

ZZ 2560 series

Flatbed zig-zag machines

Instruction manual & parts book

Always switch off the electricity when working on the machine.

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Thank you to choose zigzag stitch series industrial sewing machine

This is an instruction manual & parts list, it could help you how to use machine & how to care of machine correctly and make you convenience to look up parts.

In order to avoid trouble occurring, please read this instruction manual carefully before operating machine, and please accept safety operating guides with come from special technicians or peoples of having operator experiences.

1 Safety operating guide

- → When turning the power on, keep your hands and fingers away from the area under the needle and around the pulley.
- → Power must be turned off when the machine is not used or when the operator leaves his/her seat.
- → Power must be turned off when incline the machine head, install/remove the belt or move machine.
- → Do not place finger, hair, shaft etc. near pulley, belt, wheel and motor in order to avoid injury when the machine is in operation.
- Do not insert finger into the thread take up lever guard cover, keep your hands and fingers away from the area under the needle and around the pulley when the machine is in operation.
- → Do not operate the machine without the safety devices if the belt cover or eye guard are installed.

2 Operating notice

- → Do not operate the machine if the oil tank without full oil.
- → The machine adopt semi-automatic lubricating mode. Do not operate the machine before lubricating.
- → Check the rotation direction of pulley when firstly start new machine.(The pulley should rotate in counterclockwise when viewed from pulley)
- → Check the voltage and phase.(Single or three phase whether is corresponding with the data in motor nameplate)

3 Operating condition

- → Avoid using machine at abnormally high temperature (40 °C or higher) or low temperature (5 °C or lower). Otherwise machine failure may result.
- → Avoid using machine in dusty condition.

4 Main technical specifications

	Large hook	Standard hook	Small hook
Max. zigzag stitch width/mm	10	8	6
Max. sewing speed for 6mm stitch width	Adjust as per the actual situation	Adjust as per the actual situation	3500
Max. sewing speed for 8mm stitch width	Adjust as per the actual situation	3000	-
Max. sewing speed for 10mm stitch width	2000		60 to 2 0 to 2
Standard sewing speed	2000	2500	2500

- The machine is set up to the standard sewing speed in the factory.
- The sewing speed value determined by the size of the hook must not be exceed with a respect to the machine's lifetime.

 Usually is necessary to do reduction the speed's value according to used thread, needle and sewn material.

Stitch type

Stitch length

Foot lifting with hand lever

Foot lifting with knee lever or solenoid

Lubricating mode

Needle system

Manually controlled subclass

Solenoid-controlled subclass

Sewing head weight

Sewing head (all-in-one machine) weight

Stand weight

Thread length after trimming

Machine head clear workspace

Machine table dimensions

Input of machine with DC motor

Machine floor plan dimensions (including stand)

double thread zig-zag lockstitch

max.5mm

5mm

12mm

Semi-automatic lubricating

134; 134-35

DC motor-positioning motor without further functions

DC motor (AC servo) - positioning motor with reverse run after thread trimming

40kg

. . .

30kg

max.20mm

265 x 120mm

178 x 476mm

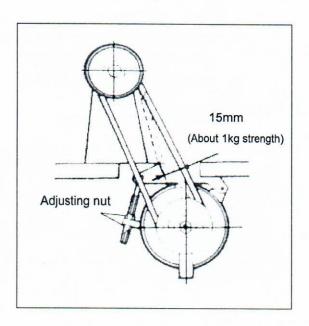
max.800W (short-time at start up)

1060 x 550mm

5 Install belt

Use V-belt which special for sewing machine.

To adjust the tension of belt. Change the height of motor through turn the tension adjusting nut. It is ok if the belt sinks inside with 15mm when pressing the center position of belt surface. Lacking tension will cause unstable running speed of machine, or needle stand at wrong stop position when machine in middle / slow running condition. Excessive tension will cause the motor bearing be damaged.



6 Install belt cover

Machine head and motor must install belt cover for safety.

7 The needle bar stop position adjustment

If the localizer adopts external hanging type, please refer to the motor instruction book for the adjustment method

→ "Up" Position

When the pedal is kicked down by heel, the machine should stop at "Up" position, i.e. the highest position of take-up lever.

→ "Down" Position

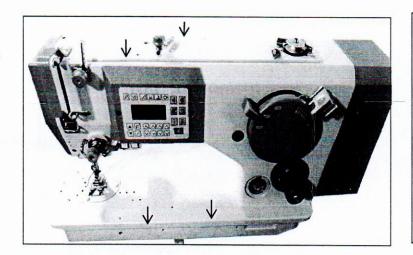
When the pedal is stand at middle position, the machine should stop at "Down" position, i.e. the needle bar raises 3mm from its lowest position.

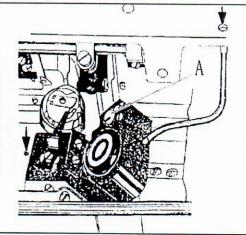
8 Operation guide (motor and control box)

- Keep foot away from pedal when turn on / off the power. Power must be turned off when the operator leaves his / her seat.
- The detent can't work when the power is interrupted or power failure occurs during the machine operation.
- Keep the control box cover is closed during operation in order to avoid accidental operation since the dust come into control box.
- Must use multimeter to check control loop circuit in order to protect the semiconductor parts
- → Power must be turned off when incline machine head only or touch needle.
- Must use earth cable (with yellow / green color) to connect motor.
- → When check the internal circuit, it must turn off the power firstly and then open the front cover.
- It must wait 10 minutes after turn off the power due the high voltage in box. (It is very important to release the internal energy)
- → Keep motor away from much noise area such as high frequency welding area when use it.

9 To lubricate the machine

Clean the machine completely before operate it daily, and check the oil quantity of hook oil tank. Then inject oil as arrow shows in below picture, start operation of machine.





10 The hook lubricating condition adjustment (see above picture)

- → To adjust hook lubricating through screw A which site before oil tank of hook.
- → The oil quantity is lowest when screw A was turned with clockwise and the arrow points to "0" position.
- → The oil quantity is highest when screw A was turned with anticlockwise and the arrow points to "MAX" position.

11 Time machine cleaning

The hook, feed dog and other parts of machine should be cleaned daily, and drop two or three coal oil into hook and other parts that need to be lubricated. Clean all the spilth after ending of highest speed operation of machine, then lubricate the machine with oil. The clean work must be insisted every day. (Especially the machine worked one week, the clean work is very important, as the spilth will affect the sewing capability and rust hook and machine. It should take away bobbin from hook before cleaning.) Maintenance of motor: clean dust of the motor cover each one month or two months. (More dust or sundries of motor cover will make it too hot.)

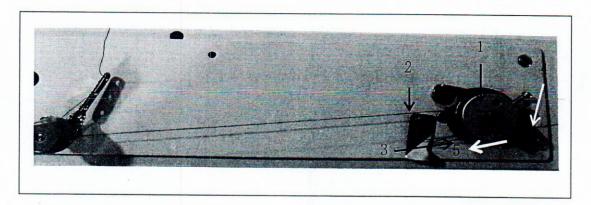
Maintenance of control box: clean dust of the connector. (It will affect accidental operation if there is more dust on the connector.)

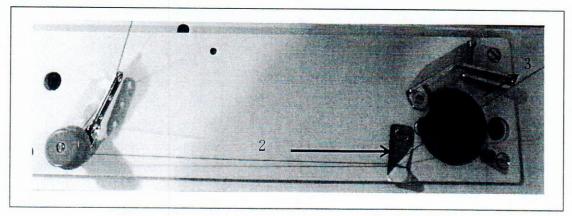
Warning!

Before cleaning and lubricating the machine, be sure to switch off all switches and hold your feet away from the machine stand pedal in order to avoid accidental machine start by pedal.

12 Wind the bobbin

- → Fix the bobbin (1) on the winder.
- Do the threading according to picture (A), wind 5 times round the bobbin.
- Insert the thread under cutter (2) and tear off by pulling in the arrow direction (3).
- → Pull the lever (4) in the arrow direction (5).
- → Start the machine up.
- After the bobbin winding, wind the thread round the cutter (2) according to picture (B) and tear it off by pulling in the arrow direction (3).
- Fix another bobbin immediately and prepare its winding during the sewing.





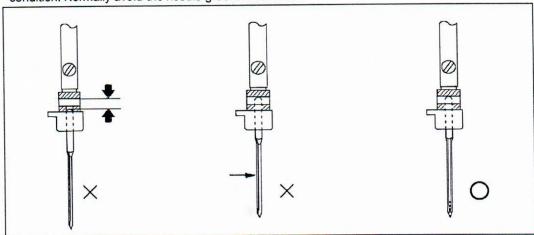
13 Insert the needle

Please use DPx17 NO. 90-120 needle, the thickness of needle should be decided according to the thickness of sewing material & thread. When insert the needle, rotate the hand wheel until the needle bar has reached its top position, loosen the screw on the lower part of the needle bar and insert the needle. Be sure that the long groove of the needle directly toward the operator and check whether the needle shank has reached the bottom of the needle hole. Fix the needle by tightening the screw.

Warning!

Before insert the needle, be sure to switch off the main switch.

If the terylene thread is broken when backstitch, turn the needle groove to right, maybe can avoid this condition. Normally avoid the needle groove face to left.

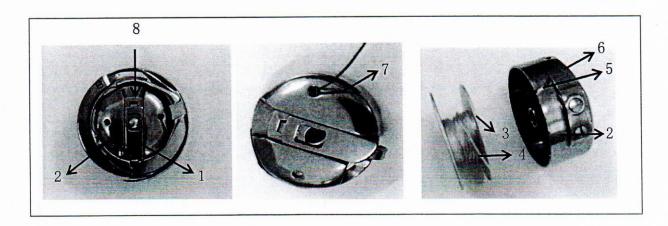


14 Bobbin fixing and hook threading

Attention! Danger of injury!

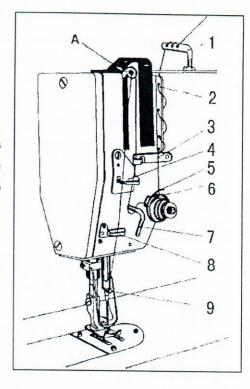
Switch the main switch off and wait for the motor stopping.

- → Tilt the flap (1), grip it and pull the bobbin case (2) out of the hook.
- → Put the bobbin (3) in the bobbin case with the thread end (4) oriented according to the picture.
- → Draw the thread end (4) through the slit (5), pull under the spring (6) and pull into the slit (7).
- Insert the case (2) back in the hook and press it down in the arrow direction (8) till the lock inside the case clicks and secures it against falling out.
- Make one stitch without the sewn material, and drawing the thread upper end, pull the hook thread end outwards above the throat plate.



15 To thread upper thread

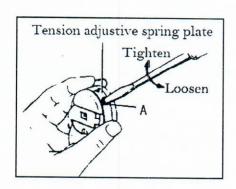
Let the take up lever at its highest position. Then threading as shown in picture. Unwind a sufficient portion of thread, and pass it through the thread guide (1) and (2), then lead it through the tension assembly (6) and thread take up spring (5), thread guides (7), (4) and (3) into the thread take up lever. Then downwards through the thread guide (4) and the lower thread guide (8) to the thread guide (9) on the needle bar, and to the needle. Insert it into the needle hole from the front side to the rear side.

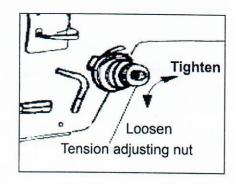


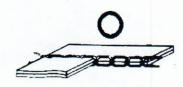
16 The thread tension adjustment

The tension of the upper and the lower thread must be interrelated that the stitch forming and the sewn material.

- To adjust the upper thread tension according to the lower thread tension. Turn the tension adjusting nut in clockwise to increase the tension, or inversely, to decrease it.
- → To adjust the lower thread tension by turning adjusting screw A.
- → It can adjust the take up spring to adjust upper thread tension for special sewn material and thread.



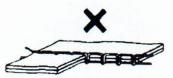




Balance tension



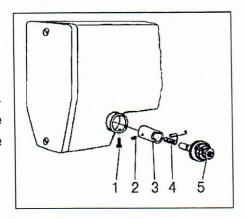
Upper thread tension too tight or lower thread tension too loose



Lower thread tension too tight or upper thread tension too loose

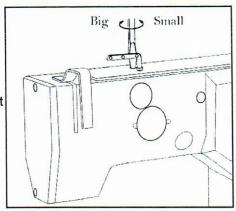
17 The thread take up spring tension adjustment

Loosen thread tension assembly screw (1), take away the thread tension assembly from machine to adjust the take up spring (4). Firstly loosen the screw (2) of bushing (3), and then adjust the angle position of lever (5). Turn it to left can decrease the elasticity of spring, or inversely, to increase it.



The presser foot pressure adjustment

- To adjust the presser foot pressure according to the sewn material.
- → Adjustment as shown in picture.
- → The pressure of sewing must to be adjusted as its min. value. But as same time, the pressure of presser foot must be sufficient to ensure reliable and continuous feeding even at the top speed.



Stitch length setting mechanism 19

Regulation

If the zero stitch length is set, the hand lever should perform no lost motion.

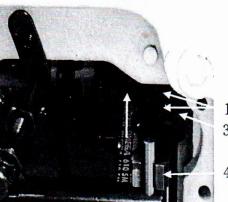
- → Loosen the screws (1)
- Set the setting knob (2) on the zero stitch length.
- Shift the lever (3) in the arrow direction until its fork is in bilateral contact with the screw spherical end on the knob (2) axis
- Tighten the screws (1).
- → Check whether the backtacking lever (4) performs any lost motion in this position.

Zero stitch length

If the zero stitch length is set, the connecting rod (3) should perform no motion.

- → Set the stitch length knob on the zero cipher.
- → Tilt the machine and loosen the screw (1).
- Shift the sleeve (2) until the position is found where the connecting rod (3) stops moving.
- → Tighten the screw (1).





20 Setting of zig-zag stitch width (throw) and position

Attention!

At setting the zig-zag stitch width (throw) and position the needle must not be inside the sewn material. There is a threat of the needle breaking!

Setting of zig-zag stitch width

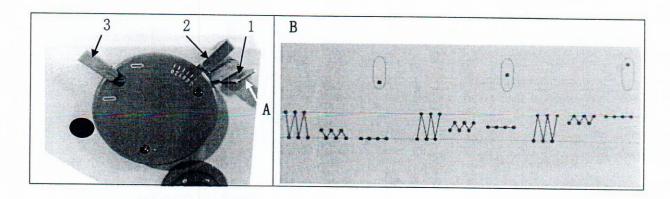
Press the lever (1) in the arrow direction (A) until it strikes the lever (2).

The lever arrest is released (2). Grip both levers at the same time and set the zig-zag stitch width by turning the lever (2) against the selected number indicating the stitch width.

→ Arrest the lever (2) position by turning the lever (1) against the arrow direction (A).

Setting of zig-zag stitch position

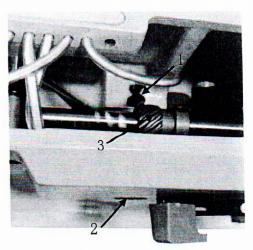
- Press the lever (1) in the arrow direction (A) until it strikes the lever (2)-the lever arrest is released (3). Make sure that the lever setting does not change at the arrest switching off (2).
- Press the lever (3) and turn it at the same time up to the stop (inside the machine) against the respective symbol indicating the zig-zag stitch position. Only the middle position of the lever is arrested with a lock.
- → After the lever (3) setting, carry out arresting with the lever (1).
- In picture (B) there are examples of setting the zig-zag stitch width and position from which it is visible that the zig-zag stitch width does not change at the position change.



21 Tooth clearance setting of zigzag stitch gear

The tooth clearance of zigzag stitch should be as small as possible.

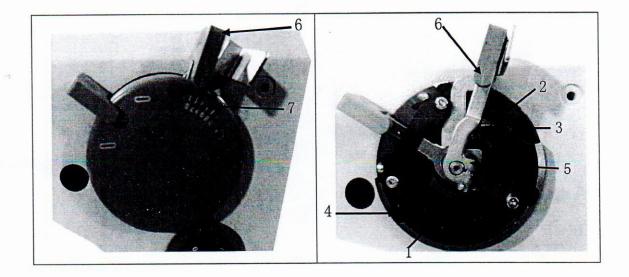
No overlap instead of clearance, however, may arise in any mutual position of the gears.



- → Dismantle the machine top cover.
- Loosen the screw (1) and turn the eccentric bolt (2) until the gear fitted on it strikes the gear (3). With regard of the gear runout, caused by manufacturing inaccuracy, turn the hand wheel by 1/4 revolution, and set the clearance again.
 - Repeat this 8 times (2 revolutions of the main shaft), until the eccentric bolt (2) position with the smallest tooth clearance is found. Locate the bolt (2) in this position and fix it with a screw (1).

22 Straight stitch alignment

The centrally positioned straight stitch must be fully aligned, i.e. the needle must not have any lateral motion.



- → Set the zero stitch length.
- → Loosen the screw (1).
- Place the stop pin (2) to the stop onto the casing (3).

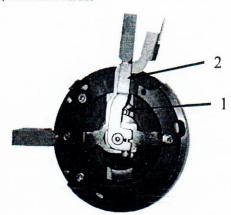
 Place a piece of paper onto the throat plate and turn the hand wheel there and back until the needle point makes 2 holes in the paper.
- Loosen 3 screws (4) and try to set the casing (3) angle position until the needle, when being turned, stabs there and back in the same hole in the paper.
- → Tighten the screws (3).

→ Fix the lever (5) so that the mark (6) is located opposite the zero on the zigzag stitch scale (7).

23 Zigzag stitch width

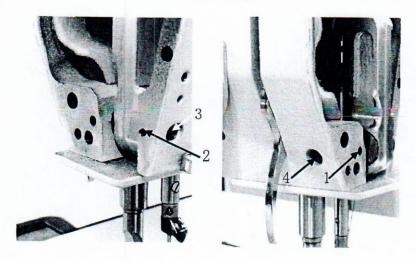
The zigzag stitch width setting must be limited to the value prescribed for the applied sewing equipment with the setting tolerance -5% of the prescribed value.

- → Set the zero stitch length.
- Place a piece of paper onto the throat plate.
- → Loosen the screw (1).
- Try to set the lever (2) in the position corresponding with the required zigzag stitch width. Turn the hand wheel there and back until the needle makes 2 holes in the paper. Measure their distance. Change the lever position (2) until the distance of the holes complies with the regulation.
- → Shift the screw (1) to the stop and tighten it.



24 Needle stab position setting in feeding direction

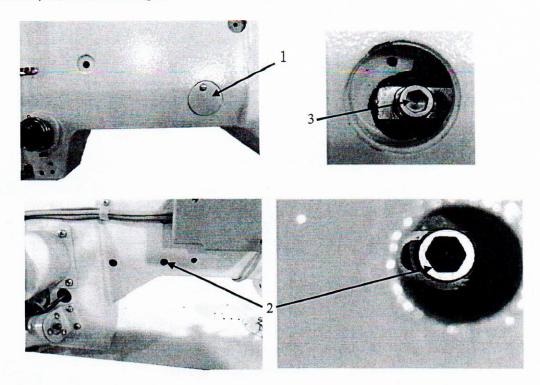
If the needle is in the bottom dead center, it should be positioned in the throat plate needle hole center in feeding direction and its lost motion in the feeding direction should be as small as possible.



- → Place the needle in the bottom dead center.
- → Loosen the arresting screws (1),(2), and the regulating screw (3).
- → Adjust the screw (4) so that the regulation is complied with and arrest it with the screw (1).
- Adjust the regulating screw (3) so that the lost motion (play) of the needle bar holder in the arrow direction is the smallest achievable one; rubbing must not occur.
- → Tighten the screw (2).

25 Lateral setting of needle stab position

Both dead centers of the needle lateral motion at the zigzag stitch sewing should be at the same distance from the throat plate needle hole edges.

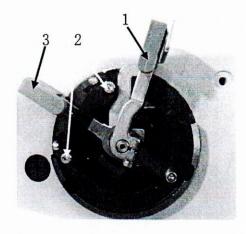


- → Dismantle the cover (1) and the hole stop (2) from the rear side.
- → Loosen both screws (3).
- → Set the maximum zigzag stitch width and adjust the positions of the needle lateral motion dead centers as per regulation.
- → Tighten both screws properly (3).

26 Lateral setting of central straight stitch position

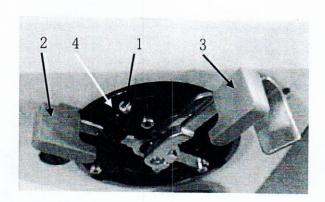
If the central straight stitch is set, the needle position should be approximately in the center of the presser foot or in the middle of the throat plate needle hole center.

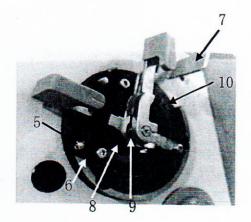
- → Set the zero width of the zigzag stitch with the lever (1).
- → Loosen the screws (2).
- → Shift the lever (3) until the needle shifts in the lateral direction to the throat plate needle hole center.
- → Tighten the screws (2).



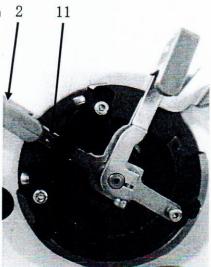
27 Lateral setting of straight stitches on throat plate needle hole edges, arresting of zigzag stitch setting mechanism

If the sewing equipment allows using the maximum zigzag stitch width, which is characteristic of the particular machine type,
the position of the border straight stitches should be adjusted so that it aligns with the zigzag stitch border. If the throat plate
needle hole is narrower than the maximum zigzag stitch width of the particular sewing machine type, the lever for the position setting
of the border stitch must be fixed in the central position.



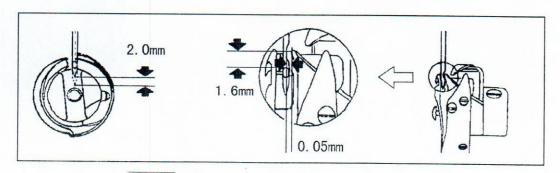


- → Loosen the screw (1) and turn the lever (2) in the position, in which the needle will perform no lateral motion when turning the lever (3).
- → Locate the stop (4) to the lever (2) and fix it with the screw (1).
- Loosen the screw (5) and turn the lever (2) to the position, in which the needle performs no side motion when moving the lever (3).
- → Locate the stop (6) to the lever (2) and fix it with the screw (5).
- Adjust the arresting lever (7) in this position. Tighten the arresting nut (8-invisible), loosen the screw (9), turn the lever (7) to 1mm space from the casing (10) and tighten the screw (9).
- If the sewing equipment does not allow using the maximum zigzag stitch width, screw the regulating screw (11) into the lever (2) and fix it in the central position.



28 The gap between hook assembly and needle adjustment

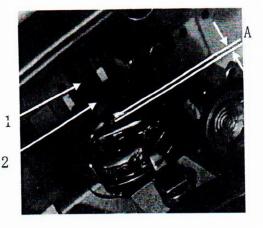
Adjust the stitch forming width to zero and turning round the hand wheel towards the machine, when the needle goes up 2mm from the lowest position, the position of needle hole should be lower 1.6mm than hook top. The hook top position should be accordant with the centerline of needle and the gap from hook top to needle slot bottom should be 0.05mm.



29 Bobbin case driver

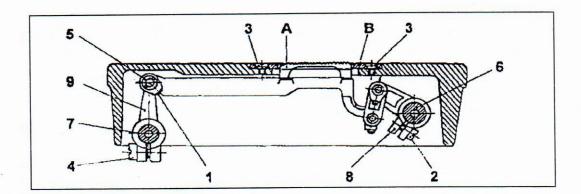
The distance between the bobbin case driver and the bobbin case groove bottom should be (A)=0.7mm.

- → Dismantle the throat plate and tilt the machine.
- → Loosen the screw (1).
- → Shift the driver (2) to the distance (A)=0.7mm.
- → Tighten the screw (1).



30 The feed dog height adjustment (see below picture)

The height of feed dog should be higher 1.0mm than needle plate. It is the standard for leaving factory. The height of feed dog can be adjusted to 0.8-1.2mm according to sewn material. To adjust it, turn pulley Wheel to the highest position of feed dog, loosen the screw (2) of the lifting lever (8) on the shaft (6), adjust it to the required height of the feed dog and retighten the screw.



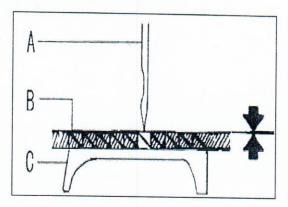
31 The feed dog obliquity adjustment (see above picture)

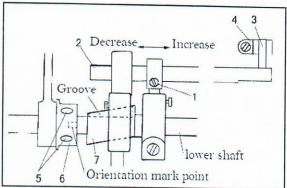
The standard position of feed dog is horizontal. It can be adjusted according to sewn material. To adjust it, loosen the screw (1) of the feeding lever (9) on the shaft (7), adjust the rear part of feed dog by correspondingly adjusting the position of eccentric pin (5), adjust it to the required height of the feed dog and retighten the screw.

32 Timing between needle and feed dog motion (see below picture)

When needle point A reaches needle plate top surface B, feed dog surface C should be keep accordant on height with needle plate top surface. It is the standard synchronous relationship. Adjusting method as below:

- → Orientation of lifting feed dog cam: see picture, lean the machine head backward, loosen screw (5), press lifting feed dog cam (6), turn pulley lightly, retighten the screw (5) when the angle becomes 90° between the orientation mark point of lifting feed cam with the groove of feed cam (7).
- Loosen the synchronous pulley screw of lower shaft, turn the pulley in machine rotation direction till the needlepoint move downward to touch the top surface of needle plate. Then turn lower shaft in machine rotation direction, retighten the synchronous pulley screw when feed dog surface keep accordant on height with needle plate top surface.



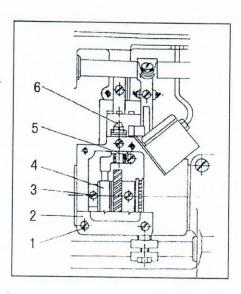


33 The forward/backward stitch length error adjustment (see above picture)

- → Adjust the forward/backward stitch length error through to adjust the position of the backstitch block on backstitch connection shaft.
- → Lean the machine head backward, loosen backstitch block screw (1). At same time, press backstitch pin (3) of backstitch connection shaft (2) in order to avoid it fall off backstitch control lever crank (4).
- Backstitch length will be increased when remove backstitch block to right, and it will be decreased when remove backstitch block to right, and it will be decreased when remove backstitch block to left.
- → Retighten backstitch block screw (1) after the adjustment is well.

34 The position between hook and opener motion adjustment

- Lean the machine head backward, screw out the bottom cover screw (1) of hook saddle, open bottom cover (2).
- Put the needle bar to its lowest position.
- Loosen thread finger cam screw (3), adjust thread finger cam (4), make thread finger site on the nearest position of hook, and then retighten thread finger cam screw.
- → Loosen hook opener screw (5), adjust the distance between thread finger and hook is 0.3~0.4mm。



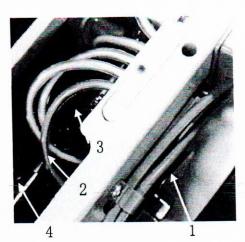
35 Form stitch of patterns cam series

The setting should be carried out in the sequence as described herein.

a Tooth clearance setting of form stitch gear

The tooth clearance of the form stitch gear should be as small as possible. No overlap instead of clearance, however, may arise in any mutual position of the gears.

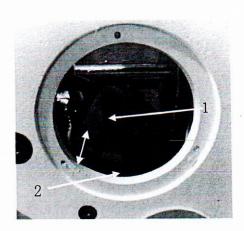
- → Dismantle the top cover.
- Turn the hand wheel 12 times in intervals of approximately 1/3 revolution and ascertain the tooth clearance, turning the steering cam (1) manually until the position with the smallest tooth clearance is found.
- → Loosen the screws (2), turn the gear in the smallest tooth clearance position, shift the cone scroll (3) to the right and set the tooth clearance as small as possible. Tighten the screws (2).
 - → Mount the regulating ring (4) on touch with the scroll (3).
 - Check the tooth clearance.

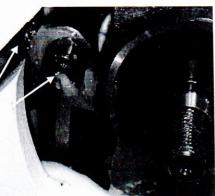


b Roller bolt position of form stitch steering cam

When changing the form stitch width, the stitch central axis should remain in its place. It should not shift laterally.

- → Mount the wheel steering cam of the straight stitch (from the machine rear side)
- → Dismantle the cover of the form stitch width setting mechanism.
- → Release the bolt (1) position by tilting the lever (2) in yourself direction.
- → Move the bolt (1) in the arrow direction and watch whether the needle is moving laterally. If yes, dismantle the steering cam, loosen the screw (3) and try to turn the eccentric bolt (4) to a different position and test whether the needle is changing its position. Repeat this until the eccentric bolt (4) position is found where the needle position does not change.
- → Tighten the screw (3).





C Setting of needle stab position

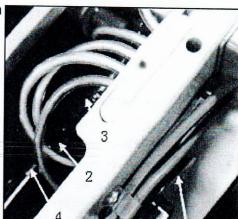
If the wheel steering cam of the straight stitch is mounted, the needle should be located in both directions in center of the throat plate needle hole.

- → Adjust the needle position in feeding direction as per section 24
- Adjust the needle lateral position similarly as in section 25 so that the needle is located in the needle hole center.

D Timing of form stitch steering cam to needle motion

When sewing the form stitch, the needle should shift in the lateral direction at the time when it is over the sewn material.

- → Dismantle the top cover.
- → Mount any form stitch cam (1).
- Loosen 4 screws (2) and turn the scroll (3) to the position where the regulation is complied with. Put the scroll (3) on touch with the regulating ring (4) and fix it.
- Check whether the needle is without any motion at the time when it is stabbed in the sewn material and adjust the setting, if needed.



1

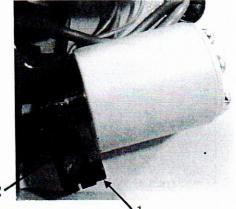
36 Form stitch of patterns cam with part number

NO. OF STITCHES	70206059	70206060	70206061	70206062	70206063	70206061	70206065
SEWING PATTERNS	•	M	("Y")	- AA	(J)		$\Lambda\Lambda$.
NO. OF STITCHES	70206066	70206067	70206068	70206069	70206070	70206071	70206072
SEWING PATTERNS	V-^V	-√\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Milwilla	$\mathbb{A}\mathbb{A}$	\triangle	\mathcal{W}	V

37 Backtacking with solenoid

At the maximum stitch length, at the backtacking mechanism dislocation with the solenoid, its movable core should not strike the fixed one.

- → Set the maximum stitch length.
- → Press the backtacking lever down to the stop and hold it in this position.
- → Loosen the screw (1), press the lever (2) down to the stop, and put it back by approximately 1mm.
- → Tighten the screw (1).
- Test whether its movable core does not strike the fixed one when the solenoid is switched on.



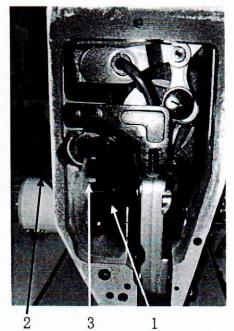
38 Presser foot lifting

A Manual foot lifting

Regulation

The foot stroke with the hand lever should be 5.5mm.

- \rightarrow Place the bottom feed dog under the level of the throat plate top surface.
- → Place an object of thickness 5.5mm under the foot.
- → Loosen the screw (1), lift the hand lever (2), press the driver (3) down to the lever (2) and tighten the screw (1).

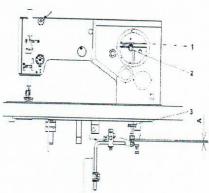


B Foot lifting with knee lever

Regulation

The foot stroke with the knee lever should be 12.5mm, the space (A) = approximately 2mm if the knee lever is in the initial position.

- Lower the presser foot on the throat plate.
- → Loosen the screw (1) and turn the lever (2) so that there is no space (A).
- → Tighten the screw (1).
- Try to adjust the ring (3) position and test how big the foot stroke with the knee lever is. Repeat this until the prescribed foot lifting is achieved.

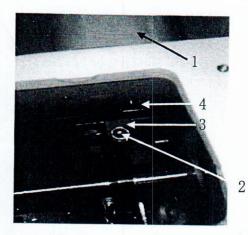


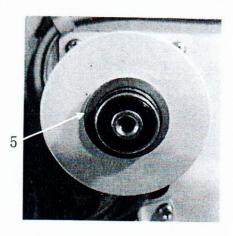
C Foot lifting with solenoid

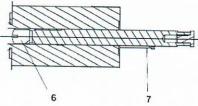
Regulation

The foot stroke with the solenoid is 12mm.

If the foot is lifted, the solenoid movable core should be at the stop onto the fixed core.







- Place the foot onto the throat plate.
- → Unscrew the solenoid (1) nut.
- → Loosen the screw (2).

Turn the lever (3) with the roller (4) almost on touch with the side, and tighten the screw (2).

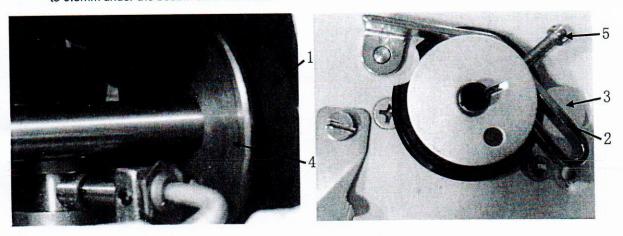
- → Remove the solenoid core (5).
- → Loosen the screw (6) and try to turn the screw (7) to any position.
- Insert the core (5) back in the solenoid, press it down and find out how big the solenoid stroke is. Repeat the procedure until the prescribed value is achieved.
- → Lock the screw (7) position with the screw (6).

39 Bobbin winder

Regulation

If the bobbin winder is switched off, the space between the driving and driven wheels of the bobbin winder should be as small as possible, but they must not touch each other.

When winding the thread, the bobbin winder should automatically switch off when the thread is wound up to 0.5mm under the bobbin outer diameter.



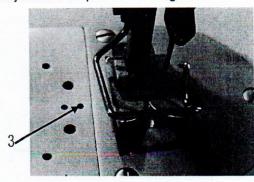
- Dismantle the machine arm top cover.
- → Shift the indented belt (1) with a screwdriver so that two screws of pulley are accessible and loosen them.
- → Mount the machine arm top cover and switch off the bobbin winder with the lever (2).
- Insert a hexagonal key through the hole (3) into the screw of the pulley and shift the indented belt pulley (4) to the left up to the stop. Afterwards shift it by 0.5mm to the right and tighten the screw. Then tighten also the other belt pulley fixing screw.
- → Adjust the switch lever with the screw (5) and test whether the adjustment complies with the regulation.

40 Thread trimming

A Trimming pressure between knives Regulation

The trimming pressure should be as large as possible, however, the knives should be on touch within the last part of the trimming knife path only.

- → Tilt the machine, loosen the screw (1), and remove the bolt (2).
- Set a high pressure between the trimming knives with the screw (3) so that the resistance against the knife motion is high within the whole motion path.
- Gradually reduce the knife pressure with the screw (3) until compliance with the regulation is achieved.
- → Mount the bolt (2) back again.



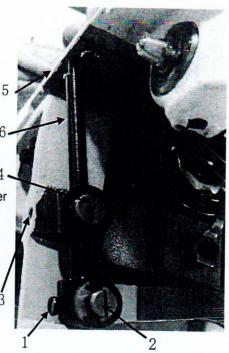


B Trimming lever

Regulation

The trimming lever (6) should be located as high as possible, but it should not rub the plate (5). The eccentric bolt (2) groove should be in horizontal position.

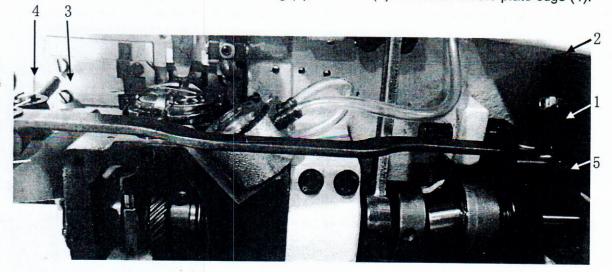
- → Tilt the machine.
- Loosen the screw (3) and turn the eccentric bolt (4) so that the lever does not rub (6) the plate (5), however, it should be positioned as high as possible. Tighten the screw (3).
- → Loosen the screw (1). Turn the eccentric bolt (2) so that its groove is almost horizontally positioned. Tighten the screw (1).



C Driver

Regulation

If the driver (1) touches the casing (2), the knife (3) should be on the plate edge (4).

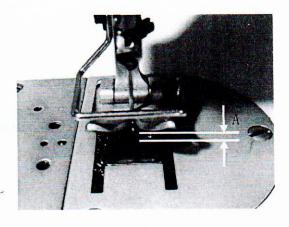


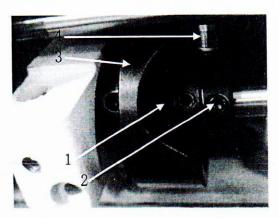
- → Tilt the machine.
- → Loosen the screw (5).
- → Shift the knife (3) as per regulation.
- → Place the driver (1) on touch with the casing (2) and tighten the screw (5).

D Trimming cam

Regulation

If the trimmer is not active, then the shortest distance between the cam (3) and roller (4) should be 0.1mm. Timing of the cam: if the needle point is approximately (A) = 1mm over the throat plate, the cam screws should be turned downwards and their axes perpendicularly to the machine base plate.





- → Tilt the machine.
- → Loosen the screws (1) and (2), set the distance 0.1mm by shifting the cam (3) and tighten the screws (1).
- → Put the ring (5) on touch with the cam (3) and tighten the screws (2).
- → Loosen the screws (1).
- → Set the needle point to the distance (A) = 1mm.
- → Set the cam (3) with the screws (1) downwards as per regulation and tighten them.

41 Electronic control and machine drive

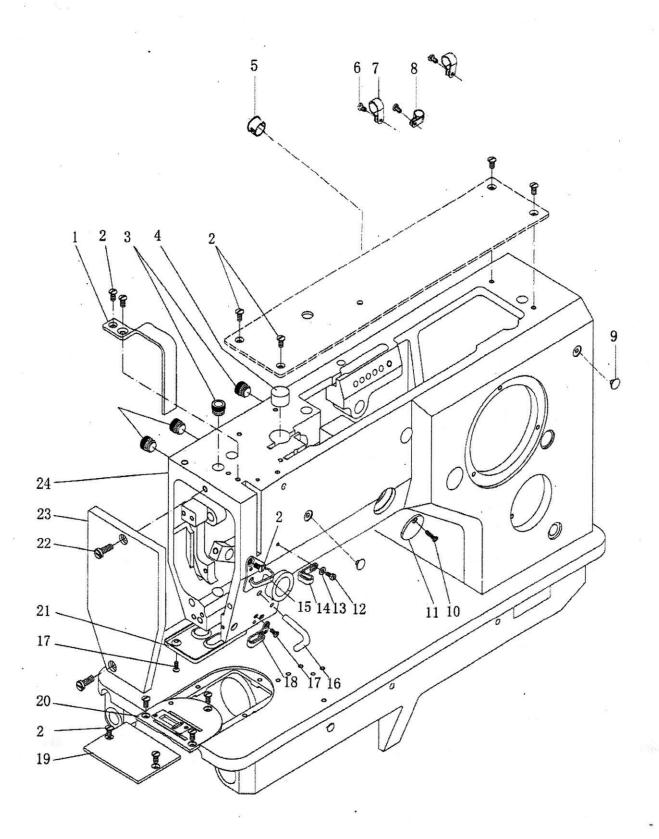
Refer to the electronic control instruction to be delivered with the machine.

CONTENT

A. Arm bed and its accessories	2
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C . Arm shaft and needle bar thread take up parts	6
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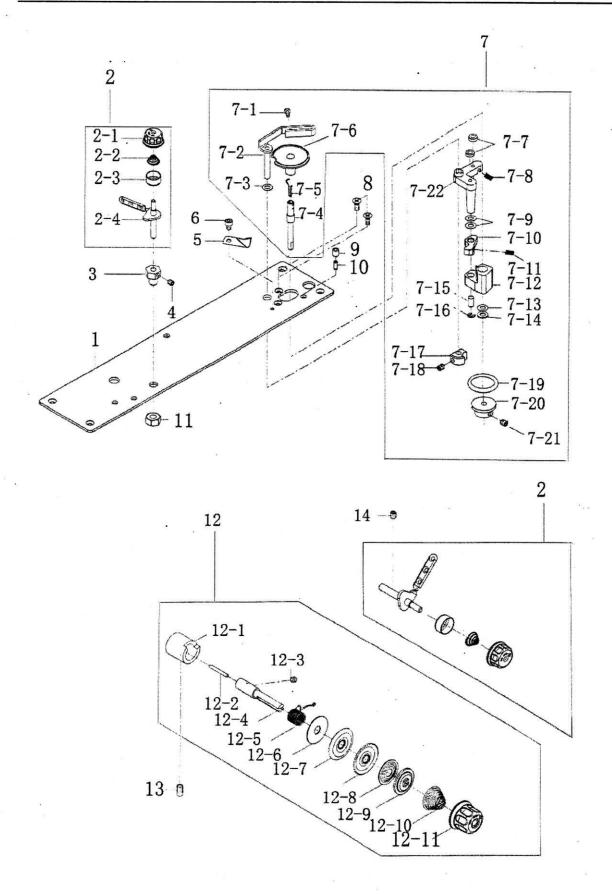
A. Arm bed and its accessories

Name	No.		Name	Q	ity	D
A02 7.02.15.388 Thread take up lever guard cover screv 5 5 M4×8 A02-1 7.02.15.1087 11 11 M4×8 A03 7.02.16.058 Plastic plug 5 4 A04 7.02.16.032 Felt 1 1 A05 7.02.15.1080 Upper clip of supply cord screw 3 3 M4×8 A07 7.02.16.167 Upper clip of supply cord 1 1 1 1 A08 7.02.16.166 Upper clip of supply cord 1 1 1 1 A09 7.02.15.393 Round cover screw 1 1 1 M3×12 A11 7.02.15.392 Round cover screw 1 1 M3×6 A12 7.02.15.392 Thread guide plate screw 1 1 M3×6 A13 7.02.14.028 Thread guide plate 1 1 M3×6 A15 7.02.14.027 Thread guide plate 1 1 M3×8 A16 7.02.15.390 Lower thread guide plate screw 1 1 M3×8 A19 </td <td>INO.</td> <td>Partino.</td> <td>Name</td> <td>small hook</td> <td>large hook</td> <td>Remark</td>	INO.	Partino.	Name	small hook	large hook	Remark
A02-1 7.02.15.1087 A03 7.02.16.058 Plastic plug Felt A05 7.02.16.500 Line card A06 7.02.15.1080 Upper clip of supply cord screw A07 7.02.16.167 Upper clip of supply cord A08 7.02.16.166 Upper clip of supply cord A09 7.02.16.501 Plastic plug A10 7.02.15.393 Round cover screw A11 7.02.11.063 Round cover A12 7.02.15.392 Round cover A13 7.02.15.392 Thread guide plate screw A14 7.02.14.028 A15 7.02.14.027 A16 7.02.14.025 A17 7.02.15.390 Lower thread guide plate screw A18 7.02.14.025 Thread guide plate screw A19 7.02.02.085 Slide plate A19 7.02.02.085 Slide plate A20 7.02.02.073 Slide plate A21 7.02.11.062 Felt splint A22 7.02.15.389 Panel screw A23 7.02.11.061 Panel A23 7.02.11.061 Panel A34 Felt splint A45 A17 A18 A18 A18 A19 A18 A19 A18 A19 A18 A19 A18 A19 A18 A19 A18 A18 A18 A19 A18	A01	7.02.11.059	Thread take up lever guard cover	1	1	
A02-1 7.02.15.1087 11 11 M4×8 A03 7.02.16.058 Plastic plug 5 4 A04 7.02.16.032 Felt 1 1 A05 7.02.16.500 Upper clip of supply cord screw 3 3 M4×8 A07 7.02.15.1080 Upper clip of supply cord 1 2 2 A08 7.02.16.166 Upper clip of supply cord 1 1 1 A09 7.02.15.393 Round cover screw 1 1 M3×12 A11 7.02.15.393 Round cover 1 1 M3×6 A12 7.02.15.392 Thread guide plate screw 1 1 M3×6 A13 7.02.18.070 Screw washer 1 1 M3×6 A14 7.02.14.028 Thread guide plate 1 1 M3×6 A15 7.02.14.025 Thread guide plate 1 1 M3×8 A17 7.02.15.390 Lower thread guide plate screw 1 1 M3×8 A18 7.02.02.085 Slide plate (without thread cutting)	A02	7.02.15.388	Thread take up lever guard cover screv	5	5	M4×8
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A06	A04	7.02.16.032	Felt	1	1	
A07 7.02.16.167 Upper clip of supply cord 1 2 A08 7.02.16.166 Upper clip of supply cord 1 1 A09 7.02.16.501 Plastic plug 2 2 A10 7.02.15.393 Round cover screw 1 1 M3×12 A11 7.02.11.063 Round cover 1 1 M3×6 A12 7.02.15.392 Thread guide plate screw 1 1 M3×6 A13 7.02.18.070 Screw washer 1 1 M3×6 A13 7.02.14.028 Thread guide plate 1 1 M3×6 A15 7.02.14.028 Thread guide plate 1 1 M3×8 A16 7.02.14.025 Thread guide lever (lower) 1 1 M3×8 A18 7.02.15.390 Lower thread guide plate 1 1 M3×8 A19 7.02.02.085 Slide plate(without thread cutting) 1 1 1 A20 7.02.02.086 Needle plate 1 1 1 A21 7.02.11.062 Felt splint	A05	7.02.16.500	Line card	1	1	
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A15 7.02.14.027 Thread guide plate 1 1 A16 7.02.14.025 Thread guide lever (lower) 1 1 A17 7.02.15.390 Lower thread guide plate screw 1 1 M3×8 A18 7.02.14.026 Lower thread guide plate 1 1 1 A19 7.02.02.085 Slide plate(without thread cutting) 1 1 1 A20 7.02.02.073 Slide plate 1 1 1 A20 7.02.02.086 Needle plate 1 1 A21 7.02.11.062 Felt splint 1 1 A22 7.02.15.389 Panel screw 2 2 M5×14 A23 7.02.11.061 Panel 1 1 1	A13	7.02.18.070	Screw washer	1	1	GB/T97.1 3
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A18	A16	7.02.14.025	Thread guide lever (lower)	1	1	
A19 7.02.02.085 Slide plate(without thread cutting) 7.02.02.073 Slide plate 1 1 A20 7.02.02.086 Needle plate 7.02.02.079 Needle plate 1 1 A21 7.02.11.062 Felt splint A22 7.02.15.389 Panel screw A23 7.02.11.061 Panel 1 1	A17	7.02.15.390	Lower thread guide plate screw	1	1	M3×8
7.02.02.073 Slide plate 1 1 A20 7.02.02.086 Needle plate 1 1 7.02.02.079 Needle plate 1 1 A21 7.02.11.062 Felt splint 1 1 A22 7.02.15.389 Panel screw 2 2 M5×14 A23 7.02.11.061 Panel 1 1	A18	7.02.14.026	Lower thread guide plate	1	1	18
A20 7.02.02.086 Needle plate 1 7.02.02.079 Needle plate 1 A21 7.02.11.062 Felt splint 1 A22 7.02.15.389 Panel screw 2 2 M5×14 A23 7.02.11.061 Panel 1 1 1	A19	7.02.02.085	Slide plate(without thread cutting)			
7.02.02.079 Needle plate 1 A21 7.02.11.062 Felt splint 1 1 A22 7.02.15.389 Panel screw 2 2 M5×14 A23 7.02.11.061 Panel 1 1 1		7.02.02.073	Slide plate	1	1	
A21 7.02.11.062 Felt splint 1 1 A22 7.02.15.389 Panel screw 2 2 M5×14 A23 7.02.11.061 Panel 1 1 1	A20	7.02.02.086	Needle plate		1	
A22 7.02.15.389 Panel screw 2 2 M5×14 A23 7.02.11.061 Panel 1 1		7.02.02.079	Needle plate	1	-	
A23 7.02.11.061 Panel 1 1	1		Felt splint	1	1	
	1		Panel screw	2	2	M5×14
A24 7.01.02.013 Machine frame 1 1 1	1	1		1	1	
	A24	7.01.02.013	Machine frame	1	1	
			*			
			- A			
			- m			-
			4			



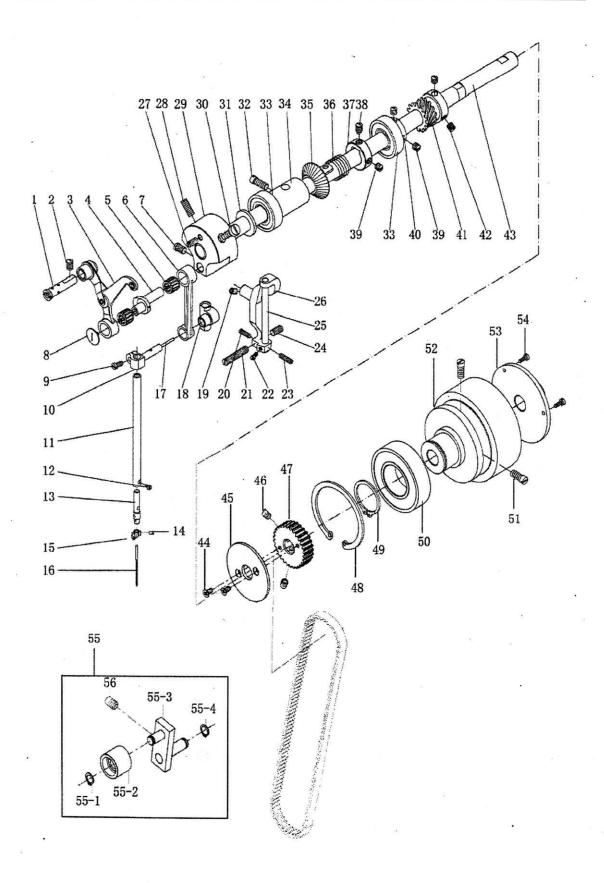
B. Brbbin winder and thread tension parts

No. PartNo. Name Oth Small hook large hook Remail hook large hook Small hook large hook Remail hook large hook Small hook large hook Remail hoo	rk
B02	110
2-1 2-2 2-3 7-2 2-3 7-2 2-3 7-2 2-3 7-2 2-3 7-2 2-3 7-2 2-3 7-2 7-3 7-1	18
2-2	
Tension disc	
2-4 B03 7.02.08.369 B04 7.02.15.056 A05 7.02.20.070 B06 7.02.15.1031 B07 7.02.01.213 Thread winder thread cutter 1 1 1 M4×6 Thread winder assy. 1 1 M3×8 Thread winder stopper rod 1 1 M3×8 Thread winder lever 1 1 M3×8 Thread winder lever 1 1 M3×8 Thread winder stopper rod 1 1 M3×8 Thread winder lever 1 1 Thread winder mounting screw 2 2 Thread winder mounting screw	
B03 7.02.08.369 Thread tension plate bushing 1 1 1 1 1 1 1 1 1	
B04 7.02.15.056 A05 7.02.20.070 Thread winder thread cutter 1 1 1 1 1 1 1 1 1	
A05	
B06	
B07	
7-1	
Thread winder stopper rod 1	
7-3	
7-4	ū.
7-5 7-6 7-7 7-8 7-9 7-10 7-10 7-11 7-12 7-13 7-14 7-15 8ushing 1 1 1 1 1 1 1 1 1	i
Total Process of the process of t	
7-7	
7-8 7-9 7-10 7-10 7-10 7-11 7-12 7-12 7-13 7-14 7-15 8 8 8 7-16 7-17 8 8 8 7-19 8 8 7-19 7-10 8 8 8 7-19 7-20 7-20 7-21 7-22 808 7-02.08.362 7-02.08.362 7-02.08.362 7-02.08.362 7-10 8 8 7-19 7-20 7-02.08.362 7-02.08.362 7-10	
7-9	
7-10	
7-11	ė,
7-12	
7-13	
7-14	
7-15 Bushing 1	
7-16 Retainer ring 1 1 GB/T896-86 7-17 Stopper block 1 1 M5×6 7-18 Screw 1 1 M5×6 7-19 Rubber ring 1 1 1 7-20 Rubber ring seat 1 1 1 7-21 Screw 1 1 M5×6 7-22 Thread winder and tension bracket base 1 1 M5×6 Thread winder mounting screw 2 2 M4×12 B09 7.02.08.362 Pin bushing 1 1 1	
7-17 Stopper block 1 1 1 M5×6 7-18 Screw 1 1 M5×6 7-19 Rubber ring 1 1 1 7-20 Rubber ring seat 1 1 1 7-21 Screw 1 1 M5×6 7-22 Thread winder and tension bracket base 1 1 M5×6 Thread winder mounting screw 2 2 M4×12 B09 7.02.08.362 Pin bushing 1 1 1	
7-18 Screw 1 1 M5×6 7-19 Rubber ring 1 1 1 7-20 Rubber ring seat 1 1 1 7-21 Screw 1 1 M5×6 7-22 Thread winder and tension bracket base 1 1 M5×6 Thread winder and tension bracket base 1 1 1 M4×12 B09 7.02.08.362 Pin bushing 1 1 1	-5 Ф3
7-19	
7-20	
7-21	
7-22 Thread winder and tension bracket base 1 1 1 1 1 1 1 1 1	
B08 7.02.15.1087 Thread winder mounting screw 2 2 M4×12 B09 7.02.08.362 Pin bushing 1 1	
B09 7.02.08.362 Pin bushing 1 1	
B10 7.02.10.302 Pin 1 1 1	
TO AND THE PROPERTY OF THE PRO	
	il .
12-1	149
12-3 Screw 1 1 1	
12-4 Support rod 1 1	
Thread take up spring 1 1	
12-6 Washer	
12-7 Thread tension plate 2 2	
12-7	
12-9 Tension releasing plate 1 1	
12-10 Tension spring 1 1	
12-11 7.02.16.502 Tension spring regulating handle 1 1	
B13 7.02.15.006 Screw 1 1 M4×8	
B14 7.02.15.1065 Screw 1 1 M4×5	



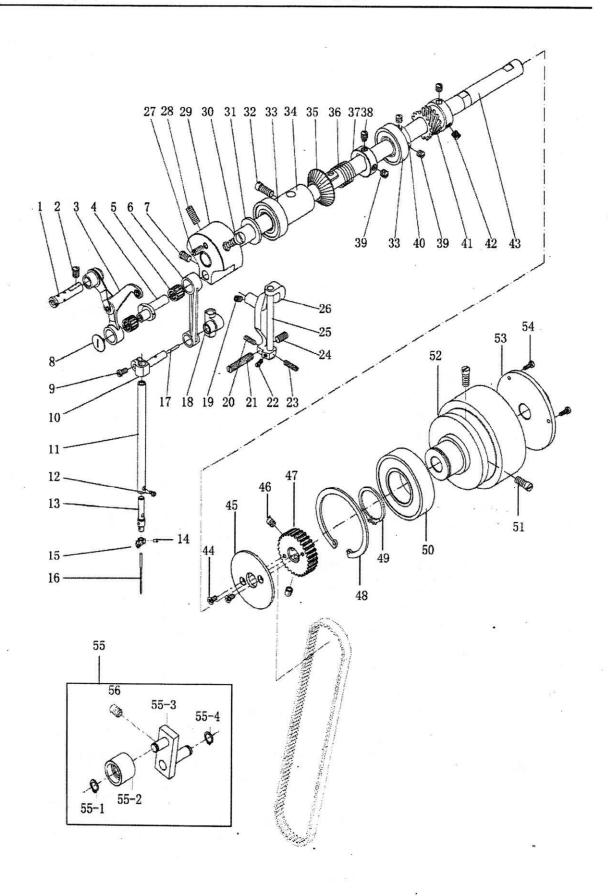
C. Arm shaft and needle bar thread take up parts

No.	PartNo.	Nama	Namo Qty		D1
140.	Faitino.	Name	small hook	large hook	Remark
C01	7.02.10.091	Thread take up lever support stud	1	1	
C02	7.02.15.411	Thread take up lever support stud screw	1	1	M6(0.75)×8
C03	7.02.05.066	Thread take up lever assy.		1	
	7.02.05.530	Thread take up lever assy,	1		
C04	7.02.06.036	Libra crank		1	= 22
	7.02.06.087	Libra crank	1		
C05	7.02.04.025	Bearing	2	2	HK0810
C06	7.02.05.067	Needle bar link	1	1	
C07	7.02.15.395	Libra crank screw	1	1	M6(0.75)×7.5
C08	7.02.15.413	Thread take up crank screw	1	1	9/64(40)×5.5
C09	7.02.15.408	Needle bar joint screw	1	1.	M4×8
C10	7.02.02.088	Needle bar joint	1	1 .	
C11	7.02.03.071	Needle bar	1	1	
C12	7.02.15.409	Needle clamp shaft screw	1	1	M2.5×5
C13	7.02.10.090	Needle clamp shaft	1	1	-
C14	7.02.15.412	Screw	1	1	M3×5.8
C15	7.02.14.033	Needle clamp washer	1	1	
C16	7.02.21.140	Needle	1	1	19#
C17		Needle bar connection wick	1	1	Φ2×25mm
C18	7.02.05.065	Needle bar connection holder	1	1	
C19	7.02.15.056	Needle bar connection bracket tighten screw	1	1	M5×5
C20	7.02.15.400	Needle bar connection bracket screw (back)	1	1	M4×12
C21	7.02.15.401	Needle bar connection bracket screw (left)	1	1	M6(0.75)×30
C22	7.02.15.037	Needle bar connection bracket shaft screw	1	1	M3×6
C23	7.02.15.404	Needle bar connection bracket screw (front)	1	1	M4×16
C24	7.02.15.403	Needle bar connection bracket screw (right)	1	1	M6(0.75)×11
C25	7.02.10.089	Needle bar connection bracket shaft	1	1	
C26	7.02.05.064	Needle bar connection bracket	1	1	
C27	7.02.15.396	Tighten screw	1	1	M5×10
C28	7.02.15.397	Needle bar crank tighten screw	1	1	M6(0.75)×15
C29	7.02.06.035	Needle bar crank	1	1	
C30	7.02.15.398	Needle bar crank orientation screw	1	1	M6(0.75)×17.5
C31	7.02.16.090	Felt	1	1	
C32	7.02.15.399	Arm shaft bushing screw	1	1	M6×14
C33	7.02.04.024	Arm shaft bearing	2	2	6003-2Z
C34	7.02.08.095	Arm shaft bushing	1	1	
C35	7.02.07.059	Winder drive pulley	1	1	47
C36	7.02.17.094	Replacement spring	1	1	l
C37	7.02.09.032	Winder drive pulley collar	1	1	



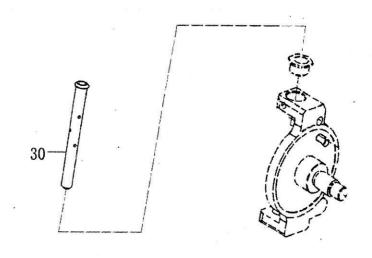
C. Arm shaft and needle bar thread take up parts

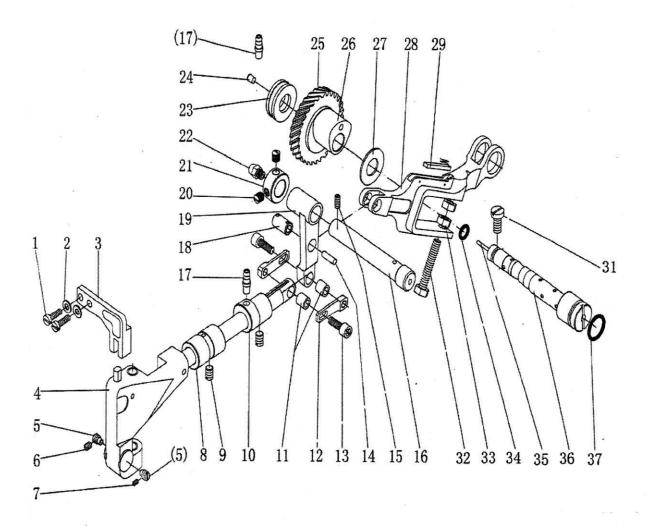
Γ	N			Qty		
	No.	PartNo.	Name		large hook	Remark
	C38	7.02.15.407	Drive pulley orientation screw	1	1	M6(0.75)×7
	C39	7.02.15.428	Collar screw	3	3	M6(0.75)×5
	C40	7.02.08.102	Arm shaft bearing collar	1	1	
	C41	7.02.07.051	Vibrating needle drive gear	1	1	,
	C42	7.02.15.126	Small gear screw	3	3	1/4(40)×7
	C43	7.02.03.490	Arm shaft	1	1	
1	C44	7.02.15.797	Stopper plate screw	2	2	
	C45	7.02.11.224	Stopper plate	1	1	
1	C46	7.02.15.057	Screw	2	2	M6×1×8
	C47	7.02.07.195	Synchronous pulley (upper)	1	1	
1	C48	7.02.18.076	Elastic stop ring	1 .	1	GB/T893.1-1986- 62
1	C49	7.02.18.078	Elastic stop ring	1	1	GB/T894.1-1986- 30
1	C50	7.02.04.027	Arm shaft bearing (right)	1	1	6206-2RS
1	C51	7.02.15.399	Pulley mounting screw	2	2	M6×14
، ،	C52	7.02.07.054	Pulley	1	1	ž.
1	C53	7.02.11.064	Pulley cover	1	1	
1	C54	7.02.15.432	Pulley cover screw	3	. 3	M3×8
1	C55	7.02.01.211	Tension wheel assy.	1	1	
1	55-1		Retainer ring	1	. 1	
15	55-2		Friction pulley	1	1	
15	55-3	9 2	Tension wheel base	1	1	
15	55-4		Retainer ring	1	. 1	Ф10
1	C56		Screw	1	1	M8×12
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D. Needle bar vibrating parts

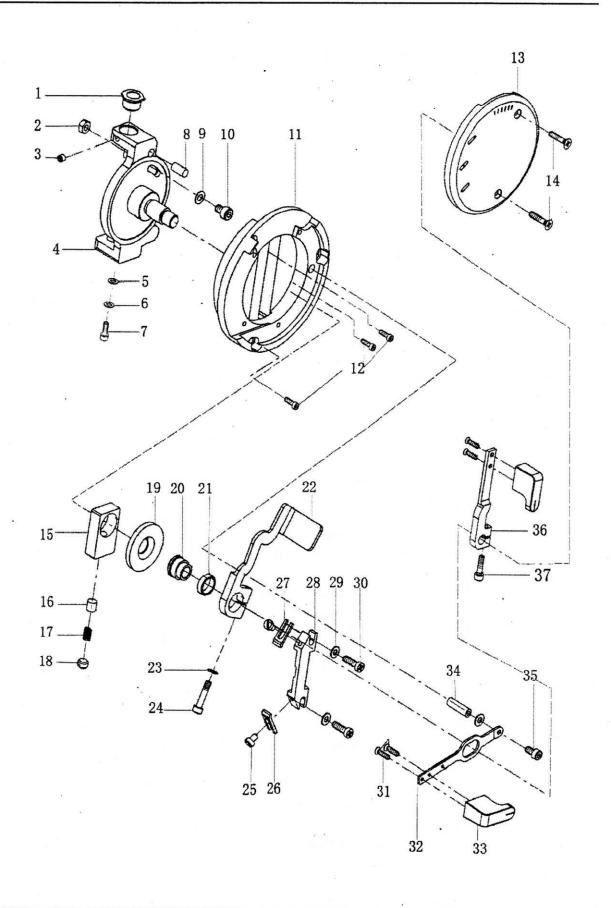
No.	PartNo.	Name	Q	ity	Domork
	A PRODUCTION CONTRACTOR		small hook	large hook	Remark
D01		Fixed bracket screw	5	5	M4×14
D02	Some control of the c	Washer	2	2	GB/T97.1 4
D03	7.02.13.043	Needle bar vibrating fixed bracket	1	1	21
D04	7.02.01.039	Needle bar vibrating bracket	1	1	
D05	7.02.15.407	Needle bar vibrating bracket screw	2	2.	M6(0.75)×7
D06	7.02.15.391	Tighten screw	1	1	M4×5
D07	7.02.15.406	Tighten screw	1	1	M3×4
D08	7.02.08.096	Needle bar vibrating shaft bushing (left)	1	. 1	
D09	7.02.15.410	Needle bar vibrating shaft bushing screw	2	2	M6×8
D10	7.02.08.097	Needle bar vibrating shaft bushing (right)	1	1	
D11	7.02.08.101	Connection bushing	2	2	
D12	7.02.17.091	Connection plate	2	2	
D13	7.02.15.443	Connection screw	2	2	M5(0.5)×14
D14		Felt	1	1	- 200 - 202
D15	7.02.15.049	Needle feeding crank shaft tighten screw	1	1	M5×8
D16	7.02.03.075	Needle feeding crank shaft	- 1	1	•
D17	7.02.16.059	Oil spile	2	2	
D18	7.02.10.093	Connection shaft	1	1	
D19	7.02.05.076	Link lever	1	- 1	
D20	7.02.15.428	Collar screw	2	2	M6(0.75)×5
D21	7.02.09.030	Needle feeding crank shaft collar	1	1	
D22	7.02.16.067	Coppery oil spile	1	1	#1 84
D23	7.02.04.026	Bearing	1		51101
D24	7.02.16.064	Aluminium oil plug	1	1	
D25	7.02.07.050	Vibrating needle driven gear	1	1	
D26	7.02.06.092	Vibrating needle cam	1		
D26	7.02.06.037	Vibrating needle cam		1	
D27	7.02.18.075	Coppery washer	1	1	
D28	7.02.05.077	Vibrating needle link lever	1	1	
D29	7.02.16.056	Felt	1	1	
D30	7.02.03.491	Vibrating range shaft	1	1	
D31	7.02.15.426	Vibrating needle eccentric shaft screw	1	1	M6×12
D32	7.02.15.446	Vibrating needle link rod screw	1	1	M6(0.75)×34
D33	7.02.15.449	Vibrating needle link rod screw locking nut	2		M6(0.75)
D34		Vibrating needle eccentric shaft o-ring (small)	1	1	2.20(0.70)
D35		Oil wick	1		Φ2×80mm
	7.02.10.094	Vibrating needle eccentric shaft	1	1	
	7.02.16.066	O-ring (big)	1	1 .	
	7.02.08.099		1	1	
	7.02.08.100		1	1	
	7.02.15.427		1	1	





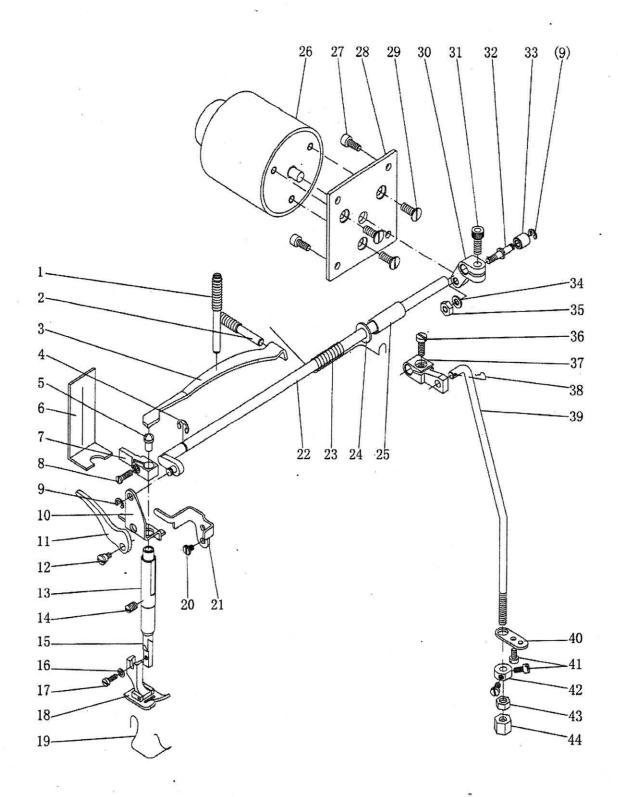
E. Needle bar vibrating parts

		ating parts	Qty		
No.	PartNo.	Name	small hook	large hook	Remark
E01	7.02.08.367	Eccentric bushing	1	1	
E02	7.02.15.268	Nut	1	1	M4
E03	7.02.15.047	Screw	1	1	M4×4
E04	7.02.13.440	Vibrating bracket	1	1	
E05	7.02.18.016	Washer	1	1	8
E06	7.02.18.055	Elastic washer	1	1	Φ5
E07	7.02.15.053	Screw	1	1	M5×12
E08	7.02.10.303	Retainer ring	1	1	3
E09	7.02.18.057	Washer	1	1	
E10	7.02.15.1031	Screw	1	1	M4×6
E11	7.02.06.084	Turntable	1	1	•
E12	7.02.15.405	Turntable mounting screw	3	3	M4×14
E13	7.02.16.503	Scale		1	
	7.02.16.105	Scale	1		
E14	7.02.15.1088	Screw	2	2	M4×15
E15	7.02.12.082	Slide block	1	1	
E16	7.02.16.509	Adjusting plug	1	1	
E17	7.02.17.480	Spring	1	1	
E18	7.02.15.423	Adjusting screw	1	1	5
E19	7.02.18.400	Washer	1	1	
E20	7.02.15.1084	Nut	1	1	
E21	7.02.08.361	Stopper spanner handle bushing	1	1	
E22	7.02.05.510	Stopper spanner	1	1	
E23	7.02.18.057	Washer	1	1	
E24	7.02.15.552	Screw	1	1	M4×20
E25	7.02.15.026	Screw	2	2	M4×6
E26	7.02.11.591	Clamp plate (left)	1	1	
E27	7.02.11.592	Clamp plate (right)	1	1	
E28	7.02.11.593	Stopper plate	1	1	क ल
E29	7.02.18.071	Washer	3	3	2.
E30	7.02.15.405	Screw	2	2	M4×14
E31	7.02.15.421	Screw	4	4	M3×12
E32	7.02.05.511	Vibrating needle spanner	1	1	
E33	7.02.16.504	Handle	2	2	
E34	7.02.15.1082	Nut	- 1	1	
E35	7.02.15.837	Screw	1	1	88.7
E36	7.02.05.512	Changing-over spanner	1	1	
E37	7.02.15.417	Screw	1	1	M4×12



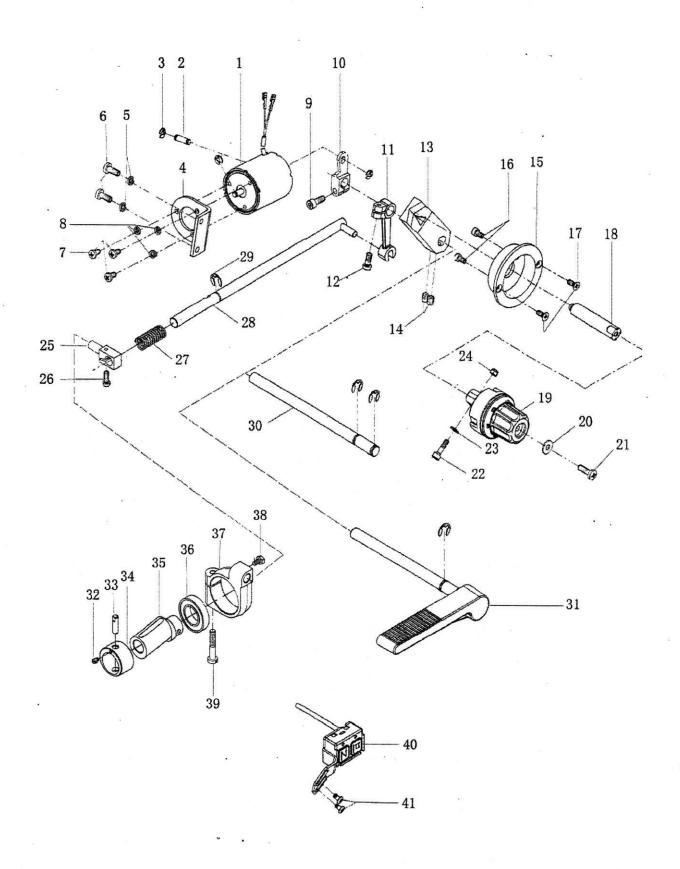
F. Presser foot parts

No.	PartNo.	Name	C	lty	
140.	Faitino.	Name	small hook	large hook	Remark
F01	7.02.15.414	Presser foot pressure adjustive screw .	1	1	
F02	7.02.15.415	Presser bar spring support screw	1	1	
F03	7.02.17.085	Presser bar spring	1	1 .	
F04	7.02.18.072	E-ring	1	1	GB/T896-1986-6
F05	7.02.10.092	Presser bar pin	1	1	
F06	7.02.16.033	Felt	1	1	
F07	7.02.12.045	Presser bar slide block	1	1	<i>a</i>
F08	7.02.15.417	Presser bar slide block screw	1	1 - 1	M4×12
F09	7.02.18.031	E-ring	1	2	GB/T896-1986-4
F10	7.02.17.087	Presser foot lifting connection plate	1	1	
F11	7.02.05.068	Presser bar spanner	1	1	
F12	7.02.15.418	Presser bar spanner screw	1	1	
F13	7.02.08.098	Presser bar bushing	1	1	
F14	7.02.15.411	Presser bar bushing tighten screw	1	1	M6(0.75)×8
F15	7.02.03.072	Presser bar	1	1	
F16	7.02.18.057	Presser foot screw washer	1	1	
F17	7.02.15.419	Presser foot screw	i	2007	M3.5×10
F18	7.02.02.089	Presser foot		1	1.2.0
	7.02.02.080	Presser foot	1	•	
F19	7.02.17.088	Spring	1	1	
F20	7.02.15.394	Release lever screw	1	1	
F21	7.02.05.063	Release lever	1	1	
F22	7.02.03.073	Presser foot lifting shaft	1	1	
F23	7.02.17.086	Replacement spring	1	1	
2007000	7.02.18.060	Washer	1	1	GB/T97.1 8
	7.02.08.040	Presser foot lifting shaft bushing	1 1	1	GB/177.1 0
F26	7.02.19.041	Presser foot lifting electromagnetic		i l	
F27	7.02.15.1085	Fixed plate screw	4		M5×12
	7.02.11.095	Lifting presser foot electromagnetic fixed plate	1	1	1415~12
	7.02.15.105	Lifting presser foot electromagnetic screw	3	1	M6×8
F30	7.02.06.081	Presser foot lifting crank	1	1	
F31	7.02.15.048	Presser foot lifting crank screw	1		M6×15
F32	7.02.10.146	Presser foot lifting crank pin	1	1	
	7.02.12.081	Slide pole	1	1	
2000000 00	7.02.18.016	Washer	1	7876C	GB/T97.1 5
	7.02.15.068	Presser foot lifting crank pin nut	1		GB/T 6170 M5
	7.02.15.416	Knee lifting crank screw	1		M5×12
- 1	7.02.05.069	Knee lifting crank	1	1	1415~12
	7.02.17.041	Pin	1	1	
- 1		Presser foot lifting link lever	1	1	
- 1		Link lever fixed plate	1	1	
	7.02.15.420	Link lever fixed plate	3		M4×6
CORP SON I	NE E V	Link lever collar	1	1	ITA-T^U
		Nut	1	1	
- 1		Knee lifting connection nut	1	1	_



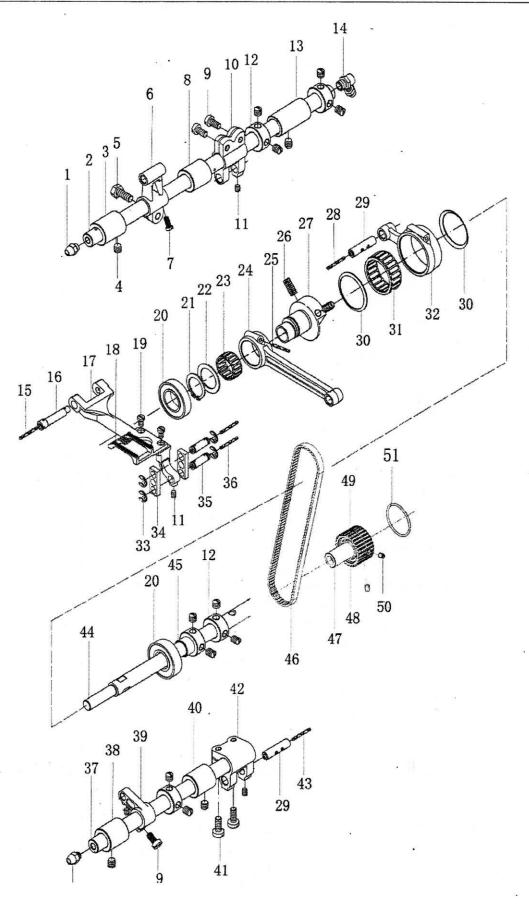
G. Stitch length adjustment and backstitch parts

-		adjustment and backstitch	Qty		i ·
No.	PartNo.	Name		large hook	Remark
G01	7.02.19.040	Backstitch electromagnetic	. 1	1	
G02	7.02.10.304	Backstitch electromagnetic pin	1	1	
G03	7.02.18.031	E-ring	3	3	
G04	7.02.13.443	Backstitch electromagnetic fixed plate	1	1	
G05	7.02.18.055	Spring washer	2	2	
G06	7.02.15.1085	Screw	2	2	
G07	7.02.15.1080	Screw	3	3	M4×8
G08	7.02.18.098	Spring washer	3	3	Φ4
G09	7.02.15.058	Screw	1	1	1000 CO
G10	7.02.06.085	Backstitch electromagnetic crank	1	1	.5
G11	7.02.05.080	Backstitch control lever crank	1	1	St.
G12	7.02.15.416	Crank screw	2	2	M5×12
G13	7.02.05.513	Stitch length vibrating lever	1	1	
G14	7.02.15.057	Screw	2	2	M6×1×6
G15	7.02.13.441	Stitch length holder	1	1	
G16		Screw	2	2	_
G17	7.02.15.1087	Screw	2	2	
G18	7.02.03.492	Stitch length shaft	1	1	9 0
G19	7.02.01.212	Stitch length adjustment assy.	1	. 1	
G20	7.02.18.017	Washer	1	1	
G21	7.02.15.1086	Screw	1	1	M5×20
G22	7.02.15.1074	Screw	1	1	
G23	7.02.18.042	Washer	1	1	
G24	7.02.15.574	Nut	1	1	18
G25	7.02.12.050	Backstitch block	1	1	ä.
G26	7.02.15.424	Backstitch block screw	1	1	M4×12
G27	7.02.17.092	Replacement spring	1	1	
G28	7.02.03.076	Backsitch connection shaft	1	1	
G29	7.02.18.028	E-ring	2	3	Φ8.
G30	7.02.03.493	Backsitch shaft	1	1	
G31	7.02.03.077	Backsitch shaft			
G32	7.02.01.04204	Orientation pin screw	1	1	
G33	7.02.01.04203	Orientation pin	1	1	
G34	7.02.01.04202	Feed backstitch cam bushing	1	1	
G35	7.02.01.04201	Feed backstitch cam	1	1	
G36	7.02.04.024	Backstitch cam bearing	1	1	6003
G37		Backstitch cam crank	1	1	*
G38		Backstitch block tighten screw	1	1	M4×6
G39		Backstitch cam crank screw	1	1	M5×30
G40		Switch	1	1	
G41	7.02.15.1080	Screw	2	2	
G42	7.02.07.197	Gear	2	2	



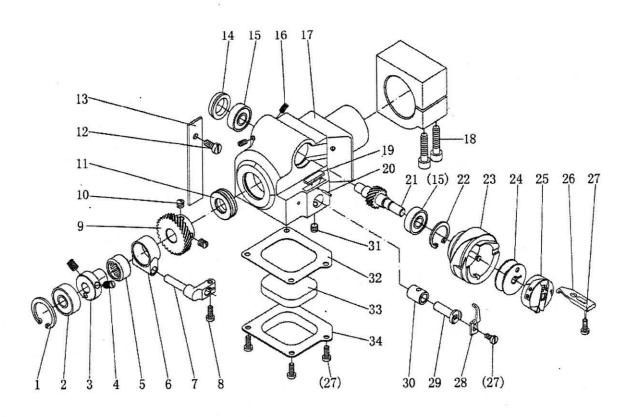
H. Lower shaft, feed dog and presseer foot lifting parts

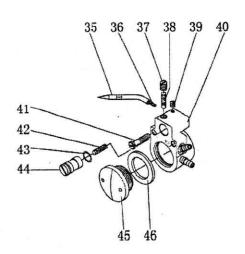
No.	PartNo.	Name		lty	Remark
			small hook	large hook	Kemark
H01	7.02.16.067		2	2	
H02		Feed shaft	1	1	
H03	7.02.08.103	Feed shaft bushing (left)	1	1	
H04		Bushing screw	12	14	$M6(0.75)\times 5$
H05		Feed crank (left) screw	1	1	M6×14
H06		Feed crank (left)	1	1	
H07		Feed dog holder adjustive pin screw	1	1	M4×8
H08	7.02.08.104	Feed shaft bushing (middle)	1	1	
H09	7.02.15.430	Feed crank (right) screw	3 .	3	M5×10
H10	7.02.06.038	Feed crank (right)	1	1	
H11		Feed crank pin screw	4	4	M4×5
H12	7.02.09.030		3	4	
H13	7.02.08.105	Feed shaft bushing (right)	1	1 .	8
H14	7.02.16.072	Oil spile (big)	1	1	
H15		Feed dog holder adjustive pin oil wick	2	2	Φ2×160mm
H16		Feed dog holder adjustive pin	1	1	
H17		Feed dog holder	1	1	
H18	7.02.02.087			1	a a
	7.02.02.081		1	*	
H19		Feed dog screw	2	2	M4×6
H20	7.02.04.015	Lifting feed dog cam bearing	2	2	6002
H21	7.02.18.079	Elastic stop ring	1	1	GB/T894.1-1986- 18
H22	7.02.18.080	Washer	1	1	
H23	7.02.04.030	Lifting feed dog cam link lever bearing	1	1	
H24	7.02.05.082	Lifting feed dog cam link lever	1	1	
H25		Lifting feed dog cam link lever oil wick	1		Φ2×350mm
H26	7.02.15.050	Lifting feed dog cam screw	2	58	M6(0.75)×8
H27	7.02.07.055	Lifting feed dog cam	1	1 .	
H28		Backstitch cam link lever oil wick	1		Φ2×200mm
H29		Feed crank pin	2	2	
H30		Bearing washer	2	2	
H31	7.02.04.029	Backstitch cam link lever bearing	1	1	
H32	7.02.05.083	Backstitch cam link lever	1	1	
H33	7.02.18.039	E-ring	-4	4	GB/T896-1986-5
H34	7.02.11.065	Connection plate	2	2	
H35		Lifting feed dog link lever pin	2	2	
H36		Lifting feed dog link lever pin oil wick	1	1	Φ2×60mm
H37		Lifting feed shaft	1	1	
H38		Lifting feed dog shaft bushing (left)	1	1	91 8
H39		Lifting feed dog crank (left)	1	1	
H40	7.02.08.109	Lifting feed dog shaft bushing (right)	1	1	
H41	7.02.15.389	Lifting feed dog crank (right) screw	2	2	M5×14
H42	7.02.06.040	Lifting feed dog crank (right)	1	1	
H43		Lifting feed dog crank pin oil wick	1	1	Ф2×30mm
H44	7.02.03.494	Lower shaft	1	1	(200 miles 11 miles (200 miles 44 de 200 miles (200 de 200 de
H45	7.02.08.107	Lower shaft bearing bushing	1	1	
H46	7.02.07.198	Synchronous belt	. 1	1	
H47		Bearing connection bushing	1	1	
H48		Lower shaft bearing	1	1	
H49	7.02.07.196	Synchronous pulley (lower)	1	1	
H50	7.02.15.057	Synchronous pulley screw	2	2000	M6×1×8
H51	7.02.09.036	Synchronous pulley isolating ring	1	1	i i



I. Hook assembly

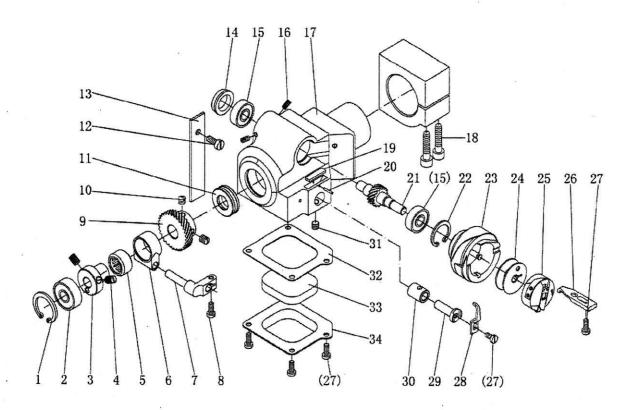
No.	PartNo.	Name	Q	ty	Domark
	Tarino.	Ivaille	small hool	large hook	Remark
I01	7.02.18.026	Elastic stop ring		1	GB/T893.1-1986- 20
102	7.02.04.031	Bearing		1	6292
I03	7.02.06.041	Opener cam	~	1	
I04	7.02.15.434	Opener cam screw		2	M6(0.75)×7
I05	7.02.04.033	Opener cam bearing		1	HK1412
I06	7.02.08.112	Opener cam bushing		1	<u> </u>
I07	7.02.08.111	Hook opener		1	
I08	7.02.15.017	Hook opener screw		1	M4×10
109	7.02.07.058	Hook drive gear		1.	
I10	7.02.15.126	Drive gear screw		2	1/4(40)×7
I11	7.02.04.026	Bearing	¥2	1	51101
I12	7.02.15.439	Felt fixed screw		1	M5×8
I13	7.02.16.051	Felt		1	
I14	7.02.09.031	Hook saddle bearing cover		1	
I15	7.02.04.016	Bearing		100.00	608
I16	7.02.15.438	Bearing cover screw	ra z	1,000	$M4(0.5)\times 7$
I17	7.02.13.046	Hook saddle		1	
I18	7.02.15.445	Hook saddle fixed screw			M6×25
I19		Felt		1	
I20	7.02.10.098	Elastic pin		1	
I21		Hook gear		î	
I22	7.02.18.027	Elastic stop ring			GB/T893.1-1986- 22
I23	7.02.02.092	Hook		1	GB/1075.1-1700-22
I24	7.02.21.144	Bobbin		î	
I25		Bobbin case		1	
I26	7.02.02.094	Hook orientation claw		1	
I27	Secure and the second second second second	Hook orientation claw screw			M4×8
I28		Hook thread distributing claw		1	1414-0
129		Hook thread distributing bracket		1	
I30		Hook thread distributing bracket bushing		1	
I31	7.02.15.440	Bushing tighten screw			M6(0.75)×3.5
I32	7.02.18.084	Hook saddle bottom cover washer		i	1410(0.75)**3.5
I33	7.02.16.094	Lange Company	1	1	
I34	Activities and the very	Hook saddle bottom cover		1	
I35	7.02.16.075	Hook coppery oil tube	*	1	
I36		Hook oil wick		ı l	
I37	7.02.15.441	Oil seal screw		100	M6×5
I38		Oil box felt	*	1	1410.13
I39	7.02.15.406	Account Street, Street	(a) :		M3×4
I40	7.02.13.048	,	l	1	IVISAT
I41		Oil box screw	1		M4×25
I42		Oil quantity adjustive valve felt		1	IVI+^4J
I43	7.02.10.431	Oil quantity adjustive valve left Oil quantity adjustive valve o-ring		1	18
I44		Oil quantity adjustive valve		1	
I45	7.02.16.069	Oil window cover		550	
I45		Oil window cover washer		1 1	

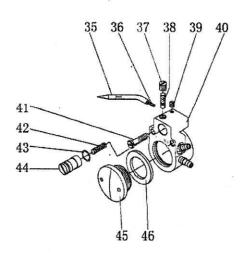


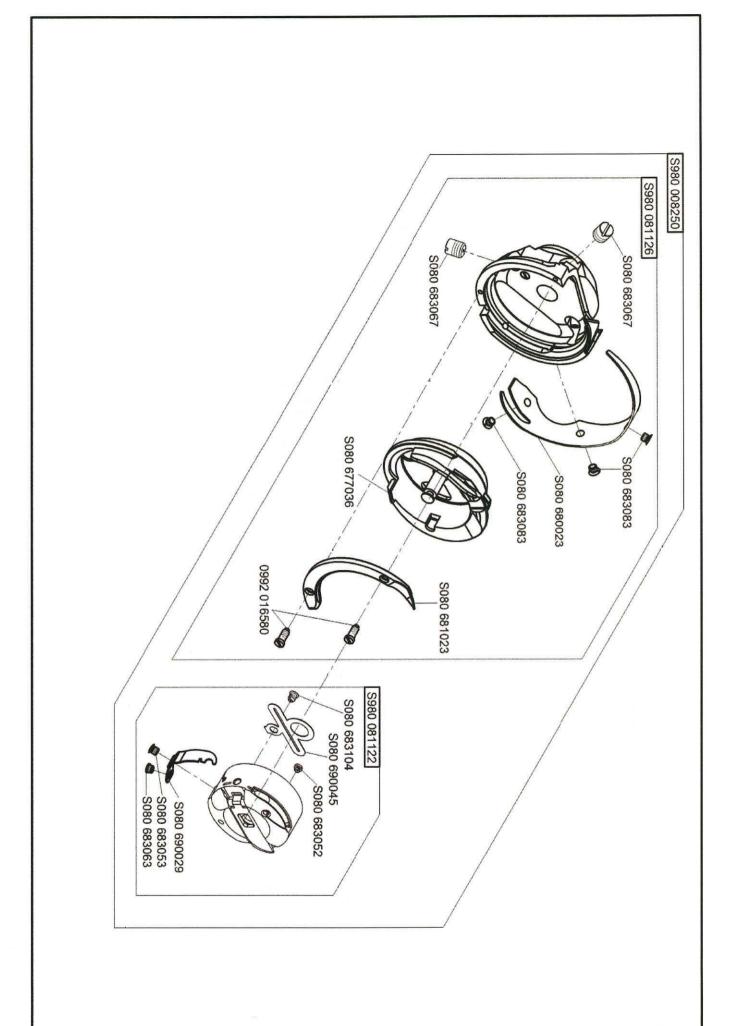


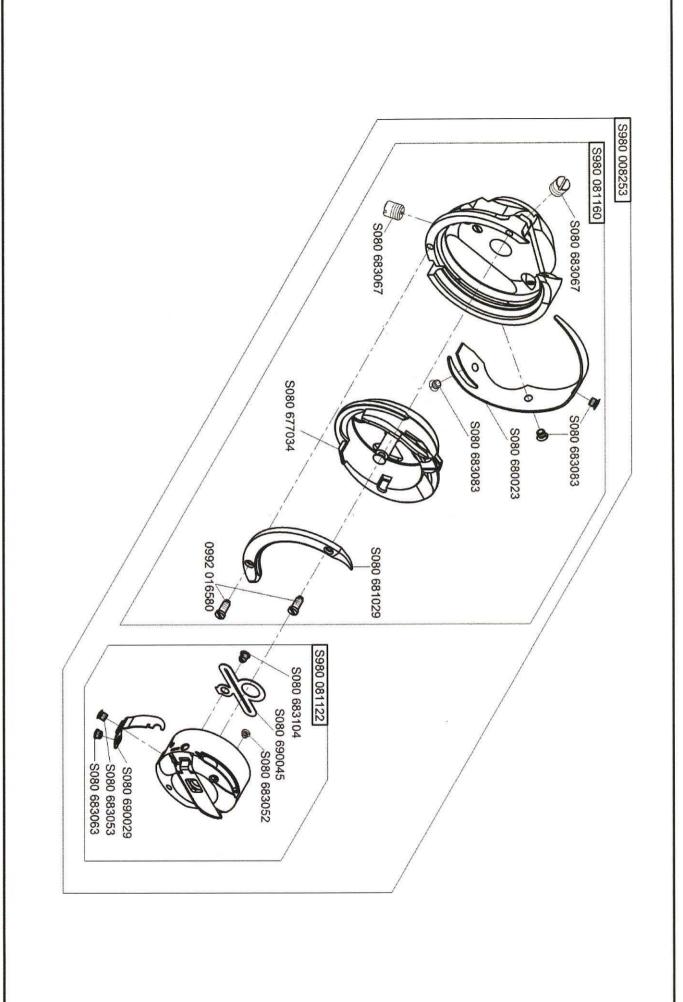
J. Hook assembly(small hook)

No. PartNo. Name Qty small hool large J01 7.02.18.026 Elastic stop ring 1 J02 7.02.04.031 Bearing 1	Remark GB/T893.1-1986- 26 6292 M6(0.75)×7
J02 7.02.04.031 Bearing	6292
-	
PERSONAL BUILD STATE OF THE PERSONAL PROPERTY	M6(0.75)×7
J03 7.02.06.093 Opener cam	$M6(0.75)\times 7$
J04 7.02.15.434 Opener cam screw 2	
J05 7.02.04.033 Opener cam bearing 1	HK1412
J06 7.02.08.112 Opener cam bushing 1	8
J07 7.02.08.111 Hook opener 1	
J08 7.02.15.017 Hook opener screw 1	M4×10
J09 7.02.07.072 Hook drive gear 1	
J10 7.02.15.126 Drive gear screw 2	1/4(40)×7
J11 7.02.04.026 Bearing	51101
J12 7.02.15.439 Felt fixed screw	M5×8
J13 7.02.16.051 Felt 1	
J14 7.02.09.037 Hook saddle bearing cover	
J15 Bearing 2	608
J16 7.02.15.438 Bearing cover screw 2	M4(0.5)×7
J17 7.02.13.077 Hook saddle	
J18 7.02.15.445 Hook saddle fixed screw 2	M6×25
J19 Felt	
J20 7.02.10.098 Elastic pin	a
J21 7.02.07.073 Hook gear	
J22 7.02.18.167 Elastic stop ring 1	GB/T893.1-1986- 24
J23 7.02.02.111 Hook 1	
J24 7.02.21.239 Bobbin	
J25 7.02.02.112 Bobbin case	
J26 7.02.02.113 Hook orientation claw	× ×
J27 7.02.15.006 Hook orientation claw screw 5	M4×8
J28 7.02.02.114 Hook thread distributing claw	*
J29 7.02.10.099 Hook thread distributing bracket	
J30 7.02.08.110 Hook thread distributing bracket bushing 1	
J31 7.02.15.440 Bushing tighten screw	M6(0.75)×3.5
J32 7.02.18.084 Hook saddle bottom cover washer 1	
J33 7.02.16.094 Felt 1 J34 7.02.13.047 Hook saddle bottom cover	
1	
1	
J36 Hook oil wick 1 J37 7.02.15.441 Oil seal screw 1	
J38 Oil box felt	M6×5
1	
i i i i i i i i i i i i i i i i i i i	M3×4
1	
1	M4×25
Ida	
J44 Oil quantity adjustive valve o-ring 1 Oil quantity adjustive valve 1	
J45 7.02.16.069 Oil window cover	
J46 7.02.16.071 Oil window cover washer 1	



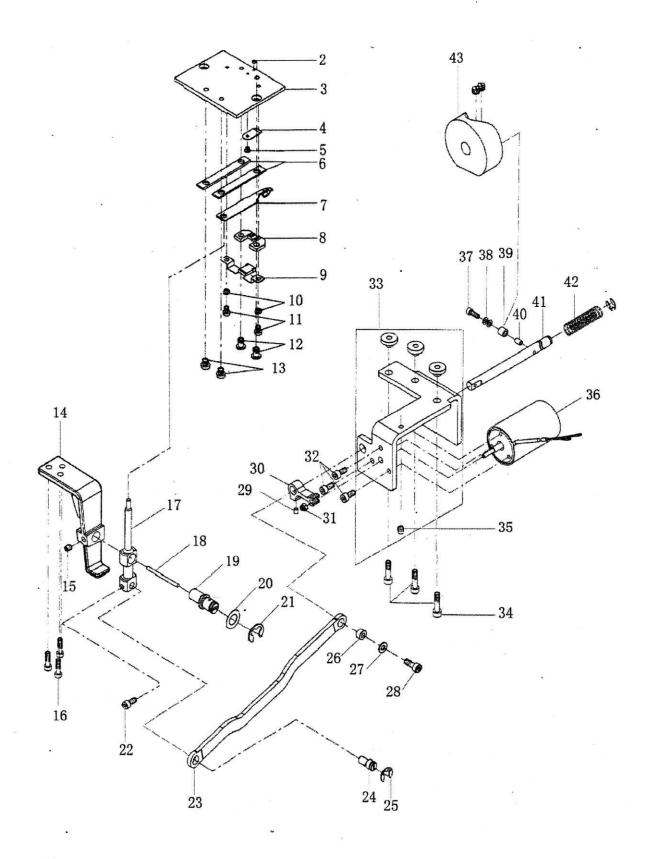






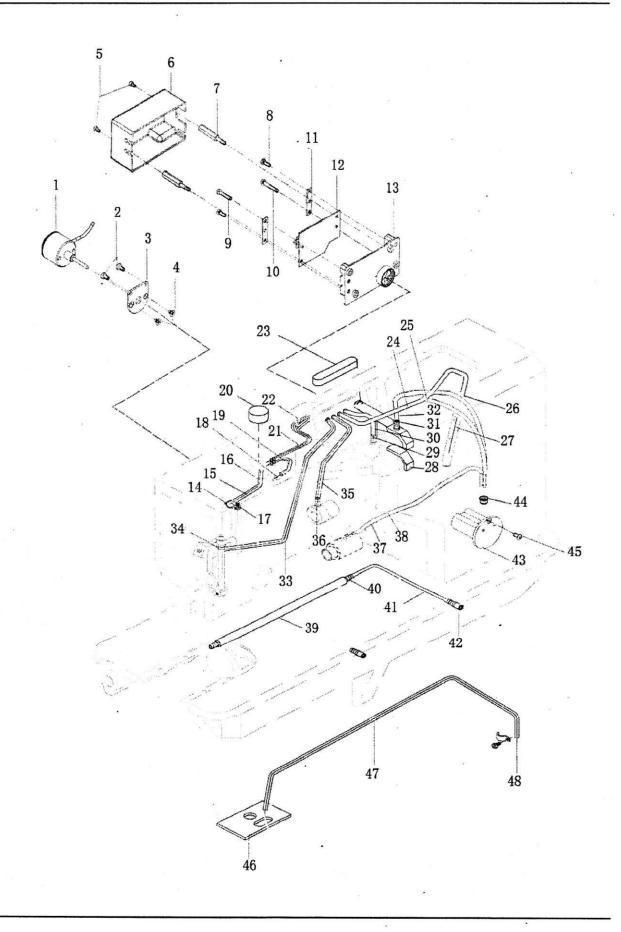
K. Thread trimming parts

No.	PartNo.	Name	Q	ty	Domonic
INO.	raitivo.	Name	small hook	large hook	Remark
K02	7.02.15.104	Screw		1	
K03	7.02.02.073	Slide plate	-	1	
K04	7.02.20.031	Fixed knife		1	
K05	7.02.15.103	Fixed knife screw		1	
K06	7.02.11.102	Movable knife guide plate	=	2	
K07	7.02.20.030	Movable knife		1	
K08	7.02.11.103	Movable knife support plate		1	
K09		Movable knife assistant support plate		1	
K10	7.02.18.061	Spring washer		2	GB/T93.3
K11	7.02.15.101	Movable knife assistant support plate	-	2	M3×4
K12	7.02.15.102	Movable knife support plate screw		2	M4×6.5
K13	7.02.15.100	Movable knife guide plate screw		2	M4×4
K14	7.02.13.074	Thread trimming vibrating lever socket		1	
K15	7.02.15.056	Thread trimming vibrating lever eccentric pin screw		1	M5×5
K16	7.02.15.053	Thread trimming vibrating lever socket setting screw		3	M5×12
K17	7.02.05.515	Thread trimming vibrating lever	767	1	
K18	2	Oil wick		1	M4×8
K19	7.02.10.305	Pin		1	
K20	7.02.18.402	Washer		1	
K21	7.02.21.085	E-ring	×	1	Φ9
K22	7.02.15.555	Screw		1	M4×8
K23	7.02.05.514	Thread trimming link lever		1	
K24	7.02.10.306	Eccentric pin	TF	1	
K25	7.02.18.021	E-ring		2	Φ7
K26	7.02.08.365	Thread trimming link lever bushing		1	*
K27	7.02.18.071	Washer		1	
K28	7.02.15.577	Screw		1	M4×12
K29	7.02.15.596	Screw		3	M6×1×6
K30	7.02.12.083	Stopper block		.1	
K31		Thread trimming electromagnetic nut		1	M5
K32	7.02.15.803	N		3	M5×10
K33		Thread trimming setting bracket		1	
K34		Thread trimming setting bracket screw		3	M5×16
K35	7.02.15.057	Screw		1	M6×1×8
K36	7.02.19.038	Thread trimming electromagnetic		1	
K37	7.02.15.1034			1	
K38	7.02.18.403			2	
K39		Thread trimming bushing 2		· 1	
K40		Thread trimming bushing 1		1	
K41		Thread trimming shaft		1	
K42	7.02.17.092			1	
K43	7.02.06.086	Thread trimming cam		1	



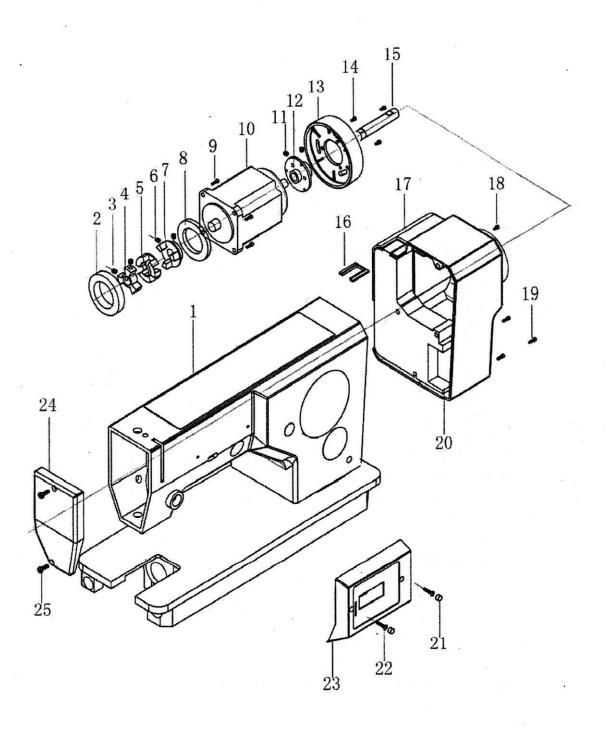
L. Tension release, electrocircuit board, oil circuit parts

			e, electrocircuit board,		tv	T
	No.	PartNo.	Name	small hook		Remark
	L01	7.02.19.039	Thread releasing solenoid	1	1	
	L02	7.02.15.1080	Screw	2	2	
	L03	7.02.11.594	Mounting plate	1	1	
	L04	7.02.15.797	Screw	2	2	
	L05	7.02.15.976	Screw	2	2	
-	L06	7.02.16.505	Collection circuit board housing	1	1	3
1	L07	7.02.15.1083	Support screw	2	2	
1	L08	7.02.15.017	Pressure plate screw	2	2	
1	L09	: <u>.</u>	Pressure plate screw	1	1	
١	L10	7.02.15.442	Pressure plate screw	1	1	a se e
	L11	7.02.11.595	Thread tension plate	2	2	-
	L12	7.02.11.596	Circuit board	1	1	
1	L13	7.02.16.506	Circuit collection plate	1	1	341
	L14	7.02.17.029	Oil tube clip	2	2	
	L15		Oil wick	1	1	Φ2×140mm
1	L16		Oil tube	1	1	Ф3/Ф5×65mm
1	L17	7.02.15.037	Oil tube clip screw	2	2	M3×6
1	L18		Oil wick	1	1	Φ2×150mm
1	L19	*	Oil tube	1	1	Φ3/Φ5×70mm
1	L20	7.02.16.032	Felt	2	2	Φ16×12
	L21		Oil wick	1	1	Ф3×200mm
1	L22		Oil tube	1	1	Ф3/Ф5×110mm
1	L23	7.02.16.034	Felt	1	1	*
1	L24		Oil wick	1	1	Φ2×250mm
1	L25		Oil tube	1 .	1	Ф3/Ф5×300mm
1	L26		Oil tube	1	1	Ф3/Ф5×200mm
1	L27		Oil wick	1	1	Φ2×300mm ·
1	L28	7.02.16.092	Felt	1	1	b
1	L29		Oil wick	1	1	Φ2×160mm
1	L30		Oil tube	1	1	Φ3/Φ5×100mm
-	L31		Oil wick	1	1	Φ2×180mm
	L32		Oil tube	.1	1	Ф3/Ф5×100mm
	L33		Oil tube	1	1	Ф3/Ф5×200mm
1	L34		Oil wick	1	1	Φ2×250mm
	L35		Oil tube	1	1 .	Ф3/Ф5×130mm
1	L36		Oil wick	1	1	Φ2×200mm
	L37	to the	Oil tube	1	1	Ф3/Ф5×320mm
1	L38	4	Oil wick	1	1	Φ2×370mm
1	L39	7.02.16.073	Coppery oil tube	1	1	
	L40	7.02.16.060	Oil spile	2	2	
	L41		Oil tube	1	1	Φ3/Φ5×50mm
	L42	7.02.16.059	Oil spile	2	2	
	L43	7.02.16.507	Oil box	1	1	
	L44	7.02.16.508	Oil box plug	1	1 .	
	L45		Screw	1	1	
	L46	7.02.16.091	Felt	1	1	4
	L47		Oil tube .	1	1	Ф3/Ф5×600mm
L	L48		Oil wick	1	1	Φ2×640mm×2



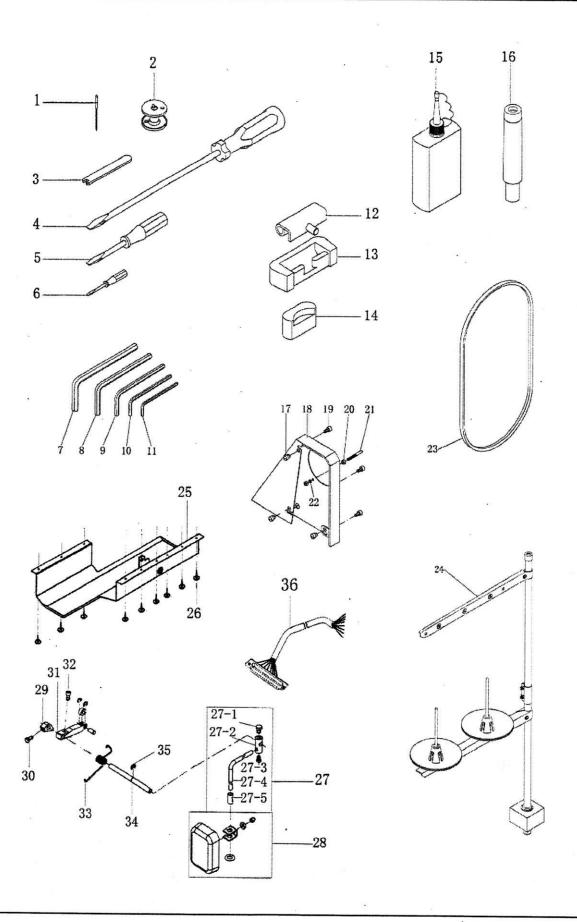
M. Automatic drive parts

	No.	PartNo.	Name		Qty	D
	110.	aravo.	Name	special par	ts	Remark
	M01	7.01.02.030	Machine casting	1		
	M02	7.02.04.210	Bearing	1		6908
	M03	7.02.15.050	Screw	3		M6X8
	M04	7.02.08.560	Trident coupling	1		
	M05	7.02.16.521	Rubber pad	1		
	M06	7.02.15.051	Screw	3		M6X8.5
	M07	7.02.08.561	Motor coupling	1		
1	M08	7.02.09.170	Retaining ring	1	-	
	M09	7.02.15.445	Screw	4		M6X25
1	M10	7.02.19.401	Motor	1	-	
	M11	7.02.15.056	Set screw	2		M5X5
	M12	7.02.07.320	Handwheel bushing	1		
	M13	7.02.07.321	Handwheel	1		
	M14	7.02.15.006	Screw	. 3		M4X8
1	M15	7.02.03.510	Upper shaft	1		
	M16	7.02.16.520	Switch pad	1		
	M17	7.02.16.523	Rear cover	1		
	M18	7.02.15.974	Screw	2		M5X55
	M19	7.02.15.731	Screw	2		-
1	M20		Electric control board	1		
1	M21	7.02.16.522	Plug	2		
1	M22	7.02.15.405		2		M4X14
1	M23	7.02.11.611		1	24	
	M24		Face plate	1		_
	M25	7.02.15.416		1		M5X12
	M26	7.02.15.096	Screw	1		M5X16
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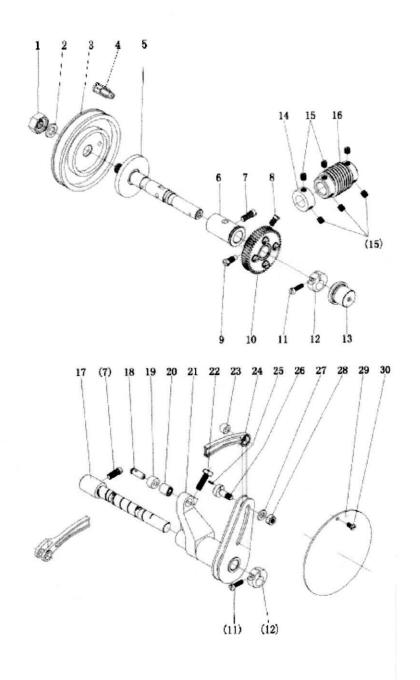


N. Accessories

No.	PartNo	PartNo. Name	. C	Qty		
	i aitivo.	Name	small hook	large hook	Remark	
N01	7.02.21.140		4	4	19 [#]	
N02	7.02.21.144		4	4		
N03		Open end wrench	1	1		
N04		Screw driver(big)	1	1		
N05	7.02.21.002	Screw driver(middle)	1	1		
N06	7.02.21.001	Screw driver(small)	1	1		
N07	7.02.21.238	Hexagonal wrench	1	1	6mm	
М08	7.02.21.143	Hexagonal wrench	1	. 1	5mm	
N09	7.02.21.099	Hexagonal wrench	1	1	4mm	
N10	7.02.21.209	Hexagonal wrench	1	1	3mm	
N11	7.02.21.098	Hexagonal wrench	1		2.5mm	
N12	7.02.21.080	Hinge	2	2		
N13	7.02.21.079	Hinge cover	2	2		
N14	7.02.21.291	Vibration preventing rubber	2	2		
N15	7.02.21.008	Small oil pot	1	1		
N16	7.02.21.147	The second secon	1	1		
N17	ACCOUNT OF THE PROPERTY OF THE	Rubber pad	3	3		
N18	7.02.21.13601		1	1		
N19		Belt cover screw	3		M6×10	
N20	920000000000 CM C	Nut	2		M5	
N21	7.02.21.137	2 %	1		IVI 5	
N22	The second secon	Spring washer		1	CD/TO2 5	
N23	7.02.21.095	Belt	1	1	GB/T93. 5	
N24		Thread stand	1	1	*	
	7.02.21.16401		1	1		
N26		Wooden screw	1	1		
N27		Touch block assy.	9	9		
27-1		Screw	1	1		
27-2		Connector	1	1		
27-3	7.02.21.552		1	1		
27-4	7.02.21.554		1	1		
27-5		Bushing	1	1		
N28	7.02.21.556	-	1	1	×	
N29	Walley Barretto Barretto		1	1		
N30	1	Knee lifting orientation block	1	1		
1,700,000		Knee lifting orientation block screw	1	1		
N31		Roller joint	1	1		
N32		Roller joint screw	1	1		
N33		Replacement spring	1	1		
V34		Straight lever	1	1		
N35	Supplemental Inc.	E-ring	1	1		
N36	7.02.21.557	Control system connecting line	1	1		



Zig zag cam parts



Zig zag cam parts

No.	Part No.	Name	Qty	Remark
01		Hexagonal nut	1	M10
02	7.02.17.113	Spring washer	1	
03	7.02.06.060	Cam	1	
04	7.02.16.077	Seal cover	1	
05	7.02.10.133	Worm wheel shaft	1	
06	7.02.08.094	Worm wheel shaft bushing (back)	1	
07	7.02.15.399	Screw	2	M6×14
08	7.02.15.384	Screw	1	M6(0.75)
09	7.02.15.431	Screw	1	M6(0.75)×10
10	7.02.07.069	Worm wheel	1	
11	7.02.15.405	Screw	2	M4×14
12	7.02.09.033	Retaining ring	2	¥
13	7.02.08.117	Worm wheel shaft bushing	1	я
-14	7.02.09.034	Retaining ring	1	
15	7.02.15.428	Screw	6	M6(0.75)×5
16	7.02.07.070	Worm bolt	1	
17	7.02.10.131	Vibrating needle shaft	1	
18	7.02.10.132	Pin roller shaft	1	
19	7.02.12.080	Pin roller	1	
20	7.02.08.093	Pin roller shaft eccentric bushing	1	
21	7.02.01.037	Vibrating needle crank assy.	1	
22	7.02.15.380	Screw	1	M6×18
23	7.02.08.092	Vibrating link bushing	1	
24	7.02.05.103	Link	1	
25	7.02.10.130	Elastic round pin	1	Φ2
26	7.02.15.381	Screw pin	1	M6
27	7.02.18.046	Washer	1	
28	7.02.15.067	Nut	1	GB/T 6170 M6
29	7.02.11.146	Cover plate	1	
30	7.02.15.420	Screw	1	M4×6
		1		
	1			•
		8		
	2			