



ONE FAMILY
WORLDWIDE

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STANDARD INDUSTRIAL SINGLE NEEDLE LOCKSTICH SEWING MACHINE HOOK TIMING GUIDE

IMPORTANT DISCLAIMER:

The manufacturer and/or distributor has provided this guide as a reference tool only. The manufacturer does not make any representation or warranty of any kind to the buyer or user that he or she is qualified to make any repairs, adjustments, modifications or replacement of any parts of the product. In fact, the manufacturer expressly states that all repairs, adjustments, modifications or replacement of any parts should be undertaken by a certified and licensed sewing machine technician and not by the buyer or user. The buyer/user assumes all risk and liability arising out of his/her repairs to the original product or any modifications thereto.

1. Ensure that the machine is unplugged from the outlet and the motor belt disengaged between the machine and the motor.
2. Remove needle plate and presser foot to have free access to the hook.
3. Ensure that you have the correct needle for your machine prior to attempting to time your machine. Model 3914 (FY8500) uses DBX1, 16X257 or 16X95 needles (Size 14 recommended) while Model 92966 (FY5318) uses needles 135X17 (Sizes 16 to 22 recommended).
4. Ensure that the needle is installed in the needle bar correctly by inserting it fully up into the needle bar. Failure to do so might yield a faulty timing.
5. When installing the needle in the needle bar, ensure that the groove of the needle located above the eye of the needle is facing toward the sewing machine arm (To the right).
6. Remove the bobbin case and bobbin from the hook.
7. Turn the hand wheel toward you until the needle is resting at its lowest position in the sewing rotation. Needle should be position at its lowest point on its way up.
8. At this point, the correct timing can be indicated if the sharpest point of the hook is passing at the same level and right in front of the center of the needle's groove slightly above the eye of the needle.
9. If your hook position is not as described above your hook needs to be adjusted.
10. Loosen the Hook's set screws. Your machine might come with 2, 3 or 4 set screws. (Do not completely remove the screws, simply loosen them)
11. Without turning the hand wheel and with the hook free to be adjusted, simply turn the hook until it rests at the same location as described on line item 8.
12. Once the hook is adjusted to its correct position, retighten the set screws. (Do not over tighten the set screws)
13. Reinsert the bobbin, bobbin case and presser foot.
14. Reestablish the connection between the motor and machine with the motor belt.
15. Thread and test the machine.

SAFETY PRECAUTIONS:

- Keep hands away from moving parts and sharp objects.
- Do not place your hand or fingers into the thread take-up lever while the machine is operating.
- Always turn off and unplug machine before attempting any work on the machine.
- Do not place your hand or fingers directly in the path of the moving motor belt.