

ENGLISH

**DDL-7000A-7
Long pitch kit
INSTRUCTION MANUAL**

1. General

The long pitch kit is an optional part kit that changes the maximum stitch length to 7 mm (standard: 5 mm).
Target model: DDL-7000AH-7 (for heavy-weight materials)

2. List of long pitch kit parts

Part number of the long pitch kit: 40234068 (with four teeth)

Description	Parts No.
Stitch dial	22971402
Throat plate	23645807

* It is not necessary to change the feed dog.

Note) The long pitch kit with the aforementioned part number has four teeth.

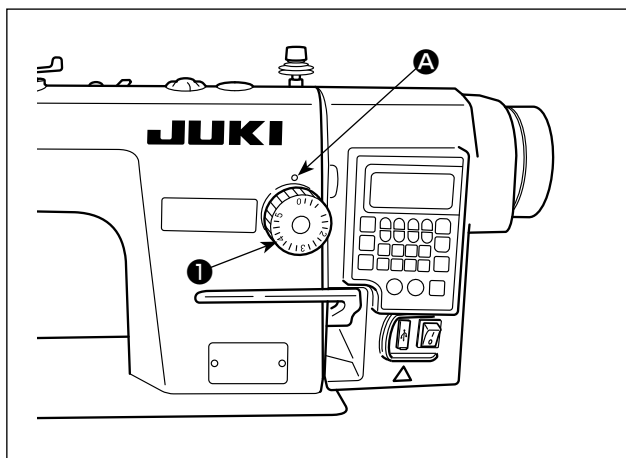
If you want to use a three-teeth feed dog, prepare the below-stated part.

Description	Parts No.
Stitch dial	22971402
Throat plate	11062007
Feed dog	11062601

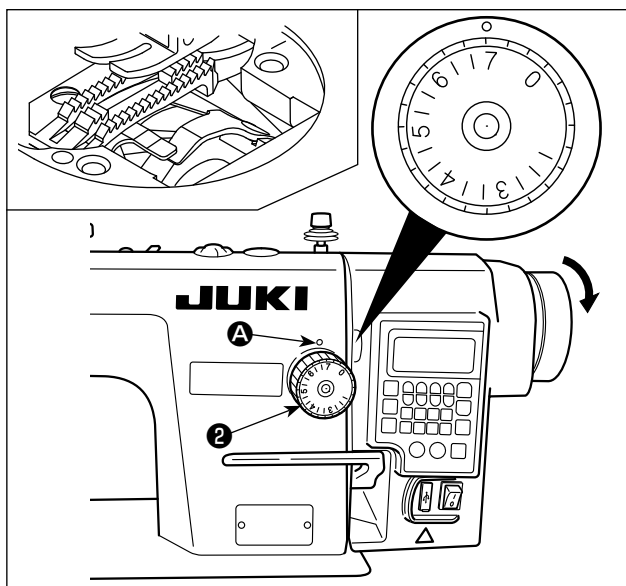
3. Required tools

- * Various kinds of flat-blade screwdrivers
- * Spacer with plate thickness of 1 mm
- * Open-end wrench, 10 mm

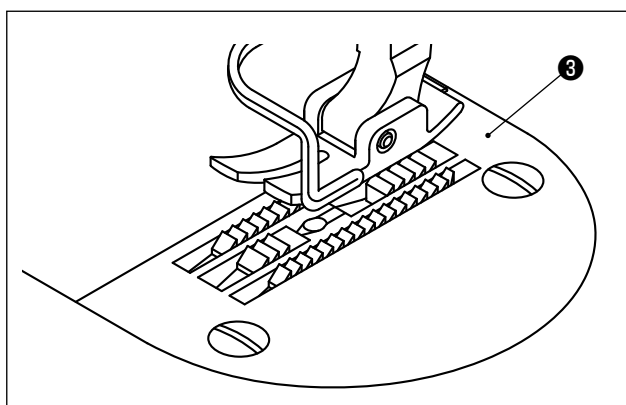
4. Installation procedure



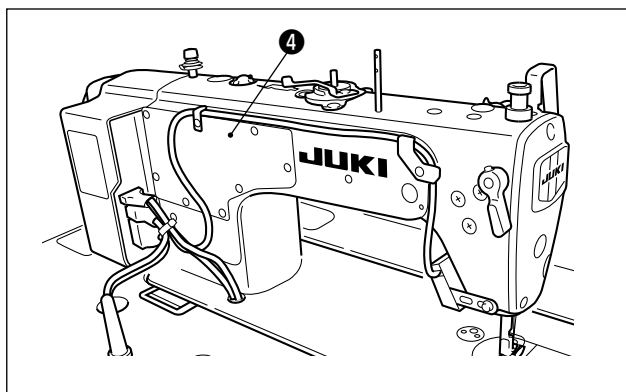
- 1) Replace the stitch dial with the one for long pitch. Turn the current stitch **1** dial clockwise to align its scale mark "0" to the marker dot **A** on the machine arm. Then, remove the setscrew. Attach the stitch dial (22971402) **2** for long pitch in such a way that its scale mark "0" is aligned with the marker dot on the machine arm.



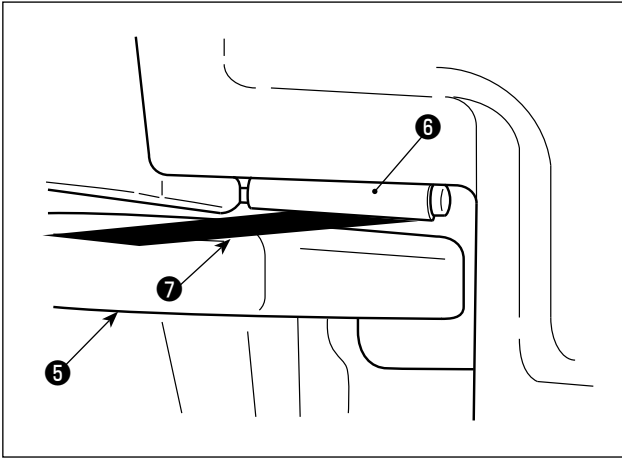
- 2) Remove the current throat plate. Then, align the scale mark "7" of the stitch dial **2** with the marker dot **A** on the machine arm. Turn the handwheel by hand in the direction of the arrow to check to make sure that the feed dog interferes neither with the bed nor with the knife.



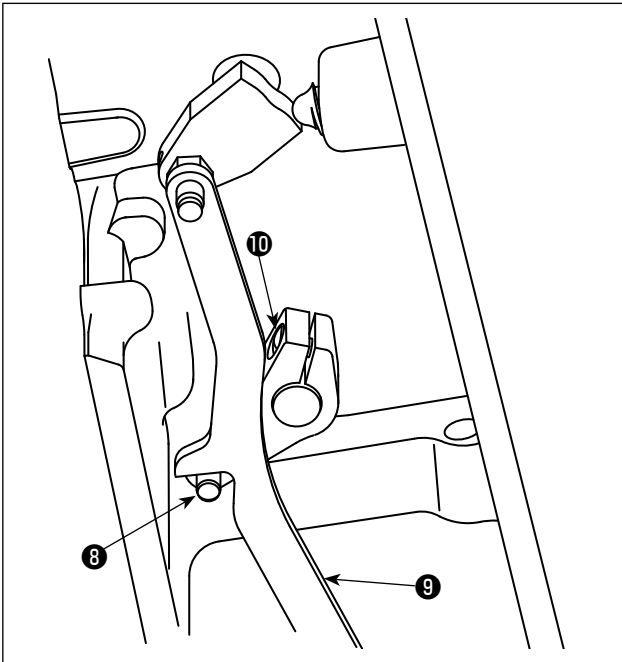
- 3) Attach the throat plate **3** (23645807) for long pitch. Check to make sure that there is an appropriate clearance between the slots in throat plate and the feed dog and that they are not rubbed against each other.



- 4) Remove the side plate **4**.

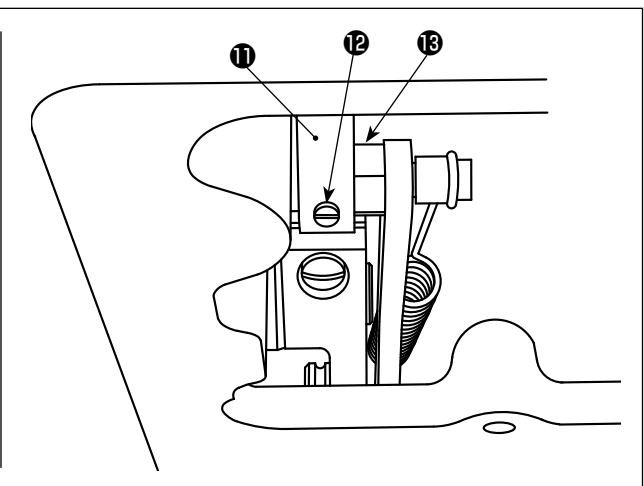
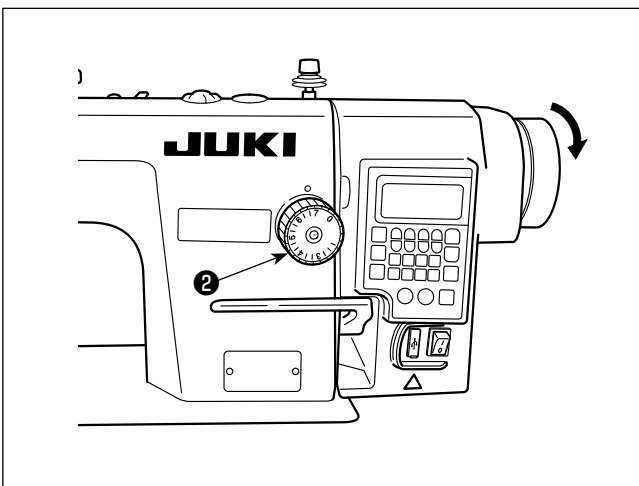


5) Align the scale mark "7" of the stitch dial ② with the marker dot on the machine arm. Place a spacer ⑦ with plate thickness of 1 mm between the reverse feed lever ⑤ and the reverse feed lever stopper ⑥ .

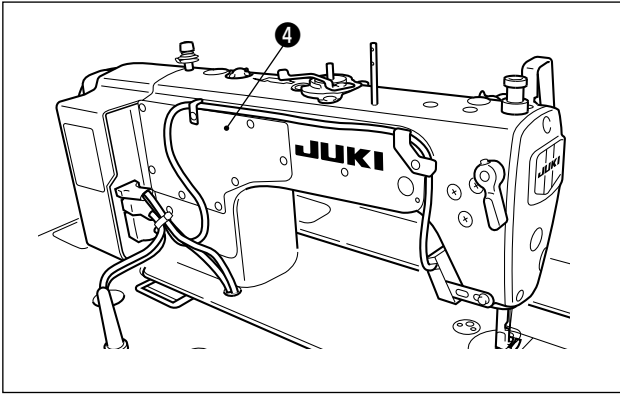


6) Loosen the setscrews ⑩ of the feed lever arm (asm.).
 7) While pushing up the reverse feed lever ⑤ to prevent the 1-millimeter spacer ⑦ from slipping out, tighten the setscrew ⑩ of the feed lever at the position where the feed lever arm pin ⑧ lightly comes in contact with the feed regulating rod ⑨ .
 8) Align the scale mark "7" of the stitch dial ② with the marker dot on the machine arm. At this time, check to make sure that thread is a slight backlash (play) in the reverse feed lever ⑤ in its moving direction.

(Caution) If there is no aforementioned backlash, abnormal noise or breakage of the related parts may occur while the sewing machine is in operation.



9) Turn the handwheel by hand in the direction of the arrow to check the actual stitch length. In the case the actual stitch length differs from the stitch length set with the stitch dial ② , loosen the setscrew ⑫ of the feed regulating base ⑪ and adjust the feed regulating pin ⑬ with an open-end wrench.



10) Attach the side plate ④ .

- (Caution)** 1. In the case of using the stitch pitch that is larger than the one with the scale mark "5" of the stitch dial ②, the maximum sewing speed should be set to 3500 sti/min or less.
2. Be aware that, in the case of performing automatic reverse feed stitching with the stitch pitch that is larger than the one with the mark "5" of the stitch dial ②, the stitches sewn with the normal feed stitching and those sewn with the reverse feed stitching will not be the same.