

Operation manual  
Computerized zigzag  
machine

***Ziggy***

 ***texi***®



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## IMPORTANT!

This instruction manual contains important guidelines regarding correct, safe and economical method of use of the machine. Following recommendations contained in this manual will decrease work down-time, increase machine reliability and durability, and will make work safer.

This instruction manual must always be available at the workplace. The machine can be serviced only by an employee trained in Industrial Safety, after reading this instruction manual.

The supplier is not responsible for damages caused by improper use or by usage of this product for functions other than those it has been designed for.

## GENERAL SAFETY PRECAUTIONS

To minimize the risk of fire, electric shock, or injury, observe the following precautions:

- Keep the workplace clean.
  - Pay attention to the machine's work environment; do not subject it to atmospheric conditions.
  - Do not install the machine in rooms that are dusty, where aerosols are sprayed, or to which oxygen is supplied.
  - Keep the workplace well lit.
  - Be careful of danger of electric shock.
  - Pay attention to clothing. Let-down hair or loose clothing can be caught by the machine's mobile elements.
  - Take care not to damage the power supply cable.
  - When the machine is not in use, disconnect it from the power grid.
  - Take care not to turn-on the machine accidentally.
- 
- In case of even the slightest damage, always check if the damaged part requires replacement.
  - Never install on the machine attachments and accessories other than those recommended by the manufacturer and supplier.
  - Do not perform machine modifications independently.
  - Do not leave near the machine unattended bystanders or children.

A safety shut-off switch has been installed in the machine, which protects the tilted head from accidental activation (for example, pressing the pedal).

## Electric installation

Check if the supply voltage in the electric socket corresponds to the data on the machine's rating plate 1-phase voltage 230V 50Hz.

Check the correctness of electric connections in the plug and electric socket, **observing electric shock safety countermeasures.**

Do not use extension power cords.

Apply the valid electrical and Industrial Safety norms.

**ATTENTION – all work related to the electrical installation must be carried out by a qualified electrician.**

## Before starting work

Using machine without any of the safeguarding parts (finger guard, eye guard, etc.) is dangerous to an operator.

During work, only the items necessary for sewing should be found on the machine's work table.

Before connecting the machine to the power grid, always release the pedal and the start button.

Do not use blunt or bent needles.

Do not touch any of the machine's mobile elements, such as the needle, needle bar, thread tensioner or take-up, or hook, during its operation.

## Turn machine off before: replacing needle, threading, installing attachments, changing the bobbin or bobbin case.

If you notice any abnormalities in the machine's function, turn it off immediately and inform a mechanic or your superior. After finishing work, turn the machine off and remove the plug from the electric socket. In case of power grid failure, disconnect the machine from the power grid.

## This machine is not a toy!

We hope that you will use this machine with pleasure for a long time.



**Attention!**

The machine is not to be used for other materials than those for which it has been designed.

Non-observance of this rule places the user at risk and can cause irreversible damage to the machine.

Before use, the user should become acquainted with this instruction manual, general safety precautions and maintenance instructions.

**1. Before starting work**

1. After turning-on the machine and during its operation, do not touch the needle or put fingers into the thread take-up guard.
2. During sewing, do not put fingers into the needle guard.
3. Before tilting the machine head or uninstalling guards, turn power off.
4. Turn machine off before leaving it unattended.
5. Do not allow hair, loose clothing, fingers or any objects to be in the vicinity of the pulley during machine run.
6. Do not clean the machine with paint thinner.

**Safety symbols**



Danger!

Points to be observed!



Danger of injury for operating and specialist personnel!

Caution !

Do not operate without finger guard and safety devices.

Before threading, changing bobbin and needle, cleaning etc.

**Switch off main switch.**

**Proper use**

Texi Ziggy is high-speed, zigzag sewing machine with bottom feed and a large hook.

The machine is used for producing zigzag lockstitch seams in the clothing and linen industry.

Any and all uses of this machine which have not been approved of by the manufacturer are considered to be inappropriate! The manufacturer cannot be held liable for any damage caused by the inappropriate use of the machine! The appropriate use of the machine includes the observance of all operational, adjustment, maintenance and repair measures required by the manufacturer!

**2. Specifications of the machine head**

Model	<b>Ziggy</b>	
Application	Light-weight materials to medium-weight materials	
Max. sewing speed	5000rpm	
Max. zigzag width	10 mm	
Max. feed pitch	5mm(normal/reverse feed)	
Stitch pattern	14 type 20 patterns	
Needle	DPX5#10	
Oil used	10#	
Thread trimmer	With	
Feed method	Standard feed(Computer controlled system)	

The max .sewing speed is set to 3000prm at the time of delivery

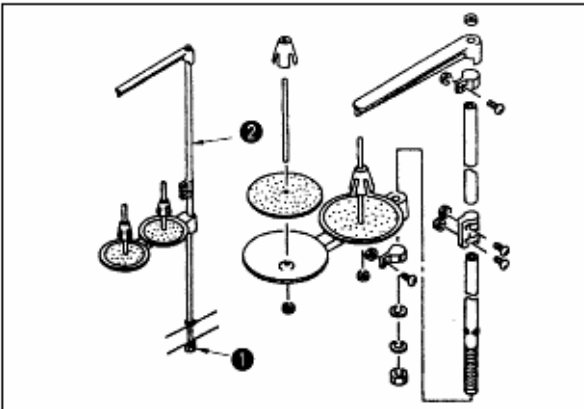
Max .zigzag width is limited to 8mm at the time of standard delivery

3. Stitchpattern table

Name of pattern		Stitch pattern	Number of stitches for pattern	Max zigzag width	Remarks
Straight stitch			1	10	
2-Standard zigzag stitch			2		
3-Standard zigzag stitch			4		
4-Standard zigzag stitch			6		
Scallop right	Standard scallop		24		
	Crescent scallop				
	Equal-width scallop		12		
	Equal-width scallop				
Scallop left	Standard scallop		24		
	Crescent scallop				
	Equal-width scallop		12		
	Equal-width scallop				
Blind stitch(right)			2+A		
Blind stitch(left)			500		
Custom pattern					
T stitch(left)			3		
T stitch(right)					
Pattern1			6		
Pattern2					
Pattern3					
Pattern4					

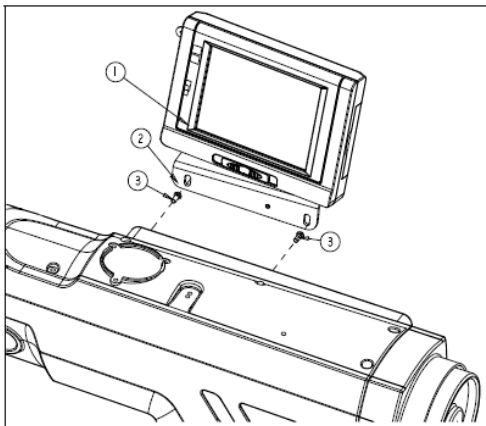
## 4. Installation

### 4.01 Installing the thread stand



1. Assemble the thread stand unit, and insert it in the hole in the machine table.
2. Tighten locknut (1) to fix the thread stand.
3. For ceiling wiring, pass the power cord through spool rest rod(2).

### 4.02 Installing the operation panel (WR701-02)



- 1) Install operation panel (1) on the machine head using screws (3) which have been assembled to panel installing bracket (2).

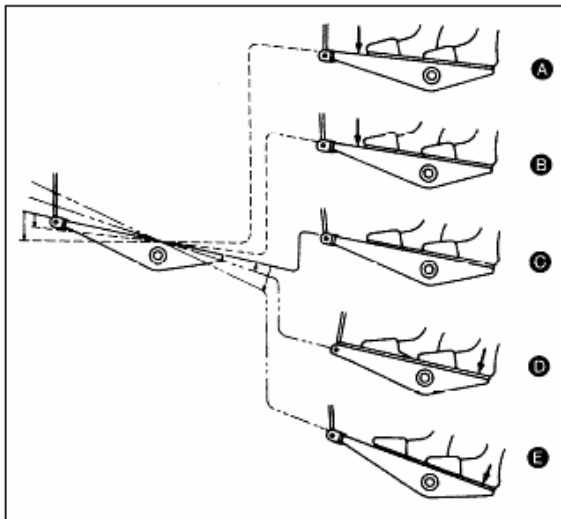
### 4.03 Test run

#### 1) Turn ON the power



1. Check again the power voltage before connecting the power cord.
2. Check that the power switch is turned OFF and connect the power cord to the power receptacle.
3. Be sure to connect the earth wire.
4. Case where the buzzer keeps beeping immediately after turning ON and the power  
There is a possibility of the wrong connection of cord or wrong power voltage. Turn OFF the power.

## 2) How to operate the pedal

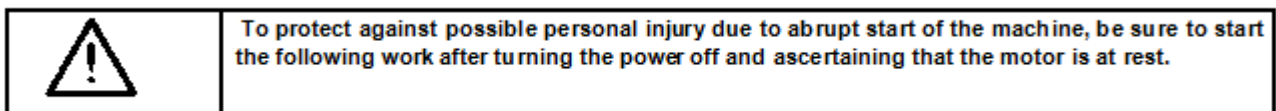


The pedal is operated in four stages.

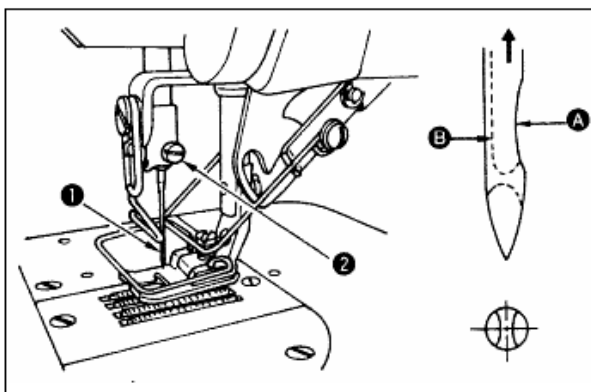
1. Lightly depress the front part of the pedal for low-speed operation **B**.
2. Further depress the front part of the pedal for high-speed operation mode after the completion of reverse feed stitching if the automatic reverse feed stitching function is specified with the corresponding switch.)
3. Bring the pedal back to its neutral position, and the sewing machine will stop running **C**.
4. Strongly depress the back part of the pedal, and the thread trimmer will be actuated **E**

Lightly depress the back part of the pedal, and the presser foot will go up **D**. Further depress the back part of the pedal, and the thread trimmer will be actuated.

## 5. Preparation before sewing

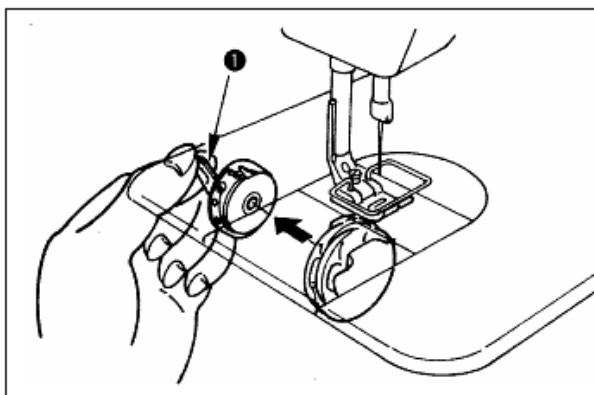


### 5.01 Inserting the needle



- 1) Turn the hand-wheel by hand to raise the needle to its highest position.
- 2) Loosen the needle clamp screw (1). Hold the needle so that the long groove (2) on the needle is facing exactly toward you.
- 3) Insert the needle deep into the hole of the needle bar in the direction of the arrow until it will go no further.
- 4) Securely tighten the screw (2).
- 5) Confirm that the long groove B on the needle faces toward you.

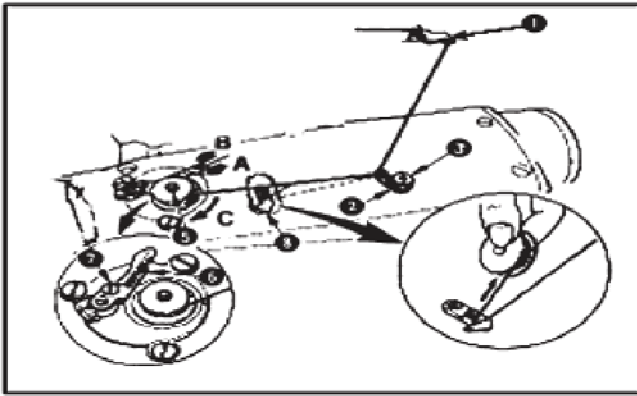
### 5.02 Removing the bobbin case



- Turn the hand-wheel by hand to raise the needle to its highest position.
- Raise bobbin case latch (1) and remove the bobbin case.



### 5.03 Winding the bobbin thread

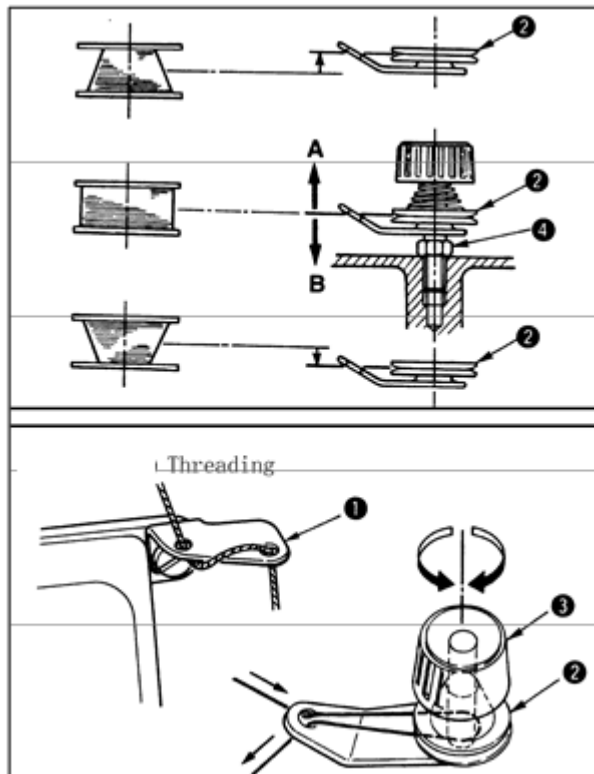


1. Insert the bobbin deep into the bobbin winder spindle (5) until it will go no further.
2. Pass the bobbin thread pulled out from the spool rested on the right side of the thread stand following the order from (1) as shown in the figure on the left. Then, wind the end of the bobbin thread on the bobbin several times.
3. Press the bobbin winder adjusting plate (6) in the direction A and start the sewing machine.  
The bobbin rotates in the direction of C and the bobbin thread is wound up. The bobbin winder spindle5, will automatically stop as soon as the winding is finished.

4. Remove the bobbin and cut the bobbin thread, with the thread cut retainer (8).
5. To adjust the winding amount of the bobbin thread, loosen set screw (7) and move bobbin winder adjusting plate (6) to the direction of A or B. Then, tighten screw (7)

To the direction A: The amount is decreased.

To the direction B: The amount is increased

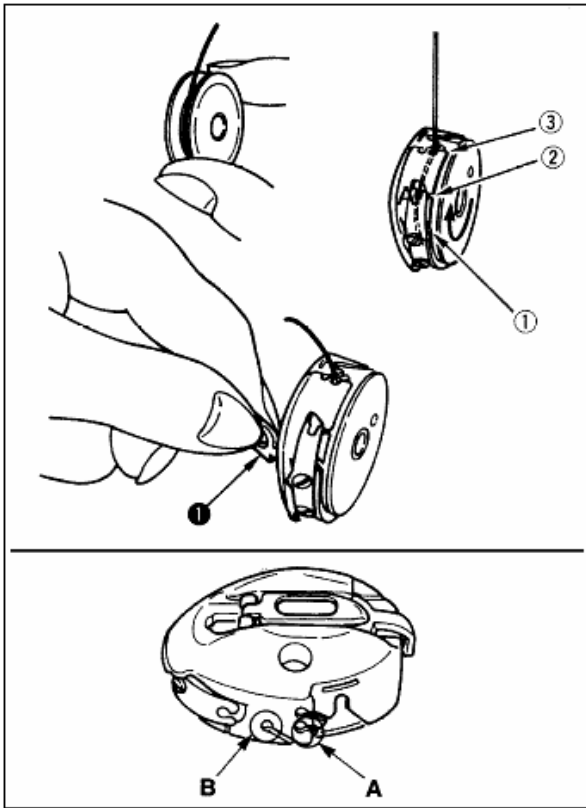


6. In case that the bobbin thread is not wound evenly on the bobbin, loosen the nut (4) and turn the bobbin thread tension to adjust the height of the thread tension disk (2).

- It is the standard that the center of the bobbin is as high as the center of the thread tension disk.
- Move the position of the thread tension disk (2) to the direction A as shown in the figure on the left when the winding amount of the bobbin thread on the lower part of the bobbin is excessive and to the direction B as shown in the figure on the left when the winding amount of the bobbin thread on the upper part of the bobbin is excessive. After the adjustment, tighten the nut (4)

7. Turn the thread tension nut (3) to adjust the tension of the bobbin thread winder

### 5.04 Placing the bobbin case and the bobbin



1. Turn the hand-wheel by hand to raise the needle to its highest position.
2. Take a bobbin by your right hand with the thread drawn out about 5 cm from the thread end of the bobbin and place it into the bobbin case as illustrated.
3. Thread the bobbin case in the order of the numbers and pull it out through the thread path as illustrated. Shown by arrow when bobbin thread is drawn.
4. Raise bobbin case latch (1) and hold it between your two fingers as shown in the figure on the left.
5. Insert the bobbin case into the sewing hook shaft as far as it will go by putting your hand from the under cover of the inner hook. (Click sound)
6. Release the bobbin case latch to let it steadily rest in the closing position.

#### ■ How to use the bobbin case thread hole

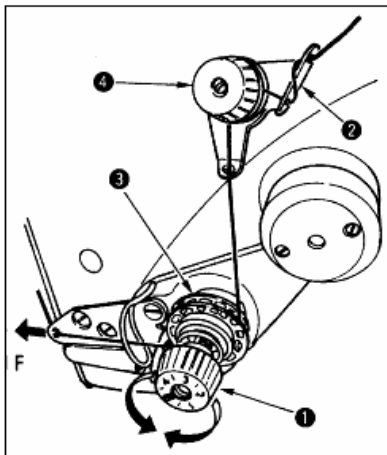
Use hole A mainly for zigzag stitches other than standard zigzag stitch and scallop zigzag stitch .

Use hole B mainly for standard zigzag stitch and scallop zigzag stitch .

## 6. Sewing

### 6.01 Adjusting the thread tension

In case of thread-breakage. It may occur that the thread tangles on take-up lever. In this case, remove the thread tangling around the lever by raising the thread take-up cover



#### Adjusting the needle thread tension

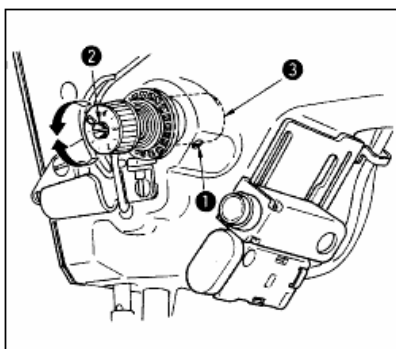
Adjust the needle thread tension using the tension nut (1).  
Turning the tension nut clockwise increases the needle thread tension, or counter clockwise decreases it.

#### Adjusting the thread take-up spring

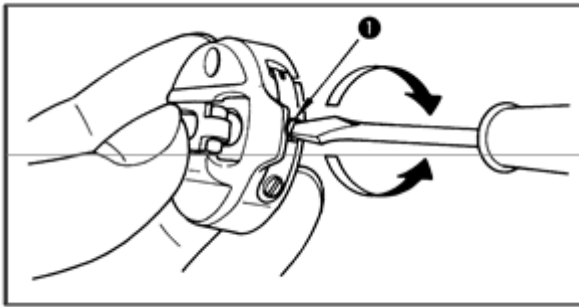
To change the tension of the thread take-up spring, firmly tighten the screw (1) which fastens the tension post (2) to the machine arm and insert the blade of a screwdriver into the slot in the tension post to adjust the tension of the thread take-up spring.

Turn it clockwise to increase.

Turn it counterclockwise to decrease.



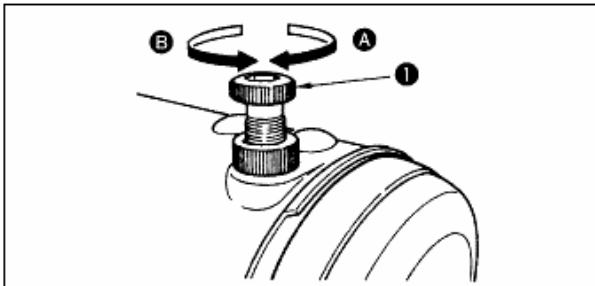
To change the amount of thread taken by the thread take-up spring, loosen the clamping screw (1) of the tension post socket and turn the tension post socket (3)  
Adjustable range of the amount of thread taken by the thread take-up spring: 6 to 10 mm



### Adjusting the bobbin thread tension

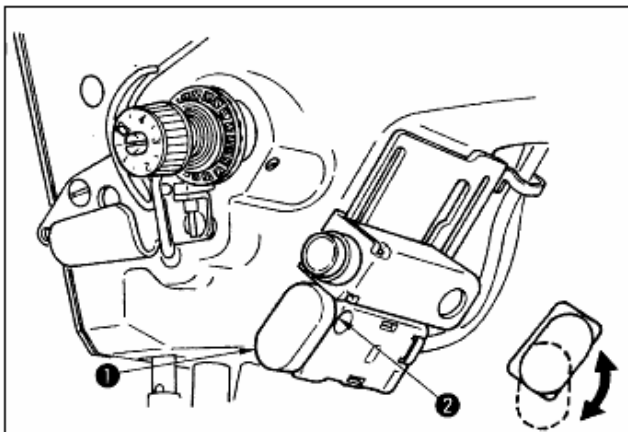
- 1) The tension of the bobbin thread is adjusted by turning the tension adjusting screw (1).  
Turn it clockwise to increase.  
Turn it counter clockwise to decrease.

### 6.02 Adjusting the pressure of the presser foot



1. Turn the presser spring regulator (1) clockwise A to increase the pressure given by the presser foot
2. Turn the presser spring regulator counter clockwise B to decrease it.

### 6.03 One-touch type reverse feed stitching mechanism

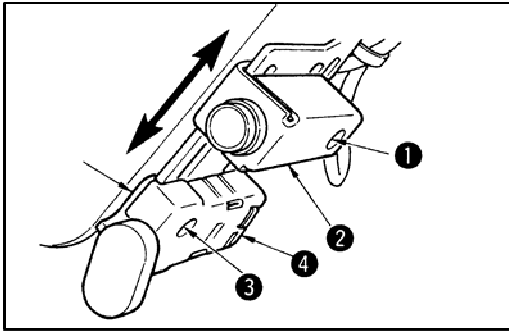


#### How to use the reverse feed switch lever

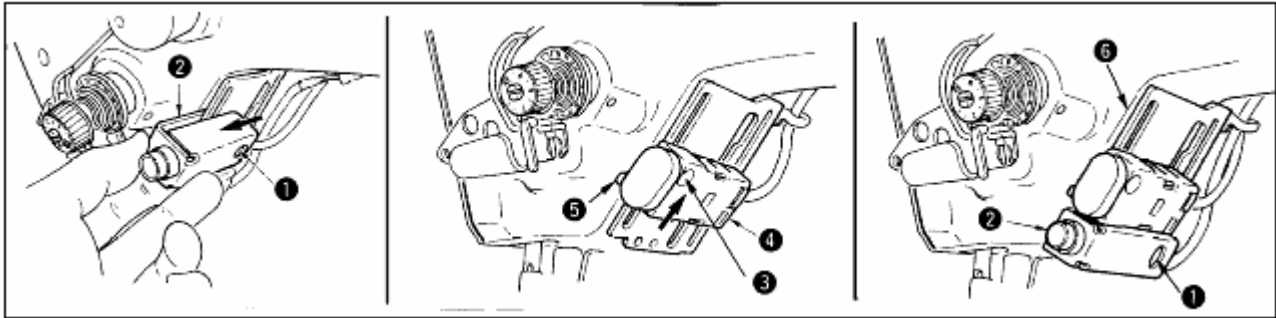
1. Press reverse feed switch (1), and the sewing machine will immediately run in direction to perform the reverse feed stitching.
2. Reverse stitching is performed as long as you keep the lever held pressed down.
3. Release the switch lever, and the machine will immediately run in the normal direction.

Reverse feed switch (1) can be used in two the reverse positions by turning it.

6.04 Height of the switch



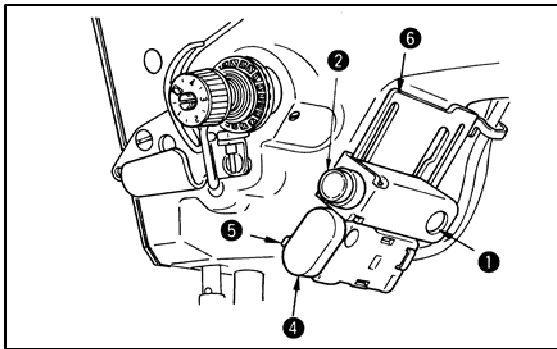
1. Loosen setscrew (1) and adjust up or down mirror Switch(2).
2. Loosen setscrew (3) and move up or down reverse feed switch(4) to adjust the height. The position of reverse feed switch (4) and mirror switch (2) can be reversed



3. Loosen setscrew (1) and remove mirror SW (2).
4. Slightly loosen setscrew (3),move upward reverse feed switch (4) and guide (5),and fix the switch with guide (5) and setscrew (3).
5. Put mirror SW (2) in installing base (6) and fix it with setscrew (1).

(Put mirror SW (2) in installing base (6) so that the installing base (6) is inserted in the mirror SW (2).)

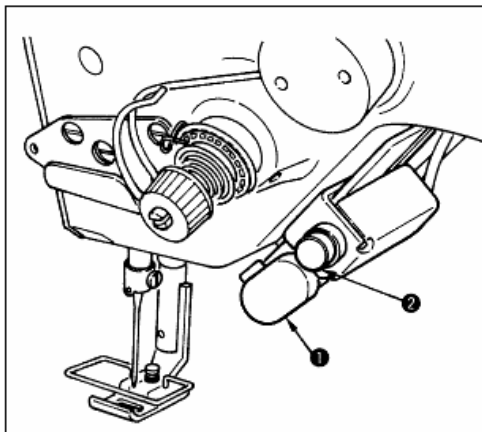
Note: Freely adjust the height of the respective switches.



The position of reverse feed switch (4) and mirror switch(2) can be reversed.

When changing the position of the switch in case of "A. In case of the machine with the auxiliary thread take-up lever", refer to the items 3) through 5).

6.05 Hand switch

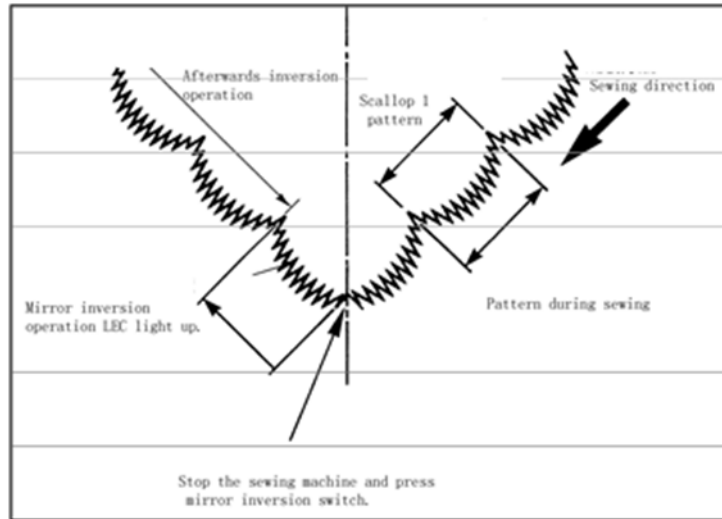


1. Reverse feed switch (1)  
Press reverse feed switch (1) and reverse feed is performed. When it is released, normal feed is performed.
2. Mirror switch (2)  
When scallop, custom pattern or continuous stitching is selected, the switch becomes a mirror switch.

Mirror inversion means the function that the reverse pattern sewing is performed after pressing the mirror inversion switch during temporary stop of sewing. For the adjustment of the height, see p21.


■ Sewing procedure (Example: scallop)

1. Stop the sewing machine at the position you desire to perform mirror inversion during sewing.
2. Press the mirror inversion switch. When the mirror inversion switch is received, LED lights up.(The switch can receive only when the sewing machine stops and dose not receive when the sewing machine is running.)
3. Perform mirror inversion sewing with the sewing machine.
4. Perform thread trimming or press again the mirror inversion switch to complete the inversion sewing.

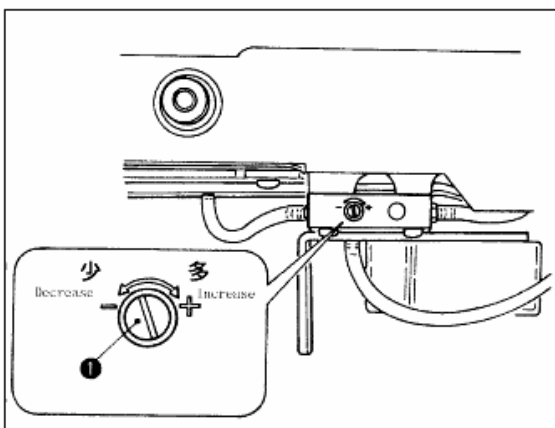


7. Standard adjustment

7.01 Adjusting the amount of oil in the hook



Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.



Adjustment the amount of oil in the hook

Adjustment of the amount of oil in the hook is

performed with oil amount adjustment screw (1).

**Adjustment procedure**

Tighten (turn clockwise) oil amount adjustment screw (1) to increase the amount of oil in the hook , or loosen (turn counter clockwise) to decrease it

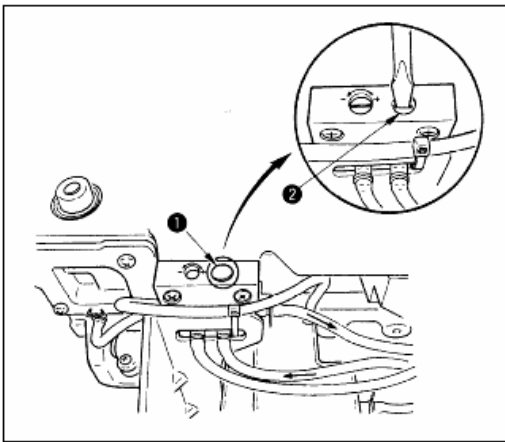
1. When adjusting the amount of oil in the hook, perform the adjustment in a way of reducing the oil amount after somewhat increasing it.
2. The amount of oil in the hook has been adjusted at the max. number of revolution at the time of delivery. When you always use the sewing machine at low speed, there is a possibility that trouble occurs due to the lack of amount of oil in the hook. When the sewing machine is used always at low speed, perform the adjustment of the amount of oil in the hook.
3. There is a possibility of causing oil leakage from the hook shaft section since oil does not return to the oil tank when oil amount adjustment screw (10) is used in fully-tightened state.

Do not use the screw in fully-tightened state. In addition, when the amount of oil in the hook is not obtained unless oil amount adjustment screw (1) is near in fully-tightened state, it is considered that hook shaft oil wick is clogged or the like. Replace the hook shaft oil wick.

### 7.02 Adjusting the amount of lubricating to face plate section

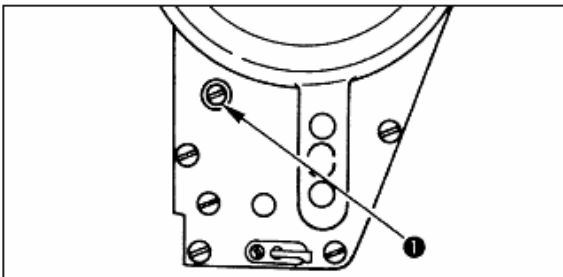
It is not necessary to adjust the amount of lubricating to face plate section since it has been factory-adjusted at the time of delivery. (Oil amount adjustment screw □ in the face plate section lubricating tank is hidden with stop plug □ since it is not necessary to be adjusted.)

When the adjustment is performed by mistake (mistaken as the adjustment of oil amount in the



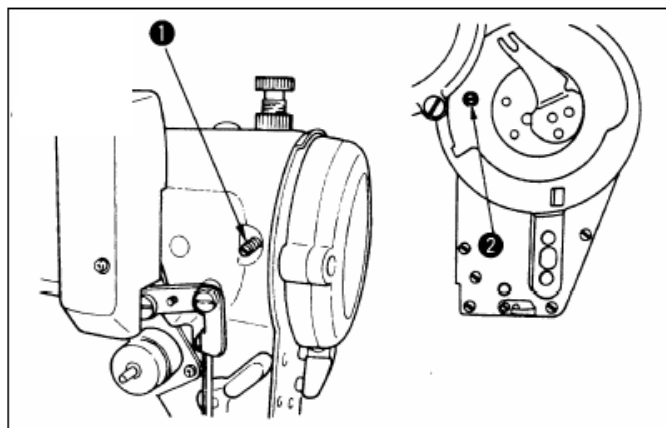
1. Remove stop plug (1), and when lightly tightening the adjustment screw (2) .return the screw by approximately 0.6 turn from the stop position.
2. In case of the normal state , the flow of oil can be confirmed(direction of the arrow in the illustration).In case the flow is stopped , be sure to adjust . (Worn-out of the mechanism of face plate section will be caused .)

### 7.03 Adjusting the height of the presser bar



1. To change the height of the presser bar or the inclination of the presser foot. Loosen the presser bar connection screw (1) and perform the adjustment properly .
2. After the adjustment securely tighten the screw .

### 7.04 Adjusting the micro-lifting mechanism of the presser foot



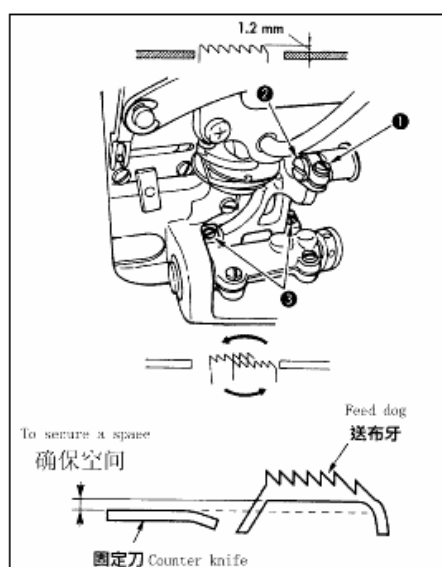
Some type of material needs to be sewn with the presser foot slightly lifted. In this case, perform this adjustment following the procedure described below.

1. Loosen the setscrew (1) in the presser foot micro-lifter .
2. Turn the presser foot micro-lifting screw (2) clockwise through the hole in the face plate until the presser foot is raised as desired. Then, tighten the screw (1) .

**If you do not use the micro-lifting mechanism of the presser foot, fully return the presser foot micro-lifting screw to its home position.**

**The standard of lifting amount of the presser foot is as thick as a sheet of paper**

### 7.05 Height and inclination of the feed dog

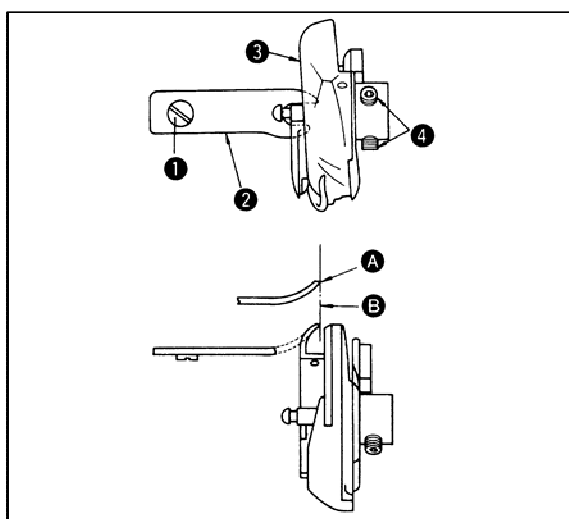


1. To adjust the height of the feed dog, loosen the screw (1) and turn the feed driving link pin (2) using a screwdriver.
2. The standard height of the feed dog is 1.2 mm .
3. To adjust the inclination of the feed dog , loosen the two screws (3) and turn the eccentric shaft inserting screwdriver through the adjustment hole in the machine bed .

4. For the machine with a thread trimmer , there can be no space between the counter knife and the underside of the feed dog when adjusting the feed mechanism (change in height and timing) or using a commercially-available feed dog . In this case , place a feed bar spacer under the feed mechanism and a throat plate spacer under the throat plate so as to secure a space between the counter knife and the underside of the dog .

The standard inclination of the feed dog is obtained by adjusting the feed dog so that it becomes horizontal when it rises above the top surface of the throat plate.

### 7.06 Attaching/removing the hook



When you replace the sewing hook , remove it in the following procedures ;

Turn the hand wheel until the needle reaches to

its highest position .

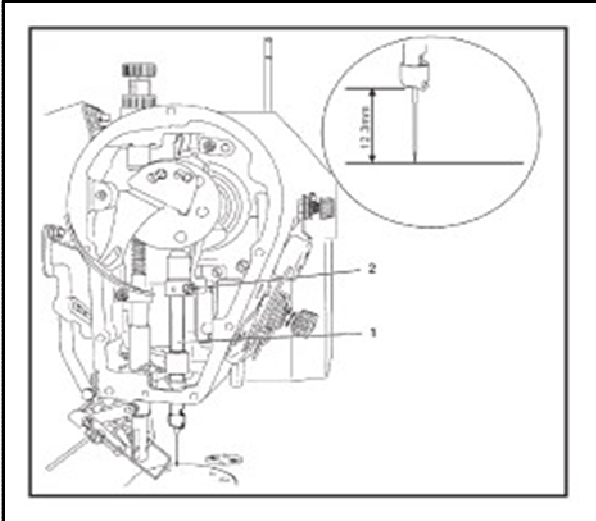
Remove the needle, presser foot, throat plate, feed dog and bobbin case from the machine.

Remove the setscrew (1) and take out the bobbin case positioning finger (2) .

Loosen the two screws (4) and remove the sewing hook (3) .

Reverse the above procedures when inserting the sewing hook. At this time , make sure that top end A of the bobbin case positioning finger is aligned with line B. as shown in the figure on the left . Never let A protrude from line B.

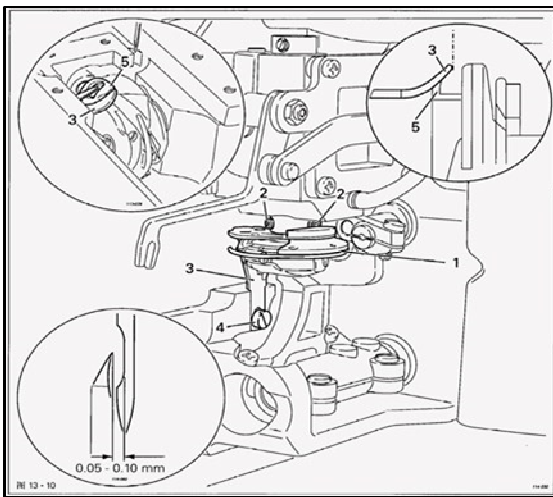
**7.07 Needle height (preliminary adjustment)**



**When the needle bar is at b.d.c (bottom dead centre) , the needle bar should be 12.3 mm above the needle plate.**

1. Set the zigzag width "0". Bring the needle to the center of the zigzag stroke.
2. Remove the presser foot, to which the throat plate is to be attached, of the bed. Loosen setscrew (2). Without twisting it, adjust needle bar (1) (screw (2)) in accordance with the

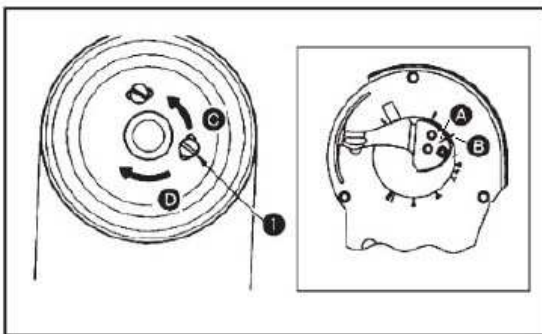
**7.08 Needle rise, hook clearance and bobbin case position stop**



When the zigzag stitch and the stitch position set at "0", when the needle bar is positioned at 3.4 mm after b.d.c, the hook point should be contacted to the needle and the needle to hook point clearance should be 0.05 – 0.10 mm. The front edge of the bobbin case position stop 3 should be level with the edge of holder 5.

**When thread breakage has occurred, there is a case where thread is caught in the hook. Be sure to perform sewing after removing the thread caught in the hook**

**7.09 Adjusting the stop position of the needle**



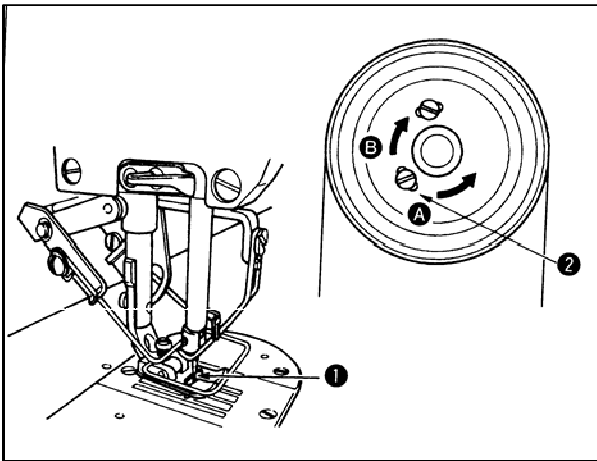
**Do not operate the sewing machine with screw 1 loosened. Loosen the screw only, and do not removed it.**

**Stop position of the needle after thread trimming**

1. The needle stops at the standard stop position when marker dot A engraved on the hand wheel cover is aligned with white marker dot B engraved on the hand wheel .
2. Stop the needle at the highest position of its stroke , loosen screw (1) , and adjust the stop position of the needle by moving screw (1) within the slot .

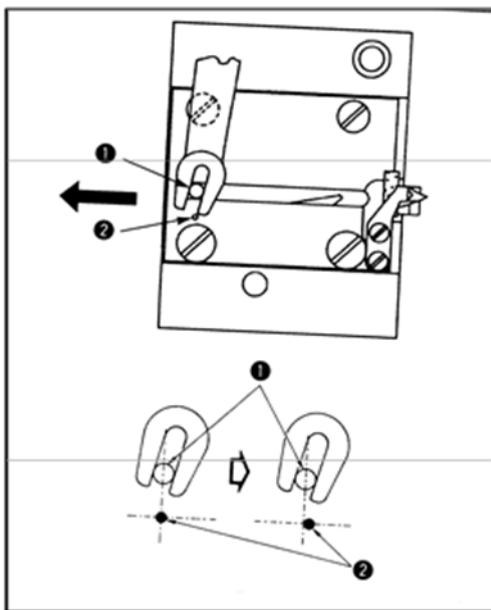
(1) Move the screw in the direction C to advance the timing to make the needle stop . (2) Move the screw in the direction D to retard the timing to make the needle stop





When you return the pedal to its neutral position after having depressed the front part of it, the needle stops at the lowest stop position. As in the case of the adjustment of the highest stop position of the needle, stop the screw (1) in the lowest position of its stroke, loosen the screw (2), and adjust the lowest stop position of the needle by moving the screw (2) within the slot. Move the screw in the direction of A to advance the timing to make the needle stop or in the direction of B to retard it.

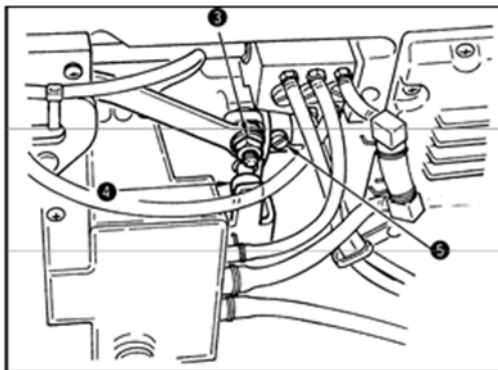
### 7.10 Adjusting the thread trimmer



Initial position of the moving knife

When the moving knife is in its initial position, the moving knife pin (1) should be aligned with

the engraved marker dot (2) as shown in the figure on the left.



**If the initial position of the moving knife is not correct**

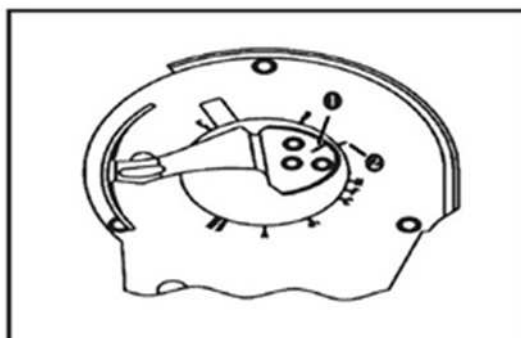
Loosen the nut (3), and move the moving knife to the right or left until the pin (1) meets the marker dot (2). Then, tighten the nut (3).

#### Adjusting the thread trimming timing

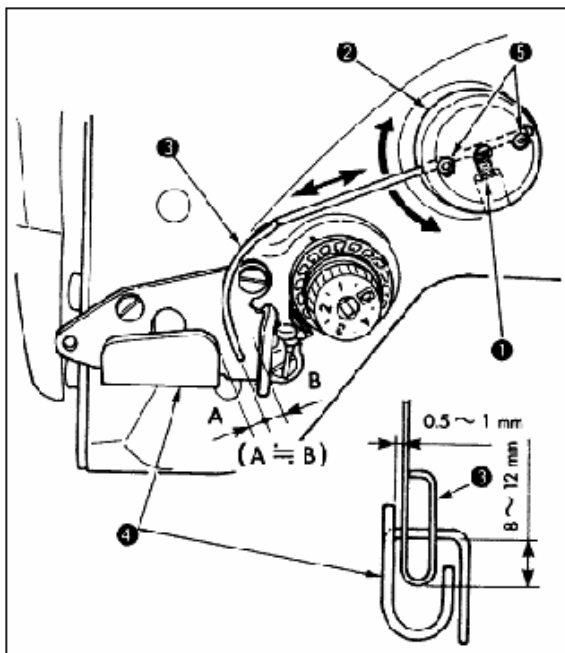
Put roller (4) in the cam groove. Now, gradually turn the hand wheel in the reverse direction.

Put roller (4) in the cam groove. Now, gradually turn the hand wheel will go no further when marker dot (1) engraved on the hand wheel cover is aligned with red marker dot (2) engraved on the hand wheel.

To adjust the thread trimmer cam, align the red marker dot on the hand wheel cover with the red marker dot on the hand wheel, put the roller in the groove of the thread trimming cam, and gradually turn the hand wheel in the direction opposite to the direction of rotation of the hook driving shaft until it will go to further. Now, tighten two screws (5).



### 7.11 Adjusting the needle thread feeding device



At this time, leave a space of 0.5 to 1mm between the feeding wire and the Top surface of the thread the feeding wire and the top surface of the thread take-up thread guide A.


#### Standard position of the feeding wire

1. Loosen screw (1) .
2. Turn the feeding wire together with feeding wire installing base (2) , adjust the installing position of the feeding wire so that a distance of C (8 to 12mm) is provided between the top end of feeding wire (3) and the guide portion of thread take-up thread guide A (4) , and tighten screw (1) .
3. Finely adjust with setscrews (5) so that the top end of the feeding wire is placed approximately in the center (A=B) of the thread take-up thread guide A .

When needle thread feeding amount is desired to be increased:

- Loosen setscrew □ and adjust the relation between A and B to A>B .
- Loosen setscrew □ and when the whole feeding wire installing base □ is adjusted to the upward direction (decrease the value , C) , the feeding amount can be increased

## 8. Maintenance

	<p><b>To protect against possible personal injury due to abrupt start of the machine, be sure to start the following work after turning the power off and ascertaining that the motor is at rest.</b></p>
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### 8.01 Maintenance intervals

Cleaning.....	daily, several times if in continuous use
Checking the oil level.....	daily, before operation



During all cleaning work the machine must be disconnected from the power supply by switching off the main switch or pulling out the plug!  
 Danger of injury if the machine is started accidentally!

### 8.02 Cleaning the machine

The cleaning cycle required for the machine depends on following factors:

- Single or several shift operation
- Amount of dust resulting from the work-piece

It is therefore only possible to stipulate the best possible cleaning instructions for each individual case.



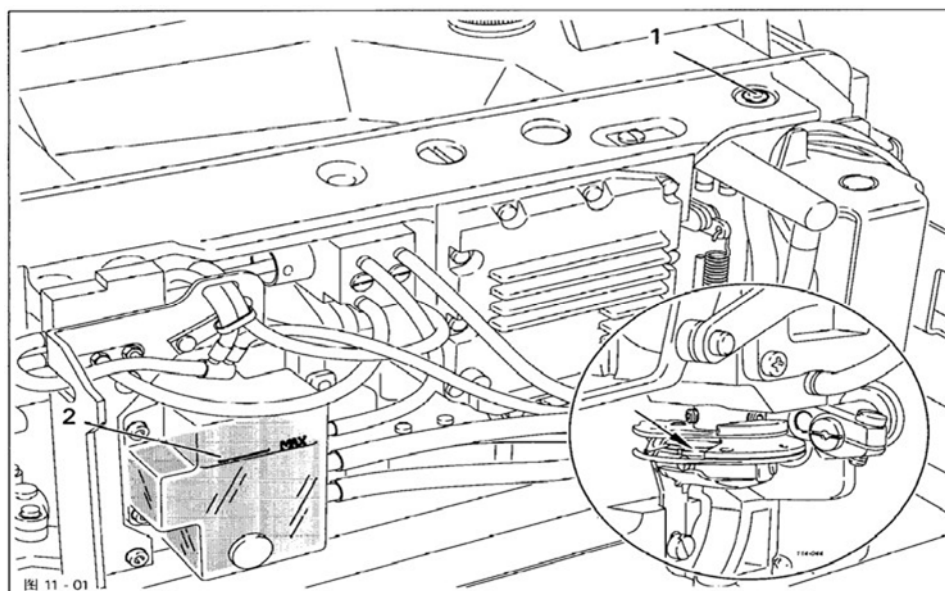
To avoid breakdowns, the following cleaning work is recommended for single shift operation:

To avoid breakdowns the following cleaning work is recommended for single shift operation:



Clean hook compartment and needle area of sewing head several times daily.  
 Clean the entire machine at least once a week.

### 8.03 Oiling the machine

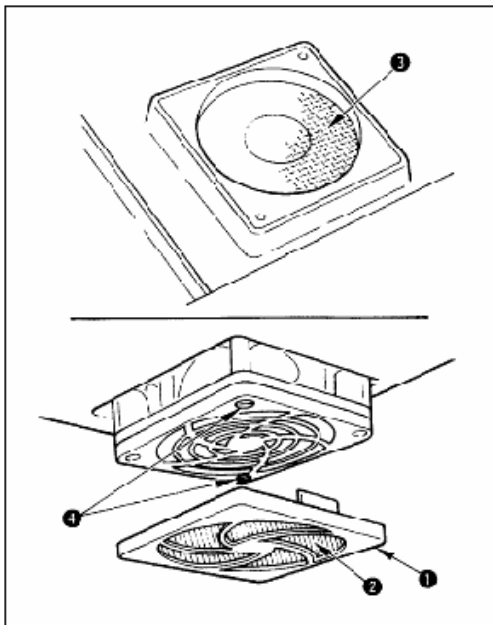


Switch off the machine!

1. Tilt the machine back.
2. Remove plug (1) and pour oil into the hole until it reaches marking (2).
3. Before commissioning the machine and after long down periods, pour a few extra drops of oil into the hook race, see arrow in enlarged illustration

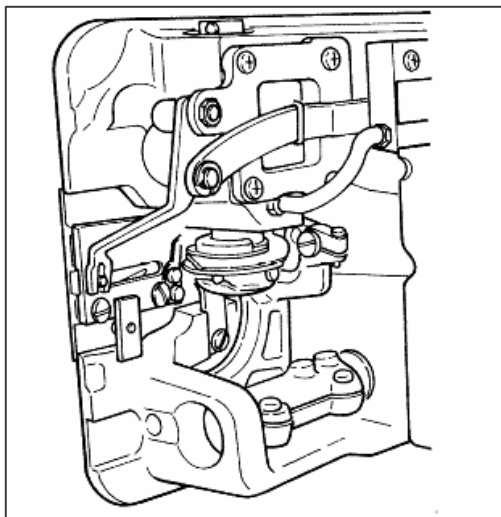
Only use oil with a viscosity of 10.0 mm<sup>2</sup>/s at 40°C and a density of 0.847 g/cm<sup>3</sup> at 15°C.

#### 8.04 Cleaning the cooling fan installed on the under cover



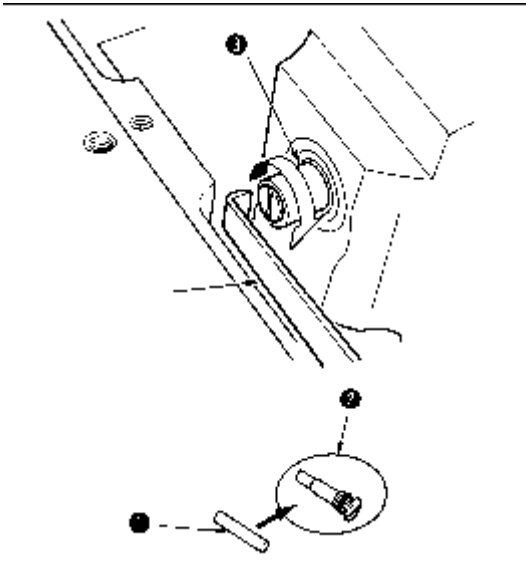
Cloth waste or the like gathers around the cooling fan filter section installed on the lower part of the under cover, and there is a case where cooling effect of the machine head is decreased.

#### 8.05 Cleaning the hook section



When cloth waste or the like gathers around or adheres to the hook section, trouble (defective sewing, seizure of hook, etc.) of sewing machine will be caused. Periodically clean the section.

### 8.06 Replacing procedure of the hook shaft oil wick



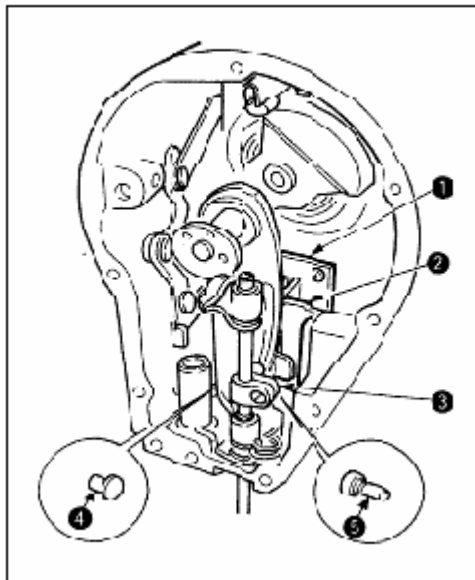
1. Hook shaft oil wick (1) is mounted on the top end of hook shaft (3) . Remove the needle and the parts around the needle (presser foot , needle , throat plate , feed plate , hook and woodruff plate ) , put a spanner , top end of which is L-shaped to the groove section of hook shaft oil wick screw (2) , turn the hand wheel in the normal direction of rotation by hand , and draw out the screw .

2. Draw out hook shaft oil wick (1) from hook shaft oil wick screw (2) which has been drawn out and push a new hook shaft oil wick (1) to hook shaft oil wick screw (2) . At this time , be sure to check that hook shaft oil wick has entered up to the end of hook shaft oil wick screw (2) .

When re-assembling , check that the hole at the top end of hook shaft oil wick screw (2) is not broken .

3. Securely tighten hook shaft oil wick screw □ to the top end of hook shaft (3).

### 8.07 Applying the exclusive grease



It is effective to periodically replenish the grease using the exclusive grease supplied as accessories. (It is not necessary to replenish the grease when the sewing machine is operated under the normal condition . However , when the sewing machine is operated under the sever condition , perform replenishing .)

Apply the exclusive grease supplied as accessories to all of the rocking mechanism components ((1) through (5) ) located inside the face plate section . However , do not apply the grease to the needle bar

# CE DECLARATION OF CONFORMITY

Distributor:

Strima Sp. z o.o.

Swadzim, st. Poznańska 54

62-080 Tarnowo Podgórne, Polska

We declare, that the following product:

Computerized zigzag machine

**Ziggy** (ZJ2290S-SR)

which this declaration relates, complies with the following directives:

Machine directive 2006/42/WE

Low voltage directive 2006/95/WE

Harmonized norm used: EN 60204-1





Dealer:

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