

# ***ENGLISH***

## **PS-910-6055**

### **Auxiliary disk presser**

# **INSTRUCTION MANUAL**



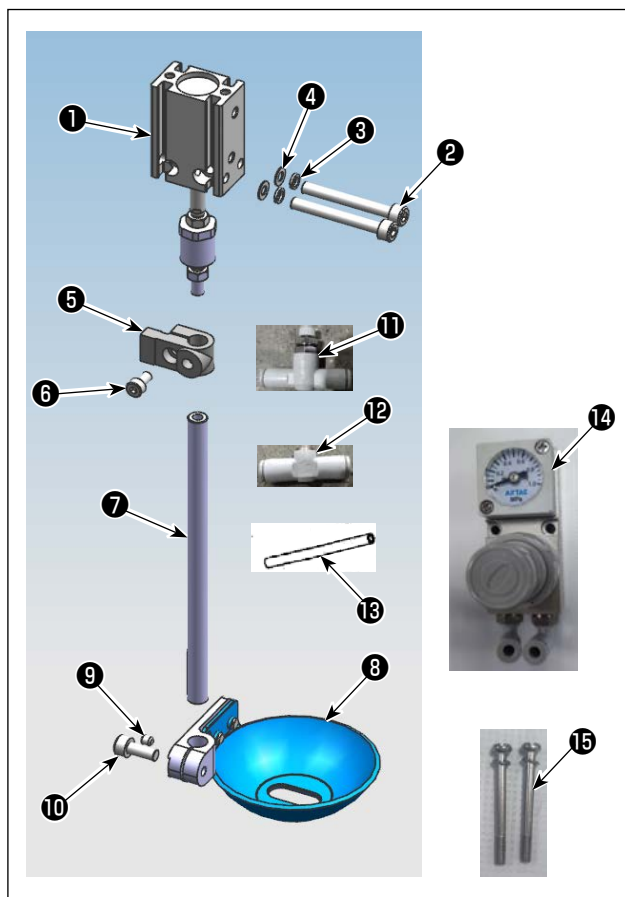
#### **CAUTION :**

This instruction manual explains about the auxiliary disk presser. When this product is to be used by installing it on a machine, read and fully understand “Cautions for safety” section in the instruction manual beforehand.

# CONTENTS

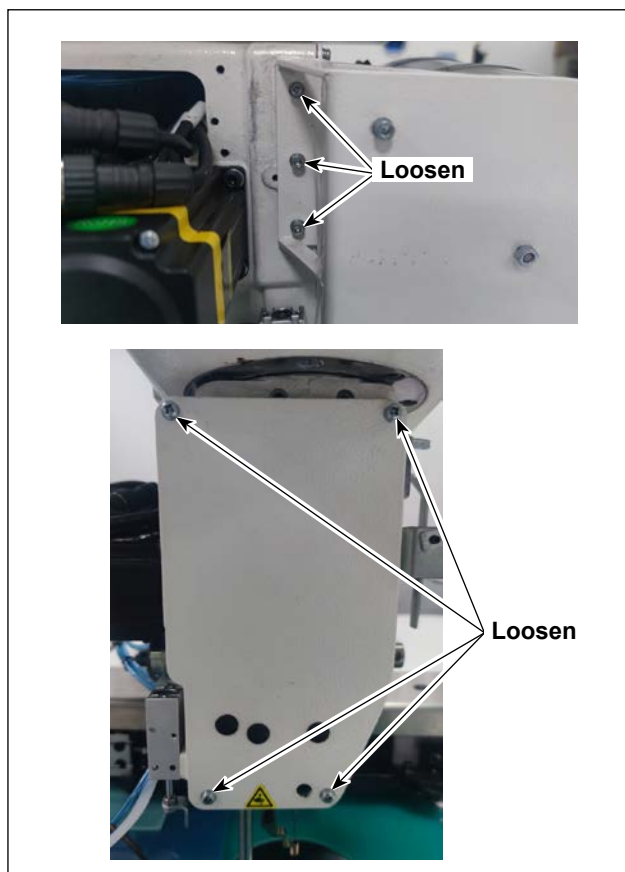
1. Parts list.....	1
2. Installing the device.....	1
3. Pneumatic wiring .....	4
4. Auxiliary disk presser adjustment procedure.....	7

## 1. Parts list

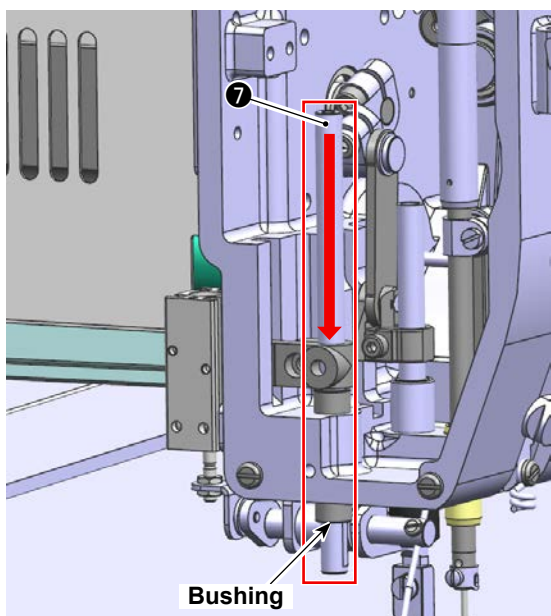
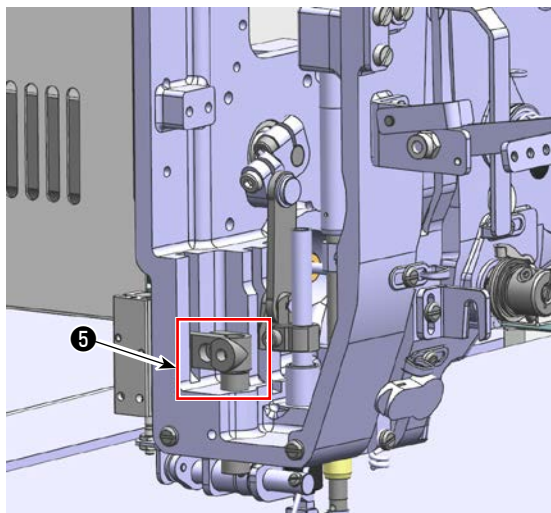


No.	Part name	Quantity
❶	Cylinder unit	1
❷	Screw	2
❸	Spring washer	2
❹	Washer	2
❺	Auxiliary presser foot bracket	1
❻	Screw	1
❼	Auxiliary presser bar	1
❽	Auxiliary disk presser (asm.)	1
❾	Screw	1
❿	Screw	1
⓫	Speed controller	1
⓬	Straight union	1
⓭	Air pipe	5
⓮	Regulator	1
⓯	Regulator fixing screw	2

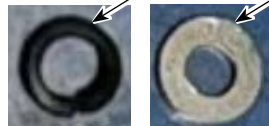
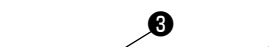
## 2. Installing the device



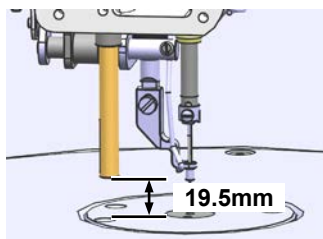
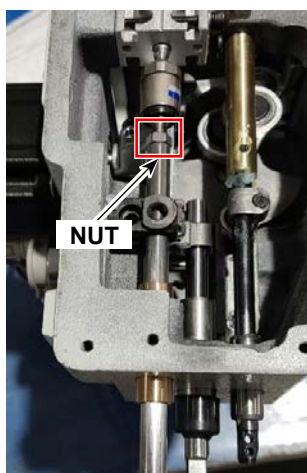
- 1) Loosen the bobbin winder can and face plate fixing screws, and remove the bobbin winder can and faceplate.



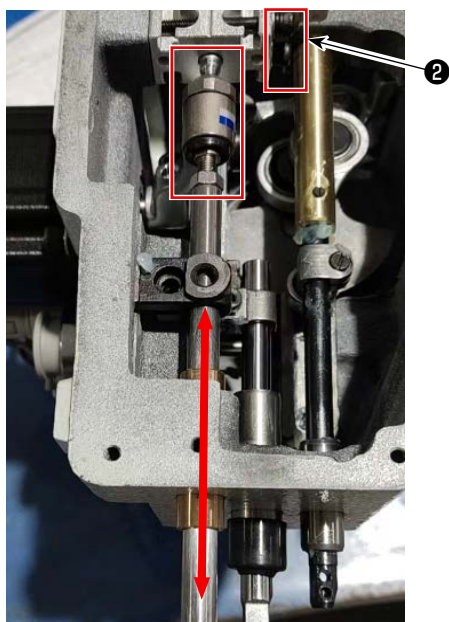
- 2) The sliding part of the auxiliary push foot bracket **5** fits into the groove of the arm.  
Pass the auxiliary presser bar **7** through the auxiliary presser foot bracket **5** and insert it into the bushing.



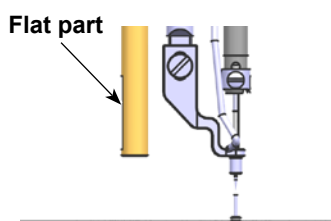
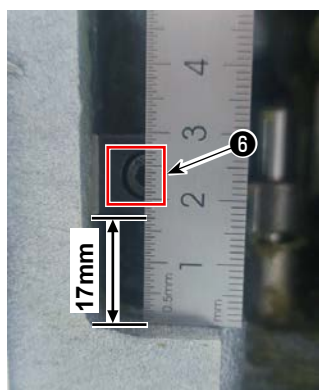
- 3) Attach the cylinder unit **1** to the arm and temporarily tighten it with **2** **3** **4**.



- 4) Connect the auxiliary presser bar ⑦ to the cylinder unit ①, adjust the distance between the presser bar end face and needle plate to 19.5 mm with the piston out, and then tighten the nut.



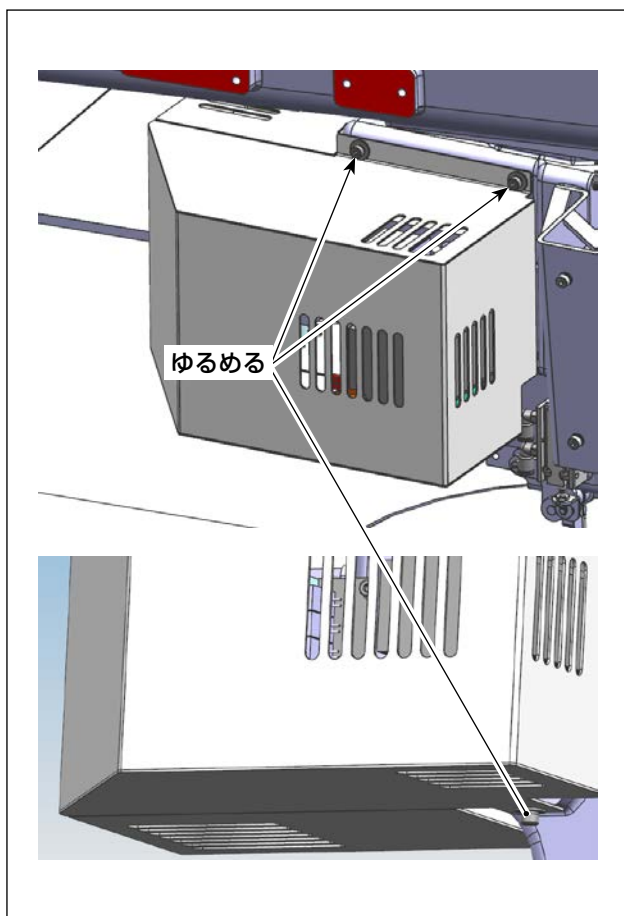
- 5) Loosen the setscrew ②, adjust the presser bar until it can move up and down smoothly in the metal, and then tighten the setscrew ②.



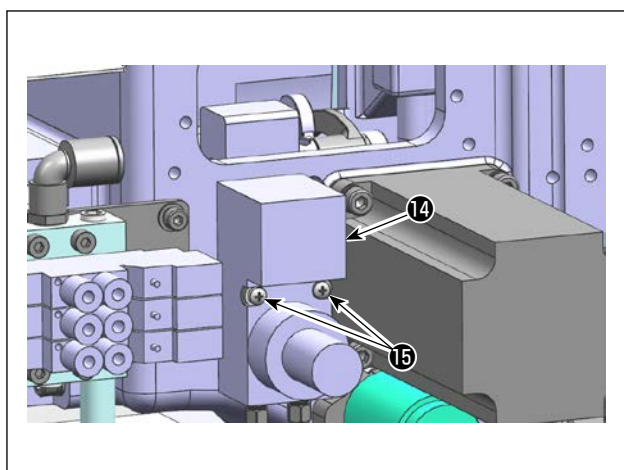
- 6) With the presser bar at its lower dead point, adjust the distance between the lower end face of the auxiliary presser foot bracket ⑤ and the arm material surface to 17 mm, adjust the direction of the flat part of the presser foot bar, and then tighten the setscrew ⑥.

**Caution** The flat part of the presser bar should face the opposite direction of the needle bar.

### 3. Pneumatic wiring

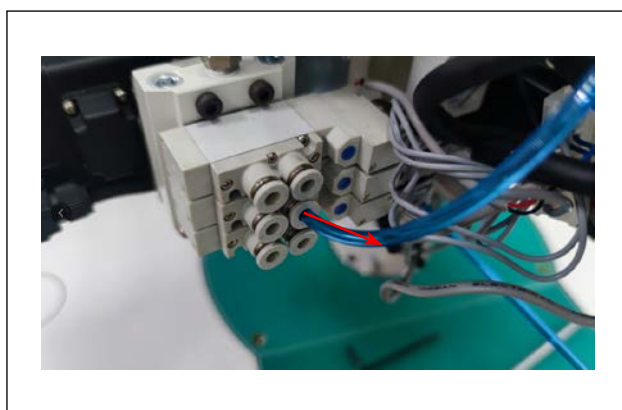
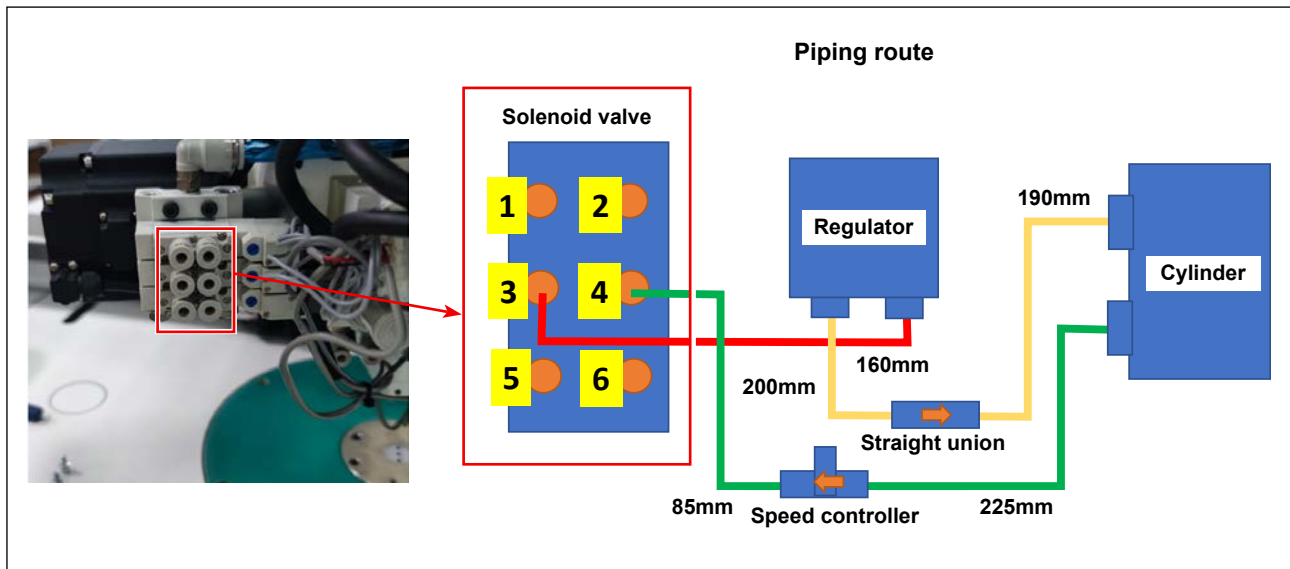


- 1) Loosen the intermediate presser motor cover fixing screws and remove the intermediate presser motor cover.



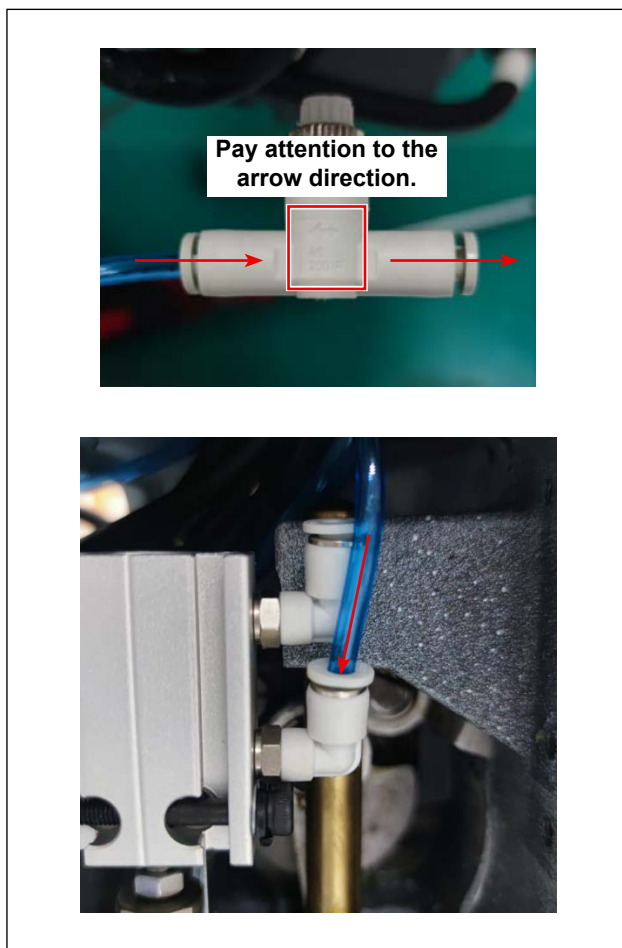
- 2) Set the regulator 14 in the position shown in the figure and fix it with the screws 15 .



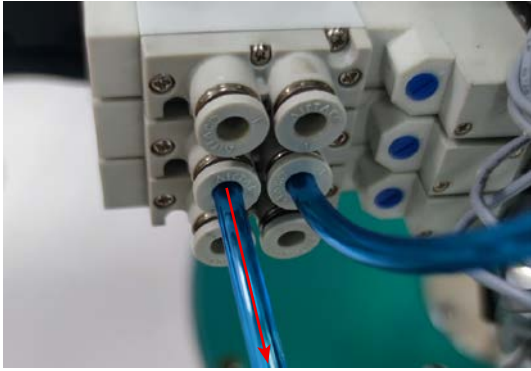


- 3) The air pipe comes out from No. 4 and is connected to the speed controller ①.

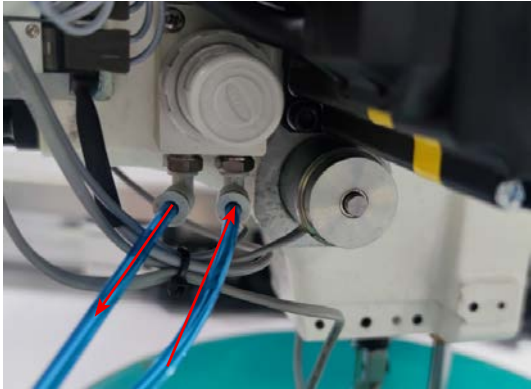
**Caution** There is an air flow direction marker on the speed controller. So, be careful.



- 4) The air pipe comes out from the other end of the speed controller ① and is connected to the inner cylinder lower coupling of the head.



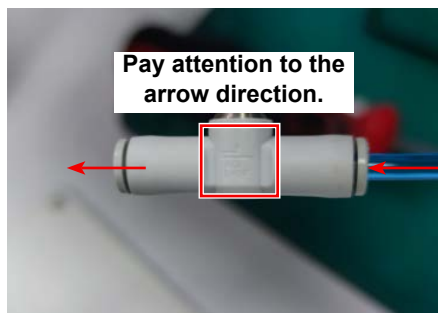
- 5) The air pipe comes out from No. 3 and is connected to the regulator right coupling.



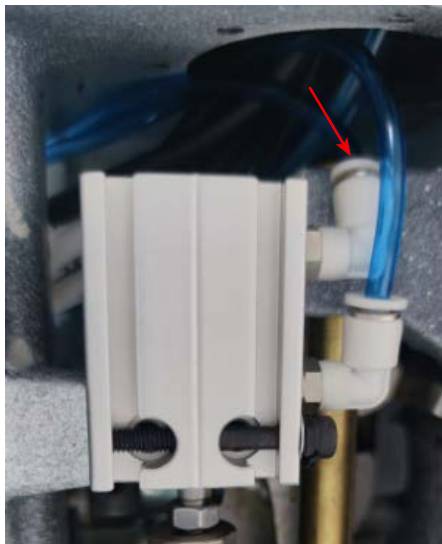
- 6) It comes out from the regulator left coupling and is connected to the straight union ⑫.



**There is an air flow direction marker on the straight union. So, be careful.**

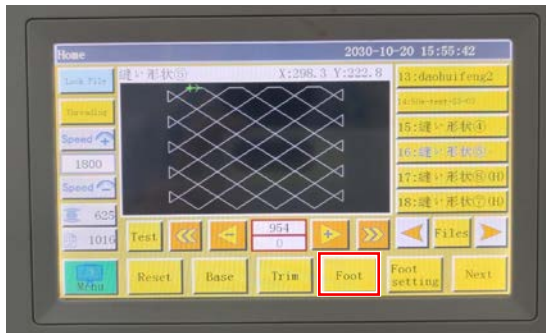


- 7) It comes out from the other end of the straight union ⑫ and is connected to the inner cylinder upper coupling of the head.

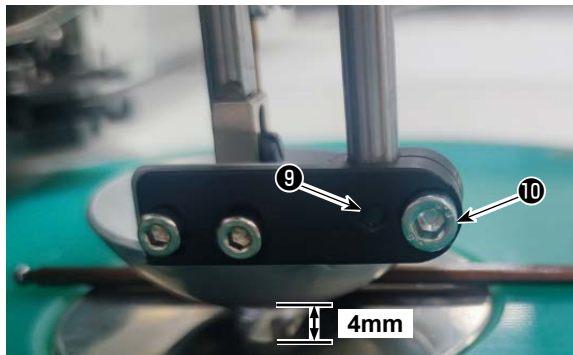




## 4. Auxiliary disk presser adjustment procedure



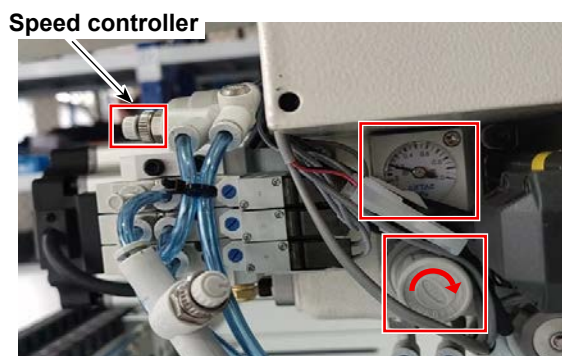
- 1) Press the button "Presser" and set the presser bar at its lower dead point.



- 2) Insert the auxiliary presser assembly ⑧ into the presser bar ⑦, adjust the distance between the bottom of the auxiliary presser and the needle plate to 4 mm, tighten the screw ⑨ to the flat part of the presser bar and then tighten the screw ⑩.



- 3) Make sure that the needle center is in the auxiliary presser long slit center. In case of malfunction, loosen the setscrew ⑥ and turn the presser bar to adjust it as shown in 2-6).



- 4) Adjust the regulator air pressure to 0.2 MPa. Adjust the speed controller, press the panel button "Presser", and then adjust the intermediate presser and the auxiliary disk presser so that they operate at the same time.

- 5) The auxiliary presser installation is complete after putting back the intermediate presser motor cover, face plate, and bobbin winder can.

