W500 Series

INSTRUCTIONS

W500 series

平ベッド型偏平縫いミシン
Flatbed interlock machines

使用説明書
INSTRUCTIONS
INTRODUCTION

Thank you very much for purchasing Pegasus W500 Series 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.
CAUTION

OBSERVE THESE SAFETY PRECAUTIONS

Though Pegasus 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.

Note

In case a crutch type motor is used, it will keep on rotation by inertia after turning off power supply①. If the machine pedal② is stepped on inadvertently, it is dangerous because the machine will move unexpectedly. Keep on stepping on the pedal② until the machine comes to a stop after turning off power supply.

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After filling the oil can, the oil surface should lie between (H) and (L) lines.
Add oil when the oil surface reaches or goes below (L).

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油の量は、油面がH線とL線の間にくるように入れてください。
油面がL線より下がった場合は、油を補給してください。

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手差し給油は、はじめて使用するときと、暫く使わなかったときに2～3滴給油してください。

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.

モービルベロシティオイルNo.10
Mobil velocite oil No.10
Fill the HR device with oil before it is too low in order to prevent needle thread breakage and fabric damage.

Note: Use Pegasus recommended silicon oil.

(UNION CARBIDE CORPORATION)

UCC L-45 (New)
**Thread the machine correctly by referring to the threading diagram. (See P.6-7)**

**3. Knot the preset thread and the thread being used together to thread the machine.**

**4. Replace the looper thread take-up after threading.**

**5. Be sure to thread the machine correctly by referring to the threading diagram. (See P.6-7)**
Threading diagram (2・3-needle)

1. Broken lines A
   For more stretchable thread

2. If the top cover thread is too loose, use broken line A.
   If the top cover thread is still too loose after threading with broken line B, use broken line C.

3. For more stretchable threads

4. Broken lines E
   For more stretchable thread

5. For less stretchable threads
Thread diagram (4-needle)

Broken lines
For more stretchable thread

Solid lines
For normal thread

If the top cover thread is too loose, use broken line A.

If the top cover thread is still too loose after threading with broken line A, use broken line B.

If the top cover thread is too tight, use broken line C.

For more stretchable threads

For less stretchable threads

Broken lines E
For more stretchable thread
Presser foot pressure

Loosen adjusting nut ① and turn adjusting screw ② to adjust the presser foot pressure. It should be as light as possible, yet be sufficient to obtain the proper stitch formation.

押エ圧力の調節

押エ圧力は、①ナットを弛めて②ネジを回して調節してください。安定した縫い目が得られる範囲で、できるだけ弱くしてください。
Loosen nut ① and move the lever up ② and down to obtain the correct differential feed ratio, then tighten nut ①.

差動比は、①ナットを弛めてから、②レバーを上下に動かして調節し、①ナットを締めてください。
Diff. feed ratio adjustment

Open side cover ① and cover ②. Loosen screw ③ and move indicator ④ up and down to obtain the correct differential feed ratio, then tighten screw ③.

差動比の調節

差動比は、横カバー①とカバー②を開け、ネジ③を弛めて、指針④を上下に動かして調節し、ネジ③を締めてください。
While pressing the push button, turn the handwheel to seek the position at which the push button goes further into the depth. 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.
Open side cover ①. Holding handwheel ② still by hand, loosen nut ③ and turn screw ④ to adjust the stitch length.

Note: After adjustment, be sure to tighten nut ③ again.

Note: Stitch length adjustment must only be made after the differential feed ratio has been changed.
Make tension adjustments with needle thread knob ①, top cover thread knob ② and lower looper knob ③.

To tighten

To loosen
Mainly the slots of the needle plate and the feed rows should be cleaned.
**MAINTENANCE DURING USE**

**Replacing the needle**

**OK! NO!**

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.

**Needle Size**

<table>
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| **Needle Size**
| 2-needle  | 3-needle |
| **器官、UY128GAS** | 
| #9 | #10 |

**Note:** Do not remove the screw.

Be sure to use the red-handled allen key wrench packaged in the accessory box.
Checking the oil circulation
Checking and replacing the oil filter

オイルエレメントは、6ヶ月ごとにはずして点検または、交換してください。

Check and replace the oil filter every six months.

注：UT装置付ミシンのときは、ソレノイドのブラケットをはずしてください。
NOTE: On machines fitted with a UT Device, remove the solenoid bracket.
Replace the oil one month after the first use and every six months thereafter.

(See p. 2.)