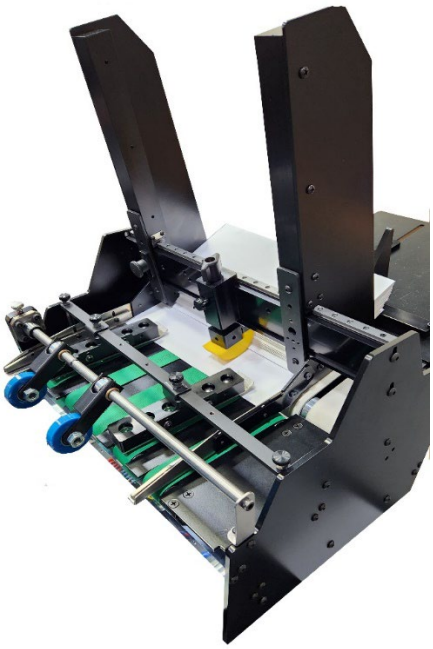
iJetColor 1175

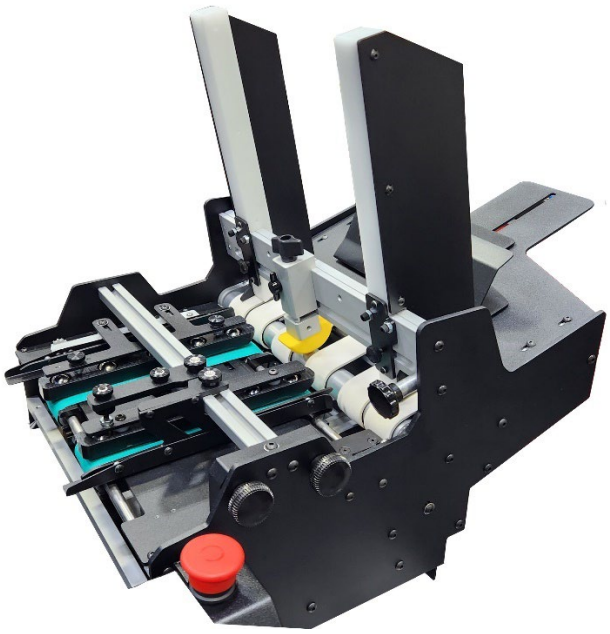
Printware

Replacing Feeder – Feeder version A to version B

This document describes the process of switching the 1175 feeder from version A to version B. Updates to the TOF sensor and infeed rollers are also described.



Version A Feeder



Version B Feeder

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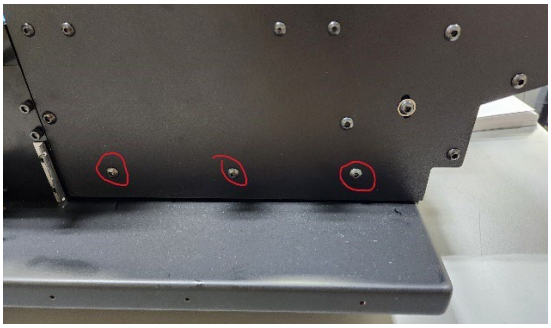
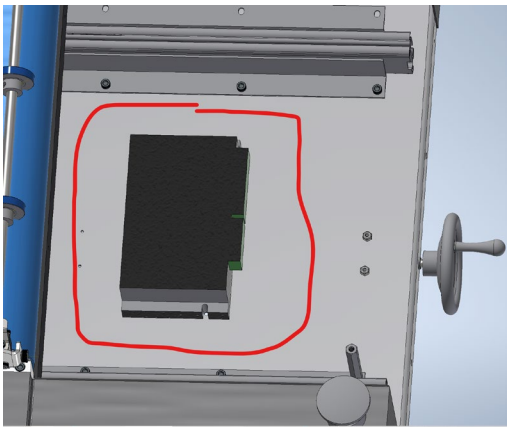
Feeder Replacement

1. Remove the old *version A* feeder.
    a. Disconnect the cabling - Disconnect the cabling running to the feeder.
    b. Remove the six mounting screws – There a three mounting screws on each side of the printer. Remove all six of these screws.

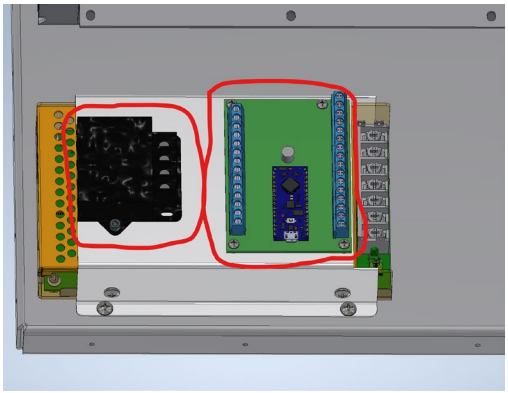


    c. Remove the feeder from the printer.

2. Remove unused electronics.
    a. Remove the feeder driver box and cabling – Disconnect cabling to feeder. Remove the two mounting screws securing the driver box. Remove driver box from printer.

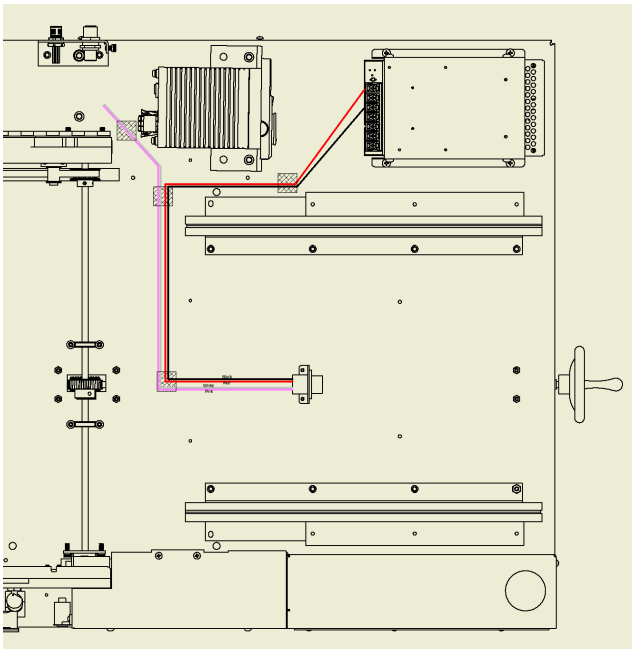


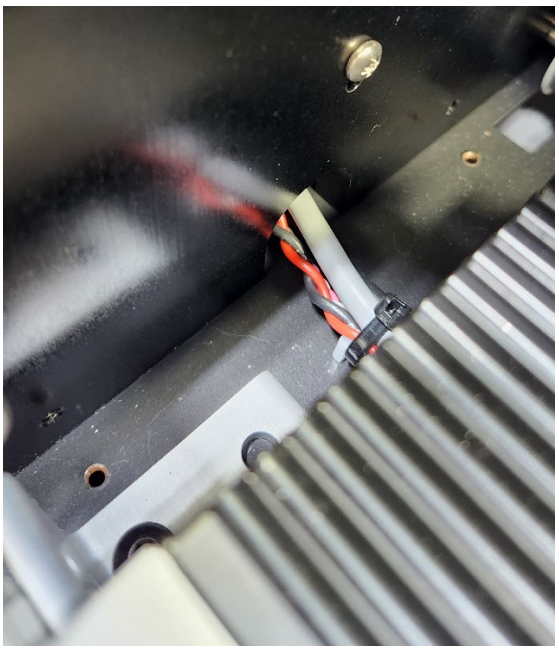
b. Remove the controller board and cabling – Remove the rear feeder side cover. Disconnect and remove the Arduino assembly and the voltage converter.



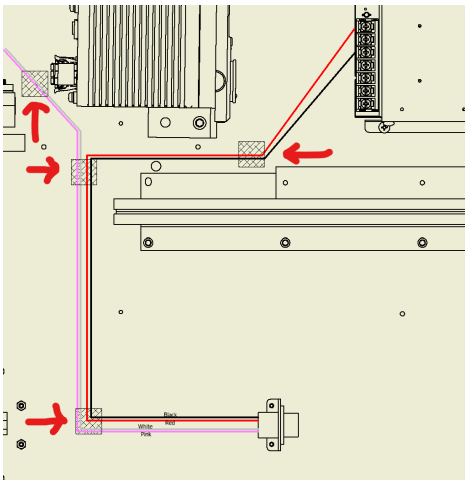
3. Install the connector bracket – Using two #4 screws, attach the connector bracket to the printer base.

4. Route new feeder cable.
    a. Route the new cabling as shown –





    b. Secure cabling – Secure the cabling using the adhesive cable tie mounts and zip ties as shown.



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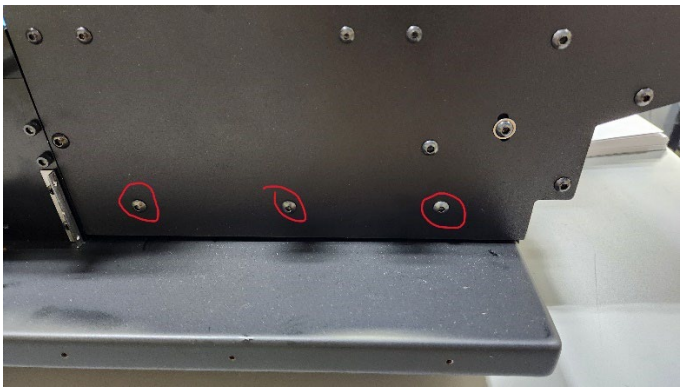
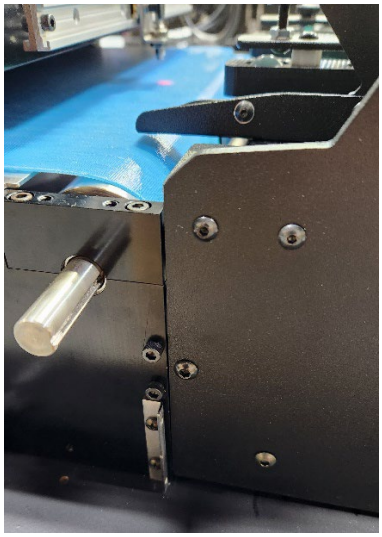
5. Install new feeder - Place the new feeder on the slide rails and secure with three screws on each side.



6. Remove the existing standoff that acts as the feeder stop. Add the new 3 inch standoff to the position shown below. You will have to insert a screw from underneath the printer base.

7. Adjust the feeder positioning – The height of the feeder may need to be adjusted slightly. The mounting holes are slotted allowing movement up and down as well as the angle of the feeder. Adjust the feeder position so that the guides that hang over the blue belt are close *but not touching* the belt.

Also, check that the feeder, when slid in, is up against the conveyor frame on both sides. Failure to adjust this properly could lead to excessive skew.



8. Connect the cabling – The red and black cables should be attached to the power supply as shown.

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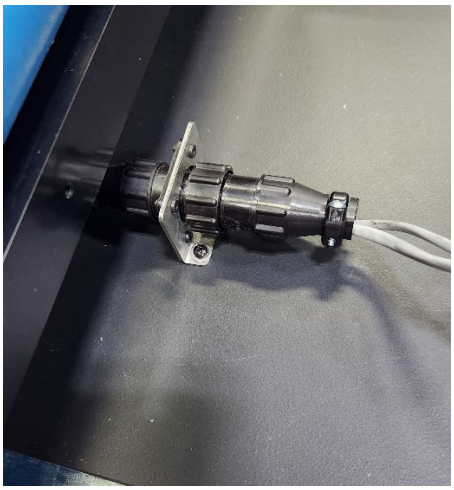
9. You will need to crimp the pink and white cables using the appropriate crimper (Panduit CT-100 or equivalent). The white cable should be crimped to the black wire coming from the E-Stop button. The pink cable should be crimped to the pink cable coming from the M12 connector on the back of the printer base.

10. Connect the cable from the feeder.



11. If needed, for clearance of the E-Stop button, install a rev C or later right front cover and E-Stop assembly.

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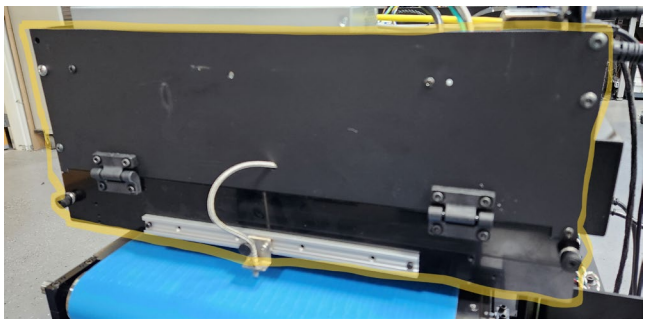
TOF Sensor replacement

1. Remove the right printhead wall.
    a. Remove the top printhead cover.
    b. Remove old TOF sensor fiber from bracket.
    c. Remove screws holding the side plate on.
    d. Remove side plate assembly.

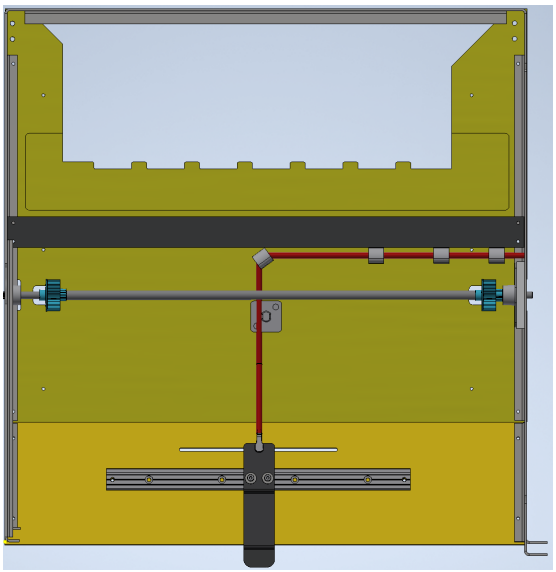


2. Fully remove old TOF sensor fiber.

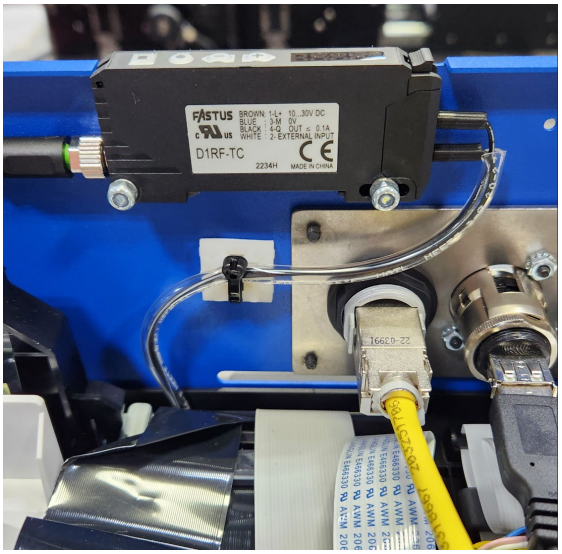
3. Route the new sensor fiber – Attach the cable tie holders to the fiber tubing and route the fiber as shown. Secure the adhesive backed cable tie holders to the crash plate in the approximate location in the diagram.

    Note: the fiber tubing will be run under the service station shaft.

    Tighten the zip tie after making sure that the sensor has enough movement to be able to slide across the entire slot and making sure that the tubing will not interfere with the service tray while cleaning.

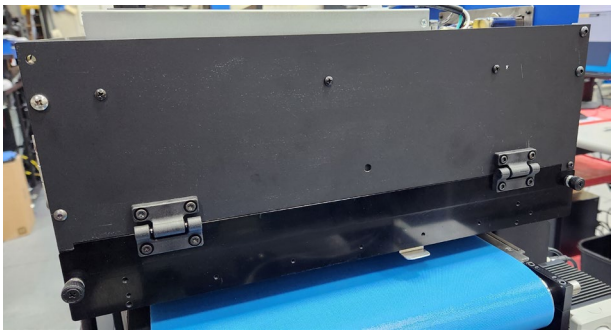


4. Route the rest of the fiber up between the outer frame of the BNB and the printhead frame. Secure with cable tie holder(s).



5. Attach bottom entry guide.

6. Install the new printhead right side plate assembly.



7. Set TOF distance in the DFE – Typically this is somewhere around 22000

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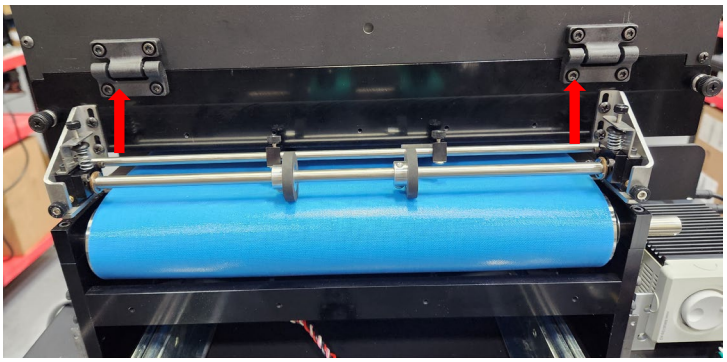
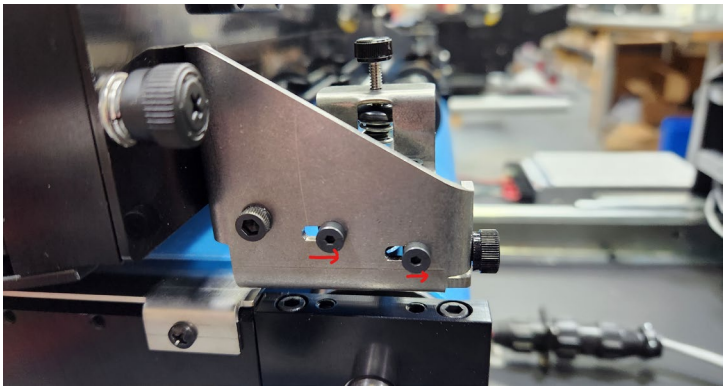
Install the Infeed Roller Assy

1. Attach the infeed roller assembly to the printhead using four #8 Philips head screws. The assembly should be positioned in the fully up position.



2. Adjust the infeed roller assembly if needed – The horizontal shoulder screws should be adjusted fully right. The vertical adjustment screws (adjusts the roller squeeze) should be adjusted evenly on both ends.



3. Refer to additional document(s) for feeder setup and use.