Thread tension discs	2	1	1	
B05	HA710B0672	Tension spring	2	1	1	
B06	HA710B0671	Tension adjusting nut	2	1	1	
B07	H3221B0686	Thread tension stud	1	1	1	
B08	HF917C8001	Thread guide	1	1	1	
B09	H3221B6817	Thread tension releasing pin	1	2	2	
B10	H3221B6811	Shoulder screw	2	2	2	
B11	H7316B8001	Screw	2	2	2	
B12	HG005C8001	Thread guide	1			
B12	HF925C8001	Thread guide		1	1	
B13	H7322B8001	Screw	2	2	2	
B14	H7316B8001	Screw	2	2	2	
B15	HF905C8001	Tension plate	1	1	1	
B16	HF923C8001	Rod	1	1	1	
B17	HF924C8001	Sping	1	1	1	
B18	HF915C8001	Tension release plate	1	1	1	
B19	HF916C8001	Thread guide	1	1	1	
B20	HA310B0705	Tension discs	4	4	4	
B21	HA310B0702	Tension release discs	2	2	2	
B22	HA115B0703	Tension spring	1	1	1	
B23	HA115B7010	Stopper	2	2	2	
B24	HA310B0701	Tension nut	2	2	2	
B25	H4712C8001	Thread take-up spring	1			
B26	H32481BF21	Plate complete	1	1	1	
B27	H32481B821	Bushing	1			
B28	H32481B521	Screw	2			
B28	H431050050	Screw		1	1	
B29	H32481B621	Take-up spring guide	1			
B30	H32481BD21	Plate complete	1	1	1	
B31	H4713C8001	Thread take-up spring	1	1	1	
B32	H32481B721	Thumb nut	1	1	1	
B33	H003045050	Nut	1	1	1	M5
B34	H003002050	Nut	1	1	1	M5
B35	HF918C8001	Release lever	1	1	1	
B36	H007013050	E-type stop ring 5	1	1	1	
B37	HF919C8001	Bolt	1	1	1	
B38	HF921C8001	Hook	1	1	1	
B39	H4710C8001	Tension spring	1	1	1	
B40	HG110C8001	Block	1	1	1	
B41	H005001040	Washer	1	1	1	

B.THREAD TENSION REGULATOR MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
B42	H415040080	Screw	1	1	1	M4×8
B43	HF927I8001	Washer	1	1	1	
B44	H415040350	Screw	2	2	2	M4×35
B45	HF906C8001	Magnet support	1	1	1	
B46	HG107C8001	Pump	1	1	1	
B47	H403050120	Screw	2	2	2	M5×12
B48	HG108C8001	Silencer	1	1	1	
B49	HF937E8001	Coupling	1	1	1	EPL-04 M5
B50	H005009040	Spring Washer	2	2	2	
B51	H005001040	Washer	2	2	2	
B52	H3100G2050	Spring	1	1	1	
B53	H003002040	Nut	1	1	1	
B54	H003045040	Nut	1	1	1	
B55	H32481BB21	Stopper	1			
B56	H32481BC21	Screw	1			
B57	H32481B921	Thread tension post	1			
B58	H32481BE21	Plate complete	1			
B59	HG008C8001	Thread tension stud	1			
B59	H4805C8001	Thread tension stud		1	1	
B60	HG007C8001	Screw	1			
B60	H4804C8001	Screw		1	1	
B61	HG009C8001	Tension release discs	1			
B62	H3221B0689	Thread tension stud	1			





C.ARM SHAFT MECHANISM

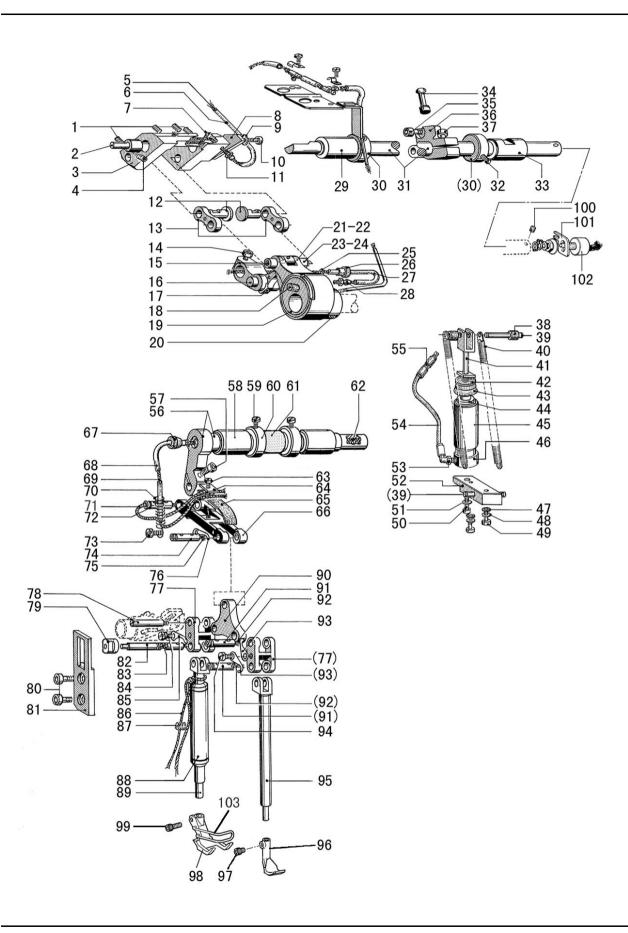
C01 11/71500			1LD	1RD	Remarks
C01 H6715C8	01 Screw	1	1	1	
C02 H431060	80 Screw	1	1	1	M6×8
C03 HF907D8	01 Crank	1	1	1	
C04 H431060	50 Screw	1	1	1	M6×6
C05 HF914B8	01 Screw	2	2	2	
	01 Upper shaft	1	1	1	
	52 Ball bearing(L)	1	1	1	
	00 Screw	1	1	1	M8×10
	01 Counterweight	1	1	1	
	00 Retainer ring	1	1	1	
	01 Ball bearing(M)	1	1	1	
	01 Bushing	1	1	1	
	50 Screw	2	2	2	M6×6
	01 Bobbin winder driving wheel	1	1	1	
	00 Screw	2	2	2	M6×10
	01 Belt pulley(U)	1	1	1	
	80 Screw	1	1	1	M6×8
	00 Screw	1	1	1	M6×10
	00 Retainer ring	1	1	1	
	01 Ball bearing(R)	1	1	1	
	80 Screw	2	2	2	M6×8
	01 Bushing	1	1	1	
	00 Screw	1	1	1	M6×10
	01 Pulley	1	1	1	
	80 Washer	1	1	1	
	50 Screw	1	1	1	M8×25
	00 Screw		1	1	M6×10
	60 Screw	1	1	1	M5×6
	01 Thread take-up pin	1	1	1	
	01 Gasket	2	2	2	
	01 Needle bearing	2	2	2	
	01 Thread take-up support	1	1	1	
	60 Screw	1	1	1	M5×6
	01 Thread take-up pin bushing	1	1	1	
	01 Support screw	1	1	1	
	01 Bearing	1	1	1	
	01 Bearing	1	1	1	
	01 Thread take-up lever	1	1	1	
	01 Bushing 40 Nut	1	1	1	M4
		1	1	1	1414
	01 Thread take-up crank	1 2	1	1 2	
	01 Bearing 01 Bushing	2	2 1	2	

C.ARM SHAFT MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
C44	HF922G8001	Needle bar link	1	1	1	
C45	H431030050	Screw	1	1	1	M3×5
C46	H401040100	Screw	2	2	2	M4×10
C47	HF924G8001	Needle bar holder	1	1	1	
C48	HF928G8001	Threaded bolt	1	1	1	
C49	HF927G8001		1	1	1	
C50		Oil wick(Short)	1	1	1	
C51	H415040100		2	2	2	M4×10
C52	HF933G8001	-	1	1	1	
C53		Oil feeding pipe	2	2	2	
C54	HF936G8001		1	1	1	
C55		Oil wick(Long)	1	1	1	
C56	HF940G7101		1	1	1	
C57 C57	HG005G8001 HF970G8001		1	1	1	
C57	HG007G8001		1	1	1	
C58	HG007G8001 HF971G8001	-	1	1	1	
C59	H428030030	-	2	1	1	M3×3
C60	HG008G8001		1	1	1	1413~5
C60	HF972G8001		1	1	1	
C61	JZDP1700P23		2	1	1	
C62		Needle bar bracket	1	1	1	
C63	H403040100		1	1	1	M4×10
C64	HF943G8001		1	1	1	
C65	HF947G8001	Oil wick	3	3	3	
C66	HF927E8001	Bushing(L)	1	1	1	
C67	HF968G8001	Support disc	2	2	2	
C68	H415040120	Screw	2	2	2	M4×12
C69	H005001040	Washer	2	2	2	
C70	HF965G8001	Collar	2	2	2	
C71	HF924E8001	Bushing(R)	1	1	1	
C72	H415060200	Screw	1	1	1	M6×20
C73		Upper feed connecting rod	1	1	1	
C74		Shoulder screw	4	4	4	
C75	HG130G8001		1	1	1	
C76	HG131G8001		1	1	1	
C77	H003045080		1	1	1	
C78	HG125G7101	-	1	1	1	
C79		Connecting lever	1	1	1	
C80	H415060160		1	1	1	M6×16
C81	HF952G7101		2	2	2	
C82	HF956G8001	-	3	3	3	
C83	HF957G8001	Oil pipe	1	1	1	

C.ARM SHAFT MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
C84	HF958G8001	Oil wick	1	1	1	
C85	HF959G8001		1	1	1	
C86	HG127G8001		1	1	1	
C87	H007013080	E-type stop ring 8	4	4	4	
C88	HG130G8002	Oil pipe	1	1	1	
C89	HG131G8002		1	1	1	
C90	HG006G8001	Collet	1			



D.UPPER FEED LIFTING ROCK SHAFT MECHANISM

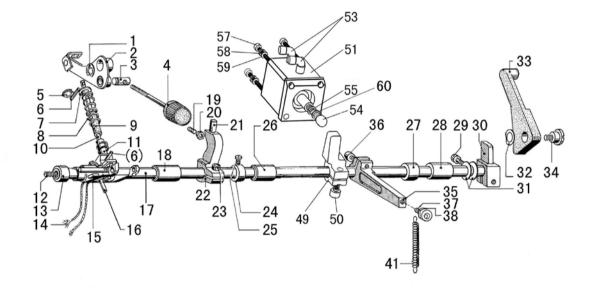
Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
D01	H428050080	Screw	4	4	4	M5×8
D02	HF919E8001	Support pin	1	1	1	
D03	HF906E8001	Adjusting bracket(L)	1	1	1	
D04	H428050080	Screw	1	1	1	M5×8
D05	HF912E8001	Oil wick	1	1	1	
D06	HF911E8001	Oil pipe	1	1	1	
D07	HF908E8001	Oil wick	2	2	2	
D08	HF913E8001	Plate	1	1	1	
D09	H005018050	Washer	1	1	1	
D10	H415050100	Screw	1	1	1	M5×10
D100	H431040040	Screw	1	1	1	M4×4
D101	HF987E8001	Holder	1	1	1	
D102	HF922E8001	Potentiometer control	1	1	1	
D11	HF956G8001	Oil joint	1	1	1	
D12	HF917E8001	Link pin	2	2	2	
D13	HF916E8001	Link	2	2	2	
D14	H415060200	Screw	1	1	1	M6×20
D15	HF951E8001	Connecting lever(R)	1	1	1	
D16	HF956E8001	Pin	1	1	1	
D17	HF953E7101	Link(R)	1	1	1	
D18	HA104D0652	Plug	1	1	1	
D19	HF942E8001	Inner presser cam	1	1	1	
D20	H428060060	Screw	2	2	2	M6×6
D21	HF946E8001	Inner presser rod	1	1	1	
D22	HF947E8001	Bearing	1	1	1	
D23	HF948E8001	Rod pin	1	1	1	
D24	HF949E8001	Oil wick	1	1	1	
D25	HF960E8001	Oil wick	1	1	1	
D26	HF961E8001	0	1	1	1	
D27	HF959E8001	Oil pipe	1	1	1	
D28	HF956G8001	-	1	1	1	
D29	HF924E8001	Bushing(L)	1	1	1	
D30	HF923E8001		2	2	2	
D31		Adjusting shaft	1	1	1	
D32	H431050050	Screw	2	2	2	M5×5
D33	HF927E8001		1	1	1	
D34	HF928E8001	-	1	1	1	
D35	H415050120		1	1	1	M5×12
D36	HF926E8001		1	1	1	
D37	H415060200		1	1	1	M6×20
D38	HF940E8001	-	2	2	2	
D39	HF914E8001		2	2	2	
D40	HF918E8001	Spring	2	2	2	

D.UPPER FEED LIFTING ROCK SHAFT MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
D41	HF933E8001	Draught rod	1	1	1	
D42	HF936E8001	Disc	1	1	1	
D43	HF935E8001	Gasket	1	1	1	
D44	HF934E8001	Piston	1	1	1	
D45	HF931E8001	Pipe	1	1	1	
D46	HF932E8001	Cylinder base	1	1	1	
D47	HF997B8001	Gasket	2	2	2	
D48	H005001050	Washer	2	2	2	
D49	H415050180	Screw	2	2	2	M5×18
D50	H415040160	Screw	1	1	1	M4×16
D51	H005001040	Washer	1	1	1	
D52	HF943E8001	Spacer	1	1	1	
D53	HF937E8001	Coupling(S)	1	1	1	
D54	HF938E8001	Hose	1	1	1	
D55	HF939E8001	Coupling(L)	1	1	1	
D56	HF962E7101	Shaft	1	1	1	
D57	H415040120	Screw	1	1	1	M4×12
D58	HF924E8001	Bushing	2	2	2	
D59	H402050080	Screw	2	2	2	M5×8
D60	HF923E8001	Collar	2	2	2	
D61	HF970E8001	Sponge	1	1	1	
D62	HF964E8001	Oil wick	1	1	1	
D63	H415030060	Screw	1	1	1	M3×6
D64	HF974E8001	Plate	1	1	1	
D65	HF973E8001	Oil satchel	1	1	1	
D66	HF972E8001	Draught rod	1	1	1	
D67	HF961E8001	Plug	1	1	1	
D68	HF983E8001	Oil pipe	1	1	1	
D69	HF984E8001	Oil wick	1	1	1	
D70	HF982E8001	Spring	1	1	1	
D71	HF986E8001		1	1	1	
D72	HF977E8001	Pin	1	1	1	
D73	H401040040		1	1	1	M4×4
D74	HF977E8001	Pin	1	1	1	
D75	HF978E8001		1	1	1	
D76	HF979E8001	Stopper claw	1	1	1	
D77	HF925F8001	Joint	1	1	1	
D78	HF926F8001	Pin	1	1	1	
D79	HF933F8001	Slide block	1	1	1	
D80	HF914B8001	Screw	2	2	2	
D81	HF934F8001	Guide	1	1	1	
D82	HF928F8001	Pin	1	1	1	
D83	HF930F8001	Oil wick	1	1	1	

D.UPPER FEED LIFTING ROCK SHAFT MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
D84	HF932F8001	Screw	1	1	1	
D85	HF979E8001	Stopper claw	1	1	1	
D86	HF939F8001	Oil wick	1	1	1	
D87	H431050100	Screw	1	1	1	M5×10
D88	HF940F8001		1	1	1	
D89		Outer presser bar	1	1	1	
D90		Presser connecting plate	1	1	1	
D91		Connecting pin	2	2	2	
D92	HF978E8001		2	2	2	
D93	HF979E8001		2	2	2	
D94	H401040040		1	1	1	M4×4
D94 D95		Inner presser bar	1	1	1	
D95 D96		Inner presser foot assy	1	1	1	
D96		Inner presser foot assy	1	1	1	
D90 D97	HF959F8001 H428040080		1	1	1	
D97 D97	HF960F8001		1	1	1	
D97 D98		Outer presser foot assy	1	1	1	
			1	1	1	
D98		Outer presser foot assy	1	1	1	
D99 D99	H415040100 HF944F8001		1	1	1	



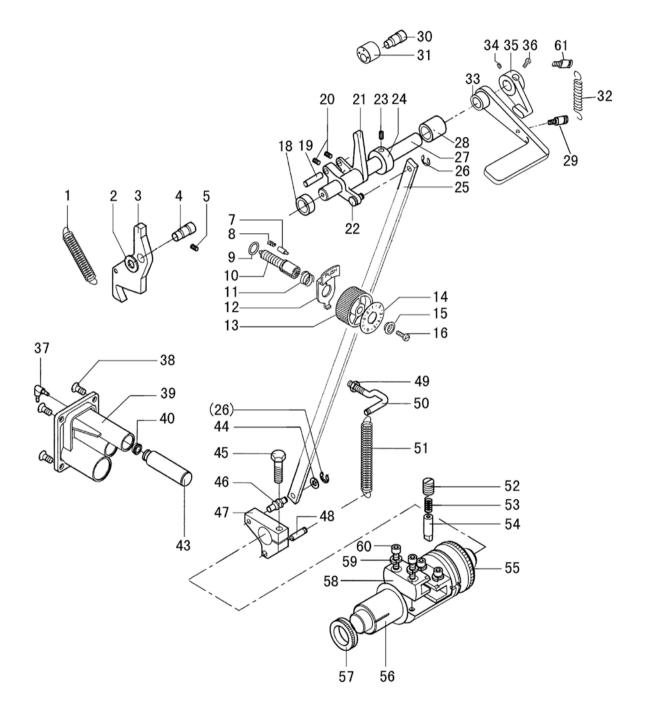
E.PRESSER FOOT ADVANCE MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
E01	H007013080	E-type retaining ring 8	1	1	1	
E02	HF965F7101	Press adjusting plate assy	1	1	1	
E03	HF963F8001	Pin	1	1	1	
E04	HF961F7101	Press adjusting dial	1	1	1	
E05	H007013050	E-type retaining ring 5	1	1	1	
E06	H612030080	Spring pin	2	2	2	
E07	HF976F8001	Spring support (U)	1	1	1	
E08	HF972F8001	Spring	1	1	1	
E09	HF975F8001	Hose	1	1	1	
E10	HF973F8001	Shaft	1	1	1	
E11	HF974F8001	Spring support (D)	1	1	1	
E12	H428080120	Bolt	1	1	1	M8×12
E13	HF905F8001	Press-foot lifter shaft bush(L)	1	1	1	
E14	HF922F8001	Oil wick	1	1	1	
E15	HF919F7101	Press-foot lifter connection assy	1	1	1	
E16	H605050320	Pin	1	1	1	
E17	HF904F8001	Press bar lifter shaft	1	1	1	
E18	HF906F8001	Spreader shaft bush(L2)	1	1	1	
E19	H424050160	Set screw	1	1	1	
E20	H003002050	Nut	1	1	1	
E21	HF997F8001	Stopper	1	1	1	
E22	HF996F8001	Crack	1	1	1	
E23	H415060160		1	1	1	M6×16
E24	HF910F8001	Set screw collar	1	1	1	
E25	H401050060	Screw	1	1	1	
E26	HF907F8001	Bushing(R)	1	1	1	
E27	HF909F8001	-	1	1	1	
E28	HF908F8001		1	1	1	
E29	H415060200		1	1	1	M6×20
E30	HF913F8001		1	1	1	
E31	HF915F8001		2	2	2	
E32	H005014080		1	1	1	
E33	HF916F8001		1	1	1	
E34	HF917F8001		1	1	1	
E35	HF980F8001		1	1	1	
E36	H415060160		1	1		M6×16
E37	H415050250		1	1	1	M5×25
E38	H003002050		2	2		M5
E41	HG119F8001		1	1	1	
E46	H104060250		1	1		M6×25
E47		Knee lifter plate	1	1	1	
E48	H7316E8001		1	1	1	
E49	HF90IF8001	Crack	1	1	1	

— 35 —

E.PRESSER FOOT ADVANCE MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
E50 E51 E53 E54 E55 E57 E58 E60	HF91IF8001 HF912M8001 HF91BF8001 H005008060 H415040550 H005008040 H005004040	Windpipe jiont Coupling Spring Washer Screw Spring Washer	1 1 2 1 4 4 4 1	1 1 2 1 4 4 4 1	1 1 1 4 4 1	SDA32×20 EPL4-01 φ4-1/8"

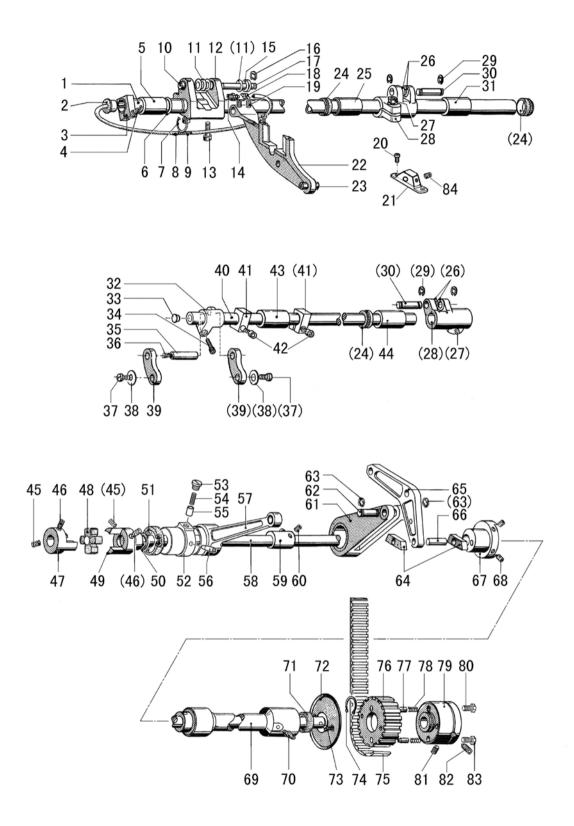


F.STITCH REGULATOR MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
F01	HF925H8001	Spring	1	1	1	
F02	HF924H8001	Washer	1	1	1	
F03	HG108H8001	Feed adjusting arm	1	1	1	
F04	HF923H8001	Pin	1	1	1	
F05	H431050080	Bolt	1	1	1	M5×8
F07	HA700F2030	Positioning pin	1	1	1	
F08	H3200F2110	Spring	1	1	1	
F09	HA109F0674	O ring	1	1	1	
F10	HF914H8001	Feed adjusting screw (short)	1	1	1	
F11	HA720F0687	Spring	1	1	1	
F12	HA720F0683	Support plate	1	1	1	
F13	HA7421F120	Feed adjusting dial	1	1	1	
F14	HF909H8001	Feed adjusting dial plate(L)	1	1	1	
F15	HA720F0685	Bushing	1	1	1	
F16	HA720F0686	Screw	1	1	1	
F18	HF928H8001	Reverse shaft bushing(L)	1	1	1	
F19	HF932H8001	Pin	1	1	1	
F20	H428060080	Bolt	2	2	2	M6×8
F21	HF930H8001	Reverse stitching arm(U)	1	1	1	
F22	HF934H8001	Pin	1	1	1	
F23	H428060060		1	1	1	Мб×б
F24	HF927H8001		1	1	1	
F25	HG110H8001		1	1	1	
F26		E-tpye retaining ring 5	2	2	2	
F27		Reverse stitching shaft	1	1	1	
F28		Reverse shaft bushing(R)	1	1	1	
F29	HK332F8001		1	1	1	
F30	H4937L8001	Bolt	1	1	1	
F31	H4938L8001	_	1	1	1	
F32	H4943K8001		1	1	1	
F33		Reverse stitching lever	1	1	1	
F34	H428050060		1	1	1	
F35		Reverse stitching lever block	1	1	1	
F36	H428050060		1	1	1	
F37	HF937E8001		1	1	1	
F38	H403060100		4	4	4	M6×10
F39	HF947H8001	-	1	1	1	
F40	HF954H8001	-	1	1	1	
F43	HF953H8001		1	1	1	
F44	H005001060		1	1	1	
F45	H104060250		1	1	1	M6×25
F46	HF939H8001		1	1	1	
F47	HF937H8001	Reverse stitching arm(D)	1	1	1	

F.STITCH REGULATOR MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
F48	HF941H8001	Spring pin	1	1	1	
F49	H003001060		1	1	1	
F50	HF943H8001	Rod	1	1	1	
F51	HF942H8001	Pull spring	1	1	1	
F52	H424100100	Thread pin	1	1	1	M10×10
F53	H3100D2090	Presser spring	1	1	1	
F54	HF963H8001	Key	1	1	1	
F55	HF966H8001	Oil seal	1	1	1	
F56	HF958H8001	Shaft	1	1	1	
F57	HF967H8001	Oil seal	1	1	1	
F58	HF961H8001	Guide	2	2	2	
F59	H005009050	Elastic washer	4	4	4	
F60	H415050160	Screw	4	4	4	M5×16
F61	HK334F8001	Pin	1	1	1	

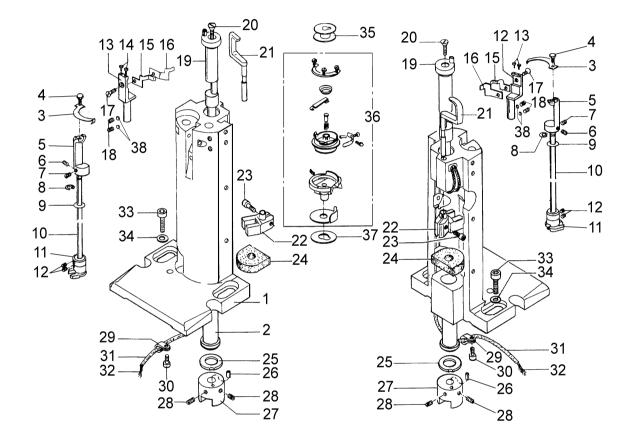


G.FEEDING AND FEED LIFTING MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
G01	HF928I8001	Feed shaft	1	1	1	
G02	HF959G8001	Rubber cap	1	1	1	
G03	HF965G8001	Adjusting shaft collar	1	1	1	
G04	H415040120	Bolt	1	1	1	M4×12
G05	HF927E8001	Bushing(L)	1	1	1	
G06	HF931I8001	Thurst ring	1	1	1	
G07	H007009150	E-type retaining ring	1	1	1	
G08	HF941I8001	Tube	1	1	1	
G09	HF942I8001	Oil wick	1	1	1	
G10	HF937I8001	Bushing	4	4	4	
G11	HF945I8001	Washer	3	3	3	
G12	HF935I8001	Feed arm(L)	1	1	1	
G13	HF936I8001	Bolt(L)	2	2	2	
G14	HF956G8001	Oil joint	1	1	1	
G15	HF946I8001	Spring	2	2	2	
G16	H007013050	E-type retaining ring 5	1	1	1	
G17	HF944I8001	Pin	1	1	1	
G18	HF939I8001	Tube support	1	1	1	
G19	HF948I8001	Bolt	2	2	2	
G20	H415040120	Screw	2	2	2	
G21	HG107I8001	Seat	1	1	1	
G22	HF949I8001	Feed bracket	1	1	1	
G23	HF953I8001	Pin	1	1	1	
G24	HF929I8001	Oil seal	3	3	3	
G25	HF927E8001	Feed shaft bushing(L)	1	1	1	
G26	HF927I8001	Washer	4	4	4	
G27	H415060120	Bolt(R)	2	2	2	M6×12
G28	HF923I8001	Feed shaft arm(R)	2	2	2	
G29	H007013050	E-type retaining ring 5	4	4	4	
G30	HF926I8001	Pin	2	2	2	
G31	HF924E8001	Feed shaft bushing(R)	2	2	2	
G32	HF957I8001	Feed connecting arm(L)	1	1	1	
G33	HA719B0707	Rubber cap	1	1	1	
G34	H415050160	Bolt	1	1	1	M5×16
G35	HF958I8001	Pin(L)	1	1	1	
G36	HF961I8001	Oil wick	1	1	1	
G37	H401030080	Bolt	2	2	2	
G38	HF954I8001	Washer	2	2	2	
G39	HF952I8001	Feed link	2	2	2	
G40	HF959I8001	Shaft	1	1	1	
G41	HF965G8001	Adjusting shaft collar	2	2	2	
G42	H415040120	Bolt	2	2	2	M4×12
G43	HF927E8001	Bushing(L)	1	1	1	

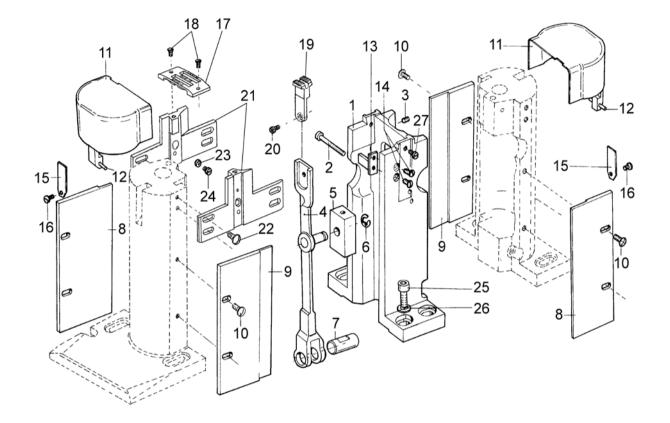
G.FEEDING AND FEED LIFTING MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
G44	HF924E8001	Bushing(R)	1	1	1	
G45	H428060100	Bolt	2	2	2	M6×10
G46	H429060100	Bolt	2	2	2	M6×10
G47	HF975J8001	Coupling claw(L)	1	1	1	
G48	HF978J8001	Toothed wreath	1	1	1	
G49	HF977J8001	Coupling craw(R)	1	1	1	
G50	118026	0 ring	1	1	1	
G51	HF98818001	Oil seal	1	1	1	
G52	HF98718001	Bushing(L)	1	1	1	
G53	HF99218001	Bolt	1	1	1	
G54	H34412C110	Plunger spring	1	1	1	
G55	HF96618001	Plunger	1	1	1	
G56	HA110E0672	Oil feeding pipe	1	1	1	
G57	HF971I7101	Feed rod	1	1	1	
G58	HF90518001	Lower shaft	1	1	1	
G59	HG113I8001	Feed cam	1	1	1	
G60	H428060050	Bolt	2	2	2	M6×5
G61	HF91917101	Lowe feed connecting rod assy	1	1	1	
G62	HF92618001	Pin	1	1	1	
G63	H007013050	E-tpye retaining ring 5	2	2	2	
G64	HF961H8001	Slide block	2	2	2	
G65	HF92518001	Back sylinder connection	1	1	1	
G66	HF960H8001	Pin	1	1	1	
G67	HF917I8001	Lower feed cam	1	1	1	
G68	H428060080	Bolt	2	2	2	M6×8
G69	HF99018001	Bushing(R)	1	1	1	
G70	HF956G8001	Oil joint	1	1	1	
G71	HF99118001	Sealing ring	1	1	1	
G72	HF915I8001	Disk	1	1	1	
G73	HF916I8001	Stunk screw	2	2	2	
G74	H007009220	Retainer ring	1	1	1	
G75	HG111I8001	Toothed belt	1	1	1	
G76	HG109I8001	Belt pulley(D)	1	1	1	
G77	HF911I8001	Piston	2	2	2	
G78	HF912I8001	Presser spring	2	2	2	
G79	HF91018001	Body	1	1	1	
G80	H431060120	Adjusting screw	2	2	2	M6×12
G81	H431080120	Bolt	1	1	1	M8×12
G82	H430080120	Bolt	1	1	1	M8×12
G83		Nut	2	2	2	M6
G84	H428040060	Bolt	1	1	1	



H.HOOK SADDLE MECHANISM (1)

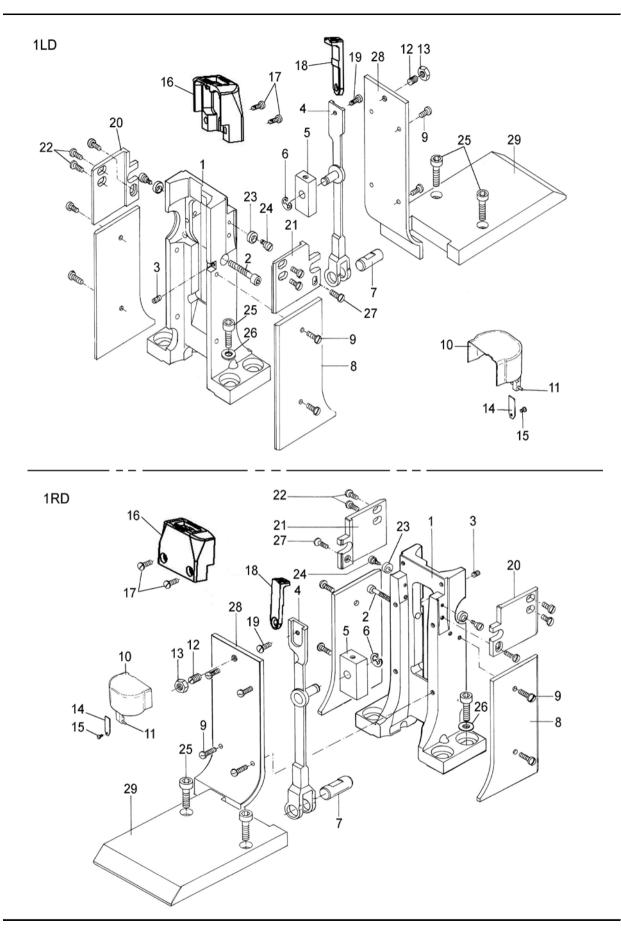
Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
H01	HG106J8001	Hook column	2	1	1	
H02	HG107J8001	Bushing	2	1	1	
H03	HG108J8001		2	1	1	
H04		Hexagonal Screw	2	1	1	
H05		Knife bearer cpl.	2	1	1	
H06	HG111J8001		2	1	1	
H07	HG112J8001		2	1	1	
H08	H007013060		2	1	1	
H09		Washer	2	1	1	
H10	HG115J8001		2	1	1	
H11 H12	HG117J8001 H431050050		2	1	1	
H12 H13	HG119J8001		4 2	2 1	2 1	
H14	H401020050		4	2	2	
H15		Spring	2	1	1	
H16	HG122J8001		2	1	1	
H17	H403025040		2	1	1	M2.5×4
H18	H431040050		4	2	2	M4(0.5)×5
H19	HG125J7101		2	1	1	
H20	HG127J8001		2	1	1	
H21	HG128J8001	Lever	2	1	1	
H22	HG131J8001	Lifter fork	2	1	1	
H23	H415040080	Screw	2	1	1	
H24	HG133J8001	Oil cushion	2	1	1	
H25	HG134J8001	Washer	2	1	1	
H26	H609030060	Pin	2	1	1	
H27	HG136J8001	Clutch	2	1	1	
H28	H428050080	Screw	4	2	2	
H29	H6732K8001	Clip	2	1	1	
H30	H402040060	Screw	2	1	1	
H31	HG140J8001		2	1	1	φ4×340
H32	HG141J8001		2	1	1	500
H33	H415060160		4	2	2	
H34	H005001060		4	2	2	
H35	HF971B8001		2	1	1	
H36	HG145J7101		2	1	1	
H37		Washer	2	1	1	
H38	HG123J8001	Pressure pin	4	2	2	



I.HOOK SADDLE MECHANISM (2)

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
I01	HG150J8001	Transp.column	1			
I02	H415040370	Screw	1			
I03	H427040060	Screw	1			
I04	HG153J7101	Transp.lever	1			
I05	HG156J8001	Slide block	1			
I06	H007013060	Lock washer	1			
I07	HG158J8001	Pin	1			
I08	HG161J8001	Cover plate(right)	2			
I09	HG162J8001	Cover plate(left)	2			
I10	HG163J8001		8			
I11	HG164J7101		2			
I12	H604020180		2			
I13	HG169J8001	-	1			
I14	H401035080		2			
I15	HG171J8001		2			
I16	H401030060		2			
I17	HG120J8001	_	1			
I18	HG175J8001		2			
I19	HG176J8001	-	1			
I20	HG177J8001		1			
I21	HG179J8001		2			
I22	HG163J8001		8			
I23	HG181J8001	-	2			
I24	HG182J8001		2			
I25	H415060160		4			
I26 I27	H005001060 HN190J8001		4			
127	HN190J8001	Screw	2			

J.HOOK SADDLE MECHANISM(3)



From the library of: Diamond Needle Corp

J.HOOK SADDLE MECHANISM(3)

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
J01	HG90J78001	Transp.column		1	1	
J02	H415040370	Screw		1	1	
J03	H427040060	Screw		1	1	
J04	HG153J7101	Transp.lever		1	1	
J05	HG156J8001	Slide block		1	1	
J06	H007013060	Lock washer		1	1	
J07	HG158J8001	Pin		1	1	
J08	HG90J88001	Cover plate		2	2	
J09	HG163J8001	Screw		8	8	
J10	HG164J7101	Cover		1	1	
J11	H605020180	Pin		1	1	
J12	H428050080			1	1	
J13	H003008050			1	1	
J14	HG171J8001			1	1	
J15	H401030060			1	1	
J16	HG91J18001			1		
J16	HH00J68001				1	
J17	HD726G8001			2	2	
J18	HG91J38001			1		
J18	HH00J78001				1	
J19	HG177J8001			1	1	
J20	HG91J48001			1	1	
J21	HG91J58001			1	1	
J22	HG163J8001			4	4	
J23	HG181J8001			2	2	
J24 J25	HG182J8001 H415060160			2	2	
	H005001060			8	8	
J26 J27	HN191J8001			4 2	4 2	
J27 J28	HG91J88001			2 1	1	
J20 J29	HG91J98001	—		1	1	
J <i>29</i>	11071378001			1	1	

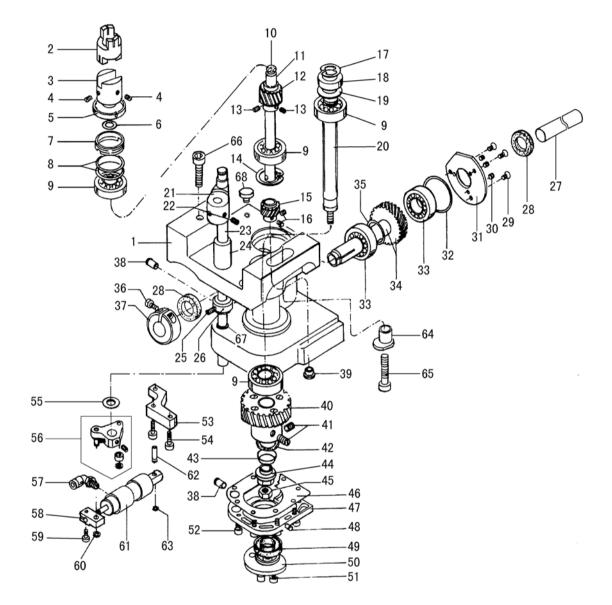
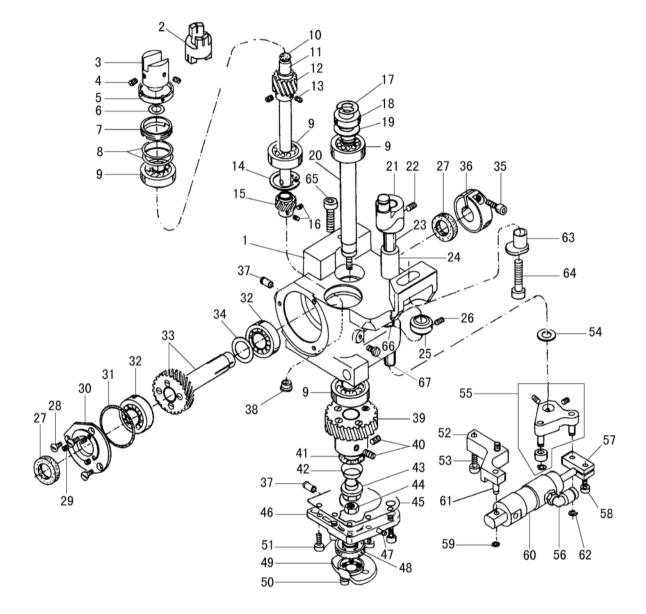


Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
K01	HG006J8001	Hook bearing ckl.left	1	1		
K02	HG106K8001	Cross slide	1	1		
K03	HG105K8001	Coupling	1	1		
K04	H428050060		2	2		
K05	HG107K8001	Dust cover	1	1		
K06	HF989J8001	Washer	1	1		
K07	HF991J8001		1	1		
K08	HF992J8001		2	2		
K09	HF984J8001	_	3	3		
K10	HG112K8001	-	1	1		
K11	HF981J8001		1	1		
K12		Gear	1	1		
K13	H431050050		2	2		
K14	H007007260	-	1	1		
K15	HF91AJ8001		1	1		
K16	H431050050		1	1		
K17	H007013080		1	1		
K18	H005005100		1	1		
K19	HG123K8001		1	1		
K20	HG125K8001		1	1		
K21	HG126K7101	-	1	1		
K22	H431040060		2	2		
K23	HG130K8001		1	1		
K24 K25	HF917J8001 HF920J8001	Collor	1 1	1 1		
K25 K26	HF920J8001 H428050050			2		
K20 K27	HG021J8001		2	2 1		
K27 K27		Shaft	1	1	1	
K27 K28	HF964J8001		2	2	1	
K20 K29	HF965J8001		3	3		
K30	HF966J8001		3	3		
K31		Lower shaft holder	1	1		
K32	387018	O ring	1	1		
K33		Ball bearing	1	1		
K34		Gear base assy	1	1		
K35	HF970J8001	-	1	1		
K36	HF973J8001		1	1		
K37	H415060200		1	1		
K38	HF947J8001		2	2		
K39	HG144K8001	-	1	1		
K40		Gear base assy	1	1		
K41	H431050060	-	1	1		
K42	95018	O ring	1	1		

K.GEAR SADDLE MECHANISM (LEFT)

K.GEAR SADDLE MECHANISM (LEFT)

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
K43	H005013050	Belleville spring washer	1	1		
K44	HF91IJ8001	Nut	1	1		
K45	HF91JJ8001	Hexagonal nut	1	1		
K46	HF954J8001	Sheet packing	1	1		
K47	HG154K8001	Cover	1	1		
K48	HG157K8001	Oil feeding pipe	1	1		
K49	HF958J8001	Oil seal	1	1		
K50	HG159K8001	Disk cam	1	1		
K51	H415040100	Screw	3	3		
K52	H415040080	Screw	6	6		
K53	HG164K8001	Bearer	1	1		
K54	H415040120	Screw	2	2		
K55	HG161K8001	Washer	1	1		
K56	HG166K7101	Drive winch	1	1		
K57	HG109C8001	Coupling	1	1		KQL04-M5
K58	HG172K8001	Block	1	1		
K59	H415040080	Screw	1	1		
K60	H007013040	Lock washer	1	1		
K61	HG174K8001	Pump	1	1		TGM-CA1215
K62	HG175K8001	Pin	1	1		
K63	H007013035	Lock washer	1	1		
K64	HF92CJ8001	Bushing	1	1		
K65	H415060220	Screw	1	1		
K66	H415060400	Screw	1	1		
K67	HF919J8001	Bushing	1	1		
K68	HG181K8001	Screw	1	1		

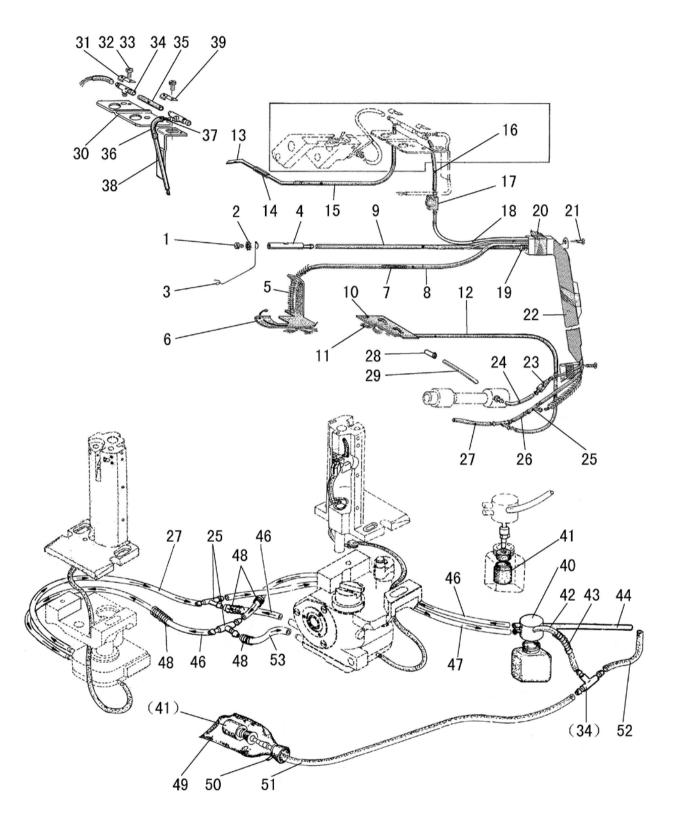


L.GEAR SADDLE MECHANISM (RIGHT)

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
L01	HF945J8001	Hook bearing ckl.left	1		1	
L02	HG106K8001	Cross slide	1		1	
L03	HG105K8001	Coupling	1		1	
L04	H428050060	Screw	2		2	
L05	HG107K8001	Dust cover	1		1	
L06	HF989J8001	Washer	1		1	
L07	HF991J8001	Oil drip ring	1		1	
L08	HF992J8001	Washer	2		2	
L09	HF984J8001	Ball bearing	3		3	
L10	HG112K8001	Plug	1		1	
L11	HF981J8001	Hook shaft	1		1	
L12	HF983J8001	Gear	1		1	
L13	H431050050	Screw	2		2	
L14	H007007260	Retainer ring	1		1	
L15	HF91AJ8001	Gear	1		1	
L16	H431050050	Screw	1		1	
L17	H007013080	Lock washer	1		1	
L18	H005005100	Washer	1		1	
L19	HG123K8001	Washer	1		1	
L20	HG125K8001	Shaft	1		1	
L21	HG126K7101	Lever assy.	1		1	
L22	H431040060	Screw	2		2	
L23	HG130K8001	Shaft	1		1	
L24	HF917J8001	Bushing	1		1	
L25	HF920J8001	Collor	1		1	
L26	H428050050	Screw	2		2	
L27	HF964J8001	Oil seal	2		2	
L28	HF965J8001	Screw	3		3	
L29	HF966J8001	Screw	3		3	
L30	HF962J8001	Lower shaft holder	1		1	
L31	387018	O ring	1		1	
L32	HF963J8001	Ball bearing	1		1	
L33	HF968J7101	Gear base assy	1		1	
L34	HF970J8001	Washer	1		1	
L35	HF973J8001	Collor	1		1	
L36	H415060200	Screw	1		1	
L37	HF947J8001	Oil joint	2		2	
L38	HG144K8001	Plug	1		1	
L39	HF91CJ7101	Gear base assy	1		1	
L40	H431050060	Screw	1		1	
L41	95018	O ring	1		1	
L42	H005013050	Belleville spring washer	1		1	
L43	HF91IJ8001	Nut	1		1	

L.GEAR SADDLE MECHANISM (RIGHT)

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
L44	HF91JJ8001	Hexagonal nut	1		1	
L45	HF954J8001	Sheet packing	1		1	
L46	HG180K8001	Cover	1		1	
L47	HG157K8001	Oil feeding pipe	1		1	
L48	HF958J8001	Oil seal	1		1	
L49	HG159K8001	Disk cam	1		1	
L50	H415040100	Screw	3		3	
L51	H415040080	Screw	6		6	
L52	HG164K8001	Bearer	1		1	
L53	H415040120	Screw	2		2	
L54	HG161K8001	Washer	1		1	
L55	HG166K7101	Drive winch	1		1	
L56	HG109C8001	Coupling	1		1	KQL04-M5
L57	HG172K8001	Block	1		1	
L58	H415040080	Screw	1		1	
L59	H007013040	Lock washer	1		1	
L60	HG174K8001	Pump	1		1	TGM-CA1215
L61	HG175K8001	Pin	1		1	
L62	H007013035	Lock washer	1		1	
L63	HF92CJ8001	Bushing	1		1	
L64	H415060220	Screw	1		1	
L65	H415060400	Screw	1		1	
L66	HF919J8001	Bushing	1		1	
L67	H401050040	Screw	1		1	

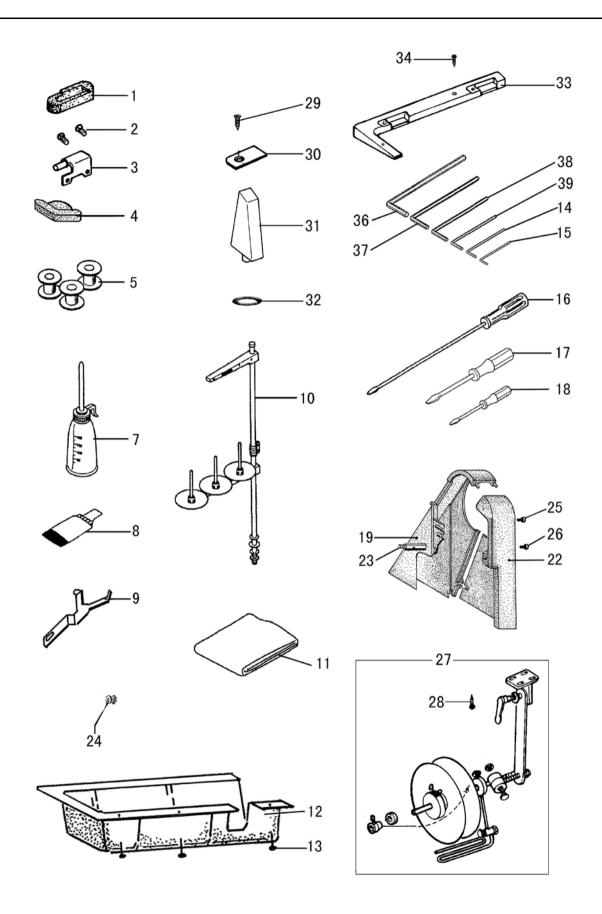


M.OIL LUBRICATION MECHANISM

M01 H401050080 Bolt 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
M03HF909K8001Oil vick support1111M04HF917K8001Oil joint1111M05HF906K8001Tube guide1111M06HF906K8001Oil vick1111M07HG111L8001Oil vick1111M08HG112L8001Oil vick1111M09HG118K8001Oil vick1111M10HF914K8001Felt1111M11HG115L8001Oil vick1111M14HF950K8001Oil ube1111M14HF950K8001Oil ube1111M15HF949K8001Hose1111M16HF950K8001Oil window1111M17HF950K8001Gi window1111M18HG119L8001Spring1111M19HF950K8001Gi window1111M19HF950K8001Gi window1111M18HG119L8001Spring1111M21HA04042160Screw1111M21HF950K8001Gi pint1111M23HF950K8001Gi pint1111 <trr< td=""><td>M01</td><td>H401050080</td><td>Bolt</td><td>1</td><td>1</td><td>1</td><td>M5×8</td></trr<>	M01	H401050080	Bolt	1	1	1	M5×8
M04HF917K8001Oil jointIIIIIM05HF906K8001Tube guideIIIIIM06HF906K8001FeltIIIIIM07HG111L8001Oil wickIIIIIM08HG112L8001Oil tubeIIIIIM09HG118L8001Oil wickIIIIIM11HG116L8001Oil wickIIIIIM12HG115L8001Oil wickIIIIIM13HF94K8001PipeIIIIIM14HF950K8001Oil wiceIIIIIM15HF940K8001HoseIIIIIM16HF935K8001Oil pipeIIIIIM18HG119L8001SpringIIIIIM19HF915K8001Srew222 4.2×16 M21HA0402160SrewIIIIIM21H40505K8001Giurd plateIIIIM22HF96K8001Giurd plateIIIIM24H4955K8001Main oil pipeIIIIM24H4955K8001GiupintIIIIM25H4921K8001Oil pipeI<	M02	H005018050	Spacer	1	1	1	
M68HF908K8001Tube guide1111M06HF906K8001Felt1111M07HG111L8001Oil wick1111M08HG112L8001Oil tube1111M09HG118L8001Oil wick1111M10HF914K8001Felt1111M11HG116L8001Oil wick1111M12HG115L8001Oil wick1111M13HF945K8001Pipe1111M14HF950K8001Oil wick1111M15HF945K8001Oil window1111M16HF950K8001Oil window1111M17HF950K8001Oil window1111M18HG119L8001Oil window1111M19HF950K8001Guard plate1111M21HA04042160Screw2224.2×16M22HF950K8001Oil pipe1111M23HF950K8001Oil pipe1111M24HF950K8001Oil pipe1111M25HF920K8001Oil pipe1111M26HF920K8001Oil pipe1111 <td>M03</td> <td>HF909K8001</td> <td>Oil wick support</td> <td>1</td> <td>1</td> <td>1</td> <td></td>	M03	HF909K8001	Oil wick support	1	1	1	
ModeHF906K8001FeltIIIIM07HG1111.8001Oil wickIIIIM08HG1181.8001Oil tubeIIIIM09HG1181.8001Oil wickIIIIIM11HG1161.8001Oil wickIIIIIM11HG1161.8001Oil wickIIIIIIM11HG1161.8001Oil wickIIIIIIM13HF948K8001PipeIIIIIIIM14HF950K8001Oil wiceIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII<	M04	HF917K8001	Oil joint	1	1	1	
M07HG111L8001Oil wick111M08HG112L8001Oil tube111M09HG118L8001Oil tube1111M11HG116L8001Oil wick1111M12HG115L8001Oil tube1111M13HF9458001Pipe1111M14HF95058001Oil tube1111M15HF94958001Oil window1111M16HF9368001Oil window1111M17HF94958001Oil window1111M18HG1918001Spring1111M20HF962K8001Tape1111M21HA0442160Screw2224.2×16M22HF962K8001Giant1111M24HF955K8001Oil pipe1111M24HF955K8001Oil pipe1111M24HF952K8001Oil pipe2224.2×16M25HF92K8001Oil pipe1111M24HF955K8001Oil pipe1111M25HF92K8001Oil pipe2224.2×16M26HF92K8001Oil pipe1111M27HF9	M05	HF908K8001	Tube guide	1	1	1	
M08HG112L8001Oil tube1111M09HG118L8001Oil tube1111M10HF914K8001Fdt11111M11HG116L8001Oil ubc11111M12HG115L8001Oil ubc11111M13HF948K8001Pipe11111M14HF950K8001Oil ubc11111M15HF948K8001Oil pipe11111M16HF950K8001Oil pipe11111M17HF950K8001Oil pipe11111M18HG119L8001Spring11111M19HF950K8001Garar plate1111M20HF960K8001Garar plate1111M21HA04042160Screw2111M23HF950K8001Oil pipe1111M24HF950K8001Oil pipe3111M25HF920K8001Oil pipe1111M26HF920K8001Oil pipe1111M27HF920K8001Oil pipe1111M28HF93K8001Oil pipe1111M31	M06	HF906K8001	Felt	1	1	1	
M09HG118L3001Oil tube1111M10HF914K3001Felt1111M11HG116L3001Oil vick1111M12HG115L3001Oil vick1111M13HF948K3001Pipe1111M14HF950K3001Oil tube1111M15HF949K3001Oil vindow1111M16HF950K3001Oil vindow1111M17HF950K3001Oil vindow1111M18HG119L3001Spring1111M20HF950K3001Spring1111M21HA0402160Screw2224.2×16M22HF960K3001Gloard plate1111M21HA0402160Screw2224.2×16M23HF956K7101Valve1111M24HF955K8001Oil pipe1111M25HF921K3001Oil pipe1111M26HF921K3001Oil pipe1111M27HF922K3001Oil pipe1111M28HF921K3001Oil pipe1111M29HF921K3001Oil pipe1111	M07	HG111L8001	Oil wick	1	1	1	
M10HF914K800Felt1111M11HG116L800Oil wick1111M12HG115L800Oil tube1111M13HF948K800Pipe1111M14HF950K800Oil ube1111M15HF949K800Hose1111M16HF936K800Oil window1111M17HF959K800Oil window1111M18HG119L800Oil pipe1111M20HF962K800Sring1111M21HA04042160Screw2224.2×16M22HF960K8001Guard plate1111M23HF955K8001Main oil pipe111M24HF92K8001Oil pine222M25HF92K8001Oil pipe111M26HF92K8001Oil pipe221M27HF92K8001Oil pipe111M28HF93K8001Oil pipe111M29HF93K8001Oil pipe222M26HF93K8001Oil pipe111M31H3211C607Oil wick setting plate111M34H3210K007Topint2222 <tr< td=""><td>M08</td><td>HG112L8001</td><td>Oil tube</td><td>1</td><td>1</td><td>1</td><td></td></tr<>	M08	HG112L8001	Oil tube	1	1	1	
M11HG116L800Oil wick1111M12HG115L800Oil ube1111M13HF948K800Pipe1111M14HF950K800Oil ube1111M15HF949K800Hose1111M16HF950K800Oil window1111M17HF959K800Oil window1111M18HG119L800Oil pipe1111M20HF962K800Tape1111M21HA04042160Screw22224.2×16M21HA04042160Guard plate1111M23HF96K800Guard plate1111M24HF955K800Main oil pipe1111M25HF920K800Oil pinf4222M26HF921K800Oil pipe1111M27HF920K800Oil pipe1111M28HF938K800Oil pipe1111M29HF939K800Oil pipe1111M30HF951K800Oil pipe1111M31H3211D606Giwic setting plate1111M31H3210K067T-joint3333 <td>M09</td> <td>HG118L8001</td> <td>Oil tube</td> <td>1</td> <td>1</td> <td>1</td> <td></td>	M09	HG118L8001	Oil tube	1	1	1	
M12HG115L8001Oil tube1111M13HF948K8001Pipe1111M14HF950K8001Oil tube1111M15HF940K8001Oil pipe1111M16HF950K8001Oil pipe1111M17HF959K8001Oil pipe1111M18HG119L8001Oil pipe1111M19HF919K8001Spring1111M20HF962K8001Tape1111M21HA04042160Screw2224.2×16M22HF960K8001Guard plate1111M24HF955K8001Guard plate1111M25HF920K8001Oil pipe1111M24HF952K8001Oil pipe1111M25HF920K8001Oil pipe1111M26HF920K8001Oil pipe1111M27HF920K8001Oil pipe1111M28HF938K800Oil pipe1111M29HF939K800Oil pipe setting plate1111M31H3201K0671T-joint3333M34H594K8001Hose1111 </td <td>M10</td> <td>HF914K8001</td> <td>Felt</td> <td>1</td> <td>1</td> <td>1</td> <td></td>	M10	HF914K8001	Felt	1	1	1	
M13HP948K800PipeIIIIM14HF950K800Oil tubeIIIIM15HF949K800HoseIIIIM16HF930K800Oil pipeIIIIIM17HF959K800Oil windowIIIIIM18HG119L800Oil pipeIIIIIM18HF919K800SpringIIIIIM20HF962K800TapeIIIIIM21HA04042160ScrewZZZ24.2×16M22HF960K800Guard plateIIIIIM23HF950K710ValveIIIIIM24HF950K800Oil pipeIIIIIM25HF920K800Oil pipeIIIIIM26HF921K800Oil pipeIIIIIM27HF925K800Oil pipeIIIIIM28HF931K800Oil pipe setting plateIIIIM31H2311D660Oil wick setting plateIIIIM33H0501040WasherIIIIIM34H5942K800HoseIIIIIIM33H5942K800GolwickII	M11	HG116L8001	Oil wick	1	1	1	
M14HF950K800Öitube1111M15HF949K800Hose1111M16HF936K800Öli vindow11111M17HF959K800Öii vindow11111M18HG119L800Öil pipe11111M19HF919K800Spring111111M20HF962K800Tape11111M21HA04042160Screw2224.2×16M22HF960K800Guard plate1111M23HF950K710Valve1111M24HF955K800Öil pipe1111M25HF920K800Öil pipe1111M26HF921K800Öil pipe1111M27HF925K800Öil pipe1111M28HF935K800Öil pipe1111M29HF935K800Öil pipe1111M30HF951K800Öil pipe setting plate1111M31H3211D606Öil wick setting plate1111M33H05001040Washer2222M34H3210K6671T-joint3333M35HF942K800 <td< td=""><td>M12</td><td>HG115L8001</td><td>Oil tube</td><td>1</td><td>1</td><td>1</td><td></td></td<>	M12	HG115L8001	Oil tube	1	1	1	
M15HF949K800Hose111M16HF936K800Oil pipe1111M17HF959K800Oil window1111M18HG119L800Oil pipe1111M19HF919K800Spring1111M20HF96K800Tape1111M21HA04042160Screw2224.2×16M22HF96K800Guard plate1111M23HF956K710Valve1111M24HF955K800Main oil pipe1111M25HF920K800Oil pipe3111M26HF921K800Oil pipe3111M27HF922K800Oil pipe1111M28HF938K800Oil pipe1111M30HF951K800Oil pipe1111M31H32311D60Oil wick setting plate1111M33H00500140Washer2222M34H3210K0671T-joint3333M35HF942K800Oil pipe plate assy1111M36HF942K800Oil pipe plate assy1111M36HF942K800Oil pipe plate assy111	M13	HF948K8001	Pipe	1	1	1	
M16HF936K800Oil pipe111M17HF959K800Oil window1111M18HG119L800Oil pipe11111M19HF919K800Spring11111M20HF962K8001Tape11111M21HA04042160Screw22224.2×16M22HF960K800Guard plate11111M23HF956K710Valve1111M24HF955K800Gil oint4222M25HF920K800Oil pipe1111M26HF921K800Oil pipe3111M27HF922K800Oil pipe1111M28HF938K800Oil pipe1111M30HF951K800Oil pipe setting plate1111M31H32311D60Oil wick setting plate1111M33H005001040Washer2222M34H3210K061T-joint3333M35HF943K800Oil wick1111M38HF943K800Oil wick1111M33H546K800Oil wick1111M34H5943K800Oil wick <t< td=""><td>M14</td><td>HF950K8001</td><td>Oil tube</td><td>1</td><td>1</td><td>1</td><td></td></t<>	M14	HF950K8001	Oil tube	1	1	1	
M17 HF959K8001 Oil window 1 1 1 1 M18 HG119L8001 Oil pipe 1 1 1 1 M19 HF919K8001 Spring 1 1 1 1 M20 HF962K8001 Tape 1 1 1 1 M21 HA04042160 Screw 2 2 2 4.2×16 M22 HF960K8001 Guard plate 1 1 1 1 M23 HF956K7010 Valve 1 1 1 1 M24 HF955K8001 Main oil pipe 1 1 1 1 M25 HF920K8001 Oil pipe 3 1 1 1 M26 HF925K8001 Oil pipe 3 1 1 1 M27 HF922K8001 Oil pipe 1 1 1 1 M29 HF938K8001 Oil pipe setting plate 1 1 1 1 M31 H32311D606 Oil wick setting plate 1 1 1	M15	HF949K8001	Hose	1	1	1	
M18HG119L8001Oil pipe1111M19HF919K8001Spring1111M20HF962K8001Tape1111M21HA0402160Screw22224.2×16M22HF960K8001Guard plate1111M23HF956K7101Valve1111M24HF955K8001Main oil pipe1111M25HF920K8001Oil joint4222M26HF921K8001Oil pipe1111M27HF922K8001Oil pipe3111M28HF938K8001Oil pipe1111M29HF939K8001Oil pipe1111M30HF951K8001Oil pipe setting plate111M31H32311D606Oil wick setting plate111M33H0500100Washer2222M34H210K6071T-joint3333M35HF94K8001Hose1111M38HF943K8001Oil wick1111M39H520K0070Washer1111M36HF947K8001Hose1111M37HF946K8001Oil wick1111	M16	HF936K8001	Oil pipe	1	1	1	
M19HF919K8001Spring1111M20HF962K8001Tape1111M21HA04042160Screw2222 4.2×16 M22HF960K8001Guard plate1111M23HF956K7101Valve1111M24HF955K8001Main oil pipe1111M25HF920K8001Oil joint4222M26HF921K8001Oil pipe1111M27HF922K8001Oil pipe3111M28HF938K8001Oil pipe1111M29HF939K8001Oil pipe1111M30HF951K8001Oil pipe setting plate1111M31H32311D606Oil wick setting plate1111M33H0500100Washer22221M34H210K0671T-joint33333M35HF942K8001Hose1111M38HF943K8001Oil wick1111M39H320K0170Wire assy1111M39H320K0170Wire assy1111M39H520K0170Oil wick1111M39H520K0170Oil wick	M17	HF959K8001	Oil window	1	1	1	
M20 HF962K8001 Tape 1 1 1 1 M21 HA04042160 Screw 2 2 2 2 4.2×16 M22 HF960K8001 Guard plate 1 1 1 1 M23 HF956K7101 Valve 1 1 1 1 M24 HF955K8001 Main oil pipe 1 1 1 1 M25 HF920K8001 Oil joint 4 2 2 2 M26 HF921K8001 Oil pipe 1 1 1 1 M27 HF922K8001 Oil pipe 3 1 1 1 M27 HF938K8001 Oil pipe 1 1 1 1 M28 HF938K8001 Oil pipe setting plate 1 1 1 1 M30 HF951K8001 Oil wick setting plate 1 1 1 1 M33 H005001040 Washer 2 2 2 M4×10 M33 H05001040 Washer 1 1	M18	HG119L8001	Oil pipe	1	1	1	
M21 HA04042160 Screw 2 2 2 4.2×16 M22 HF960K8001 Guard plate 1 1 1 1 M23 HF956K7101 Valve 1 1 1 1 M24 HF955K8001 Main oil pipe 1 1 1 1 M25 HF920K8001 Oil joint 4 2 2 2 M26 HF921K8001 Oil pipe 1 1 1 1 M27 HF922K8001 Oil pipe 2 2 - M28 HF938K8001 Oil pipe 2 2 - M29 HF939K8001 Oil pipe setting plate 1 1 1 M30 HF951K8001 Oil wick setting plate 1 1 1 M33 H005001040 Washer 2 2 2 M4×10 M33 H005001040 Washer 1 1 1 1 M34 H3	M19	HF919K8001	Spring	1	1	1	
M22HF960K8001Guard plate111M23HF956K7101Valve111M24HF955K8001Main oil pipe111M25HF920K8001Oil joint422M26HF921K8001Oil pipe111M27HF922K8001Oil pipe311M28HF938K8001Oil pipe27M28HF938K8001Oil pipe111M29HF930K8001Oil pipe setting plate111M30HF951K8001Oil pipe setting plate111M31H32311D606Oil wick setting plate111M33H005001040Washer2222M34H594K8001Hose1111M35HF94K8001Hose1111M36HF94K8001Oil wick1111M37HF94K8001Oil wick1111M38HF943K8001Oil wick1111M39H5943K8001Oil pipe plate assy1111M39H5943K8001Oil pipe plate assy1111M40HF927K7101Oil hose assy1111	M20	HF962K8001	Таре	1	1	1	
M23HF956K7101Valve1111M24HF955K8001Main oil pipe1111M25HF920K8001Oil joint422M26HF921K8001Oil pipe1111M27HF922K8001Oil pipe3111M27HF922K8001Oil pipe22 $-$ M28HF938K8001Oil pipe1111M29HF939K8001Oil pipe1111M30HF951K8001Oil pipe setting plate1111M31H32311D606Oil wick setting plate1111M33H005001040Washer2222M34H3210K0671T-joint3333M35HF942K8001Hose1111M37HF945K8001Oil wick1111M38HF943K8001Oil wick1111M38HF943K8001Oil wick1111M39H3200K0170Wire assy1111M40HF927K7101Oil hose assy1111	M21	HA04042160	Screw	2	2	2	4.2×16
M24HF955K8001Main oil pipe111M25HF920K8001Oil joint4422M26HF921K8001Oil pipe111M27HF922K8001Oil pipe311M27HF922K8001Oil pipe311M28HF938K8001Oil joint111M29HF938K8001Oil pipe111M30HF951K8001Oil pipe setting plate111M31H32311D606Oil wick setting plate111M32H415040100Screw2222M34H3210K0671T-joint333M35HF942K8001Hose111M37HF945K800Oil pipe plate assy111M38HF943K800Oil pipe plate assy111M39H3200K0170Wire assy111M40HF927K7101Oil hose assy111	M22	HF960K8001	Guard plate	1	1	1	
M25HF920K8001Oil joint422M26HF921K8001Oil pipe111M27HF922K8001Oil pipe311M27HF922K8001Oil pipe22 2 M28HF938K8001Oil joint1111M29HF939K8001Oil pipe1111M30HF951K8001Oil pipe setting plate1111M31H32311D606Oil wick setting plate1111M32H415040100Screw222M4×10M33H005001040Washer2222M34H3210K0671T-joint3333M35HF942K8001Hose1111M37HF946K8001Oil wick1111M38HF943K8001Oil pipe plate assy1111M39H3200K0170Wire assy1111M40HF927K7101Oil hose assy1111	M23	HF956K7101	Valve	1	1	1	
M26 HF921K8001 Oil pipe 1 1 1 M27 HF922K8001 Oil pipe 3 1 1 M27 HF922K8001 Oil pipe 2 - M28 HF938K8001 Oil joint 1 1 1 1 M29 HF939K8001 Oil pipe 1 1 1 1 M29 HF939K8001 Oil pipe setting plate 1 1 1 1 M30 HF951K8001 Oil wick setting plate 1 1 1 1 M31 H32311D606 Oil wick setting plate 1 1 1 1 M32 H415040100 Screw 2 2 2 M4×10 M33 H005001040 Washer 2 2 2 2 M34 H3210K0671 T-joint 3 3 3 3 M35 HF942K8001 Hose 1 1 1 1 M36 HF947K8001 Hose 1 1 1 1 M38 HF9				1	1	1	
M27 HF922K8001 Oil pipe 3 1 1 M27 HF922K8001 Oil pipe 2 2 M28 HF938K8001 Oil joint 1 1 1 M29 HF939K8001 Oil pipe 1 1 1 M30 HF951K8001 Oil pipe setting plate 1 1 1 M31 H32311D606 Oil wick setting plate 1 1 1 M32 H415040100 Screw 2 2 2 M4×10 M33 H005001040 Washer 2 2 2 2 M34 H3210K0671 T-joint 3 3 3 3 M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Hose 1 1 1 M37 HF943K8001 Oil wick 1 1 1 M38 HF943K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 </td <td></td> <td></td> <td>-</td> <td>4</td> <td>2</td> <td>2</td> <td></td>			-	4	2	2	
M27 HF922K8001 Oil pipe 2 1 M28 HF938K8001 Oil joint 1 1 1 M29 HF939K8001 Oil pipe 1 1 1 M30 HF951K8001 Oil pipe setting plate 1 1 1 M31 H32311D606 Oil wick setting plate 1 1 1 M32 H415040100 Screw 2 2 2 M4×10 M33 H005001040 Washer 2 2 2 2 M34 H3210K0671 T-joint 3 3 3 M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Hose 1 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1 1	M26			1	1	1	
M28 HF938K8001 Oil joint 1 1 1 M29 HF939K8001 Oil pipe 1 1 1 1 M30 HF951K8001 Oil pipe setting plate 1 1 1 1 M31 H32311D606 Oil wick setting plate 1 1 1 1 M32 H415040100 Screw 2 2 2 M4×10 M33 H005001040 Washer 2 2 2 2 M34 H3210K0671 T-joint 3 3 3 3 M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Hose 1 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 1 M40 HF927K710 Oil hose assy 1 1 1 1				3	1	1	
M29 HF939K8001 Oil pipe 1 1 1 1 M30 HF951K8001 Oil pipe setting plate 1 1 1 1 M31 H32311D606 Oil wick setting plate 1 1 1 1 M32 H415040100 Screw 2 2 2 M4×10 M33 H005001040 Washer 2 2 2 2 M34 H3210K0671 T-joint 3 3 3 M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Oil wick 1 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil wick 1 1 1 M39 H3200K0170 Wire assy 1 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1 1					2		
M30 HF951K8001 Oil pipe setting plate 1 1 1 M31 H32311D606 Oil wick setting plate 1 1 1 M32 H415040100 Screw 2 2 2 M4×10 M33 H005001040 Washer 2 2 2 2 M34 H3210K0671 T-joint 3 3 3 M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Hose 1 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1							
M31 H32311D606 Oil wick setting plate 1 1 1 M32 H415040100 Screw 2 2 2 M4×10 M33 H005001040 Washer 2 2 2 2 M34 H3210K0671 T-joint 3 3 3 M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Hose 1 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1							
M32 H415040100 Screw 2 2 2 M4×10 M33 H005001040 Washer 2 2 2 2 M34 H3210K0671 T-joint 3 3 3 3 M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Hose 1 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1							
M33 H005001040 Washer 2 2 2 M34 H3210K0671 T-joint 3 3 3 M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Hose 1 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1							
M34H3210K0671T-joint333M35HF942K8001Hose111M36HF947K8001Hose111M37HF946K8001Oil wick111M38HF943K8001Oil pipe plate assy111M39H3200K0170Wire assy111M40HF927K7101Oil hose assy111							M4×10
M35 HF942K8001 Hose 1 1 1 M36 HF947K8001 Hose 1 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1							
M36 HF947K8001 Hose 1 1 M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1			Ū.				
M37 HF946K8001 Oil wick 1 1 1 M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1							
M38 HF943K8001 Oil pipe plate assy 1 1 1 M39 H3200K0170 Wire assy 1 1 1 M40 HF927K7101 Oil hose assy 1 1 1							
M39 H3200K0170 Wire assy 1 1 M40 HF927K7101 Oil hose assy 1 1							
M40 HF927K7101 Oil hose assy 1 1 1							
			-				
M42 HF929K8001 Oil pipe 1 1 1							

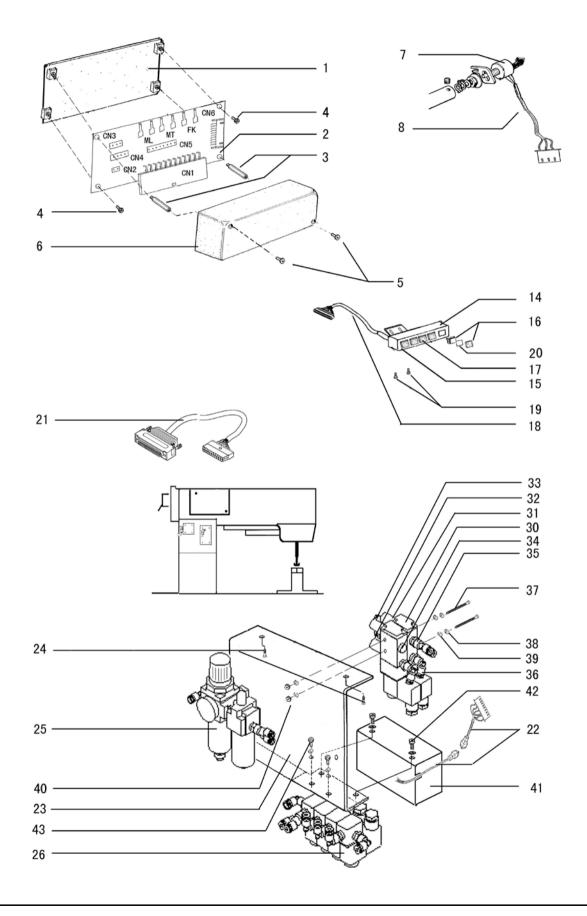
M.OIL LUBRICATION MECHANISM

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
M43	HF930K8001	Support spring	1	1	1	
M44	HF923K8001	Oil pipe	1	1	1	
M45	HF935K8001	Oil joint	1	1	1	
M46	HF924K8001	Oil pipe	4		1	
M47	HF925K8001	Oil pipe	1		1	
M48	HF926K8001	Support spring	4	2	2	
M49	HF932K8001	Felt part	1	1	1	
M50	HA300I2040	Cable tie	1	1	1	
M51	HF934K8001	Oil pipe	1	1	1	
M52	HF937K8001	Oil pipe	1	1	1	
M53	HG005K8001	Oil pipe	1			



N.ACCESSORIES

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
N01	HG112N8001	Hinge support	2	2	2	
N02	H411060100	Screw	4	4	4	
N03	HG107N7101	Hinge	2	2	2	
N04	HF905L8001	Head cushion	2	2	2	
N05	HF971B8001	Bobbin	4	3	3	
N06	HA100J2170	Oil tank	1	1	1	
N07	HF912L7101	Oiler	1	1	1	
N08	JZDP1700G23	Neddle	6	4	4	
N09	HF913L8001	Detector setting plate	1	1	1	
N10	H3200L0120	Cotton stand assy	1			
N10	HA200J2030	Cotton stand assy		1	1	
N11	HA100J2180	Cover	1	1	1	
N12	HF904L8001	Oil plate	1	1	1	
N13	16250	Nail	8	8	8	
N14	HB00001025	Hexagonal wrench (2.5)	1	1	1	
N15	HB00001015	Hexagonal wrench (1.5)	1	1	1	
N16	HA300J2070	Screw driver(L)	1	1	1	
N17	HA300J2200	Screw driver(M)	1	1	1	
N18	HA300J2210	Screw driver(S)	1	1	1	
N19	HG108L8001	Belt guard(R)	1	1	1	
N20	HF915L8001	Rubber washer	1	1	1	
N21	H401060120	Bolt	1	1	1	
N22	HG107L8001	Belt guard(L)	1	1	1	
N23	HG158N8001	Bolt	2	2	2	
N24	H005001060	Washer	3	3	3	
N25	H102060100	Bolt	1	1	1	
N26	H409060080		1	1	1	
N27	HG120N7101		1	1	1	Special order
N28	H804050250		4	4	4	Special order
N29	H802060250		2	2	2	
N30	HG111N8001		2	2	2	
N31	HG119N8001		1	1	1	
N32	H7331D8001	e e e e e e e e e e e e e e e e e e e	1	1	1	
N33	HG110N8001		1	1	1	
N34	H804050300	Screw	2	2	2	



O.PNEUMATIC CONTROL UNIT

Fig. No.	Part No.	Description	2-D	1LD	1RD	Remarks
P01	HF930M8001	Connecting box base	1	1	1	
P02	HF924M8001	PCB board	1	1	1	
P03	HF932M8001	Connecting box screw	3	3	3	
P04	H409040160	Screw	3	3	3	
P05	H415030120	Screw	3	3	3	
P06	HF931M8001	Connecting box cover	2	2	2	
P07	HF922E8001	Rheostat	1	1	1	
P08	HF989E7101	Rheostat wire assy	1	1	1	
P14	HF934M8001	Button set frame	1	1	1	
P14	HG90M98001	Button set frame	1	1	1	
P15	HF933M8001	Button set board	1	1	1	
P15	HG90M88001	Button set board	1	1	1	
P16	HF937M8001	Button with light	3	2	2	
P17	HF937M8002	Button without light	2	2	2	
P18		Button wire assy	1	1	1	
P19	H415040060	Screw	4	4	4	
P20	HG113M7101	Plotting	1	1	1	
P21	HG91M17101	Control box wire assy	1	1	1	
P22		Solenoid valve wire assy	1	1	1	
P23		Solenoid valve set board	1	1	1	
P24	HF917M8001		2	2	2	
P25		Air source units	1	1	1	
P26		Solenoid valve assy	1			
P26		Solenoid valve assy		1	1	
P30		Solenoid valve	2	2	2	
P31		Exhaust muffler	4	4	4	
P32	H4917N8001		1	1	1	
P33	H4916N8001		1	1	1	
P34	HF960M8001		1	1	1	
P35	HG119M8001	-	1	1	1	
P36	HF959M8001	-	2	2	2	
P37	H409040500		2	2	2	
P38		Spring washer	2	2	2	
P39	H005001040		6	6	6	
P40	H003002040		2	2	2	
P41		Solenoid valve cover	1	1	1	
P42	H409040100		2	2	2	
P43	HZ11040120	Screw	4	4	4	

SHANGHAI HUIGONG NO.3 SEWING MACHINE FACTORY

ADD: 1418, Yishan Road, Shanghai, China

Zip Code: 201103

Overseas Business: TEL: 86-21-64853303 FAX: 86-21-64854304

E-mail:highlead@online.sh.cn http://www.highlead.com.cn

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