



TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 1 of 10
----------------	--	--	---------------------------------------	---------------------

Purpose

This document provides the steps required to install a new shim washer in a SQUIX printer.

Required Material and Equipment

- Squix Printer
- Shim Washer
- C-clip pliers
- 2.5mm Allen wrench
- T-20 Star allen wrench

Intended Audience

Field Service Representative from Scinomix or approved vendors.

Prerequisites

Issues involving faulty ribbon feed spools.

Procedure

1. Turn off power and air to the instrument.
2. Remove the deck by releasing the Blue air connection line on the right side of the deck. (VX models only.)
3. Remove the 4 screws holding the printer to the base using the 2.5mm allen wrench.

TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 2 of 10
----------------	--	--	---------------------------------------	---------------------



Figure 1.

4. Push in and turn the run knob on the roller stage 90 degrees to unlock the roller stage. You can now move the roller stage out of the way.



Figure 2.

TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 3 of 10
----------------	--	--	---------------------------------------	---------------------

5. Pull the stage out and disconnect the peel blow airline and barcode reader if equipped.



Figure 3.

6. Slightly pull the printer out toward the roller stage and unplug the power, and Comm line from the back.

Note: Different printer styles will have different locations than shown below.

TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 4 of 10
----------------	--	--	---------------------------------------	---------------------

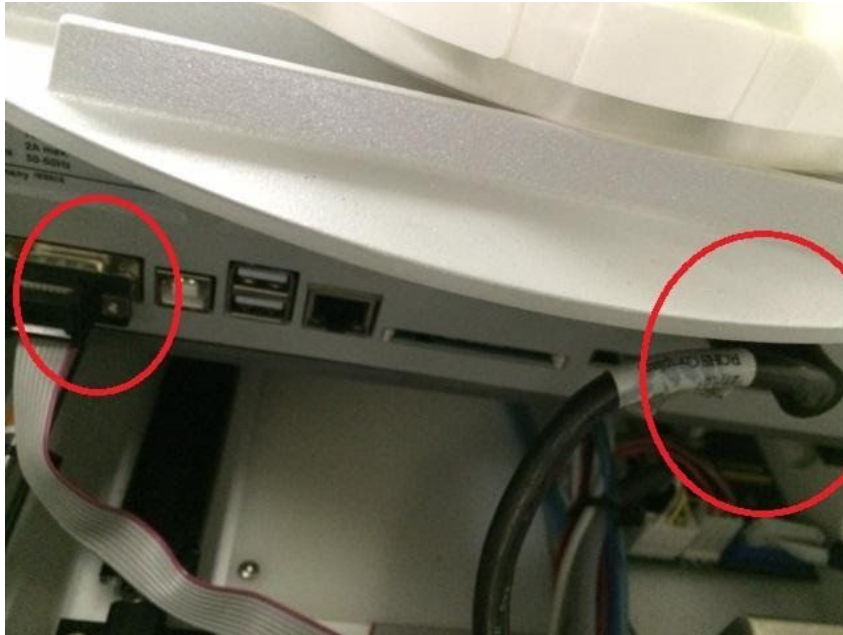


Figure 4.

7. Carefully pull the printer up, and free and set on a table for repair.
8. Using the star allen tool remove the 2 fastener screws for the back panel using the T-20 star allen wrench..



TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 5 of 10
----------------	--	--	---------------------------------------	---------------------

Figure 5.

9. Locate the Ribbon feed spool circled below. This is the only spool to work on.

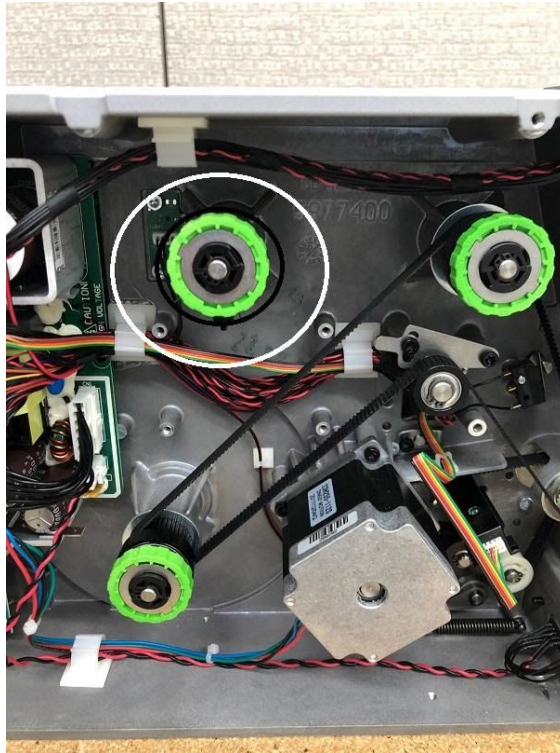


Figure 6.

10. Using a clip removal tool, carefully (you will reuse this clip) remove the C-clip holding the gear to the shaft.

IMPORTANT: It is critical to remember the order the following parts come off, and their orientations.

TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 6 of 10
----------------	--	--	---------------------------------------	---------------------



Figure 7.

11. Pull the gear free, and set aside, while keeping all the parts together in the same order.

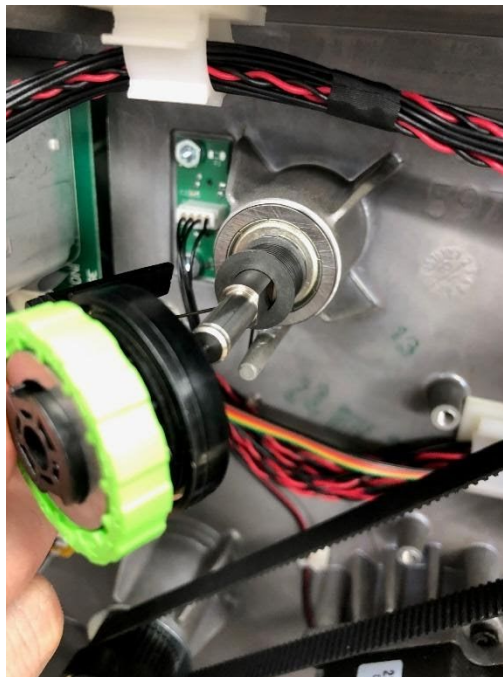


Figure 8.

TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 7 of 10
----------------	--	--	---------------------------------------	---------------------

12. Remove the shim, gear spring, and the second shim. Keep them in that order and set aside.

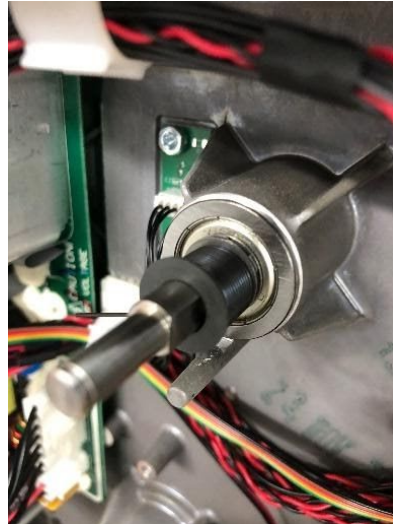


Figure 9.

13. Again using the clip removal tool, carefully remove the final C-clip holding the shaft to the base, and the shim underneath.



Figure 10.

TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 8 of 10
----------------	--	--	---------------------------------------	---------------------

14. Turn the printer over and locate the top side of the Ribbon shaft, then pull the shaft free from the base.



Figure 11.

15. Add the new shim.



Figure 12.

TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 9 of 10
----------------	--	--	---------------------------------------	---------------------

16. Replace the ribbon shaft through the new shim.



Figure 13.

17. Turn the printer over again, and put all the gear components back in the same order they came off in.
- Shim against the base
 - C-clip
 - Shim
 - Gear spring (straddling the idol bar in the middle)
 - Shim
 - Gear components. (fit these by lining up the flat part of the shaft and the flat part of the gears inner diameter)
 - Final C-clip
18. The Ribbon spool should now spring back to middle when necessary.
19. Replace the back cover using the star tool fastener.
20. Reinstall printer into instrument.
21. Test.

If you need additional assistance, please call our service department at 314-298-9800 or email service@scinomix.com.



TS-1049	Installing the Shim Washer into a SQUIX Printer	Document Owner: Service Department	Effective Date: APR-01-2020	Page 10 of 10
----------------	--	--	---------------------------------------	----------------------

Definitions

N/A

Revision History

Version:	Change:	Effective Date:	Approved by:
A	NEW	APR-01-2020	B. Petty