
Part Replacement Instruction

Product: SUPERSTAR 1 & 2

Part Replaced: Encoder Glass

Required Tools:

Flat Blade Screw Driver
5mm Allen Wrench
3mm Allen Wrench
2.5mm Allen Wrench
Ruler

Procedure:

1. Turn the machine off.
2. Unthread the machine.
3. Remove the two Retaining Screws (Figure 1-A) holding the Tensioner Assembly (Figure 1-B) to the Color Change Tower (Figure 1-C).

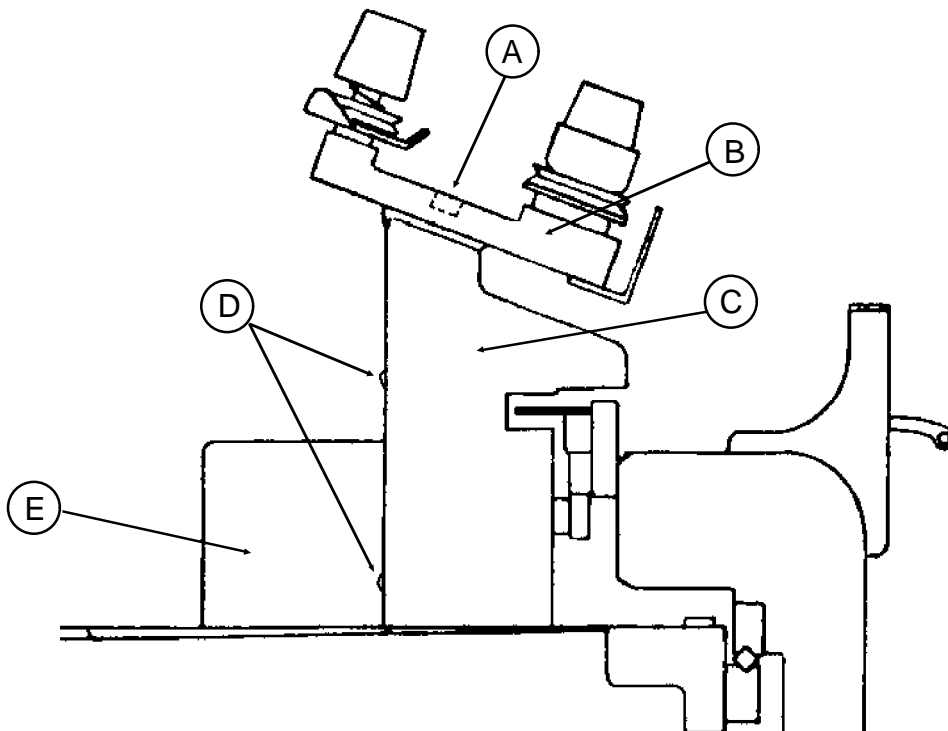


Figure 1

4. Unplug the Tensioner Assembly from the Color Change Board and lay the Tensioner Assembly aside.
5. Remove the four Retaining Screws (Figure 1-D) holding the Color Change Motor Cover (Figure 1-E) to the Color Change Tower and remove the Cover.
6. Turn the machine on and allow it to complete its startup cycle.
7. Remove the two Button Head Screws (Figure 2-F) holding the Encoder Glass (Figure 2-G) in place.

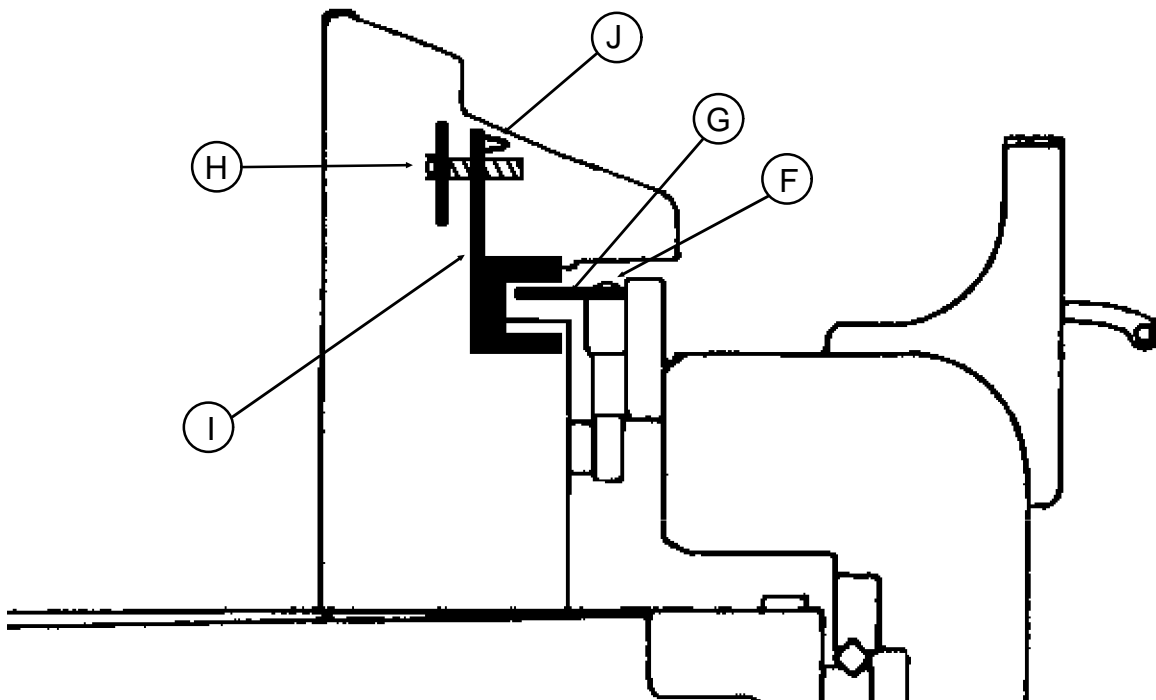


Figure 2

8. Slide the Encoder Glass out one side of the head and discard it.
9. Orient the new Encoder Glass so that the writing on the Glass is toward the front of the machine and is legible (see Figure 3).



Figure 3

NOTE: You must take care not to scratch the Encoder Glass during the next step. Scratches in the Glass will cause erratic operation or a failure in Color Change operation.

10. Slide the Encoder Glass into position and secure it loosely with the two Button Head Screws removed in step 7.
11. Position the Encoder Glass so that it is as far toward the front of the machine as it will go and centered on the mounting plate, then tighten the Retaining Screws.
12. Slightly loosen the two Cap Head Screws (Figure 2-H) holding the Color Change Board (Figure 2-I) in place.
13. Adjust the position of the Color Change Board to meet the following conditions.
 - A. There is approximately 1/16" clearance between the Encoder Glass and the top of the four black detectors.
 - B. The Red LED (Figure 2-J) is on.
 - C. The top of the Color Change Board is parallel with the Color Change Tower.
14. Hold the Color Change Board securely in place and tighten the Cap Head Screws.
15. Turn the machine off, wait 5 seconds, then turn the machine back on.
16. After the machine goes through its startup cycle, verify that the Needle Case is in position number 3 and that the Red LED on the Color Change Board is on.
17. Using the 'CREEP' Function, move the Needle Case to each needle position and verify that it locks securely in place and that the Red LED is on. If not, slightly loosen the Cap Head Screws holding the Color Change Board in place and perform the adjustments outlined in step 13.
18. Turn the machine off.
19. Install the Color Change Motor Cover and secure it with the four Retaining Screws removed in step 5.
20. Plug the Tensioner Assembly into the Color Change Board and secure the Assembly to the Color Change Tower with the two Retaining Screws removed in step 3.

END OF PROCEDURE