

In order to conduct adjustment and exchange safely and surely,  
please be sure to abide by what is mentioned in this manual to prevent trouble.



When you conduct adjustment and exchange using this manual, please be sure to use together with instruction with it in hand.

- # Please conduct in accordance with work process in this manual.
- # In case there are no specific instructions or explanations in work process.  
please be sure to unplug cord from receptacle.
- # When you exchange parts, please be sure to use genuine parts designated by us.
- # Please never remodel the embroidery machine.

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# Exchange and adjustment of rotary hook timing

3-5-1

1. Remove needle plate. (Fixing screw 2 pcs)



2. In case of you would like to replace rotary hook to new one, please remove retainer on bobbin case holder and loose three screws on rotary hook.

Referring to [3-5-2 Adjustment of retainer on rotary hook] adjust retainer on bobbin case holder



In case of you do not replace rotary hook, do not need remove retainer. Just loose three screws on rotary hook.



3. Bring needle down.



4. Turn upper shaft and set dial disc to [25 degrees].

<Caution> <Note> Please turn shaft and down needle carefulness to needle hit to inner rotary hook.

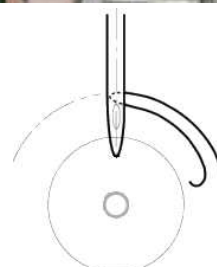
Dip point of Inner hook for retainer should upper position Like "Picture 5".

"Needle should pass a hole behind of dip of inner hook."



5. Adjust rotary hook timing.

This procedure is preconditioned to use needle type [DB-K5] in which contains with our standard accessory.

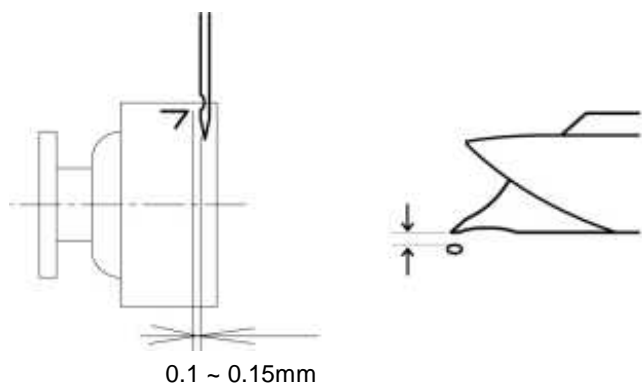


## Exchange and adjustment of rotary hook timing

3-5-1

At this moment, clearance between needle and rotary hook should be [0.1-0.15mm].

Check and adjust with 1st, 8th and 15th needle.



6. For making sure, check position of retainer on bobbin case holder.

Please refer to [3-5-2 Adjustment of retainer on rotary hook] for adjusting value and follow it.



8. Adjustment has finished.

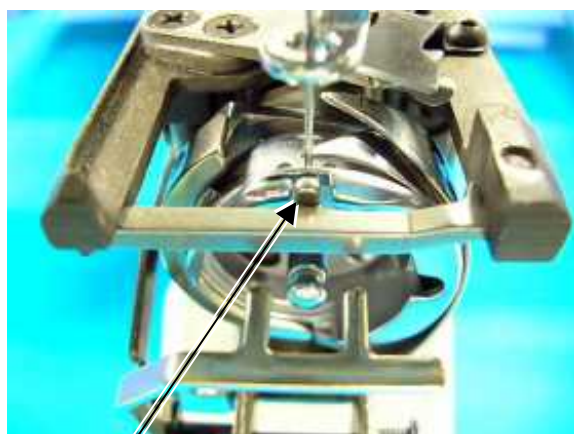
# Adjustment of retainer on rotary hook

3-5-2

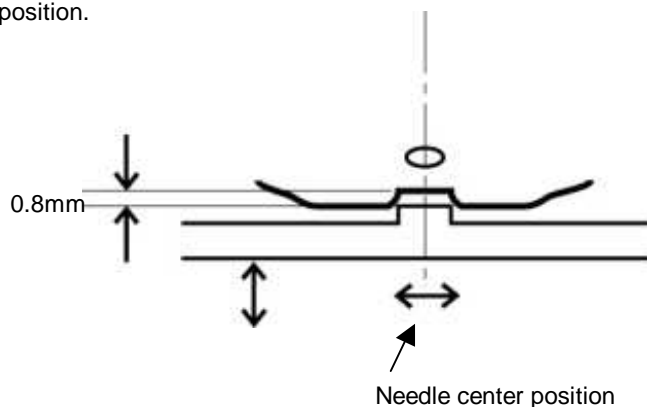
1. Loosen screw to the extent that retainer on bobbin case holder moves. ( 1 pcs)



2. Adjust position back and forth, left and right.  
Space has to be [0.8mm] and the position right and left is center of the needle.



Needle center and retainer center should come to same position.



4. Adjustment has finished.