WT4-AXB Series Printer

Kitting Manual

WT4-AXB TT203 / 300
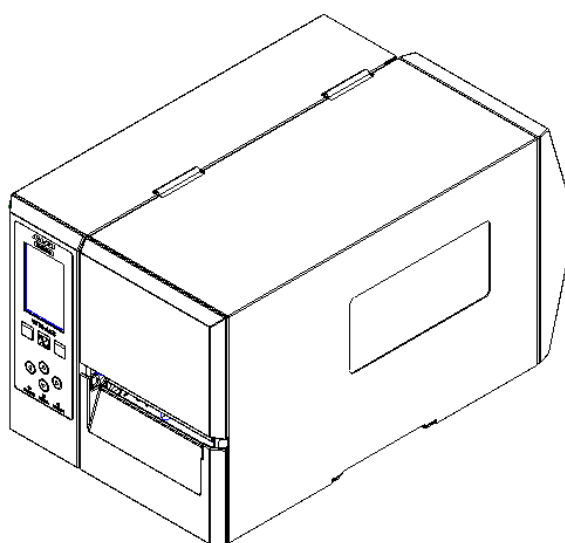
Contents

Preface

This manual provides detailed instructions for assembling and replacing key hardware components in the WT4-AXB printer. It is intended to guide technicians through specific kitting tasks, including installing accessories such as the cutter, peeler, roller, and the Wireless Combo Module and replacing the Thermal Print Head. Follow each procedure carefully to ensure accurate assembly and optimal printer performance.

Who should read this manual

This manual is intended for technicians and operators who perform assembly, kitting, and component replacements on the WT4-AXB printer.

Related Documents

- ▪ WT4-AXB Series Technical Manual
- ▪ WT4-AXB Series Interface Manual

Accessories Installation

This chapter describes how to install accessories on the printer.

Replacing the Cutter

This section describes replacing the cutter module on your SATO WT4-AXB printer.

➢ **Cover and Strip Removal**

This part describes how to dismantle your printer.

1. Open the printer cover.
2. Remove the tear-off strip:
   - If present, peel off the tear-off strip from the front of the printer.
3. Remove the bottom front cover:
   - Loosen and remove the two screws on the right side and bottom of the cover.

   - Slide the cover downwards to detach it from the printer.
4. Remove the tear bar:
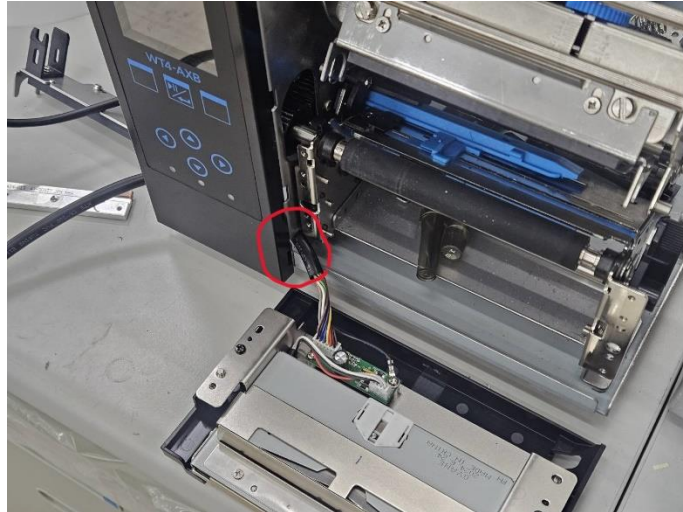   - Loosen and remove the four screws at the front of the tear bar.

   - Remove the tear bar.

➢ Installing the Cutter

This part describes how to thread the cutter cable and wire, connect them to the main board, secure the cutter, and reinstall the part you removed.

1. Route the cutter cable:
   - Thread the cutter cable through the square hole to the bottom-left of the print module.


2. Connect the cutter cable:
   - Connect the cutter cable to the J23 connector on the mainboard. (J23 is a white port to the main board's right.)
   - Loosen the screw on the bottom-right corner of the mainboard.
   - Connect the ground wire (fork terminal) to the screw.
   - Tighten the screw to secure the ground wire.
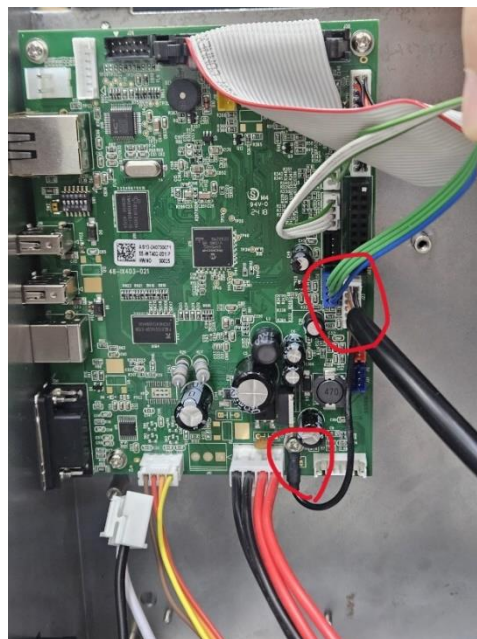
3. Secure the cutter:
   - Align the two locating pins on the cutter with the two locating holes at the front of the print module.
   - Gently push the cutter into place until it is seated correctly.
   - Tighten the three screws on the cutter to secure it.
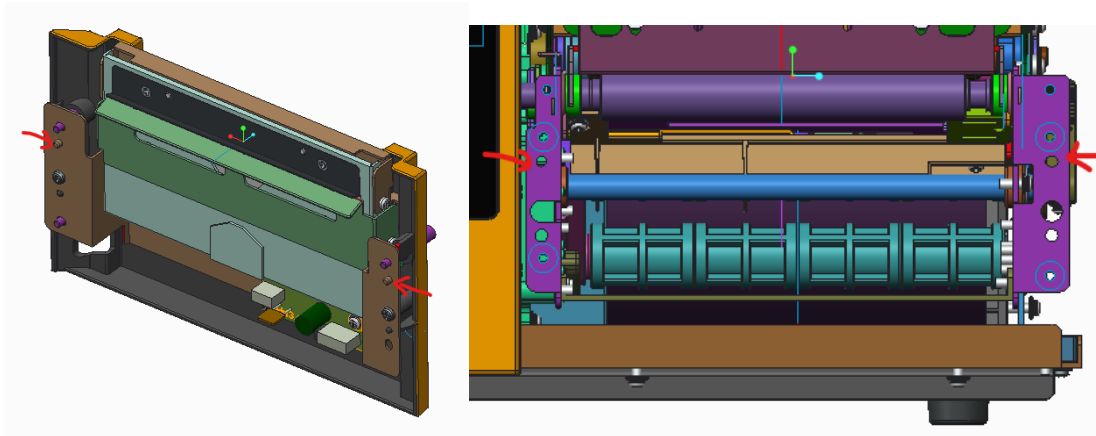
> **Testing the Cutter**

This section describes how to use the cutter to cut your label.

1. Load the media:
   - Place the media roll on the media holder.
   - Slide the media clamp to secure the media roll.
   - Push the media guide to the left.
   - Thread the media under the media damper.
   - Pull the media until it reaches the edge of the cutter plate.
   - Position the media under the media sensor bar and center it between the media guides.
   - Thread the media into the cutter slot.
2. Close the printer:
   - Close the print module and press firmly on both sides until you hear a click.
   - Close the printer cover.
3. Test the cutter:
   - Send a print job or press the **FEED** button to test if the cutter works.

Replacing the Peeler

This section describes replacing the peeler module on your SATO WT4-AXB printer.
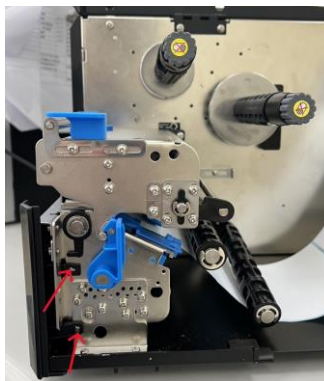
➢ **Overview of the Peeler Module**

The peeler module removes the backing label after a label is printed. Follow the steps below to replace and test the peeler module.
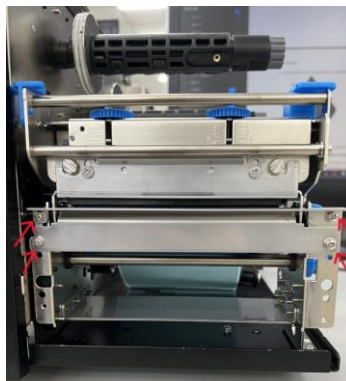

➢ **Removing the Tear Bar and Front Cover**

1. Open the printer cover.
2. Loosen and remove the two screws on the side of the lower front cover.
3. Remove the lower front cover from the printer.

4. Loosen and remove the four screws securing the tear bar on each side.

5. Carefully remove the tear bar from the printer.

➢ Installing the Peeler Module

1. Loosen and remove the three screws from the printer case shield.

2. Loosen the two additional screws on each side of the case shield.
3. Remove the lower case shield from the printer.
4. Thread the peeler cable through the square hole on the print module's left side.
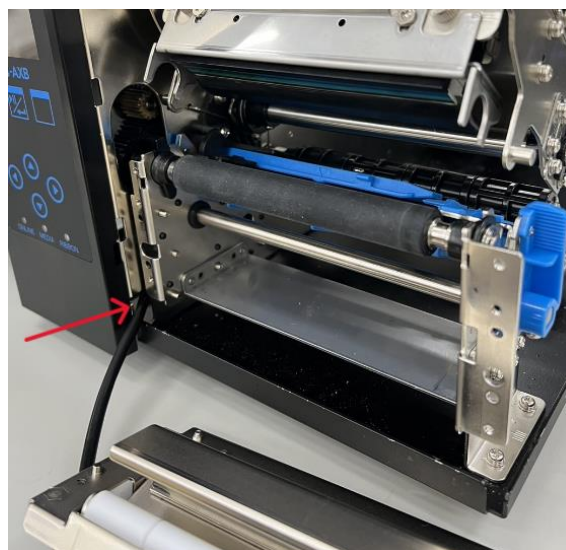
5. Connect the peeler cable to the J9 connector on the main board (the J9 port is a red connector located on the right side).

6. Reinstall the case shield by reversing the removal steps, ensuring it is securely attached.
7. Place the peeler module onto the print module, aligning it correctly.
8. Tighten the three screws to secure the peeler module on each side.
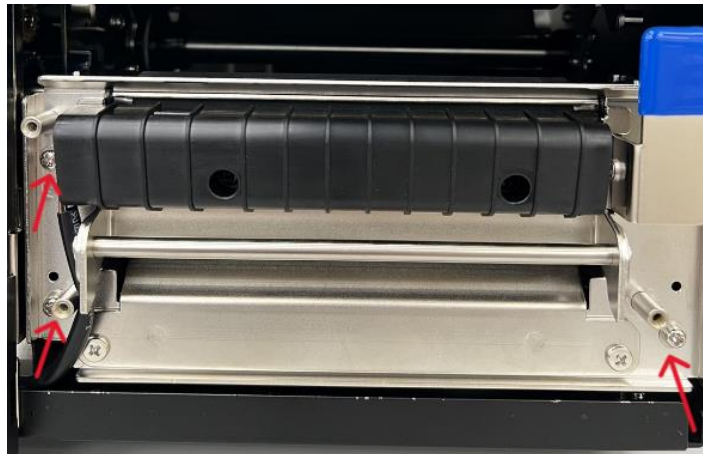
9. Attach the peeler cover to the print module and secure it using the four screws on each side.
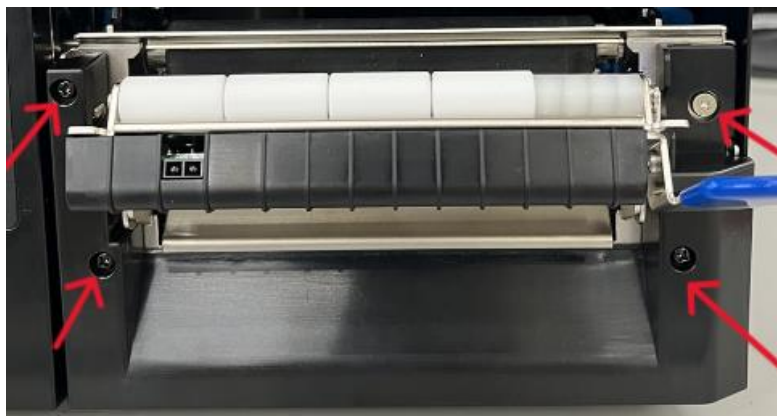
➢ **Testing the Peeler Module**

This part describes how to use the peeler to peel off your label.

1. Slide the media roll holders outward and place the media roll between the holders.
2. Ensure that the print side of the media is facing up and that the roll is clamped tightly by the media holders.
3. Press the lock button on the media guides to slide them outward.
4. Pull the media until it reaches the edge of the peeler plate.
5. Position the media under the media shaft and center it between the media guides.
6. Thread the media into the peeler slot.
7. Close the print module firmly until you hear a click.
8. Close the printer cover.
9. Send a printing job or press the FEED button to test if the peeler works as expected.

Notes:
☞ Ensure that all screws are tightened securely to prevent loose parts.
☞ Avoid bending or damaging the cable for proper functionality when threading the peeler cable.

Replacing the Roller

This section describes replacing the roller module on your SATO WT4-AXB printer.
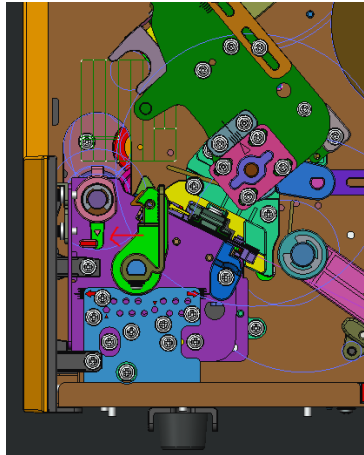
➢ **Overview of the Platen Roller**

The platen roller drives the label printing media through the printer. Follow the steps below to remove the old platen roller, install a new one, and test its functionality.
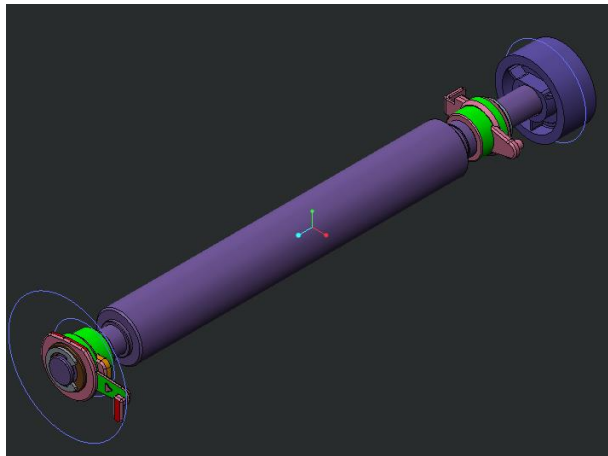
➢ **Removing the Old Platen Roller**

1. Open the printer cover.
2. Rotate the buckle of the platen roller counterclockwise by 180 degrees.

3. Carefully remove the old platen roller from the print module.

➢ **Installing the New Platen Roller**

1. Place the new platen roller onto the print module, ensuring proper alignment.
2. Rotate the buckle of the new platen roller clockwise to secure it in place.
3. Close the printer cover.

➢ **Testing the Platen Roller**

1. Slide the media roll holders outward and place the media roll between the holders.
2. Ensure the print side of the media is facing up and that the roll is clamped tightly by the media holders.
3. Press the lock button on the media guides to slide them outward.
4. Pull the media until it reaches the edge of the tear bar plate.
5. Position the media under the media shaft and center it between the media guides.
6. Thread the media into the slot of the tear bar.
7. Close the print module firmly on both sides until you hear a click.
8. Close the printer cover.
9. Send a print job or press the FEED button to test if the new platen roller is functioning correctly.

Notes:

☞ Ensure the platen roller is securely locked to avoid any misalignment during printing.
☞ When threading the media, make sure it is centered and properly fed into the slot to prevent jams.

Replacing the Wireless Combo Module

This section provides step-by-step instructions for replacing the Wireless Combo Module in the WT4-AXB printer. The Wireless Combo Module enables the printer's wireless communication capabilities, including Wi-Fi and Bluetooth. Proper installation of this module is essential to maintain stable and reliable wireless connections. Follow the instructions carefully to ensure correct replacement and functionality.

1. Connect the cable to the J4 connector on the Wireless Combo Module.
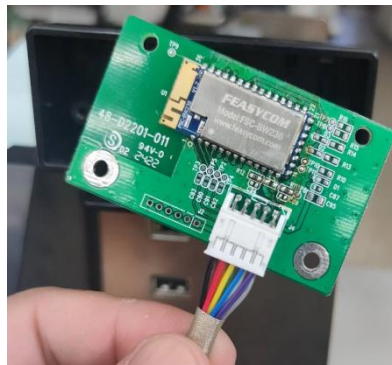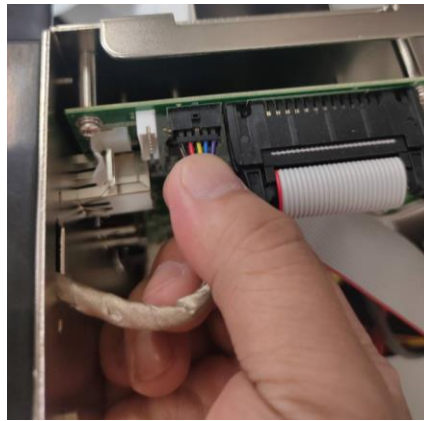

2. Secure the Wireless Combo Module using screws.

3. Reattach the cover and fasten it with screws.

4. Connect the cable to the J28 connector on the main board.

Replacing the Thermal Print Head

This section provides instructions for replacing the Thermal Print Head (TPH) of the WT4-AXB printer. The TPH is a critical component responsible for creating printed images by applying heat to the media. Proper removal and replacement are crucial to ensure continued high-quality printing and to prevent damage to the TPH or surrounding components. Follow the steps carefully to complete this process safely and efficiently.
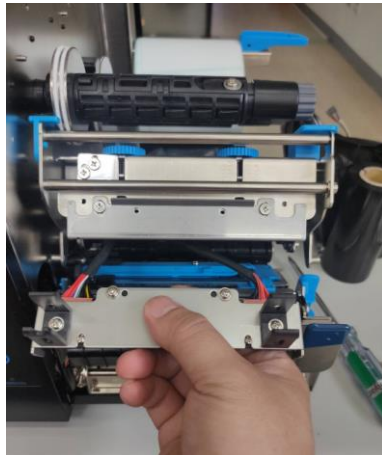
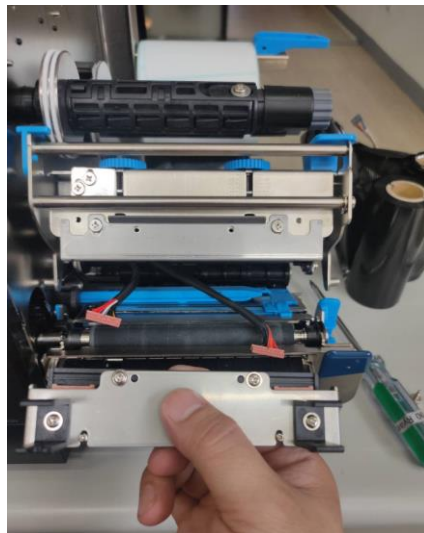1. Use a flathead screwdriver to remove the screws securing the TPH.

2. Open the print head gently to expose the TPH module.

3. Carefully remove the TPH module.

4. Disconnect the TPH cable and replace the module with a new TPH.

5. Reattach the TPH cable and ensure it is securely connected.

6. Close the print head and fasten the screws to secure the assembly.