

ENGLISH

**AK-162 Auto-lifter
INSTRUCTION MANUAL / PARTS LIST**

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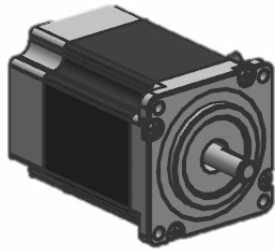
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1. Device configuration

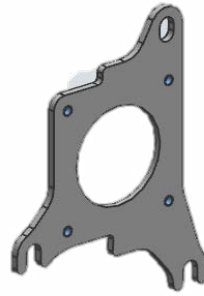
40301216 Auto-lifter (AK)



Hexagon socket
head screw



Presser lifter motor



Motor mounting plate



Presser motor as-
sembly setscrew



Setscrew



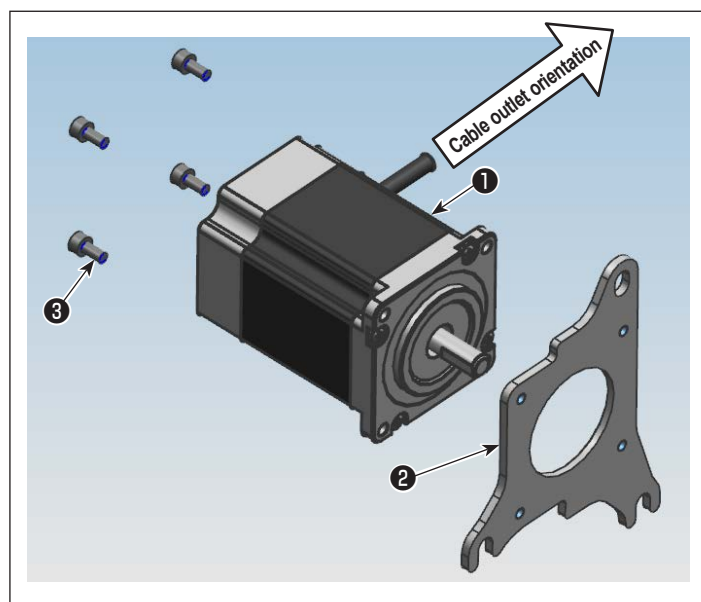
Cable clip band



Cam

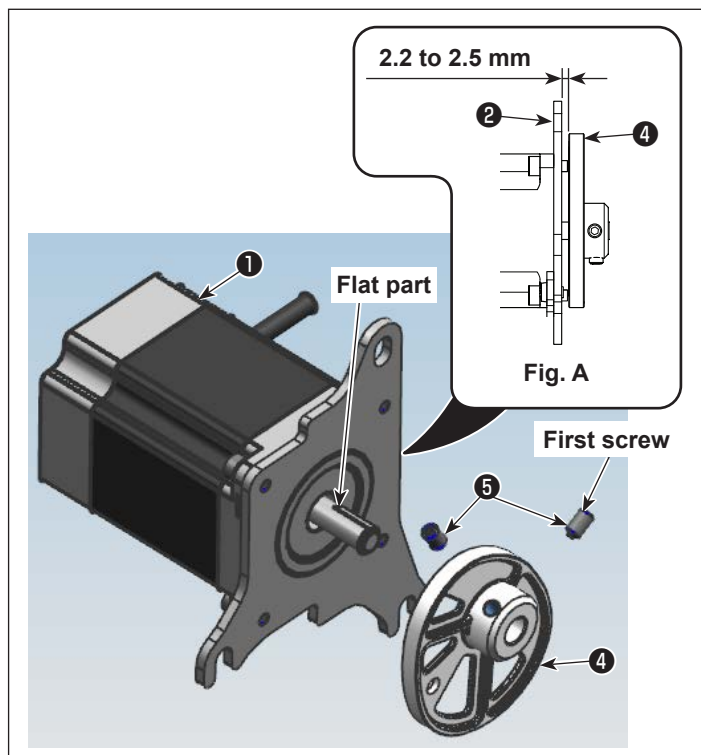
2. Installation procedure

(1) AK motor subassembly



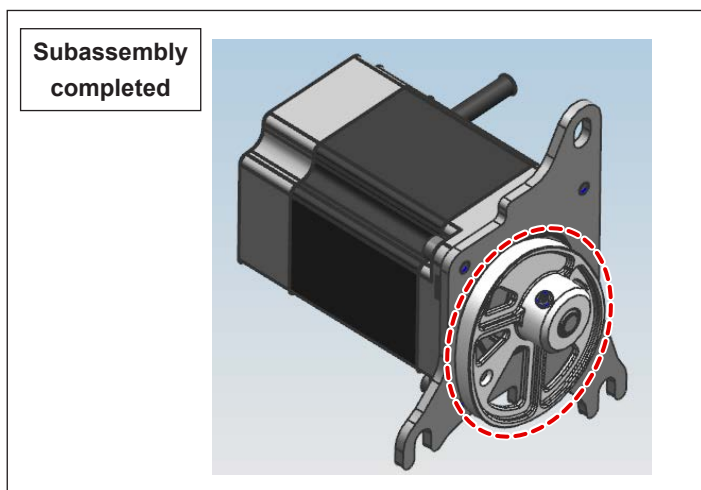
- 1) Install the presser lifter motor ① onto the motor mounting plate ② using four hexagon socket head screws ③ .

* Make sure that the cable outlet orientation is correct.



- 2) Install the cam ④ onto the presser lifter motor ① using two setscrews ⑤ . At this time, provide a clearance of 2.2 to 2.5 mm between the motor mounting plate ② and the cam ④ . (See Fig. A.)

* Align the first setscrew with the flat portion of the motor shaft.



- 3) Apply Grease A to the sliding face of the cam ④ .

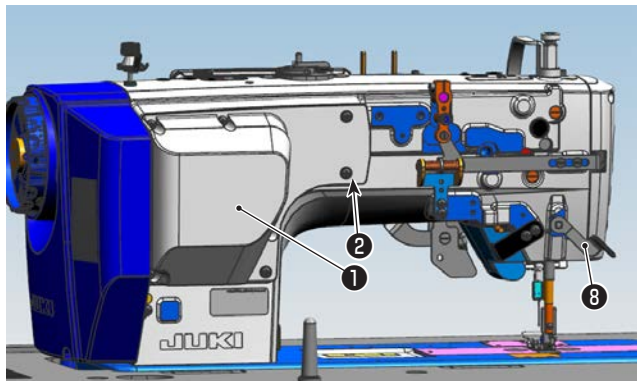
(2) Installing the AK motor

* If the AK device was purchased in the factory-shipped state, it has already been adjusted.

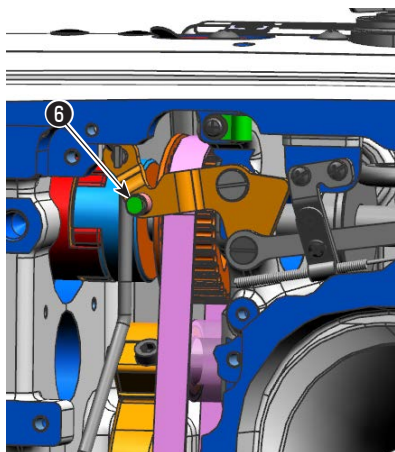


WARNING :

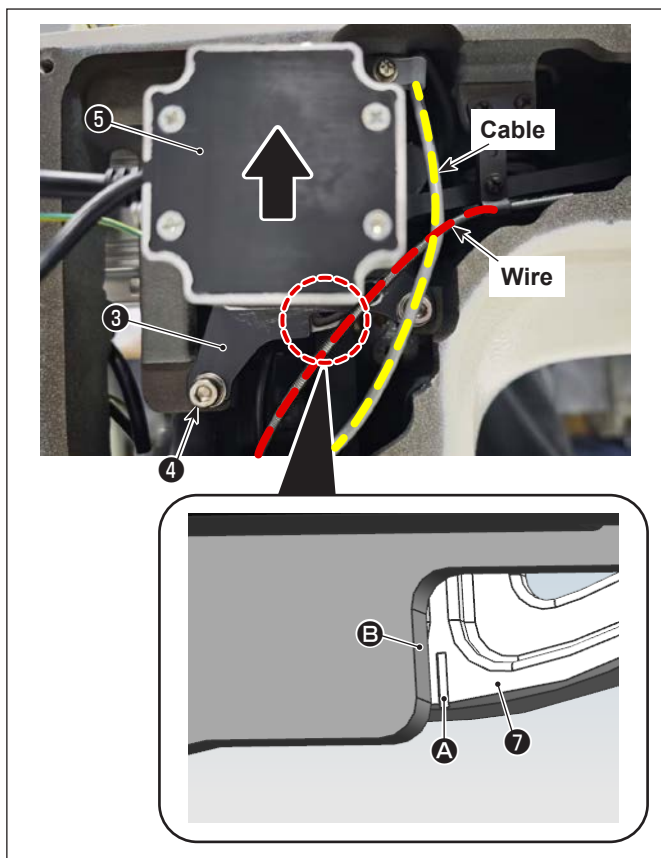
Turn OFF the power before starting the work so as to prevent accidents caused by abrupt start of the sewing machine.



- 1) Loosen the setscrews **2** of the side plate **1** , and remove the side plate **1** . Apply JUKI Grease A to the surface of the cam roller **6** .



- 2) Lower the presser foot lifting lever **8** until the presser foot comes into contact with the throat plate.



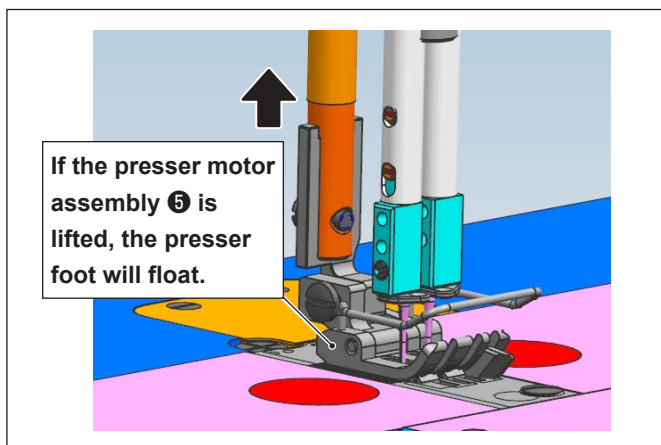
- 3) There is a marker line on the surface of the cam 7 .
Align marker line A on the cam with end face B of the motor fixing plate 3 so that they are on the same line.

- 4) Temporarily secure the presser motor assembly 5 with three presser motor assembly setscrews 4 .
At this time, gently push the presser motor assembly 5 upward, and secure the three presser motor assembly setscrews 4 on the presser motor assembly until it can no longer be lifted.(At this time, make sure that the presser foot does not float.)

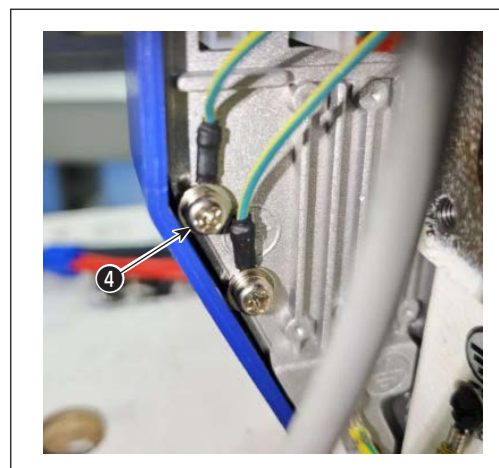
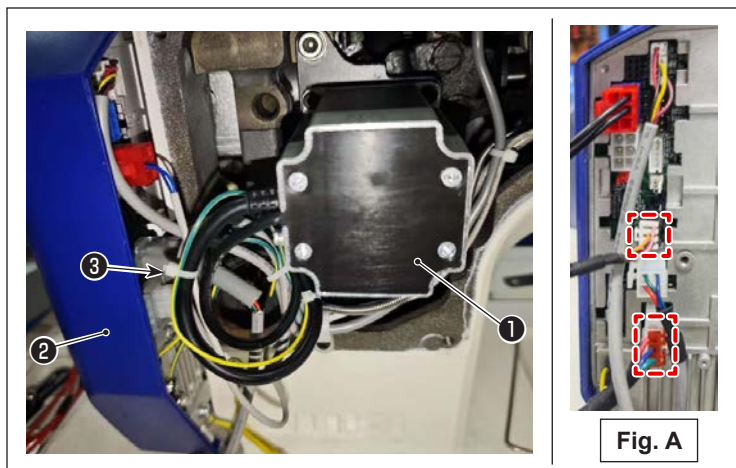
When installing the presser motor assembly 5 , route the cable and wire inside the sewing machine to the lower right side of the motor and to the outside of the mounting plate 3 .



If they are routed to the inside of the motor mounting plate 3 , they will interfere with the cam 7 .



(3) Connection



- 1) Connect the connector of the presser lifter motor ① to the electrical control box ②. (See Fig. A.)
Then, bundle all wires using the cable clip band ③.
- 2) Secure the earthing wire to the electrical control box using screw ④.

(4) Selecting the presence/absence of the AK device



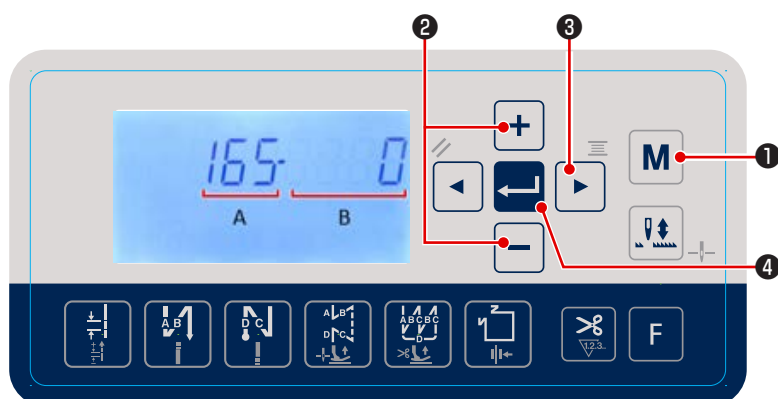
WARNING :

To prevent accidents caused by abrupt starts of the sewing machine, do not press the start switch or any of the operation panel switches by mistake while making adjustments.



- 1) Turn power ⑤ ON while holding down **M** ①. The function setting screen is displayed.
- 2) Press **+** **-** ② to set function setting No. **A** to "165", then press **▶** ③ to make the set value **B** flash.
- 3) Press **+** **-** ② to set the set value **B** to "0", then press **↩** ④.

* After adjusting P165, turn the power off and then on again.

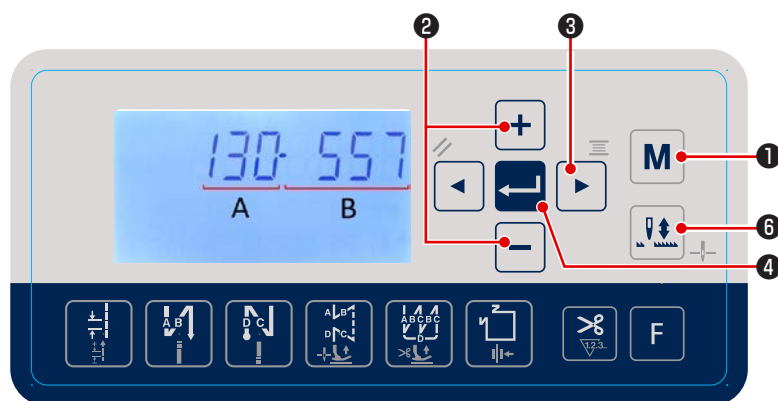


(5) Motor origin setting



WARNING :

To prevent accidents caused by abrupt starts of the sewing machine, do not press the start switch or any of the operation panel switches by mistake while making adjustments.

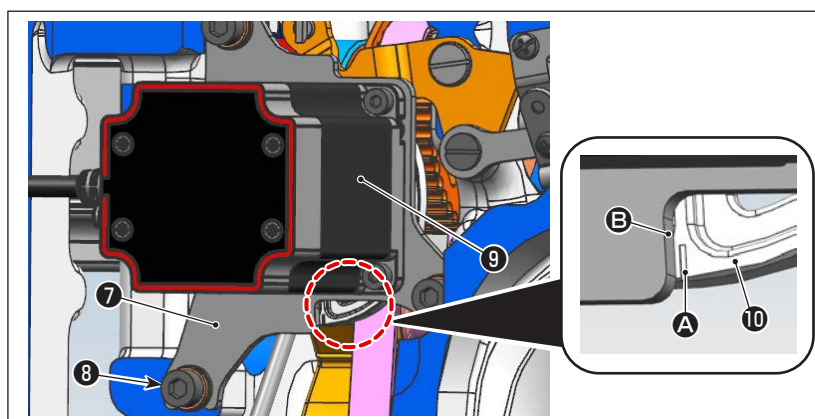


- 1) Turn power **5** ON while holding down **M** **1**. The function setting screen is displayed.
- 2) Press **M** **1**. The screen switches to sewing mode.
- 3) Depress the back part of the pedal. The origin is retrieved, and the presser foot remains in the lifted state. To lower the presser foot, depress the back part of the pedal again.
- 4) Press **M** **1**. The function setting screen is displayed.
- 5) With the function setting No. flashing, press **+** **-** **2** to set the function setting No. **A** to "130".
- 6) Press **▶** **3** to make the set value **B** flash.

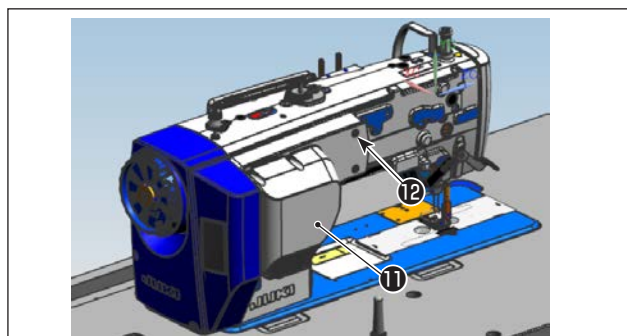
Press  **6** to make the presser lifter pictogram on the panel flash. While pictogram  is flashing, the presser motor cam can be turned by hand.

Align marker line **A** on the cam **13** with corner **B** of the plate **7**, then press  **4**.

- * If you press **M** **1** without pressing  **4**, you can exit from the function setting screen without saving the changes you have made.

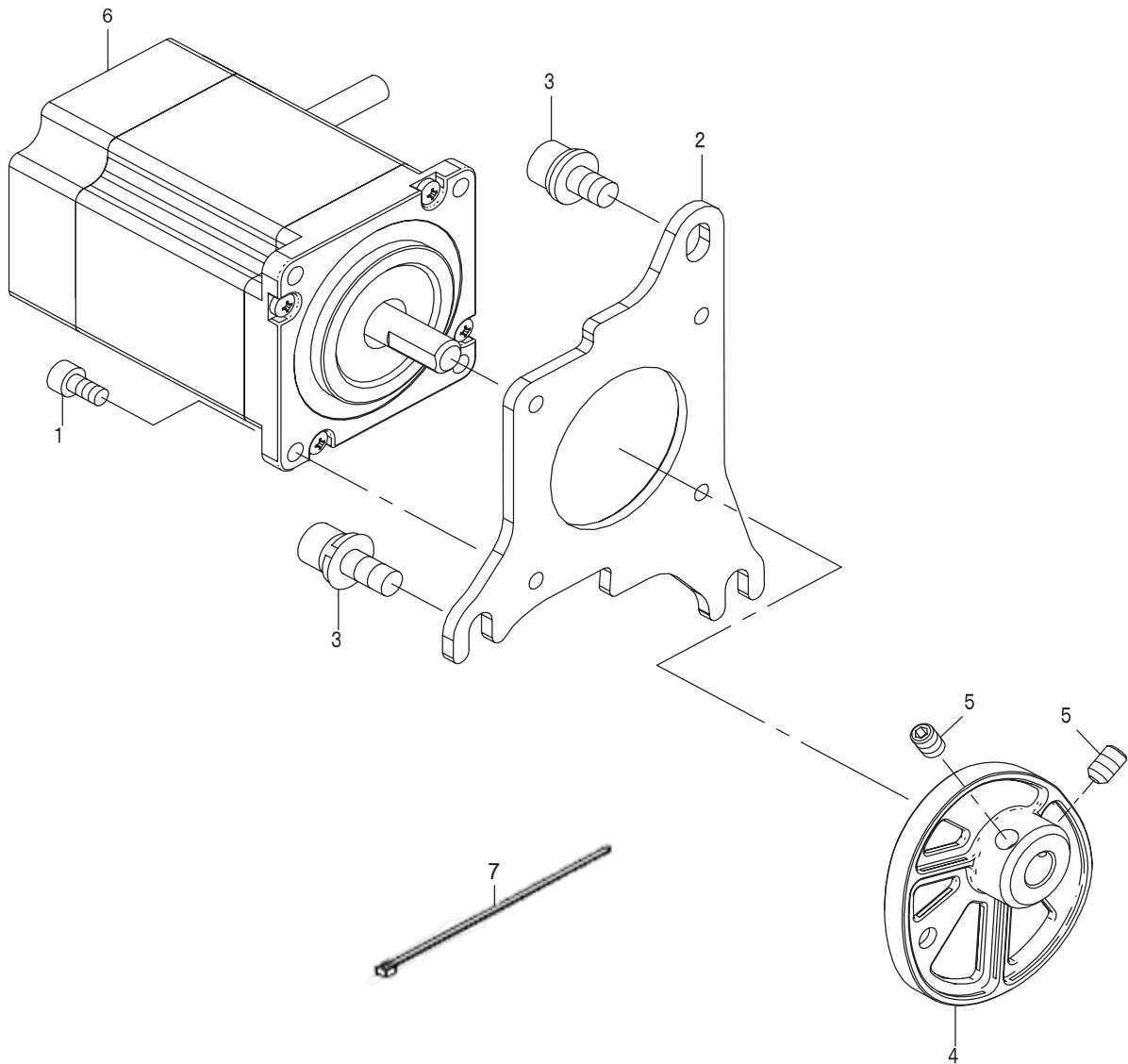


If you have made a mistake in the operation, return to 2) and carry out re-adjustment.



- 7) Install side plate **11** and tighten the six set-screws **12**.

3. Parts list



REF.NO	NOTE	PART NO	DESCRIPTION	品 名	Qty
1		SM-6040802-TP	SCREW M4X0.7 L=8	六角穴ボルト M4X0.7 L=8	4
2		402-98933	MOTOR_BASE	モーターベース	1
3		SL-6061692-TN	SCREW M6 L=16	座金付き六角穴ボルト M6 L=16	3
4		402-99106	CAM	カム	1
5		SM-8050852-TP	SCREW M5X8	ねじ M5X8	2
6		402-94644	PRESSER MOTOR	押えモータ	1
7		EA9500B0100	CABLE BAND	ソクセンバンド	1