

GN9000

INSTRUCTION BOOK



HIGH-SPEED OVERLOCK SEWING MACHINE



TYPICAL

INTRODUCTION

Thank you very much for purchasing sewing machine.

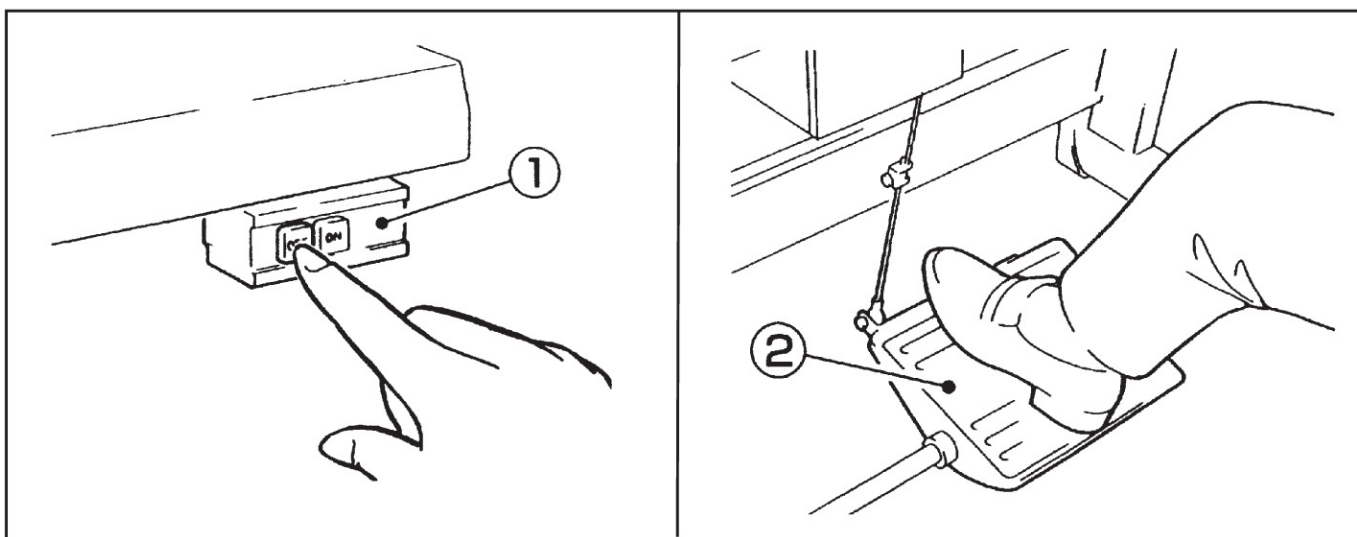
This instruction manual describes daily routine maintenance and safety precautions to keep the machine in the best possible conditions.

Please study this manual very carefully before operating the machine.

OBSERVE THESE SAFETY PRECAUTIONS

Though GN9 series takes the utmost care to produce safe sewing machines and devices, operators should follow these basic safety rules.

- To prevent accidents, do not remove safety devices or parts while operating the machine.
- Do not leave tools or other unnecessary objects on the machine table while operating the machine.
- Before maintenance, adjusting, cleaning, threading or replacing the needle, and to prevent accidents, be sure the power is turned off. Check that the machine will not operate when the pedal is pressed.



- Turn the power off before leaving the machine table.
- In the event of a power failure, be sure to turn the machine off.
- Check that the machine is securely grounded.
- ▲ In case a clutch type motor is used, it will keep on rotating by inertia after turning off power supply ①. If the machine pedal ② is stepped on inadvertently, it is dangerous because the machine will move unexpectedly.
- ▲ Keep on stepping on the machine pedal ② until the machine comes to a stop after turning off the power supply ①.

CONTENTS

■ BEFORE OPERATING

Schematic diagram of the machine table	3
Installing the machine head	4
The machine speed and the turning direction	4
Lubrication	5
Manual lubrication	5
Filling the HR device with silicon oil	6
Threading	6

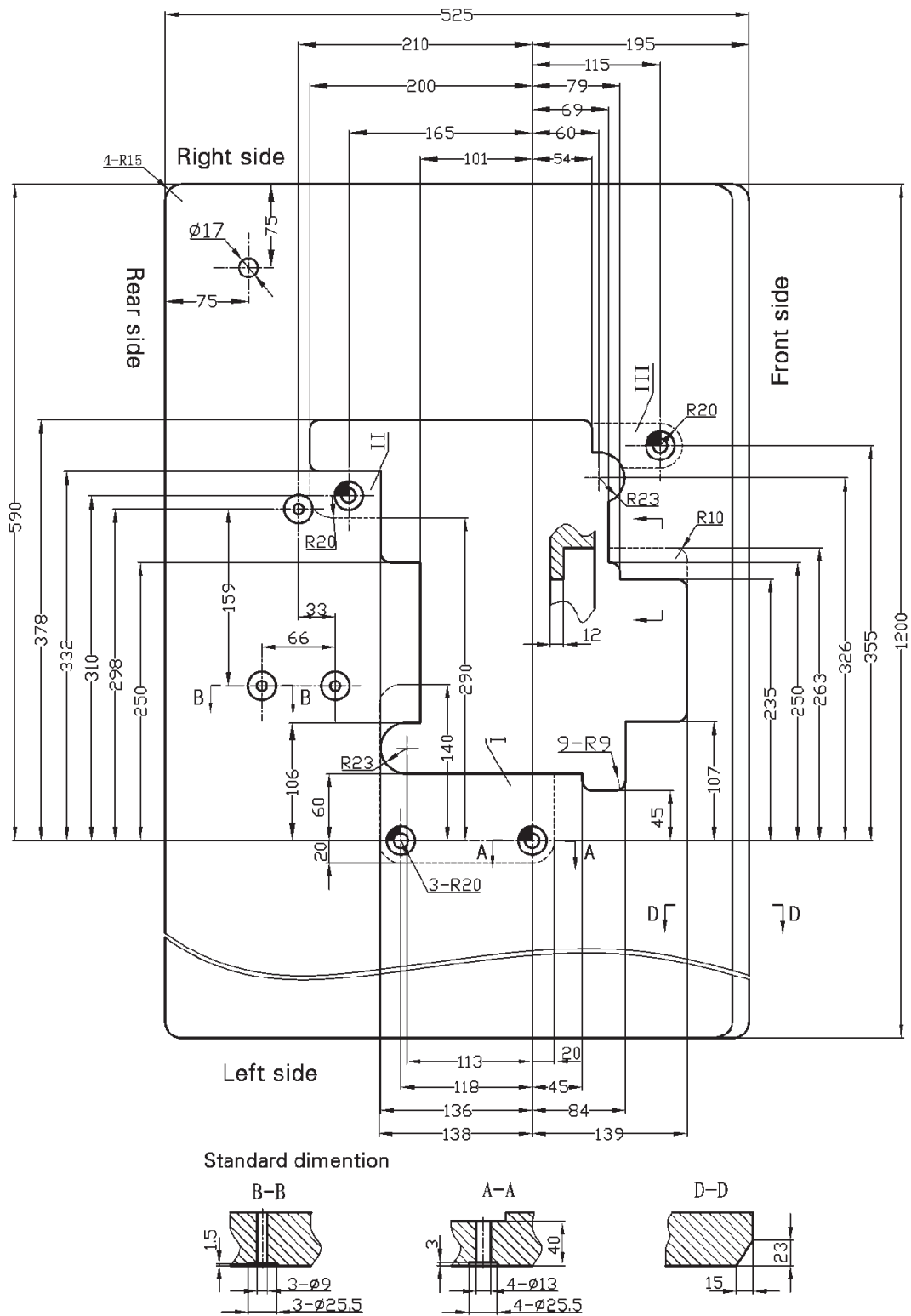
■ TEST SEWING

Adjusting the presser foot pressure	7
Adjusting the diff. feed ratio	8
Adjusting the stitch length	8
Adjusting the thread tension	9

■ MAINTENANCE DURING USE

Cleaning the machine	9
Replacing the needle	9
Checking the oil circulation	10
The check of the filter fixs and replace	10
Replacing the oil	11
Replacing the lower knife	11
Adjustment dimensions	12
Standard needle	12

- Cut the table referring to the diagram .

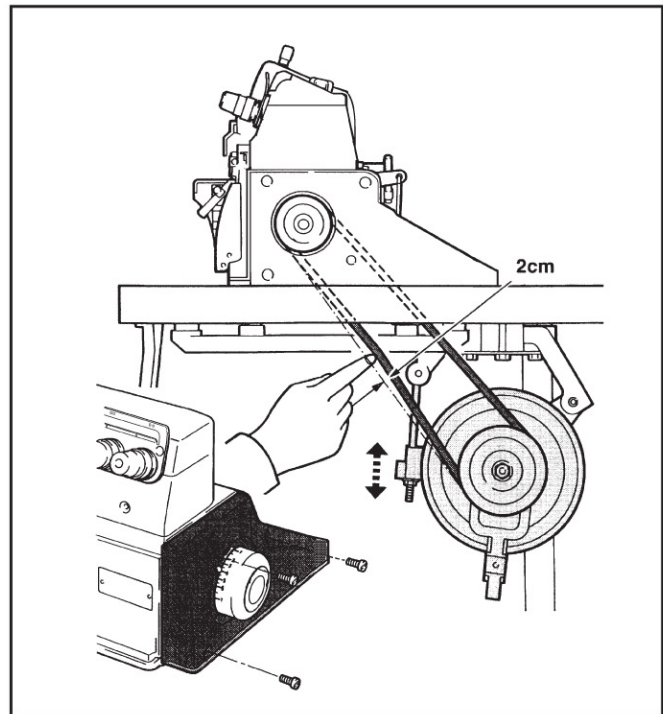


▲ When the thickness of table is more than 40mm, please make process of I II III broken line parts.

BEFORE OPERATING

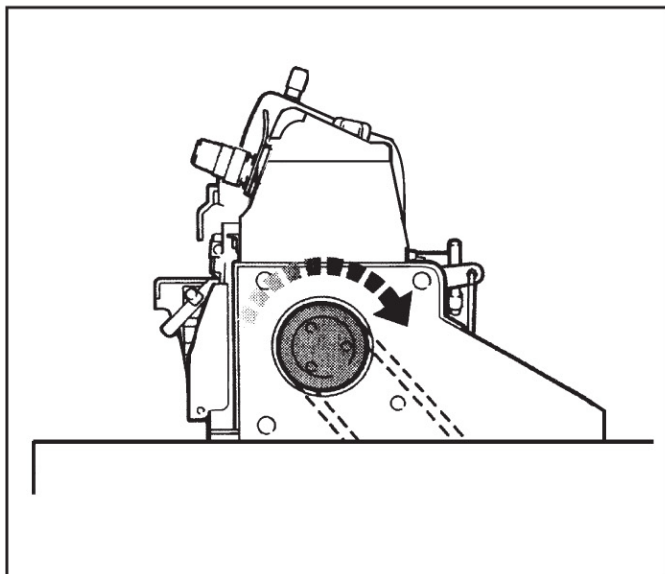
Instaling the machine head

1. Mount the machine head on the mahcine rest board.
2. Adjust the tension of the belt so that it can be about 2cm bent inward when you press the middle of it.
Adjust the height of the motor to do this.
3. Install the belt cover referring to the Figure.



BEFORE OPERATING

The machine speed and turning direction



The machine rotates clockwise when seen from the machine pully side.

Modle	Sewing speed(max) (r.p.m)
-3	7500
-4H	7000
-5	7000

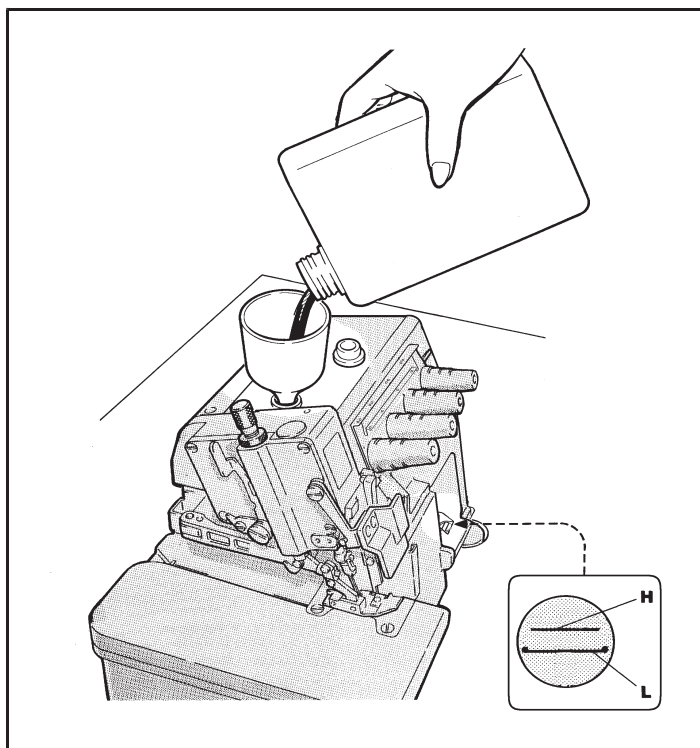
- ⚠ Make sure your machine type and run it not exceeding the maximum speed as listed in the table.

BEFORE OPERATING**Lubrication**

After filling the oil pan, the top of oil indicator should lie between (H) and (L) lines.

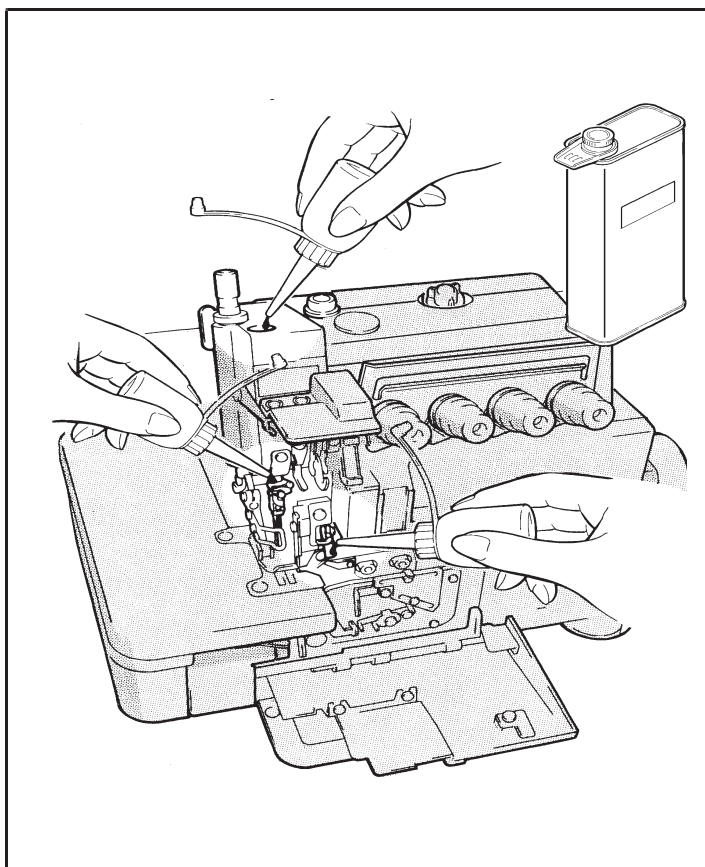
Add oil, when it reaches or goes below (L).

Note: Use our company recommended oil

**BEFORE OPERATING****Manual lubrication**

Apply 2 or 3 drops of oil by hand when the machine is used for the first time or has been left unused for some time.

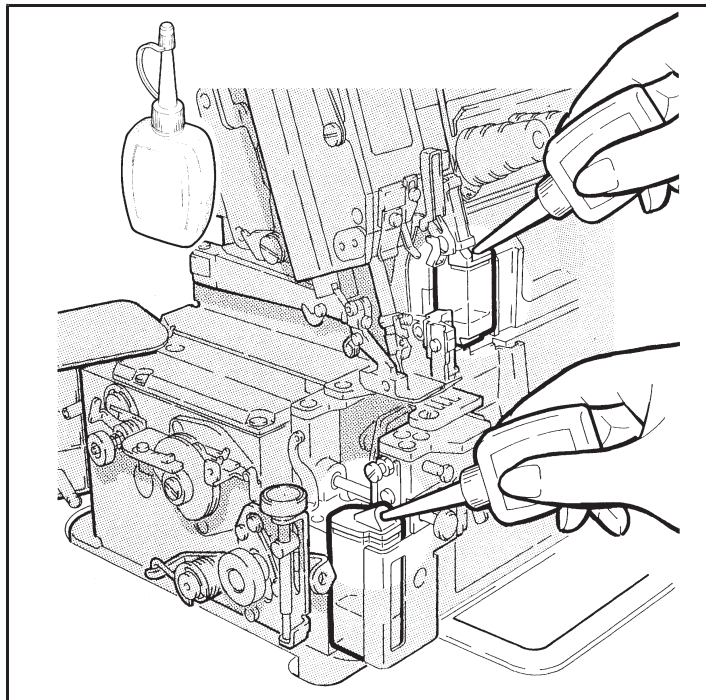
Note: Use our company recommended oil



BEFORE OPERATING

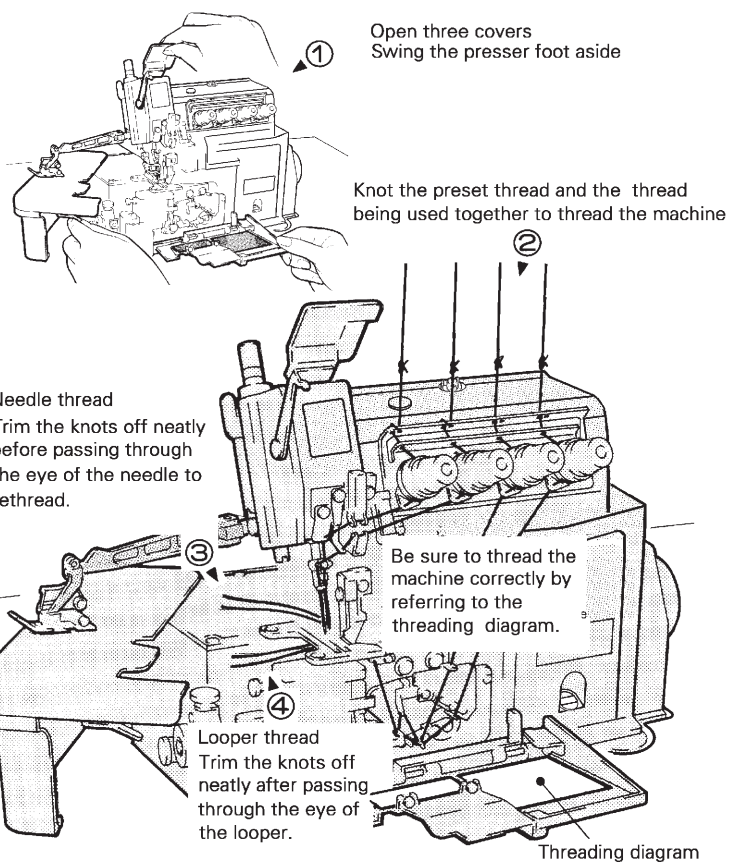
Filling the HR device with silicon oil

Fill the HR device with oil before it is too low in order to prevent needle thread breakage and fabric damage.



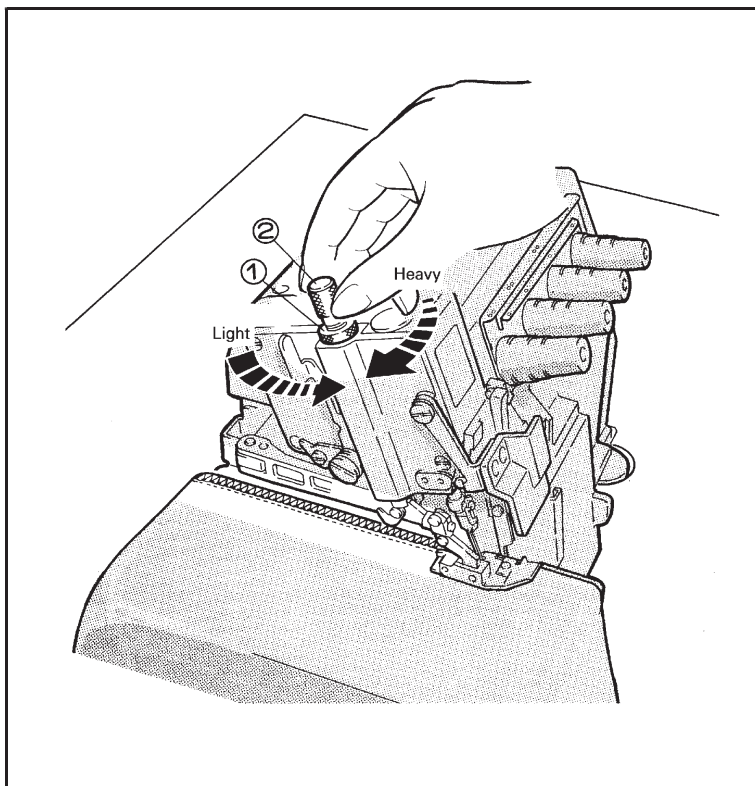
BEFORE OPERATING

Threading



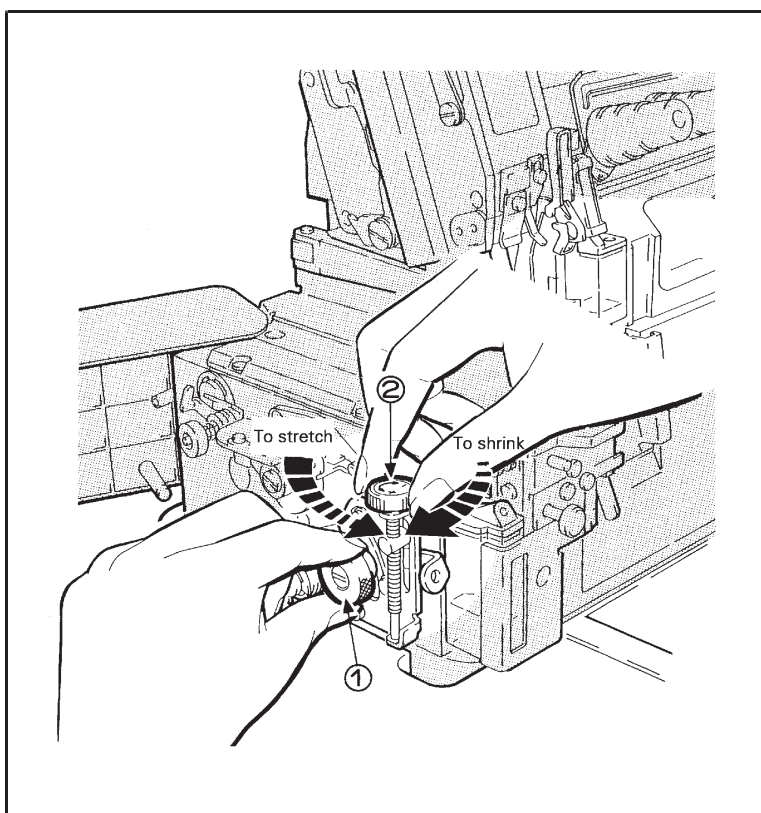
TEST SEWING**Adjusting the presser foot pressure**

Turn adjusting screw to adjust the presser foot pressure. It should be as light as possible, yet be sufficient to obtain the proper stitch formation.

**TEST SEWING****Adjusting the diff.feed ratio**

Loosen the nut and move the lever up and down to obtain the correct differential feed ratio.

Tighten the nut after positioning the lever as desired.



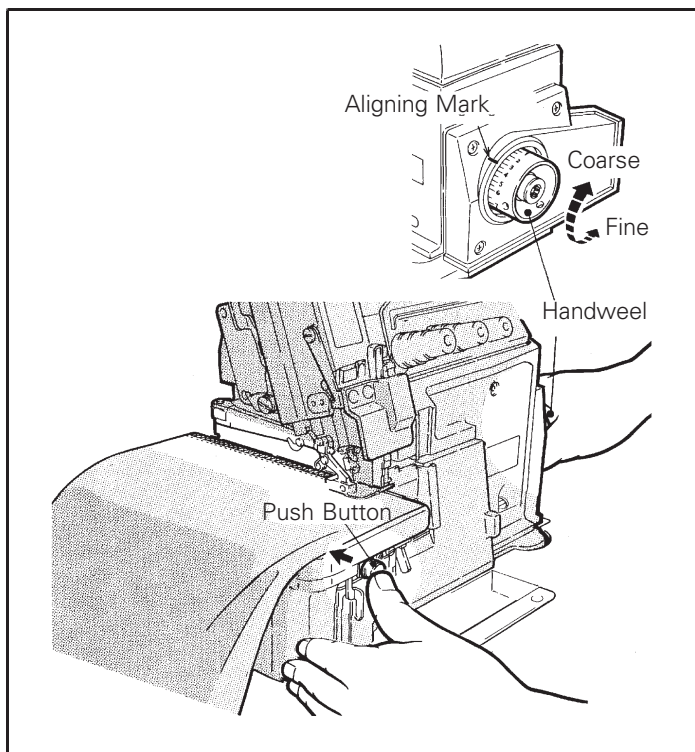
TEST SEWING

Adjusting the stitch length

1. While pressing the push button, turn the handwheel to seek the position at which the push button goes further into the depth.

2. Then, keeping the push button pressed, turn the handwheel and set the desired scale to the aligning mark.

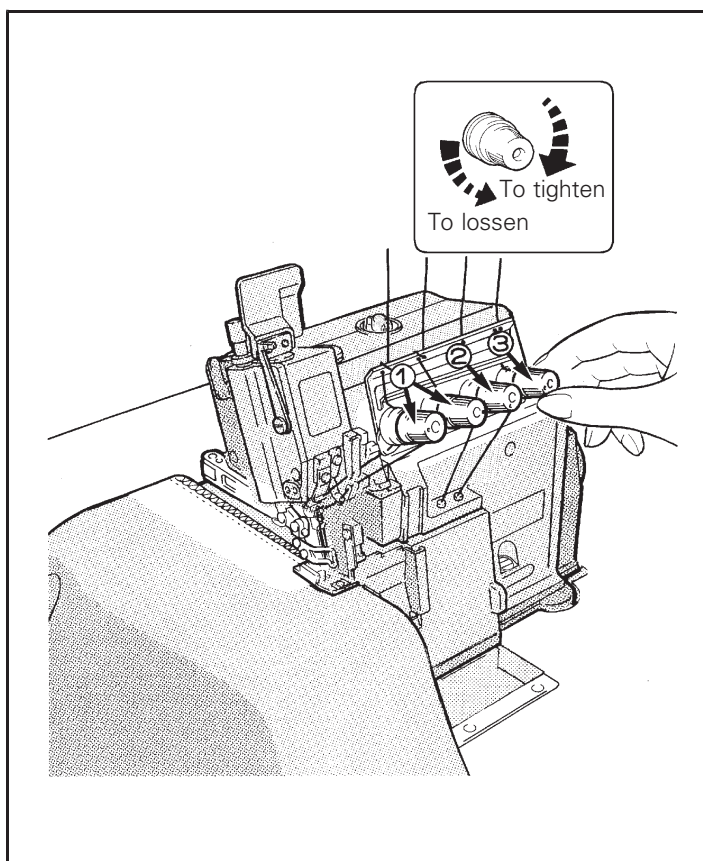
⚠ Note: Stitch length adjustment must only be made after the differential feed ratio has been changed.



TEST SEWING

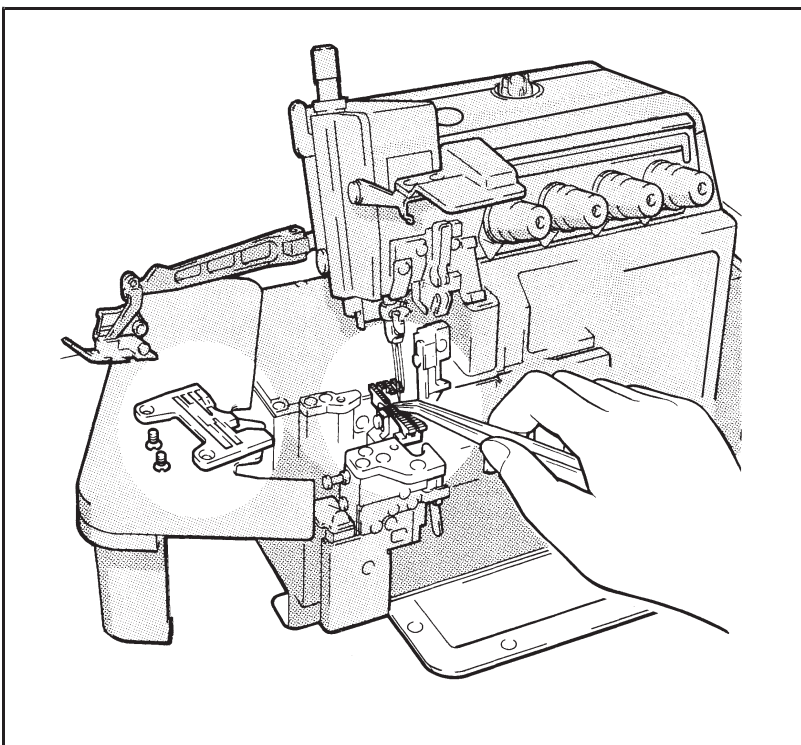
Adjusting the thread tension

Make tension adjustments with the needle thread knot①, the upper looper knob②, and the lower looper knob③.



MAINTENANCE
DURING USE

Cleaning the machine



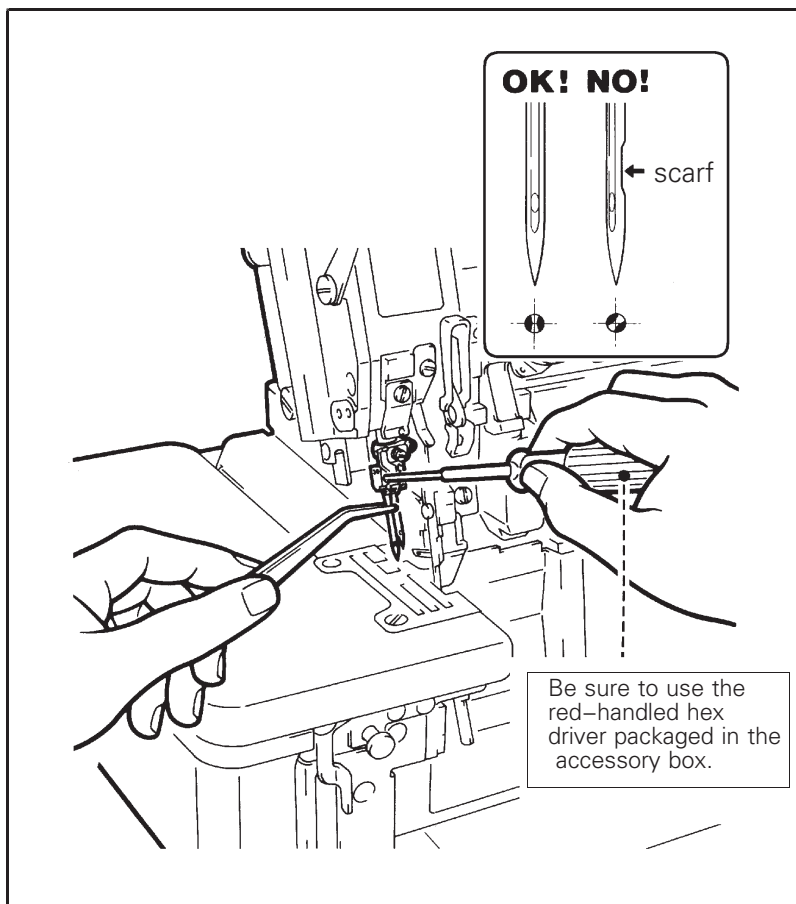
Mainly the slots of the needle plate and the feed rows should be cleaned.

MAINTENANCE
DURING USE

Replacing the needle

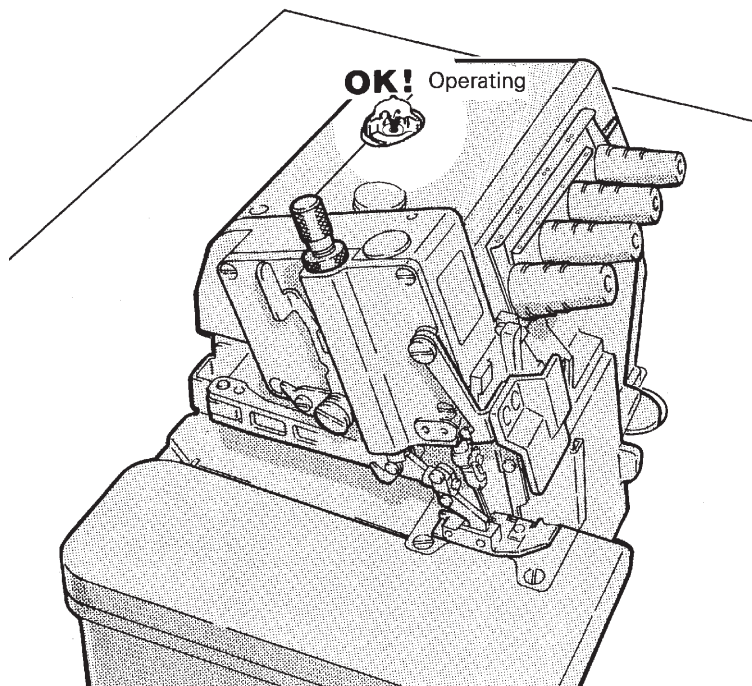
Check the needle carefully to see that the scarf is turned to the rear of the machine. Insert the needle to the proper depth, and fasten securely.

Be sure to use standard needle. Refer to ADJUSTMENT DIMENSIONS on the end of instructions.



MAINTENANCE
DURING USE

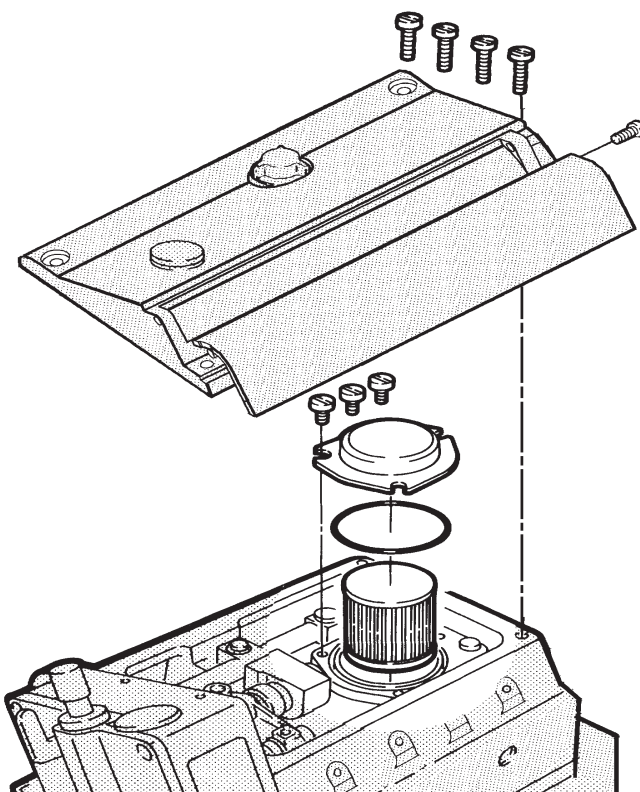
Checking the oil circulation



MAINTENANCE
DURING USE

The check of the filter fixs and replace

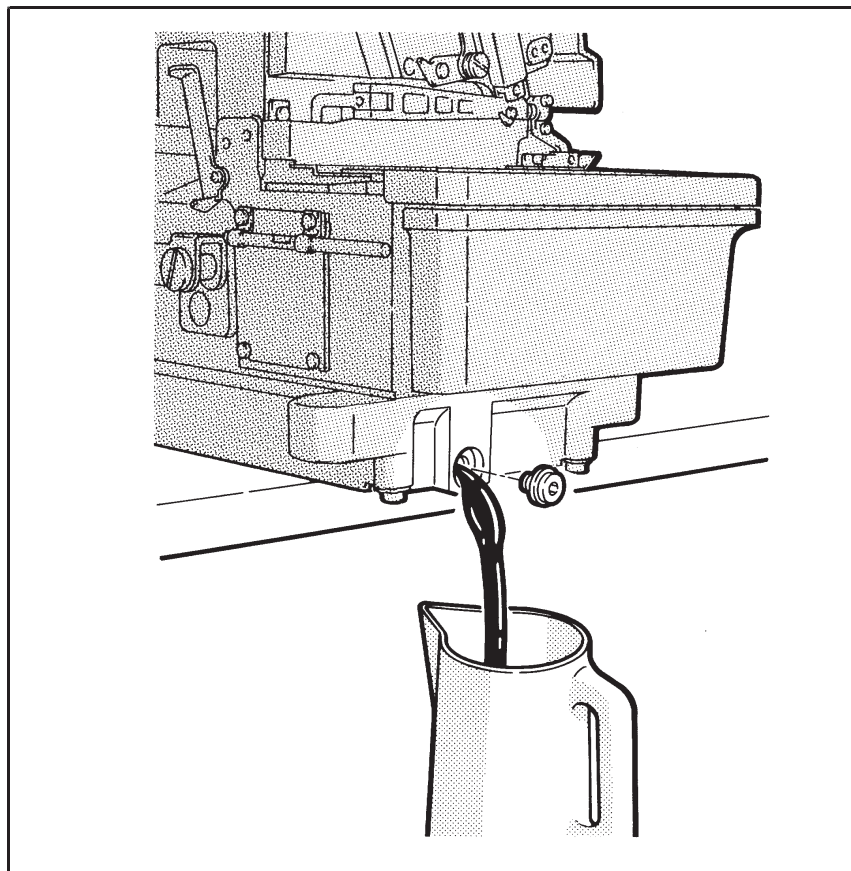
Please clean up the trash or change a new one each 6 months.



MAINTENANCE
DURING USE

Replacing the oil

Replace the oil one month after the first use and every six months thereafter.



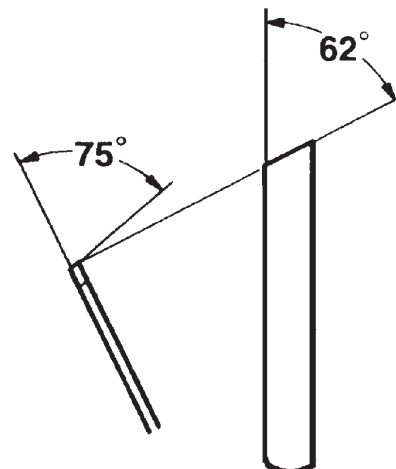
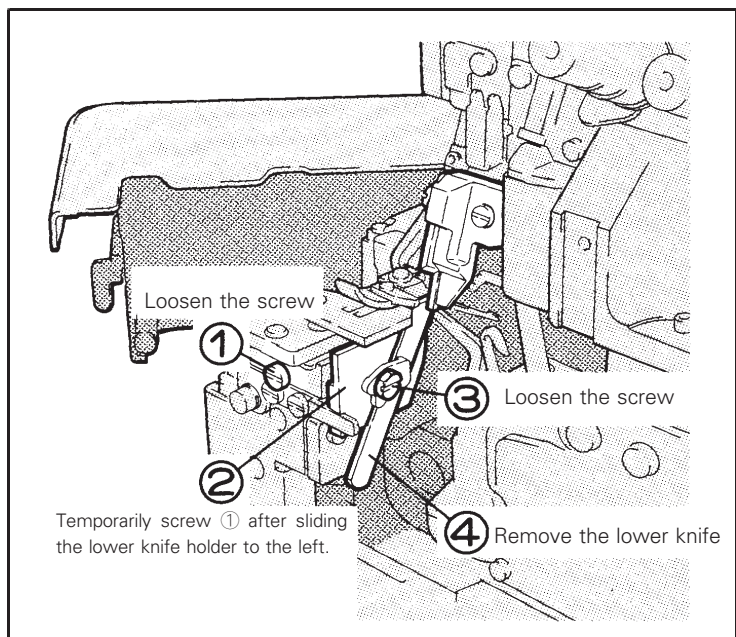
MAINTENANCE
DURING USE

Replacing the lower knife

To remove the lower knife

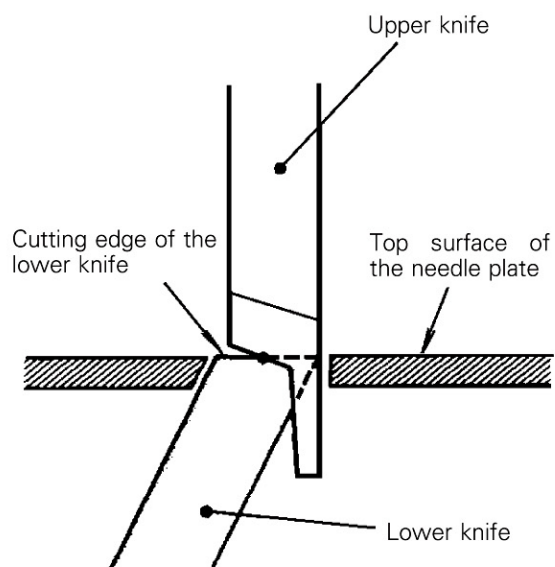
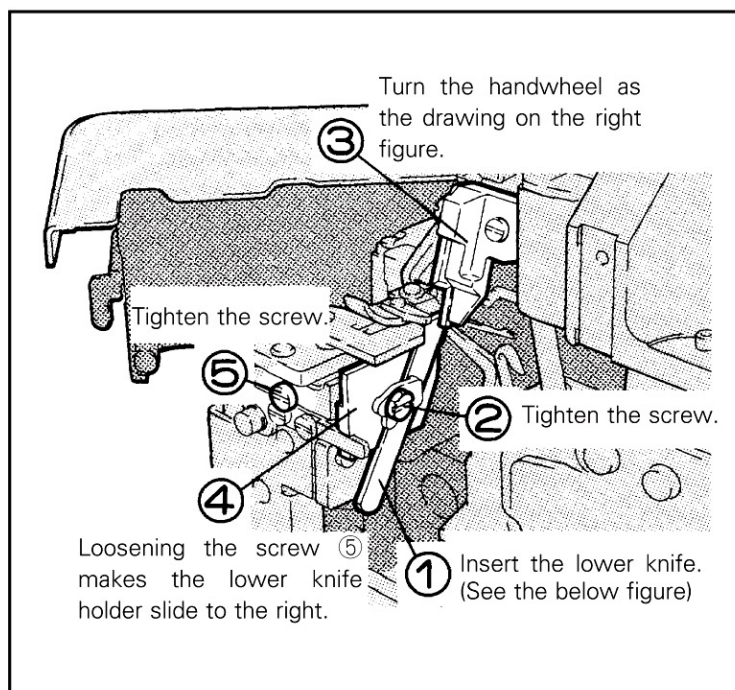
Temporarily screw ① after sliding the lower knife holder to the left.

Correct angles to resharpen the lower knife.



Replacing the lower knife

To replace the lower knife



Level of A=Level of B
Check cutting action of knives.

Adjustment dimension GN9

(mm)

-3	9.9~10.1	3.8~4.0	4.5~5.0	0.8~1.0	5.0	
-4H	10.8~11.0	3.6~3.8	5.3~5.8	0.8~1.0	5.0	
-5	9.9~10.1	3.8~4.0	4.5~5.0	0.8~1.0	5.0	2.02

GN9 Standard needle

	DCX27
-3	11#
-4H	11#
-5	11#

GN9000



This machine may only be operated by adequately trained operators only after having completely read and understood the instruction manual.

Parts are subject to changes in design without prior notice.

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