RICOH

Ri 1000

X Encoder Strip Replacement

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Ri 1000 Replace X Encoder Strip

Introduction

This TD&R document is intended to aid RICOH Ri 1000 users in providing maintenance and basic repair service. The information provided is intended to help with performing an X Encoder Strip replacement. Accordingly, this TD&R document is limited to meet the objectives indicated above.

The majority of the hardware used in the RICOH Ri 1000 Direct to Garment printer is in Metric series.

When performing maintenance on the machine, be sure to wear commercially available goggles, gloves and a mask.

Scope

This applies to RICOH Ri 1000 printers.

Symptoms/When To Replace

1. CR encoder error appears and can not be cleared and there are scratches and or stains that cannot be cleaned

Supplies

Required supplies:

1. Power Supply Unit (J1021854)
2. #1 Phillips Head Screwdriver

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WARNING:

Be sure to wear an anti-static grounding strap when handling any circuit board components.

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Before you Begin

Do NOT install part(s) until you have completed the following:
- Read this document and all accompanying documentations for this printer before use.
- Contact your Ricoh supplier prior to installation if any information is unclear or if you have any questions.
- Follow all safety precautions as outline by user manual, and this manual and quick installation guide as well as the following general guidelines:
    - Avoid contact with any sharp edges that are exposed during part installation process.
    - Ensure that main power switch in the back is turned off until installation is complete and disconnect the power cord from the machine.
    - Ensure proper grounding via straps when handling any electrical components.
    - Keep all components, *especially any electrical components*, dry during installation.
    - Double check that no components have been inadvertently exposed to ink (via splash/spill/etc.).
    - Wipe/remove/dry ink prior to powering up machine.

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Safety Symbols for This Machine
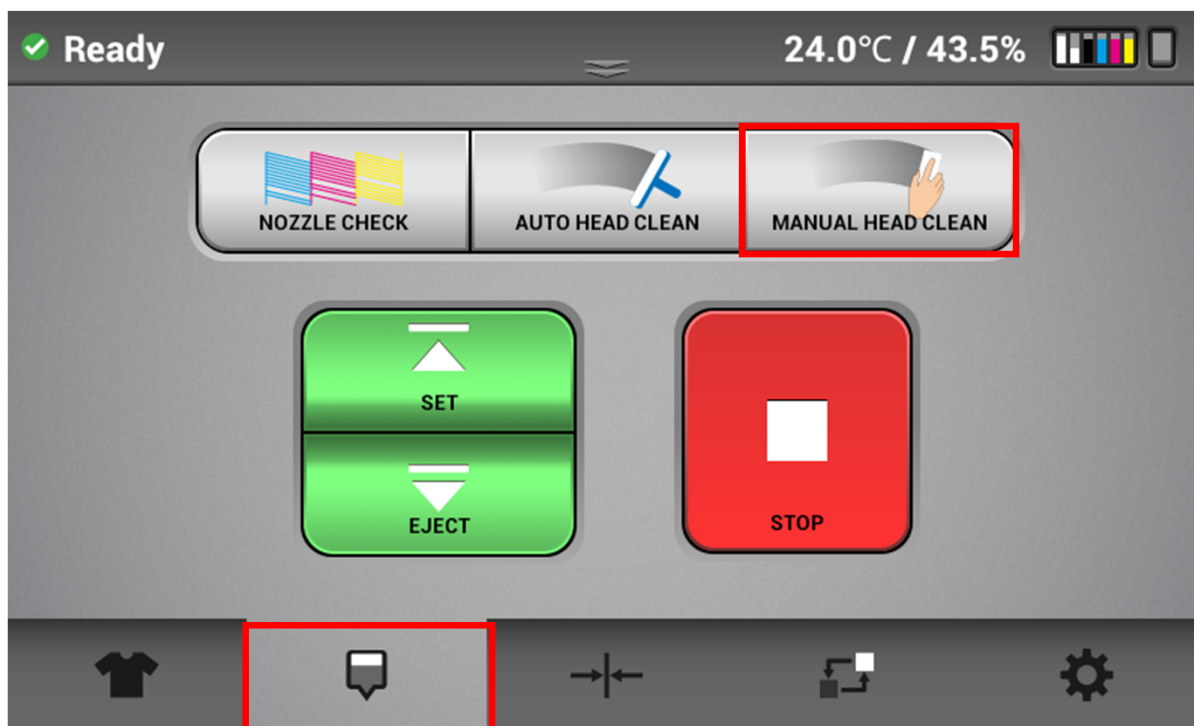The meanings of the safety symbols for this machine are as follows:

⚠	Caution
🚫	Prohibition
❗	General mandatory action sign
✋🚫	Do not touch
⚠	Caution, risk of having hands or arms caught
⚡	Caution, risk of electric shock
▤	Printer Lifting Hand Position Indicator

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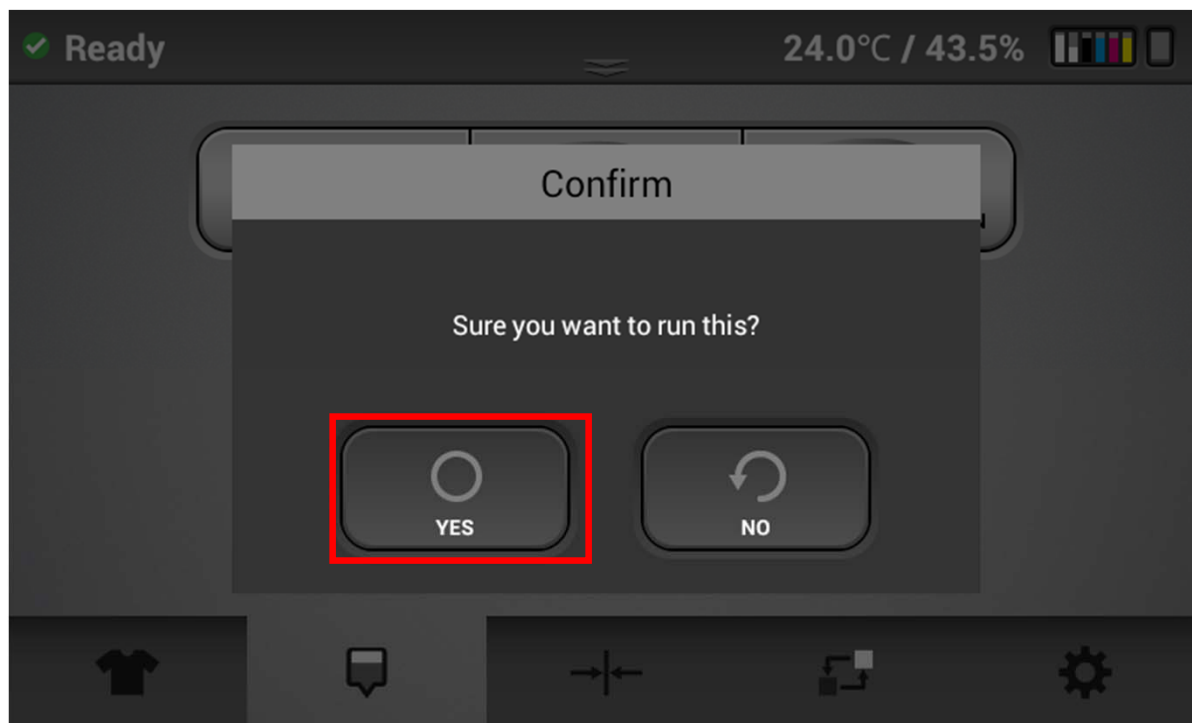
1. Go to the Nozzle Maintenance Tab

2. Select MANUAL HEAD CLEAN

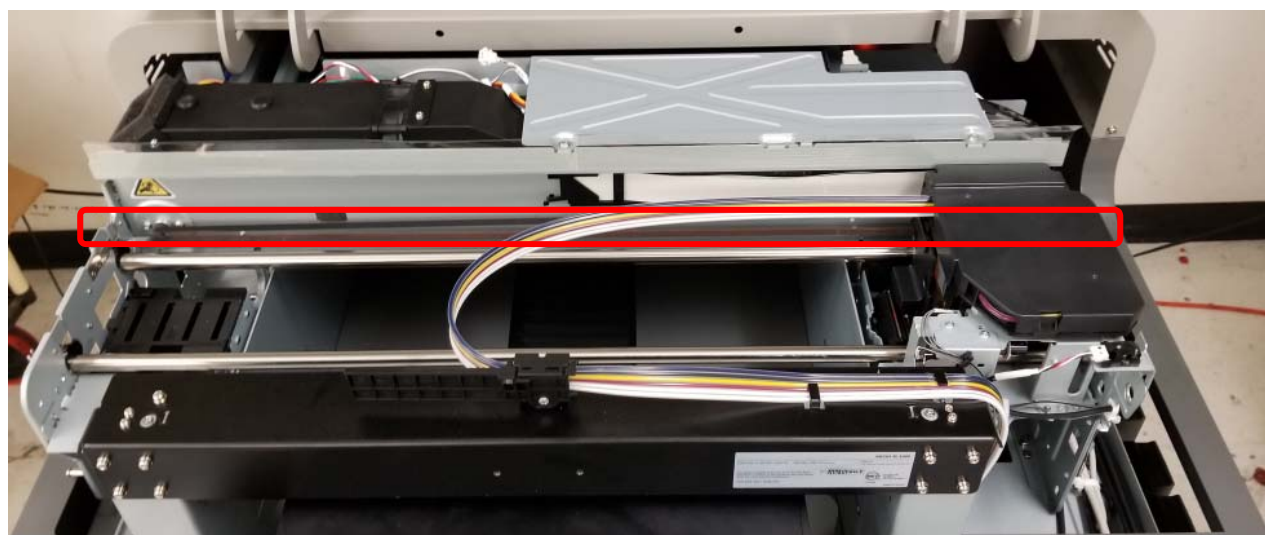# Ri 1000 Replace X Encoder Strip

3. Select YES

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4. Turn off the printer and flip the power switch to the "off" position

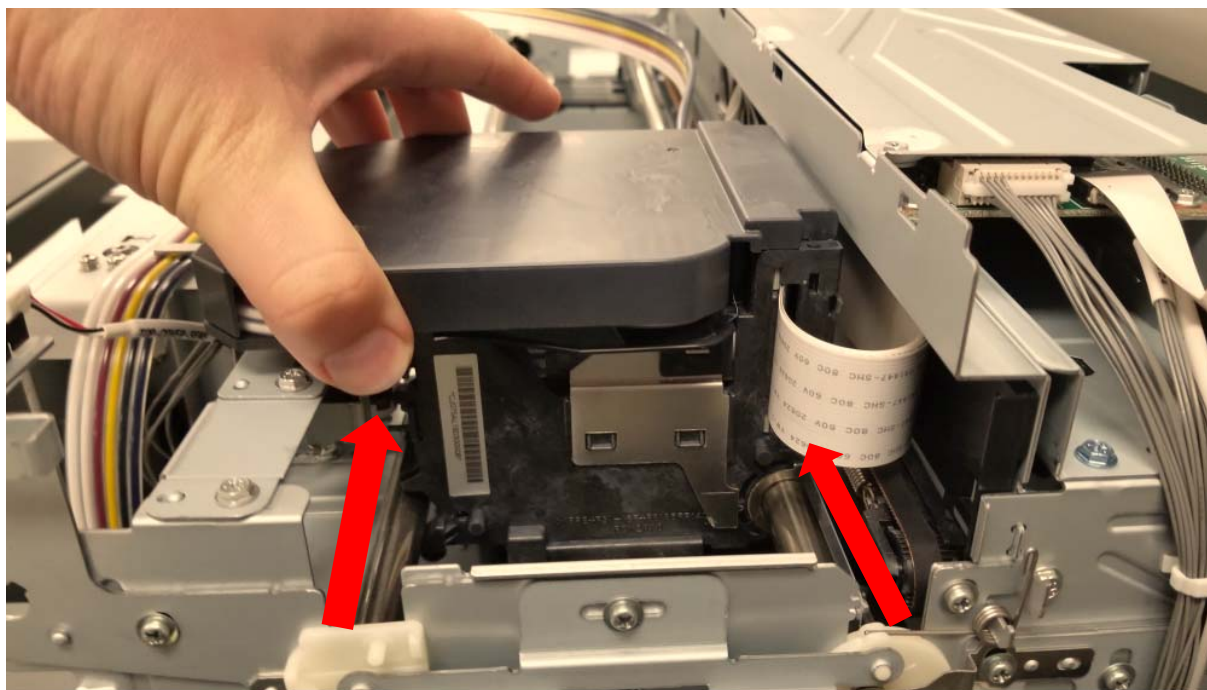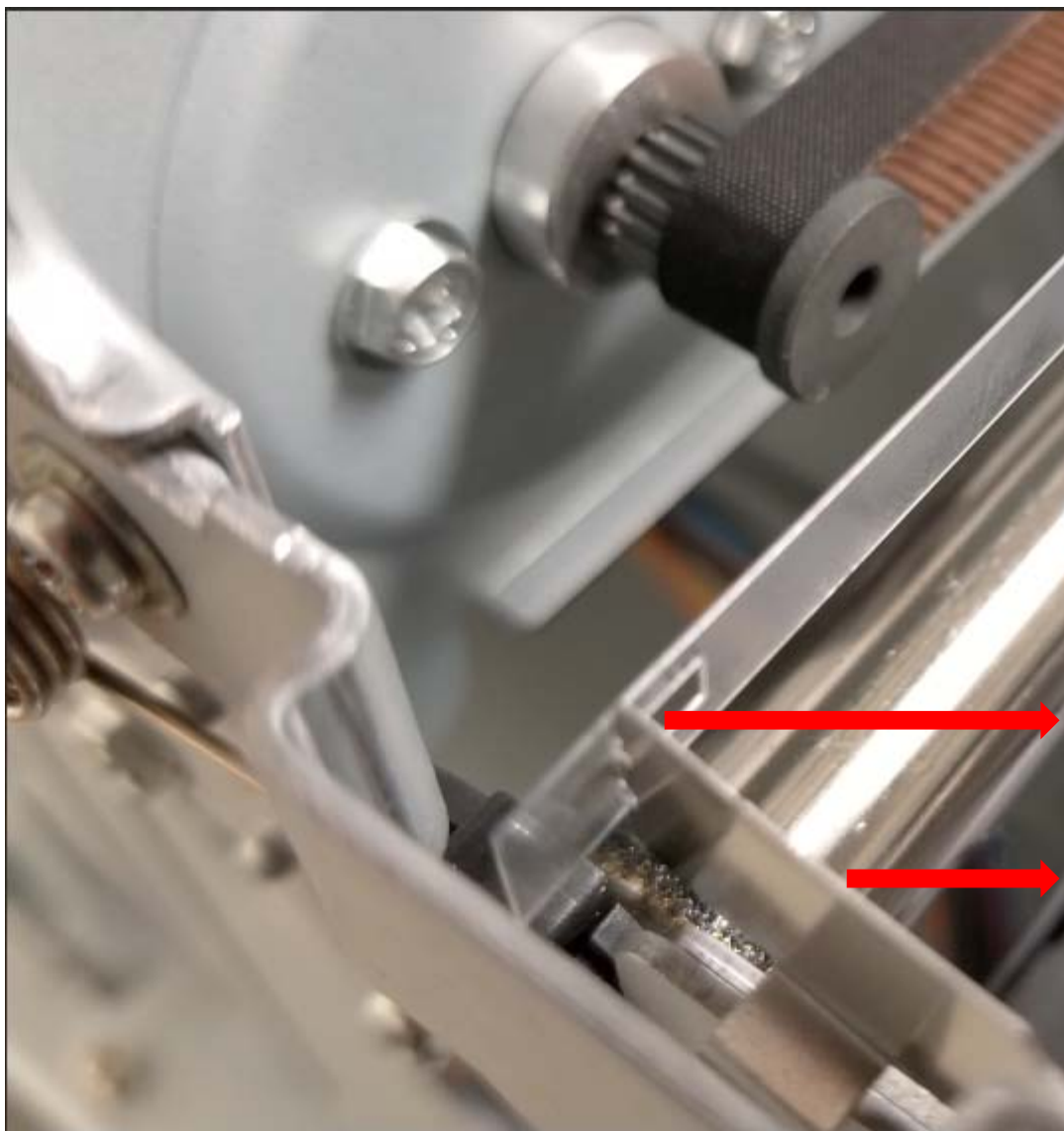5. Open the lid of the printer

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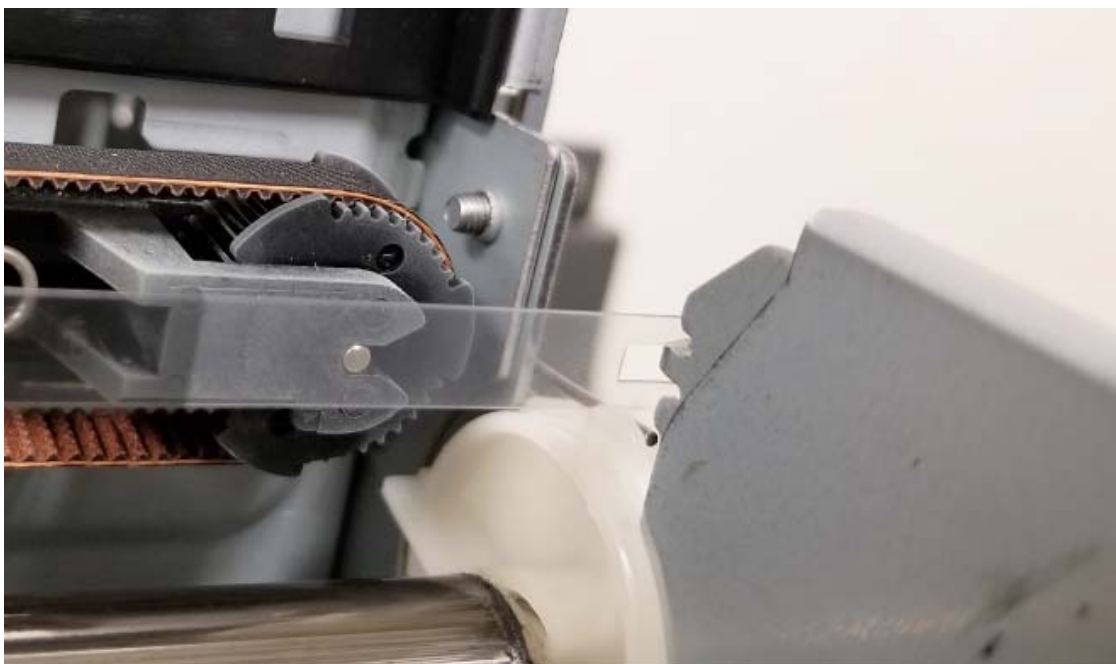
6. Push the carriage away from the maintenance unit

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7. On left-hand side of the printer, pull back the metal spring holding the encoder strip to the right

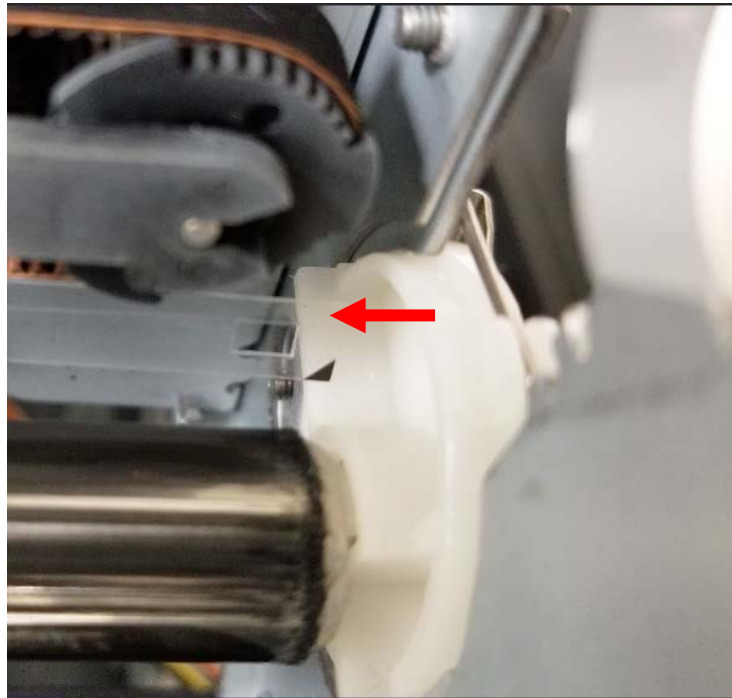8. Release the encoder strip from the spring

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9. Pull the encoder strip out through the print head

10. Release the encoder strip from the hook on the right-hand side of the printer
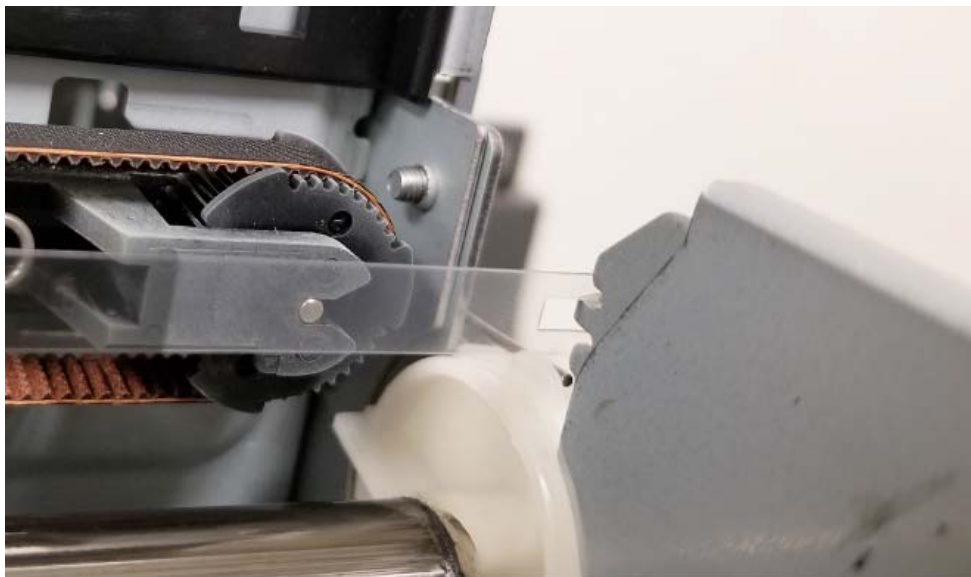
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11. Insert the new encoder strip, with the mark located in the bottom right-hand corner of the strip, through the print head and hold on both ends of the encoder strip to prevent dragging. Note: Metal encoder strip has notch cut-out instead of black triangle mark pictured below.
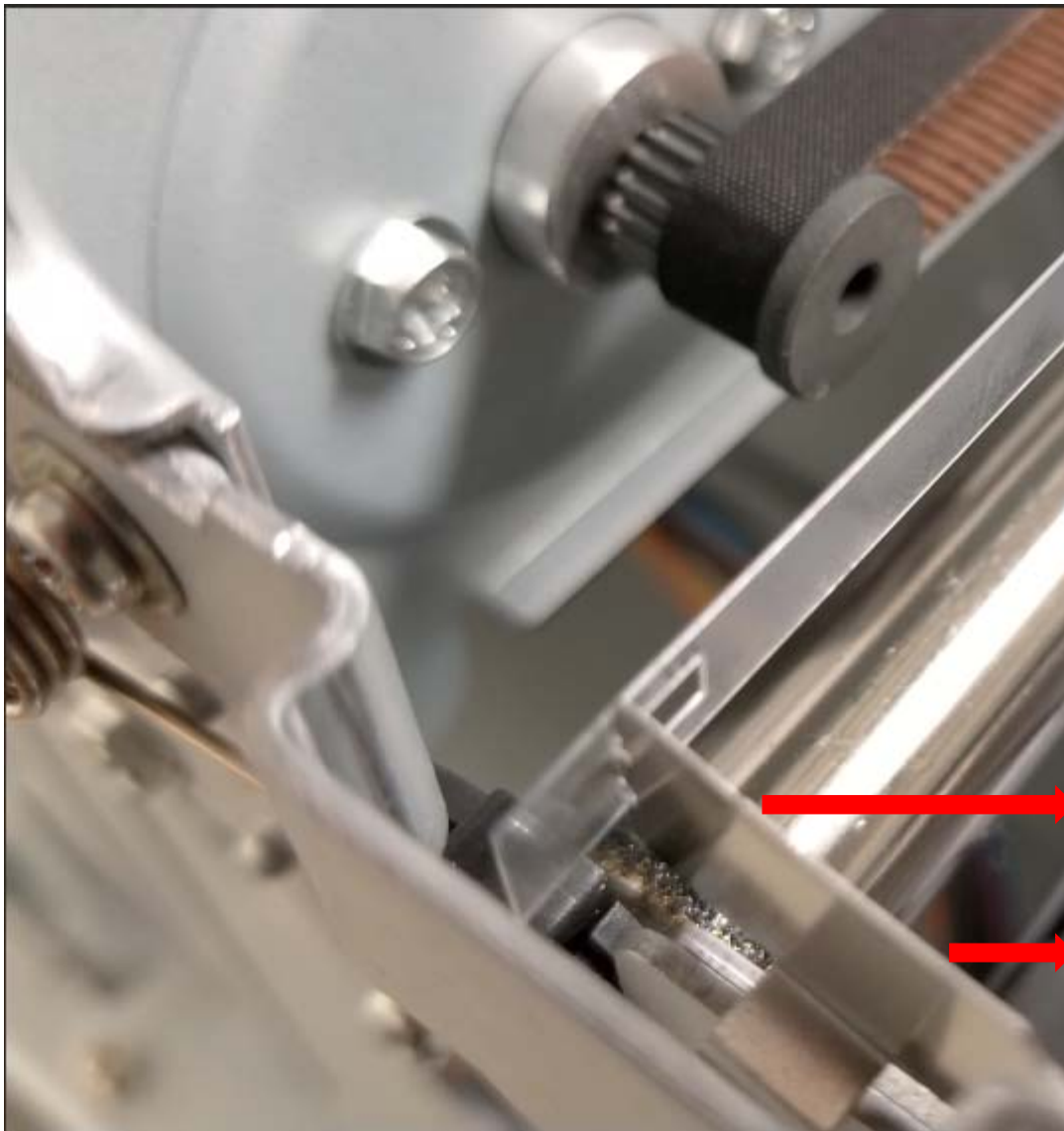

12. Secure the encoder strip from the hook on the right-hand side of the printer

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13. On left-hand side of the printer, pull back the metal spring that holds the encoder strip to the right

14. Attach the encoder strip to the spring

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15. Flip the power switch to the "on" position and turn on the printer
16. Close the lid of the printer

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Caution:

- Verify that the part was installed correctly:
    - CR encoder does not appear
    - Perform the head alignment procedure as outlined in the user manual