

Resetting your Rotary Hook Sleeve and Hook Timing

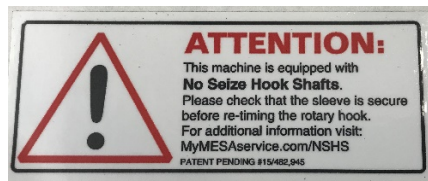
- Another innovation brought to you by MESA Supplies, Inc.

Note to Operator: Please follow these instructions carefully as missing a step could result in more issues with your machine. For immediate assistance and/or help performing these tasks, please contact MESA Support at 800-330-3867 Option 2.

The purpose of the No Seize Hook Shaft is to prevent your hook shaft from locking up due to a slipped hook, etc. Having the rotary hook sleeve allows the hook to break free from the hook shaft and prevent further problems with your machine. The following steps will walk you through how to properly reset the sleeve and therefore help you to set your hook timing as well.

How to determine if your machine is equipped with a No Seize Hook Shaft:

1. Look for the No Seize Hook Shaft Sticker on your machine



2. If your hook timing has slipped, see if you can turn your rotary hook by hand without rotating the degree wheel on your machine. It should spin freely if you have No Seize Hook Shafts
3. Still not sure if you have a No Seize Hook Shaft? Give us a call at 800-330-3867 Option 2.

A No Seize Hook Shaft has a sleeve on the end of the hook shaft, where your Rotary Hook is secured to. That sleeve is held on by Gorilla Epoxy and is designed to break away should the hook timing slip. When this happens, the sleeve needs to be installed on the hook shaft with the epoxy in order for your hook timing to be set correctly.

Resetting your Rotary Hook Sleeve:

Supplies Needed:

- Flathead screwdriver
- Dykes



- Off-Set Flathead Screwdriver



- Rotary Hook Sleeve



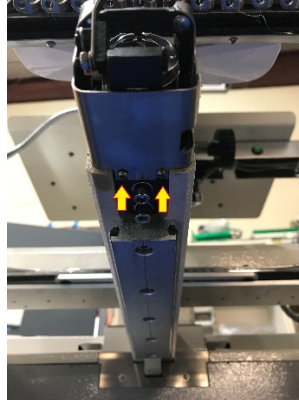
- Gorilla Epoxy



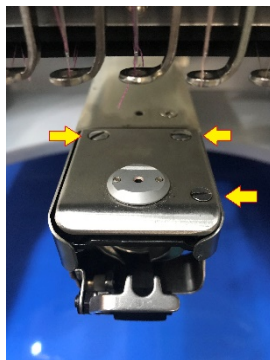
- Nail Polish Remover (Acetone)
- Paper Towels

Instructions

1. Remove the Rotary Hook Cover from your machine by loosening the two Philips head screws located underneath the bed arm (illustrated below)

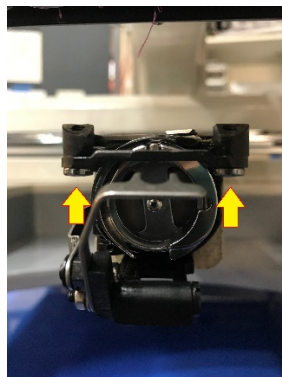


2. Remove the needle plate by using an off-set, flat-head screwdriver (illustrated Below)

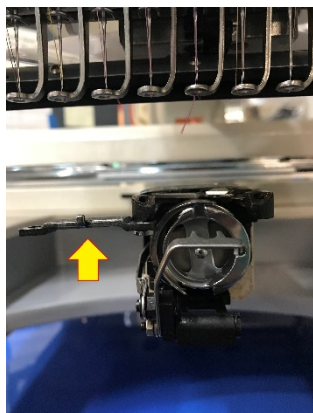


3. Remove the retaining finger by loosening one of the flat-head screws and removing the other completely to swing it off to one side (illustrated below)

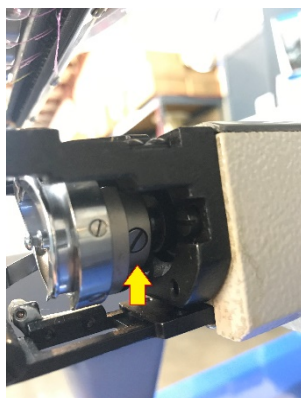
Before



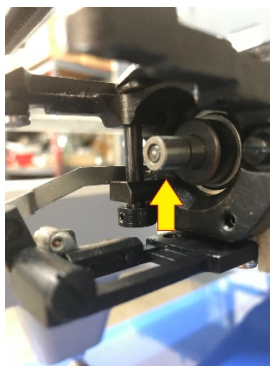
After



4. Remove the Rotary Hook from your machine by loosening the three flat-head screws on the Rotary Hook (illustrated below)
 - a. Tip: Rotate the main shaft with either the black knob on the side of your machine (1201C, 1501C models) or by using a #5 allen wrench to rotate the screw on the left side of your machine (C5 and ECHO models)



5. Remove the Rotary Hook Sleeve from the end of the hook shaft (illustrated below)
 - a. Note: If the sleeve is not on the end of the hook shaft, check inside the Rotary Hook to see if it is stuck inside. If it is, take it out.



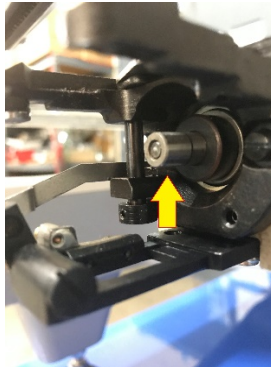
- b. If the sleeve is stuck to the shaft and you are unable to take it off with your hand, use a pair of dykes and squeeze them on the seam where the sleeve meets the shaft in order to remove it without damaging your machine.



6. Using nail polish remover, clean the end of the hook shaft as well as the inside and outside of the rotary hook sleeve
 - a. It is crucial that both parts are cleaned perfectly as not cleaning properly can lead to the new epoxy not setting right.

Please note: Steps 7 and 8 must be done within 5 seconds of one another. Not moving fast enough through these steps can lead to the epoxy not adhering correctly to the hook shaft.

7. Apply the Gorilla Epoxy on the inside of your rotary hook sleeve
8. Place the rotary hook sleeve (with epoxy applied) on the hook shaft so that the end of the sleeve is flush with the hook shaft (illustrated below)



9. Once it is in place, clean any excess epoxy that may have seeped out of the rotary hook sleeve onto the hook shaft.
10. Let sleeve set and cure for **AT LEAST** 24 hours

Resetting the Hook Timing

Supplies Needed:

- Flat-Head Screwdriver
- Clean Rotary Hook with no scarring
- Off Set flat-head screwdriver
- #5 Allen Wrench**

Setting the hook timing on your embroidery machine is an important task that requires you to follow all steps very carefully. To set the hook timing, please watch the following video:

https://www.mesatraining.com/single-head-embroidery-d/set_timing.php

**Note that the machine pictured in the video is an older model of machine that may contain features that are different from your machine. The biggest difference will be found in how you rotate the main shaft. For a 1201C or 1501C embroidery machine, you will have the same black knob that is seen in the video. For C5 and ECHO machines you will have a #5 allen screw on the left side of the machine that, when turned, will rotate the main shaft.