

JUKI

Pneumatic Auto Lifter

DNU-241H-6/AK-70 A,B

DSC-245-6/AK-70 A,B

INSTRUCTION MANUAL

Congratulations on your purchase of the JUKI AK-70.

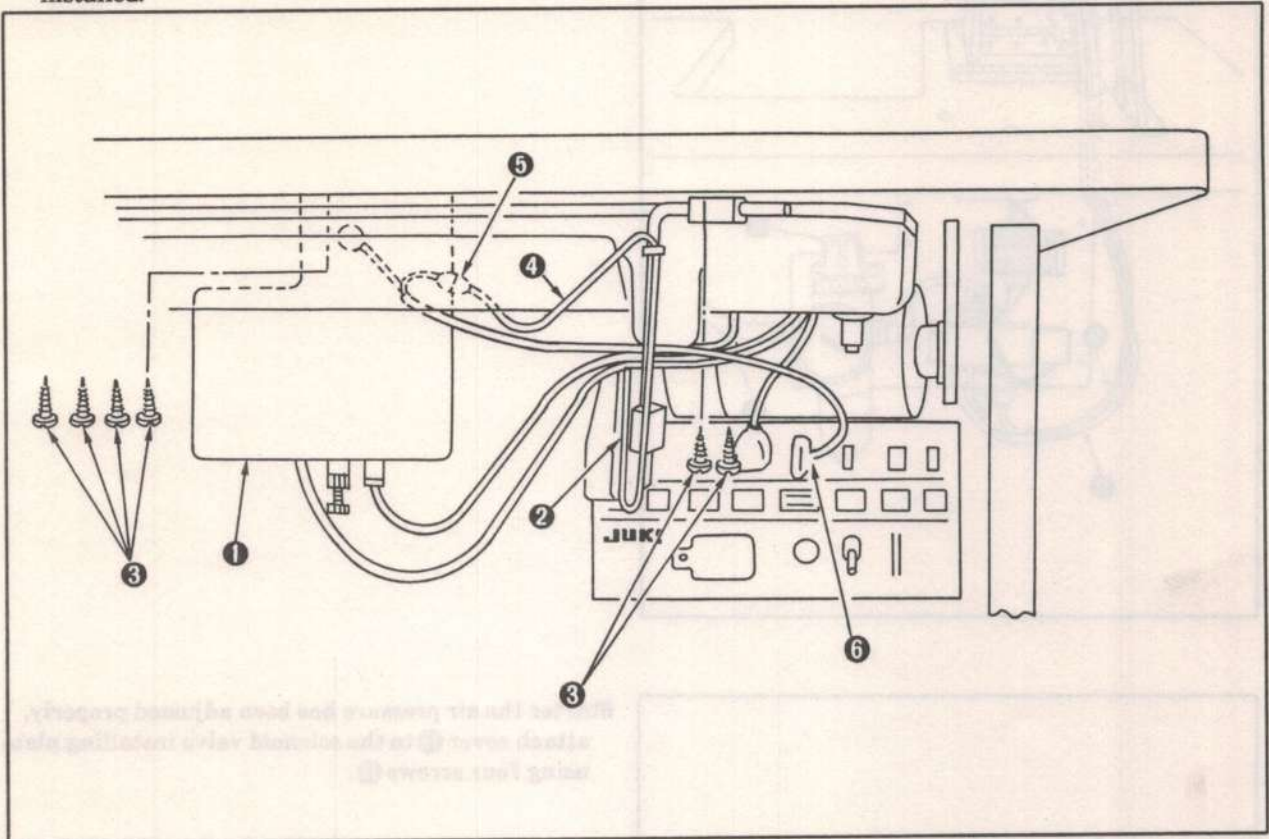
The AK-70 is an air-driven automatic presser lifter. The A type is operated using the knee switch. The B type is operated by using the pedal of two-reverse-step type.

To get the most out of the many functions of the AK-70, it is necessary to use the device correctly, so please read this Instruction Manual carefully before using it. We hope you will enjoy using it for a long time. Please take care not to lose this Instruction Manual.

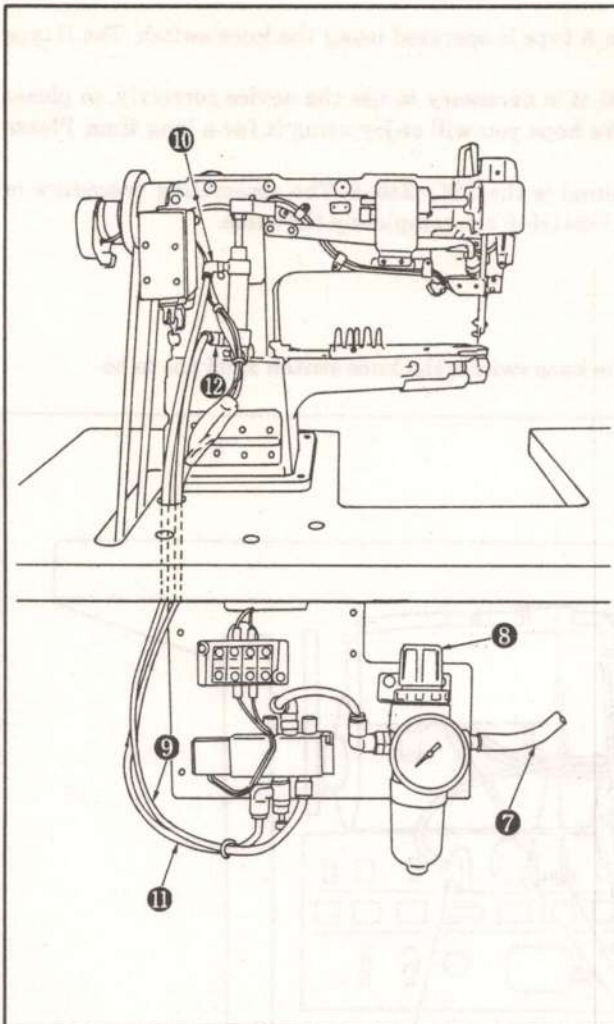
The sewing machine head drawn in this Instruction Manual is the DSC-245-6. The assembling procedure or other procedures of the DSC-245-6 and those of the DNU-241H-6 are completely the same.

1. Assembling procedure

※ For the device (AK-70B) which is not provided with the knee switch, the knee switch need not to be installed.



- 1) After the sewing machine has been set up, install solenoid valve installing plate ① and knee switch (asm.) ② on the reverse side of the table using wooden screws ③ supplied with the device.
- 2) Connect cable ④ coming from knee switch (asm.) ② to speed controller connector ⑤. Then, connect 4-pin connector ⑥ to the connector for the auto-lifter of the PSC box.

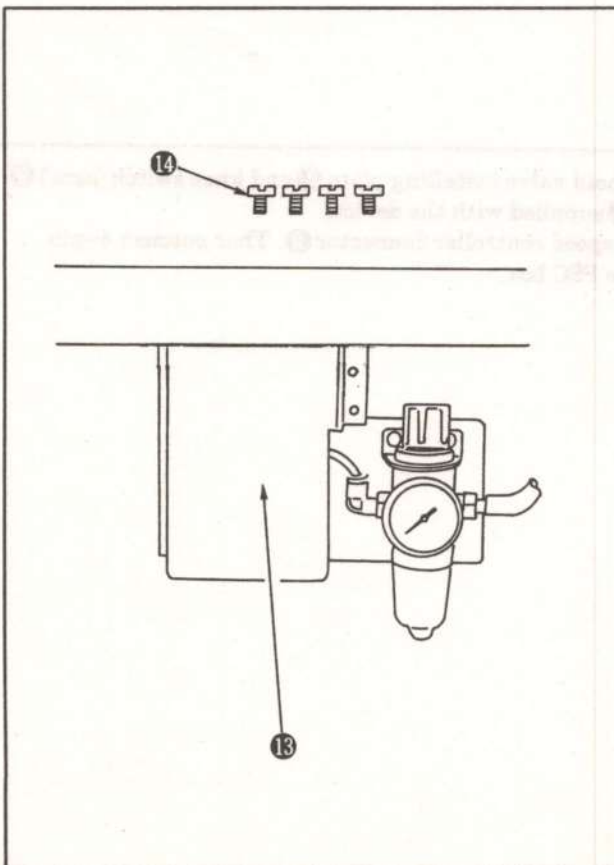


3) Connect air hose ⑦ to regulator ⑧.

4) Connect air hose ⑨ to quick-coupling joint ⑩ mounted on the upper of the air cylinder, and connect air hose ⑪ to quick-coupling joint ⑫ mounted on the lower part of the air cylinder.

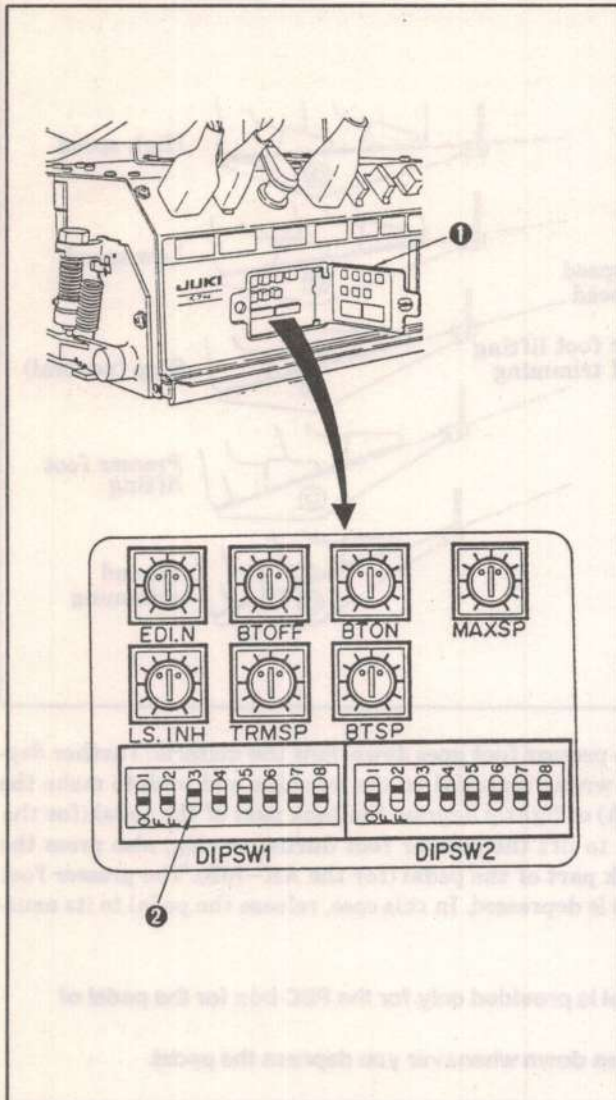
(caution) Take care not to allow air from leaking when connecting the air hoses. Also take care not to bend the air hoses.

5) After the air piping, adjust the air pressure to 4 to 5 kg f/cm² using the regulator ⑧.



6) After the air pressure has been adjusted properly, attach cover ⑬ to the solenoid valve installing plate using four screws ⑭.

2. Changing over the setting of the switch in the PSC box



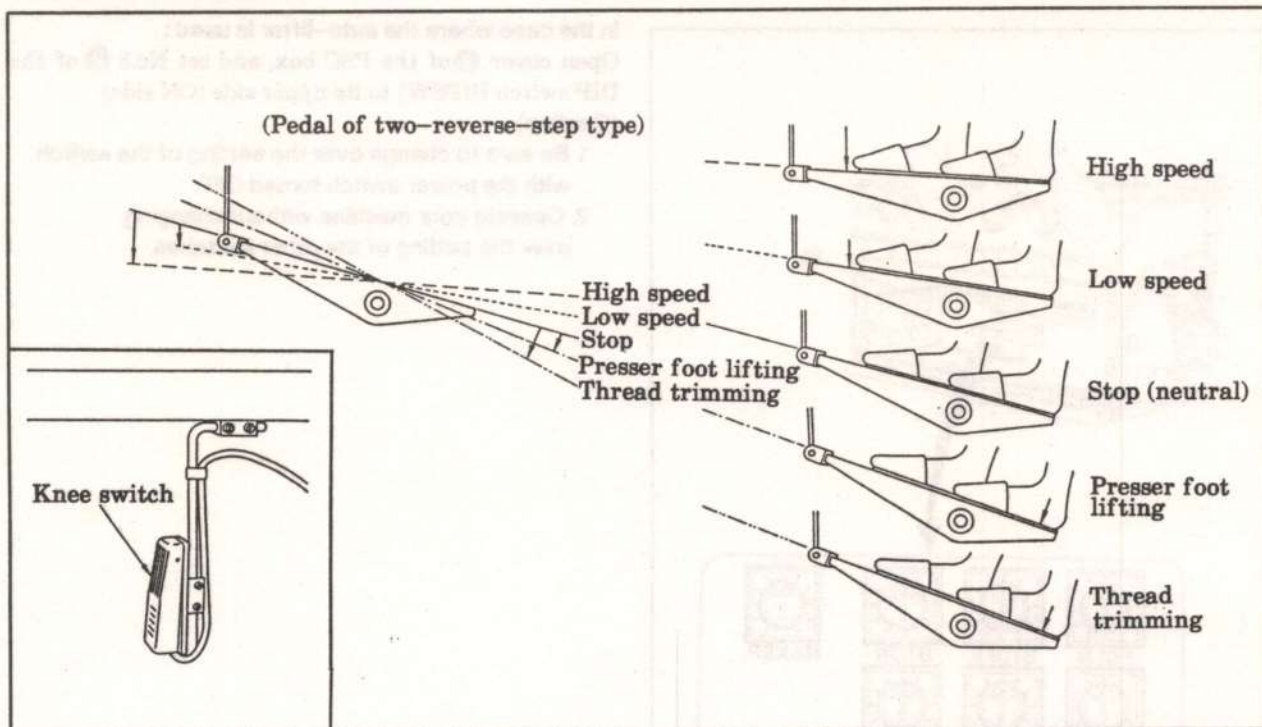
In the case where the auto-lifter is used :

Open cover ① of the PSC box, and set No.3 ② of the DIP switch DIPSW1 to its upper side (ON side).

(Caution)

- 1 Be sure to change over the setting of the switch with the power switch turned OFF.
- 2 Operate your machine without changing over the setting of the other switches.

3. Operation procedure

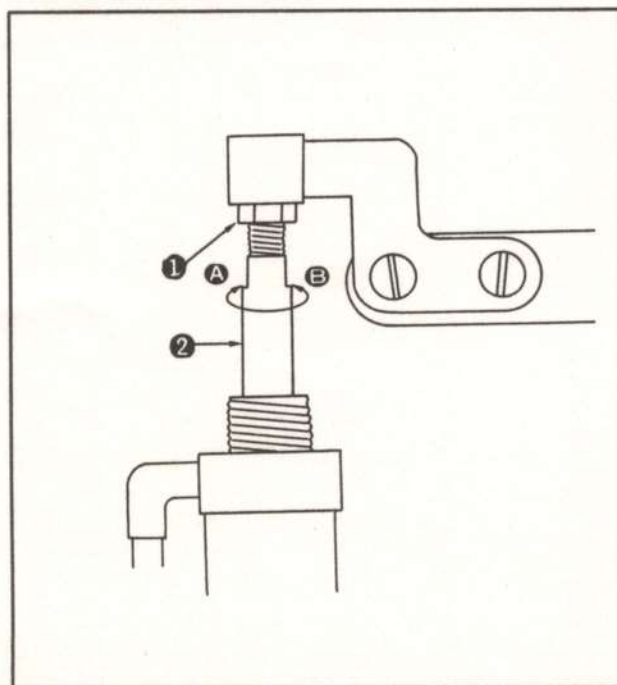


When you lightly depress the front part of the pedal, the presser foot goes down. Sew the material further depressing the front part of the pedal. If you have placed a wrong material on the machine and wish to make the presser foot go up, press the knee switch (for the AK-70A) or lightly depress the back part of the pedal (for the AK-70B). Then the presser foot will go up. If you wish to lift the presser foot during sewing, also press the knee switch (for the AK-70A) or lightly depress the back part of the pedal (for the AK-70B). The presser foot will not go up, however, when the front part of the pedal is depressed. In this case, release the pedal to its neutral position and then press the knee switch.

(Caution)

1. The function for lifting the presser foot using the pedal is provided only for the PSC box for the pedal of two-reverse-step type.
2. Regardless of the knee switch, the presser foot comes down whenever you depress the pedal.

4. Adjustment procedure



Loosen adjustment nut ①, and turn cylinder rod ② to adjust so that the feeding frame goes up as high as 15 mm for the DNU-241H-6 or 13 mm for the DSC-245-6 when the cylinder is fully compressed. Turn the cylinder rod in direction A to decrease the lifting amount of the intermediate presser, or in direction B to increase it.

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Please do not hesitate to contact our distributors or agents in your area for further informations when necessary.

※ Appear and specification listed in this instruction manual are subjected to change without notice.

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