

ENGLISH

**MF-7900D-H25
INSTRUCTION MANUAL**

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1. SPECIFICATIONS

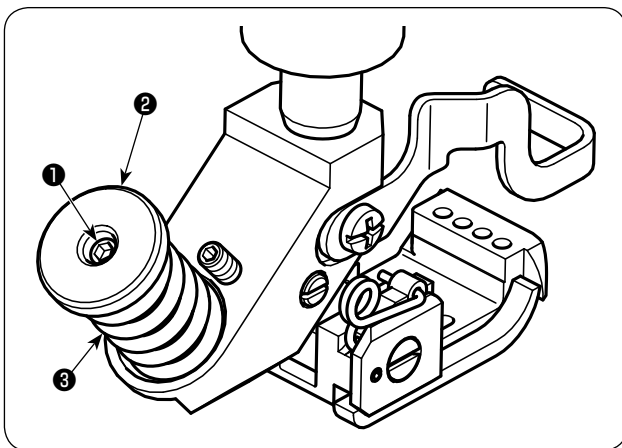
Model	MF-7900D-H25	
Class name	Covering stitch machine with left hand fabric undertrimmer (with a sliding presser foot for extra light-weight materials)	
Application	Hemming of knit and jersey products	
Sewing speed	Max. 5,000 sti/min (at the time of intermittent operation) Speed of stitch at the delivery. 4,500 sti/min (at the time of intermittent operation)	
Needle gauge	3-needle	5.6 mm, 6.4 mm
	2-needle	3.2 mm, 4.0 mm
Differential feed ratio	1 : 0.9 to 1 : 1.6 (stitch length : less than 2.5 mm) (1 : 0.6 to 1 : 0.9, when the differential link hinge screw is changed) Micro-differential feed adjustment mechanism is provided. (Micro-adjustment)	
Stitch length	0.9 to 3.6 mm	
Noise	- Equivalent continuous emission sound pressure level (L_{pA}) at the workstation : A-weighted value of 79.5 dB; (Includes $K_{pA} = 2.5$ dB); according to ISO 10821-C.6.2 -ISO 11204 GR2 at 4,000 sti/min.	

2. ADJUSTING THE PRESSURE OF THE SLIDING PRESSER FOOT



WARNING :

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.



This presser foot effectively prevents slippage between upper and lower materials during sewing.

1. Loosen setscrew ①.
2. The pressure of spring ③ can be adjusted by turning adjustment collar ②.
 - In the case the lower material is fed excessively, turn adjustment collar ② clockwise to increase the pressure of spring ③.
 - In the case the upper material is fed excessively, turn adjustment collar ② counterclockwise to decrease the pressure of spring ③.
3. After the adjustment, tighten setscrew ① to fix adjustment collar ②.



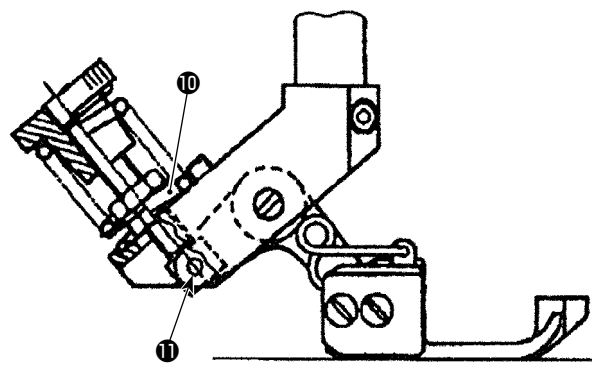
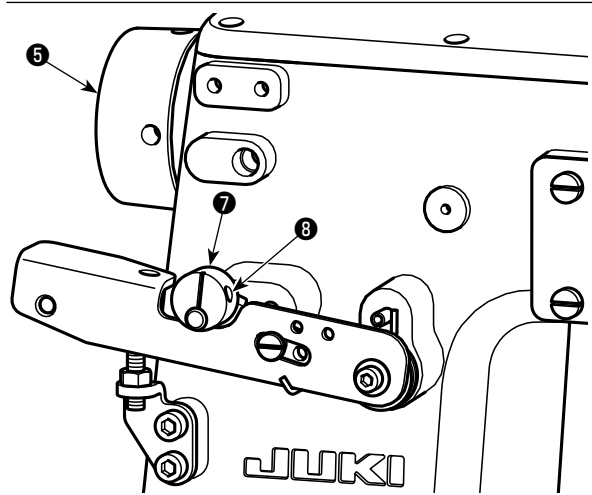
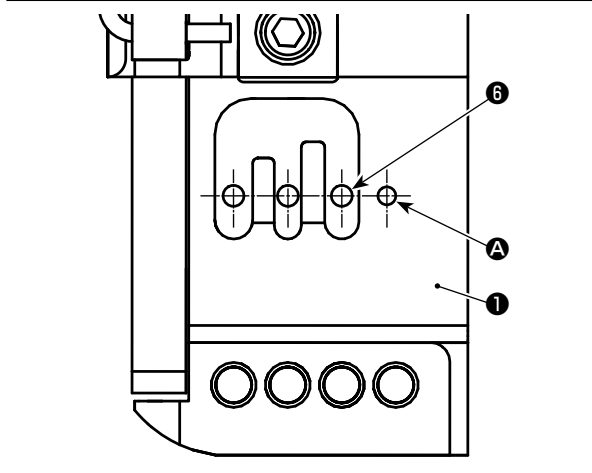
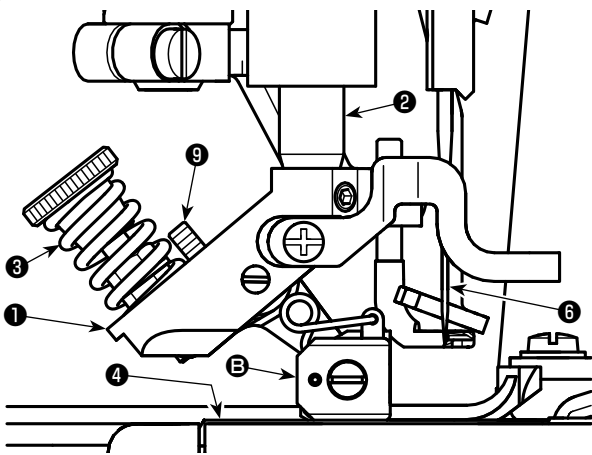
If the pressure of spring ③ is excessively increased, the sliding presser foot will lose its slippage-preventive effect.

3. ADJUSTING THE SLIDING PRESSER FOOT




WARNING :

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.



To allow sliding presser foot ① to function properly, the pressure of presser bar ② and that of spring ③ of sliding presser foot ① have to be well balanced.

1. Adjust the height of spring ③ of sliding presser foot ① to approximately 20 mm. Refer to "2. ADJUSTING THE PRESSURE OF THE SLIDING PRESSER FOOT" p.1 for the adjustment procedure.
2. Check to make sure that the sole of sliding presser foot ① comes in close contact with the surface of throat plate ④.
If not, adjust the pressure of presser bar ② until the sole of the sliding presser foot comes in close contact with the throat plate.
3. Turn pulley ⑤ clockwise to lift needle ⑥ to its upper end.
4. Place two plies of material under sliding presser foot ①.
5. Lower needle ⑥ until its tip is brought as close as possible to the material.
6. Turn micro-lifter collar ⑦ so that the center of marker dot ① inscribed on the right side of sliding presser foot ① is aligned with the center of needle ⑥.
In this state, fix micro-lifter collar ⑦ with set-screw ⑧.
7. Check to be sure that only bottom section ③ of sliding presser foot ① moves up and down in synchronism with the movement of the feed.
If not, or in the case sliding presser foot ① moves up and down in whole in synchronism with the feed movement, carry out the adjustment again.
8. Bring needle ⑥ to its upper end.
9. Turn adjustment screw ⑨ so that bottom section ③ of sliding presser foot ① moves in the material feeding direction by 1 mm when sliding presser foot ① is lifted.
 - Bottom section ③ moves in the direction opposite to the material feeding direction by turning adjustment screw ⑨ clockwise.
 - Bottom section ③ moves in the material feeding direction by turning adjustment screw ⑨ counterclockwise.

 The standard distance from the under-surface of washer ⑩ to hinge pin ⑪ is 9.7 mm.