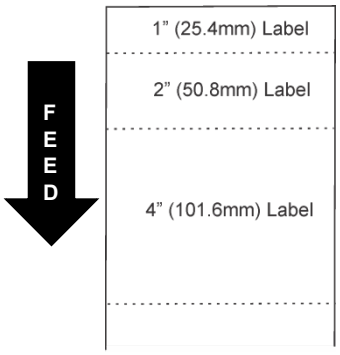
MONARCH® ADTP2 ECOCUT™ INSTRUCTIONS

Use these instructions for the Avery Dennison® Monarch® EcoCut™ Tabletop Printer 2. EcoCut is designed to cut through the label material, but not the liner.

EcoCut supplies are continuous, set the printer's Supply Type to **continuous**. Set the printer's Feed Mode to continuous (non-peel), on-demand (peel) mode, or liner take-up (peel with liner take-up) mode.



The dotted lines indicate where the label is cut. The liner is not cut.

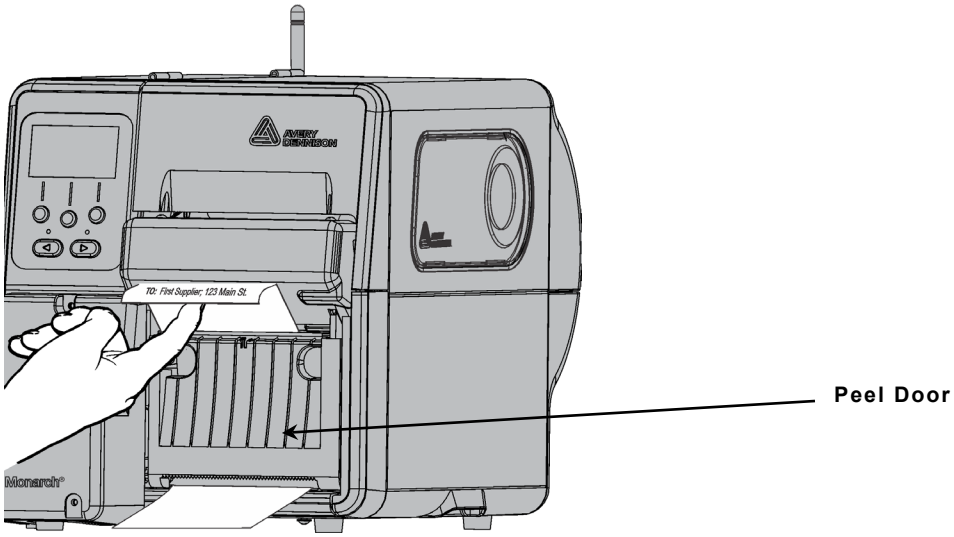
- The peel chute is already installed to operate in peel mode. The printer separates the label from the liner and the liner feeds out the front of the printer.
- Remove the peel chute to operate in peel mode with liner take-up. The printer separates the label from the liner and the liner is collected on a take-up reel near the supply roll.
- Install the tear edge to operate in continuous (non-peel) mode.
- The feed length for each print job may vary, depending on the length set in the format or at the printer's menu. See "Setting Supply Options" for more information.

Information in this document supersedes information in previous versions. Check our Web site (www.printers.averydennison.com) for any updates.

CAUTION: Do **not** place your fingers or any other objects into the cutter.

EcoCut Tips

- When removing printed labels, always lift up, using the cutter cover as a guide. Do not pull the label to remove; doing so may cause the label to tear or the printer to lose registration.



- With 6.0 inch (or longer) labels in on-demand mode, static build-up may cause the label to stick to the printer's peel door. Keep a finger below the printed label and lift up to remove, using the cutter cover as a guide.
- Follow the cleaning instructions provided in this document for optimal performance.
- **The EcoCut printer is only warranted with use of Avery Dennison-approved supplies.**
- Standard die cut supplies may be used for non-cutting applications, but you may need to remove the cutter cartridge. See "Removing the Cutter Cartridge" for more information. Black mark supplies are not supported.

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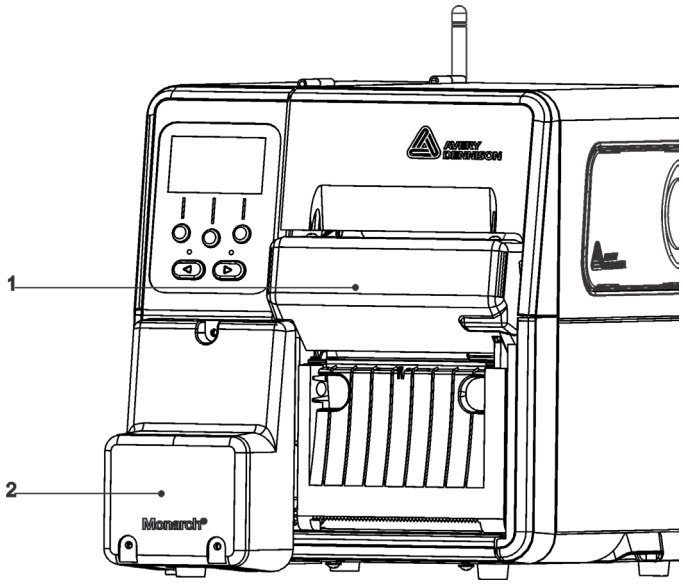
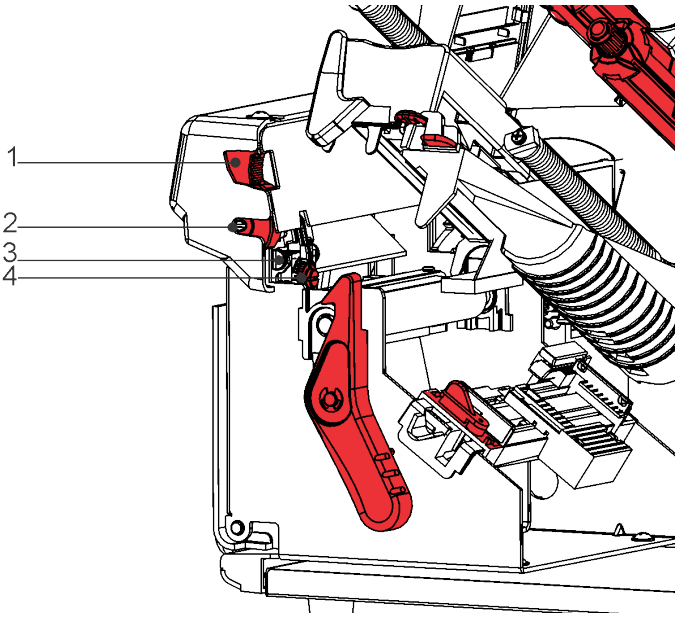
1	Cutter Cover
2	Motor Cover



1	Cutter Cartridge Release
2	Cutter ‘Home’ Position Screw
3	Cutter Cartridge (dark gray)
4	Cut Depth Dial (red)



Setting Supply Options

Set the printer for the expected operation ***before*** loading supply/ribbon and sending print jobs.

Main Menu → Setup → Supply

Option	Choices	Recommendation
Supply Type	Continuous/C Aperture/C Die Cut	Continuous
Ribbon	No/Yes/High Energy	See below.
Feed Mode	Continuous/On-Demand/Liner Takeup	On-Demand
Cut Mode	Disabled/Cut Each Tag	Cut Each Tag
Non Indexed Length	Use Fmt Length/Use Image Len.	Use Fmt Length
Batch Feed	Manual/Auto	Auto

Setting the Supply Type

Set the supply type to match the loaded supply. Continuous is the default setting for EcoCut supply. Using any other setting causes improper operation and/or supply faults.

Setting the Ribbon

For thermal direct supplies, no ribbon is required. For thermal transfer supplies, load a ribbon. See "Loading a Ribbon" for more information.

Setting the Feed Mode

Feed mode sets the operation for printed supply as continuous, on-demand, or liner take-up. On-Demand (peel mode) is the default setting, see "Loading Supply for On-Demand (Peel) Mode." To use Continuous (non-peel) mode, see "Loading Supply for Continuous (Non-Peel) Mode." To use Liner Take-up mode, remove the peel chute, see "Loading Supply for Liner Take-up (Peel with Liner Take-Up) Mode."

Setting the Cut Mode

Set how the printer cuts supply. This printer has a rotary (pizza cutter) blade. For information about cutter maintenance, see "Cleaning Adhesive from the Supply Path." The printer does not have a cut button – select the appropriate cut mode for your application.

Select	To
Disabled	Do not cut.
Cut each tag	Cut after each tag in the batch. This is the default setting.

Setting the Non-Indexed Length

The supply is cut based on the feed length in the format header's length parameter or on the last printed image length.

Select	To
Use Fmt Len. (Use format length)	Uses the length specified in the format header to determine where to cut the supply. Refer to "Defining the Format Header" in the *Packet Reference Manual* for more information.
Use Image Len. (Use image length)	Uses the last printed actual image length to determine where to cut the supply. For example, if the last printed image was 375 dots long, the cut is made at 395 dots. This option removes any blank lines before and after the image.

Setting the Batch Feed Mode

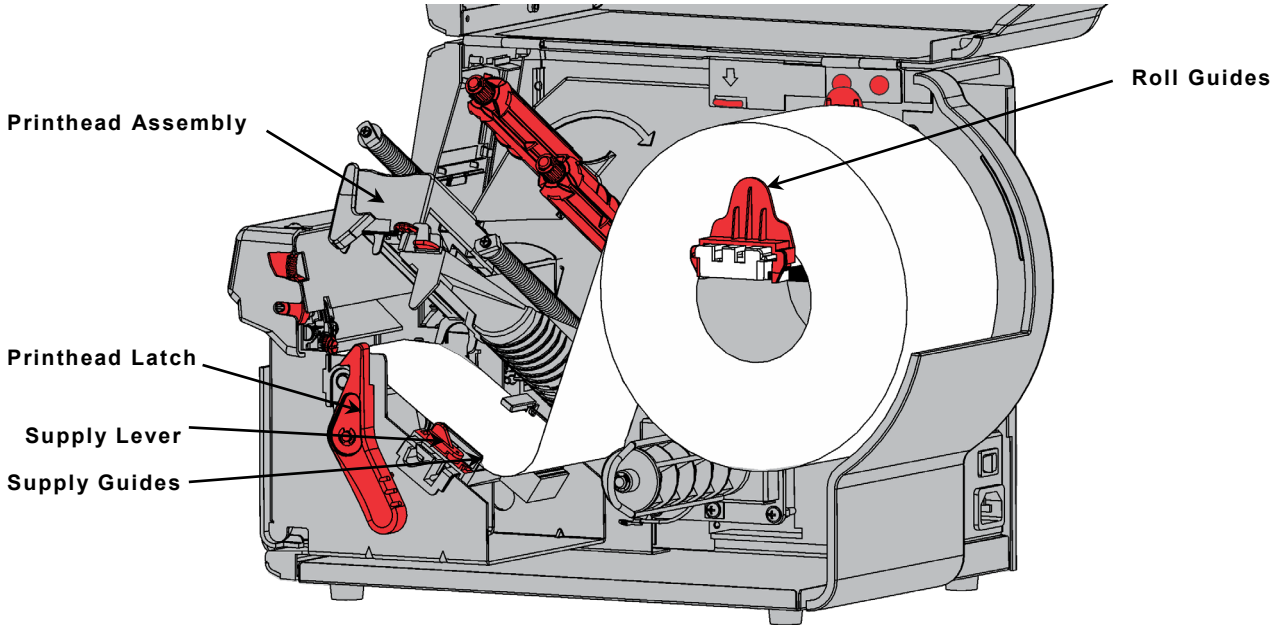
Batch feed mode sets the operation of printed batches as automatic or manual. **Only set batch feed mode for EcoCut printers using Continuous feed mode and cutting each tag**.

Select	To
Auto	Batch feed mode feeds and cuts a blank label after batches finish printing for easy removal. This is the default setting. If multiple batches are sent at once, a blank label feeds *only after the last batch prints*. If batches are sent one at time, a blank label feeds after *each* batch.
Manual	The user must press **Feed** to manually advance the printed and cut batch for easy removal. Recommended for 1.2-inch long cut lengths.

Loading Supply for On-Demand (Peel) Mode

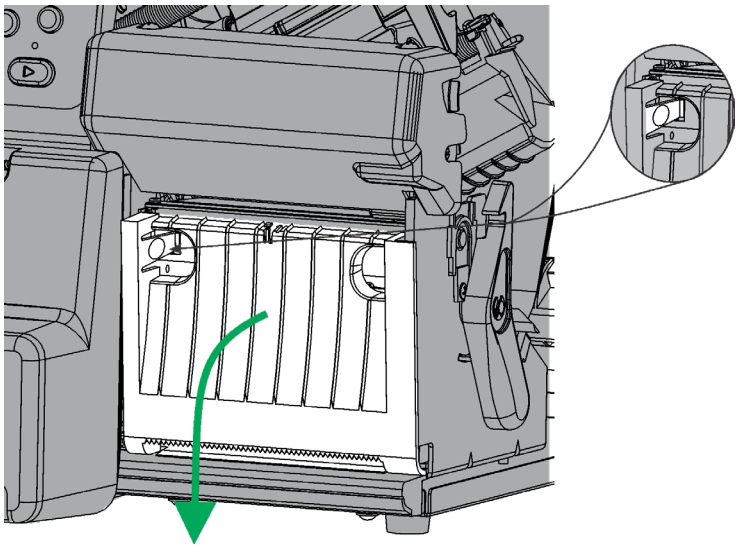
Set the printer for the expected operation before loading supply/ribbon and sending print jobs. See "Setting Supply Options" for more information. Standard die cut supplies (non-EcoCut) may be used with this printer, but you may need to remove the cutter cartridge. See "Removing the Cutter Cartridge" for more information. Black mark supplies are not supported.

1. Open the cover.
2. Turn the printhead latch to unlock the printhead.
3. Lift the printhead assembly until it locks into place.
4. Adjust the roll guides to fit your supply roll. The supply roll must move freely.
5. Place rolled supply on the supply holder. Continuous supply unrolls from the top.
6. Turn the supply lever to unlock the supply guides.
7. Feed the supply through the supply path and cutter. Tuck the supply under the nibs and die cut sensor.

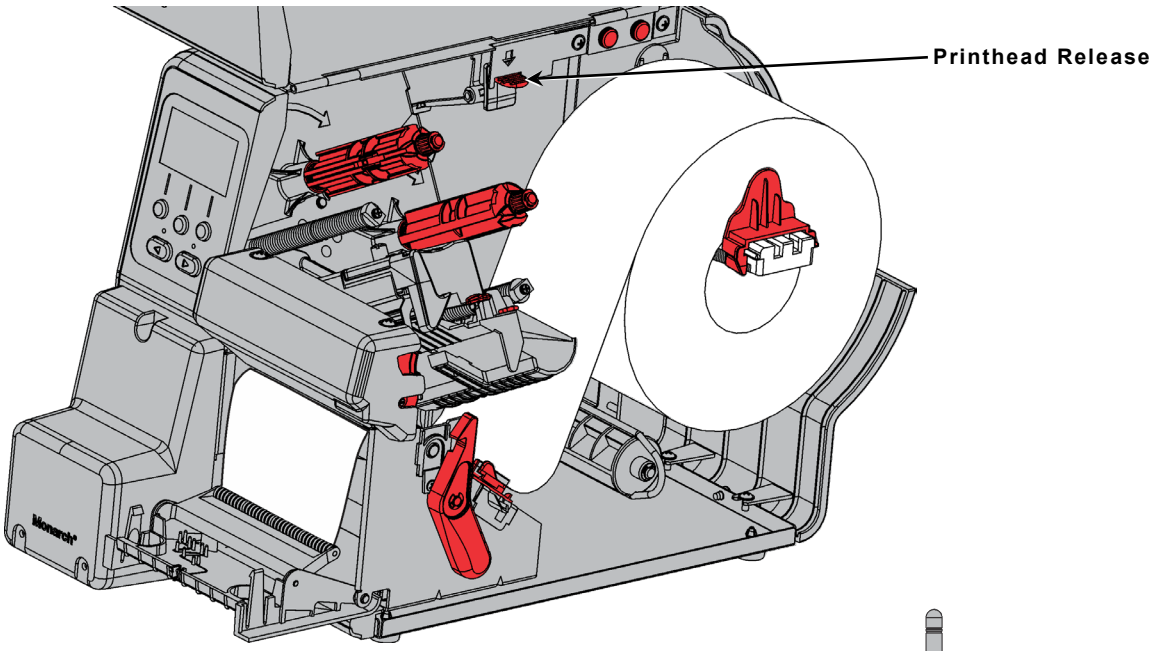


8. Adjust the supply guides so they barely touch the supply. Turn the supply lever up to lock it in place.

9. Using your fingers/thumbs, press the peel door tabs to open the printer's peel door.

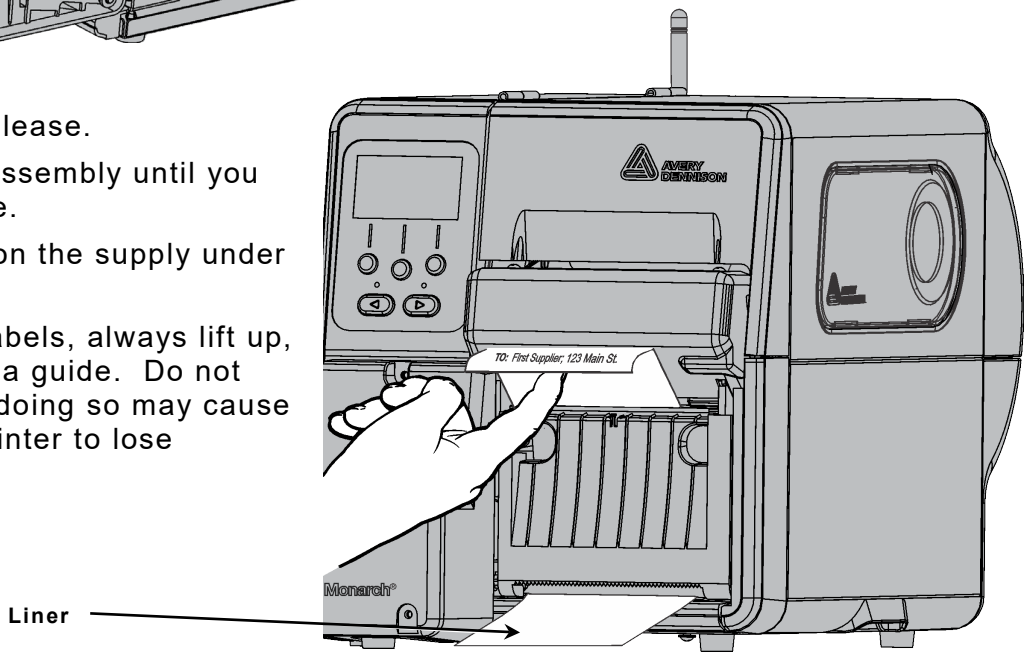


10. Feed the supply through the opening at the bottom of the peel door.



11. Close the peel door.
12. Push the printhead release.
13. Close the printhead assembly until you hear it click into place.
14. Press **FEED** to position the supply under the printhead.

When removing printed labels, always lift up, using the cutter cover as a guide. Do not pull the label to remove; doing so may cause the label to tear or the printer to lose registration.

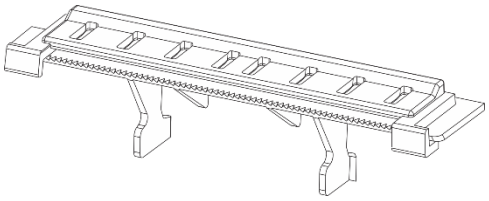


Loading Supply for Continuous (Non-Peel) Mode

Install the tear edge to use non-peel mode. Set the printer's feed mode to **Continuous** and the cut mode to **Cut each tag**. Batch separators are not supported.

How does the printer operate in non-peel mode?

- The printer cuts the supply in between each label and after the last label in the batch.
- When no more print jobs are in queue, the printer feeds the supply out for removal. Tear the supply (label and liner) down and across the tear edge.

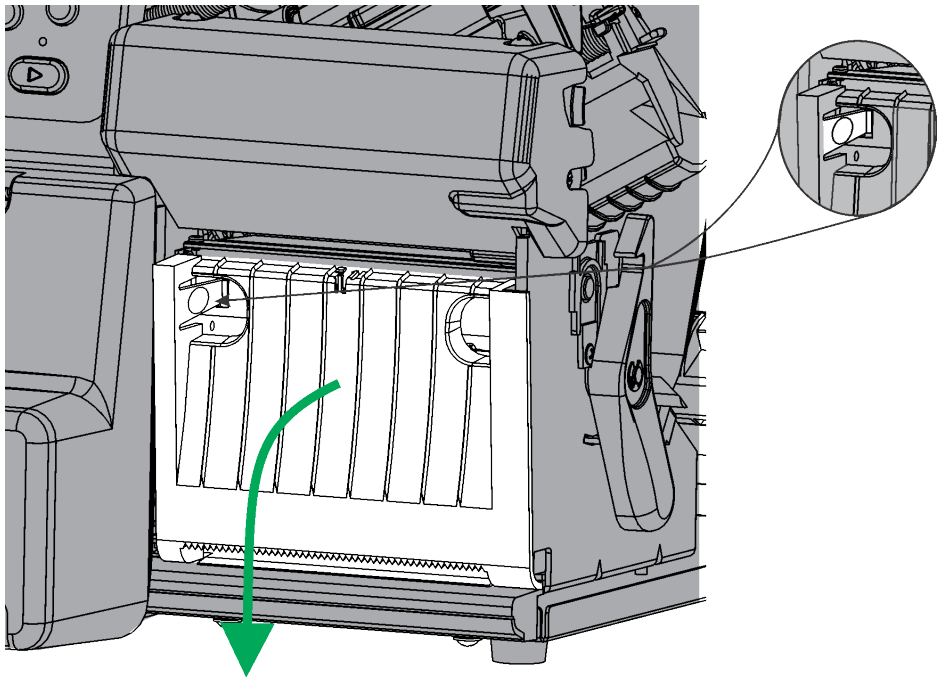


Tear Edge with the Supply Exit Guide attached

Installing the Tear Edge

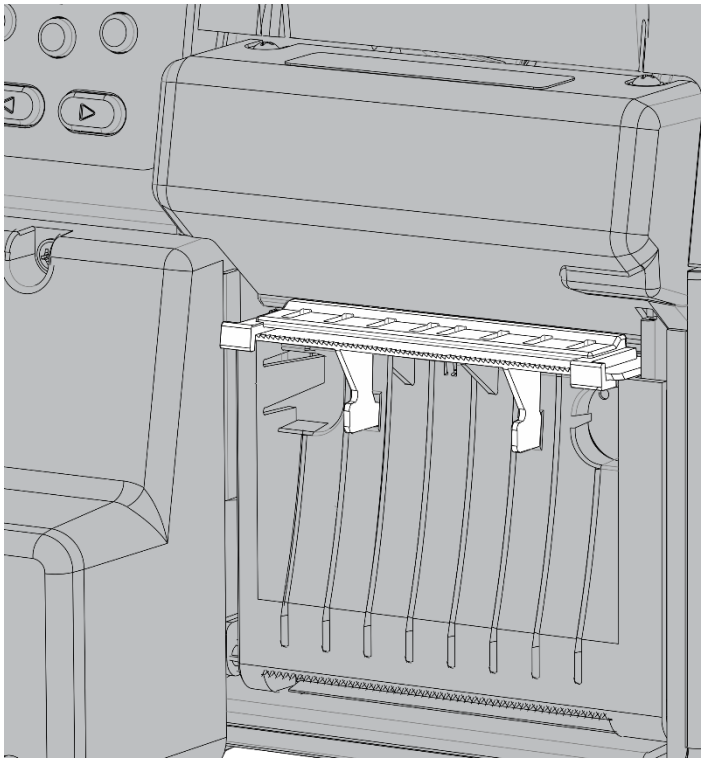
The tear edge is included with the printer's manual. The attached supply exit guide prevents supply curling.

1. Partially open the peel door by using your fingers/thumbs to press the peel door tabs.

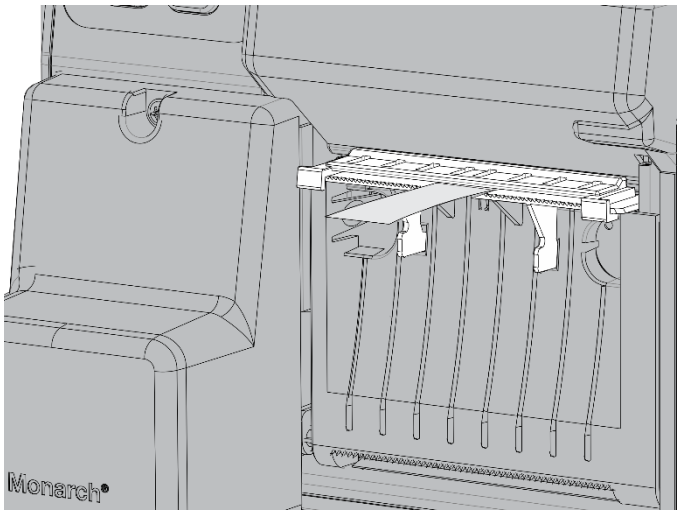


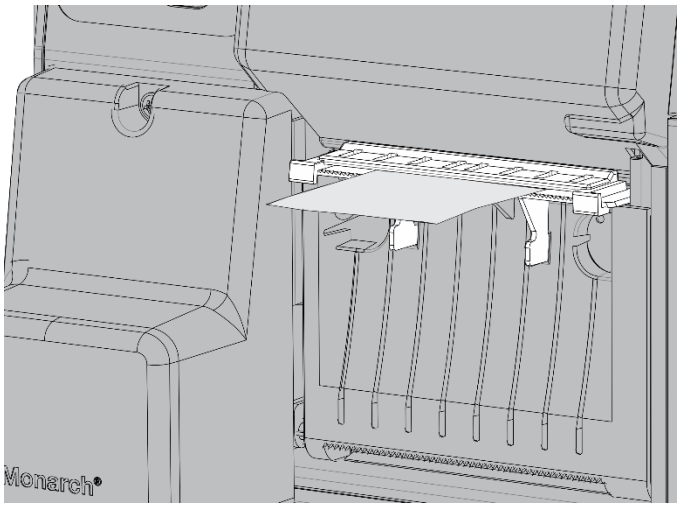
2. With teeth facing up, hook the back of the tear edge into the peel door.
3. Rotate the tear edge down and snap the support clips into place.

4. Close the peel door.



5. Follow steps 1 through 8 from “Loading Supply for On-Demand Mode (Peel Mode).”
6. Load the supply in between the supply exit guide and the tear edge as shown.



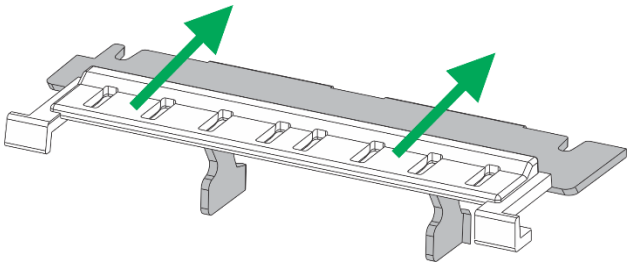


7. Push the printhead release.
8. Close the printhead assembly until you hear it click into place.
9. Press **FEED** to position the supply under the printhead.
10. Remove the strip of printed labels by tearing down and across the tear edge.

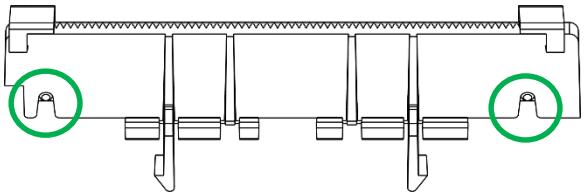
Attaching the Supply Exit Guide

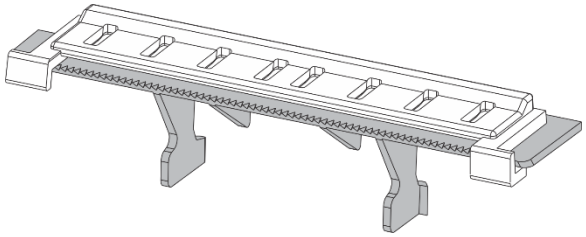
If the supply exit guide is not attached to the tear edge:

1. Slide the supply exit guide onto the tear edge as shown.



2. Make sure the circular tabs on the supply exit guide fit into the grooves on the tear edge.

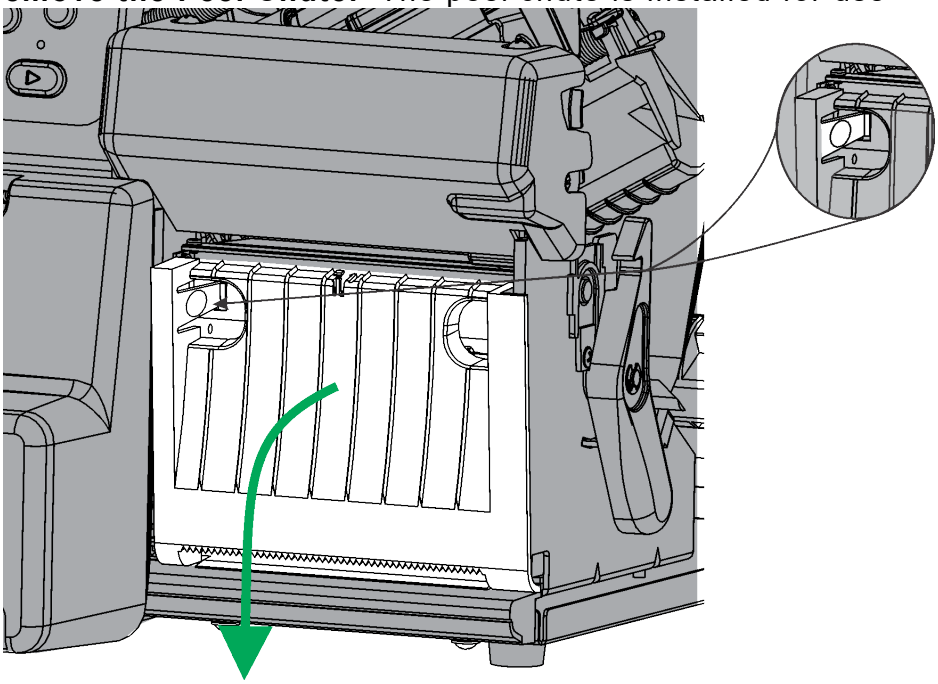


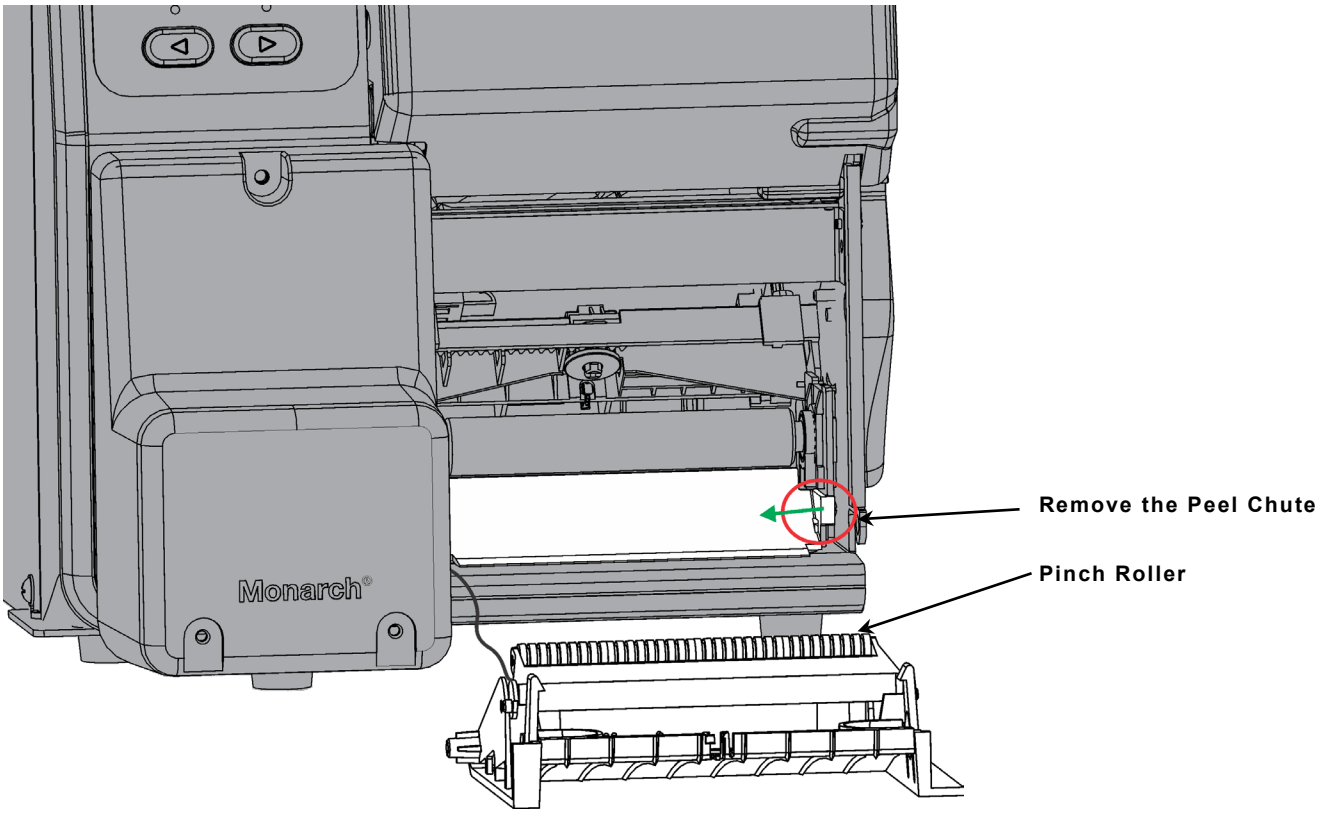


Removing the Peel Chute for Liner Take-Up

To use Internal Liner Take Up, remove the Peel Chute. The peel chute is installed for use with peel mode. It guides the liner out the bottom of the exit door. For internal liner take up, the liner needs to pass under the peel roller. The peel chute blocks this opening.

1. Using your fingers/thumbs, press the peel door tabs to open the printer's peel door.
2. Press in on the peel door hinges to remove it. **DO NOT** detach the cable.
3. Use your fingernail or flat head screwdriver to push in on the right side of the peel chute. Slide that end out and remove the chute.





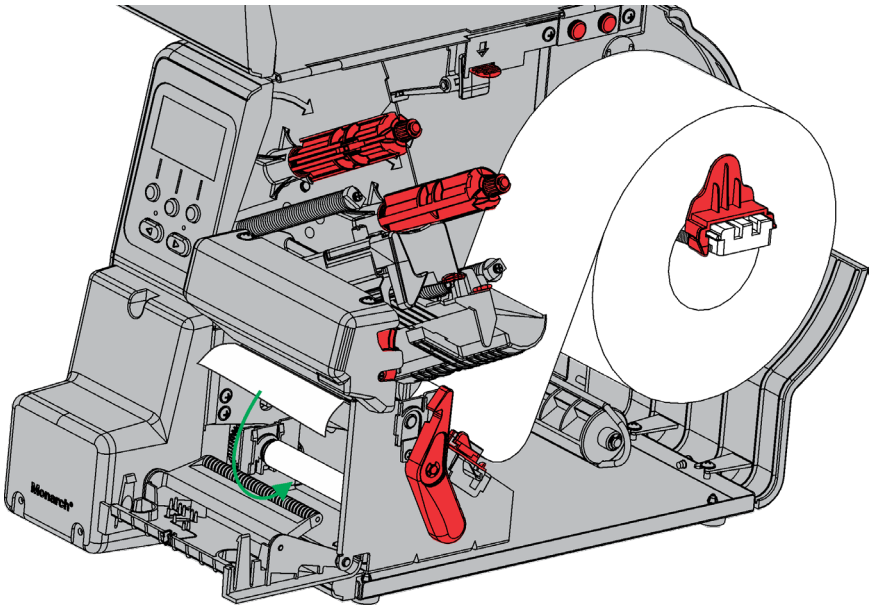
4. Reattach the peel door.

Loading Supply for Liner Take-up (Peel with Liner Take-Up) Mode

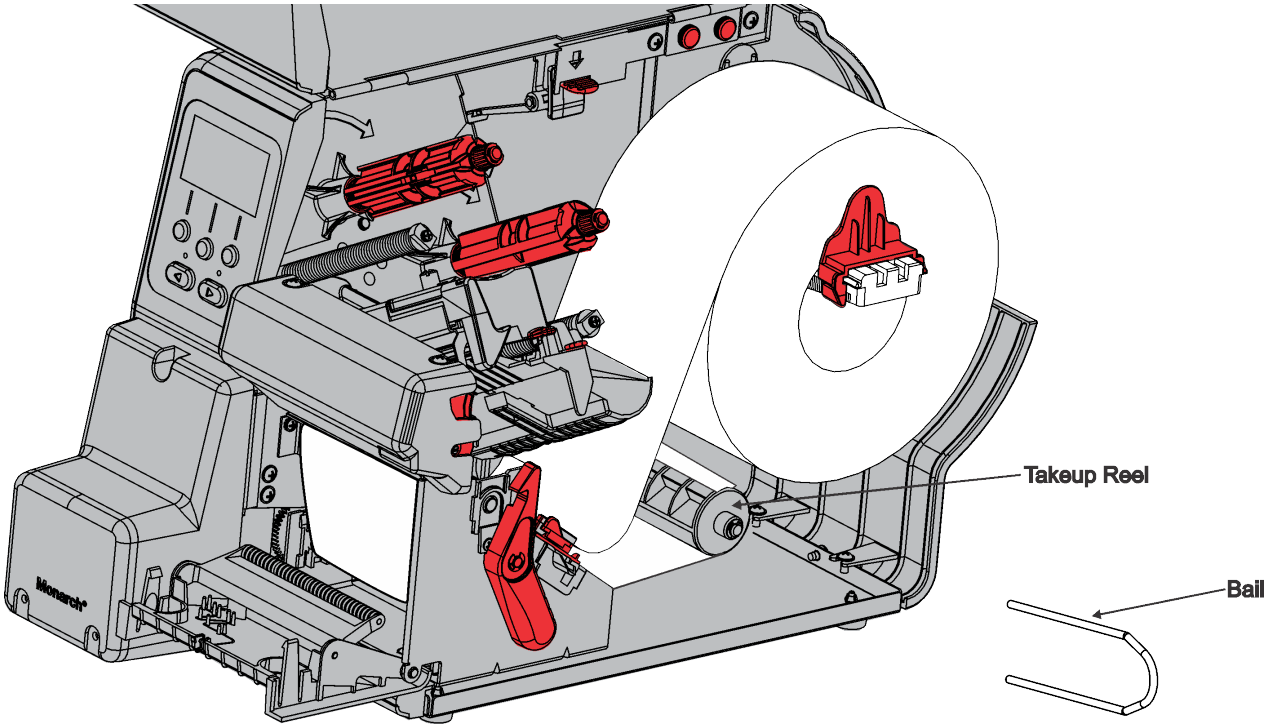
Remove the peel chute (if installed). See "Removing the Peel Chute for Liner Take-Up" for more information.

Set the printer for the expected operation before loading supply/ribbon and sending print jobs. See "Setting Supply Options" for more information.

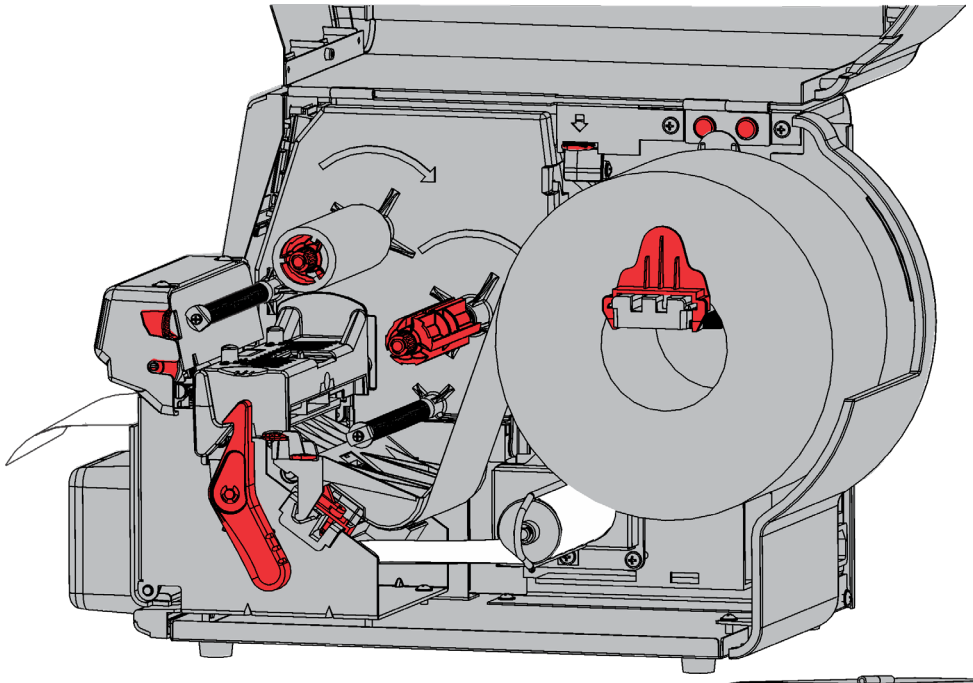
Load supplies for peel mode, leaving at least 18 inches of supply extending past the printhead.



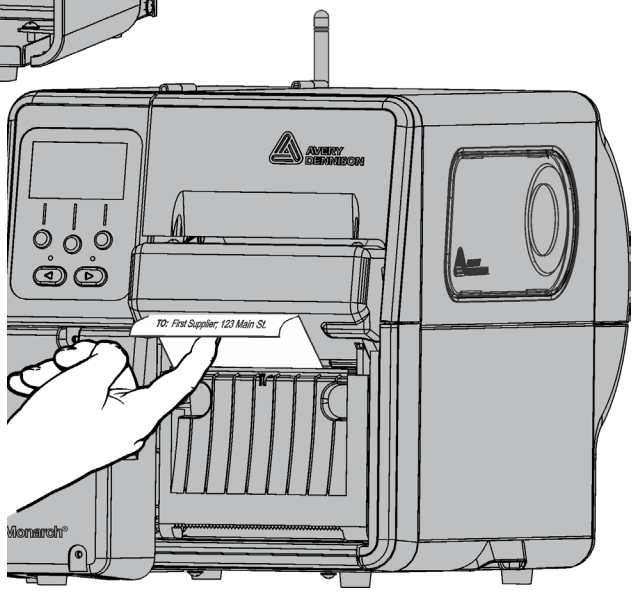
1. Unlock and lift the printhead assembly until it locks into place.
2. Feed the supply under the peel roller.
3. Remove the bail.
4. Wrap the supply around the take-up reel in a counter-clockwise direction.
5. Hold the supply while placing one end of the bail in a groove in the liner take-up reel. Gently rotate the bail counter-clockwise until the other end snaps into the corresponding groove.



6. Gently slide the bail all the way onto the reel.



7. Turn the reel counter-clockwise to remove any slack in the liner.
8. Close the printhead assembly until you hear it click in to place.
9. Close the peel door.
10. Press **FEED** to position the supply under the printhead.



When removing printed labels, always lift up, using the cutter cover as a guide.

Removing a Full Liner Take-Up Roll

The printer alerts you when the liner take-up reel is full. The liner take-up reel holds approximately half of a roll of liner.

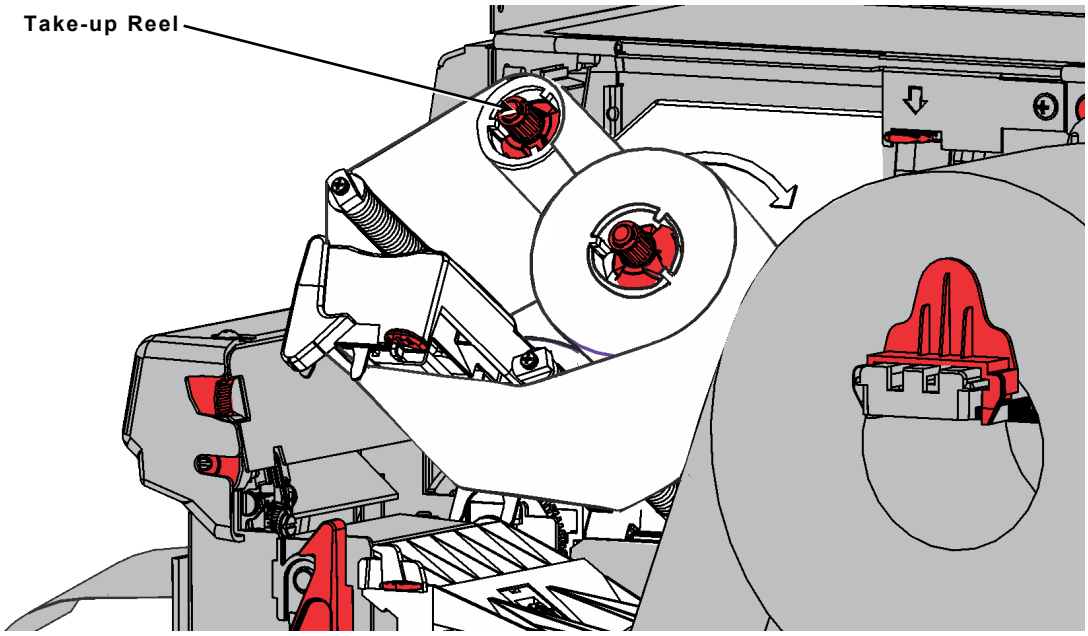
Note: The liner can be removed before the take-up reel is full.

1. Open the cover.
2. Turn the printhead latch to unlock the printhead. Lift the printhead assembly until it locks into place.
3. Open the peel door.
4. Gently pull the liner take-up bail off the liner take-up reel.
5. Use scissors to cut the liner in front of the take-up reel.
6. Remove the liner from the take-up reel.
7. Reload supply and continue printing.

Loading a Ribbon

Note the ribbon loading as shown.

Rotate the take-up reel until any wrinkles are past the printhead. The ribbon must be straight and centered throughout the path.



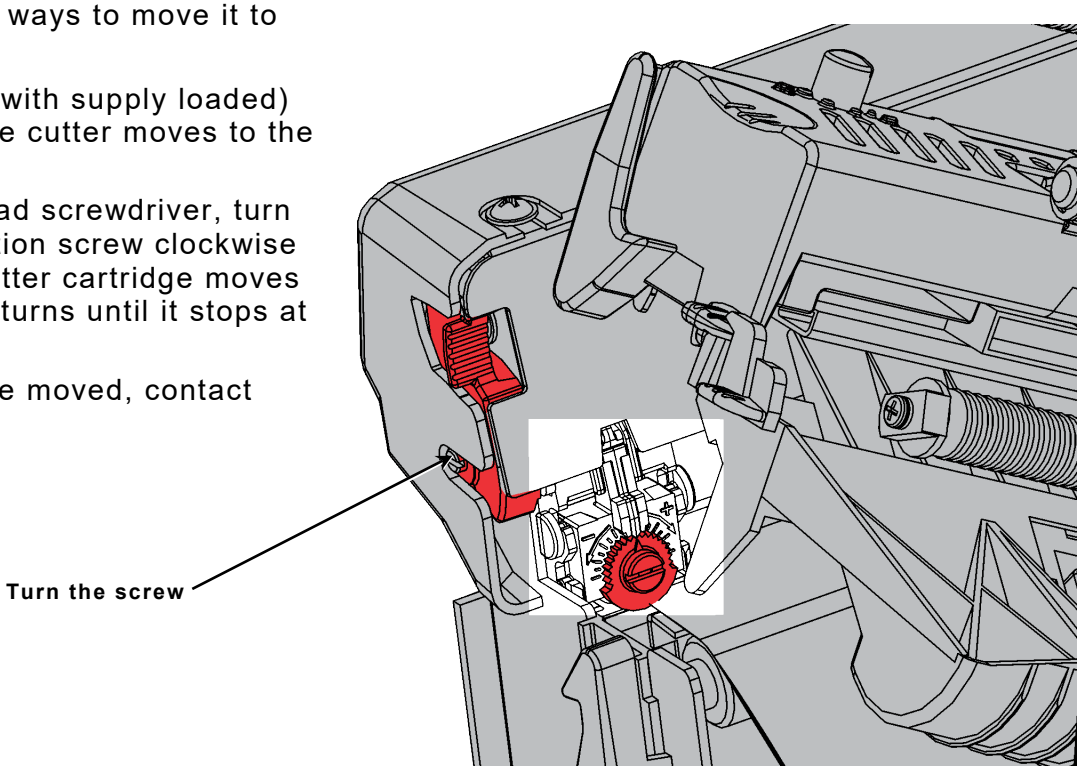
Moving the Cutter to the Home Position

Check to see if the cutter is at the “home” position (near the printhead latch).

If it is not, there are two ways to move it to the “home” position:

- Close the printhead (with supply loaded) and press **FEED**. The cutter moves to the home position.
- Using a small flat-head screwdriver, turn the cutter home position screw clockwise until it stops. The cutter cartridge moves slightly as the screw turns until it stops at home.

  If the cutter cannot be moved, contact Technical Support.



Clearing a Cutter Jam

If supply jams in the cutter, the display turns red and you see error 759.

1. Press **Escape** to clear the error. If supply is jammed under the cutter cartridge, manually move the cutter: Using a small flat-head screwdriver, turn the cutter cartridge's screw clockwise or counter-clockwise until it is away from the jammed supply.
2. Clear the supply path to remove jammed supply out of the cutter.

Caution: **Do not** place your fingers near the cutter's blade.

3. Clean the supply path if you notice adhesive build-up. See "Cleaning Adhesive from the Supply Path" for more information.

Cleaning Adhesive from the Supply Path

Clean the printer's supply path regularly (approximately every 60,000 inches) or whenever adhesive build-up is present. The printer prompts every 60,000 inches as a reminder to clean the supply path. Only clean the cutter while the printer is idle (no active print jobs).

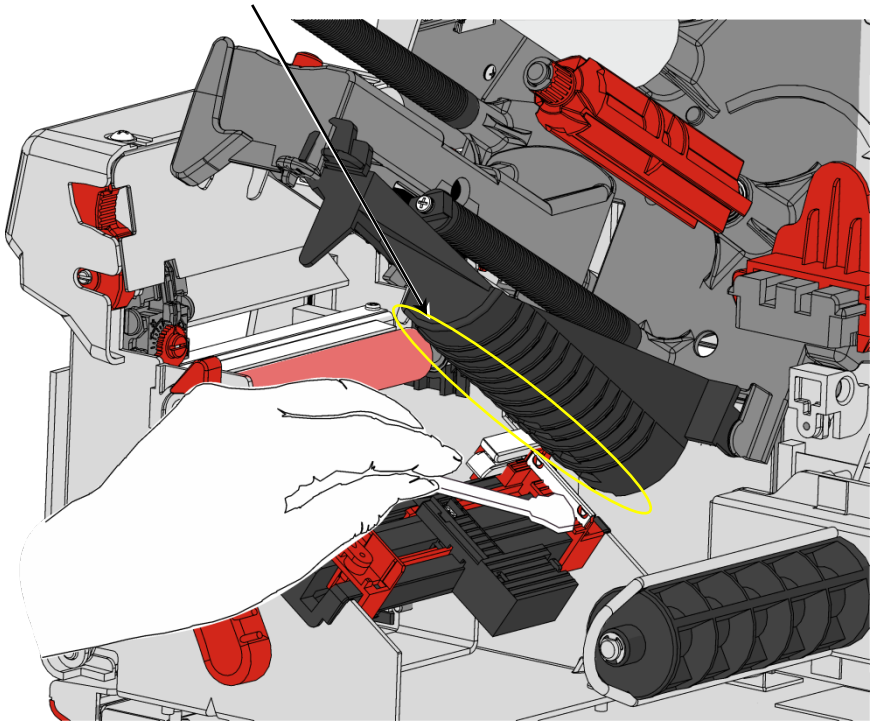
Adhesive build-up occurs on the

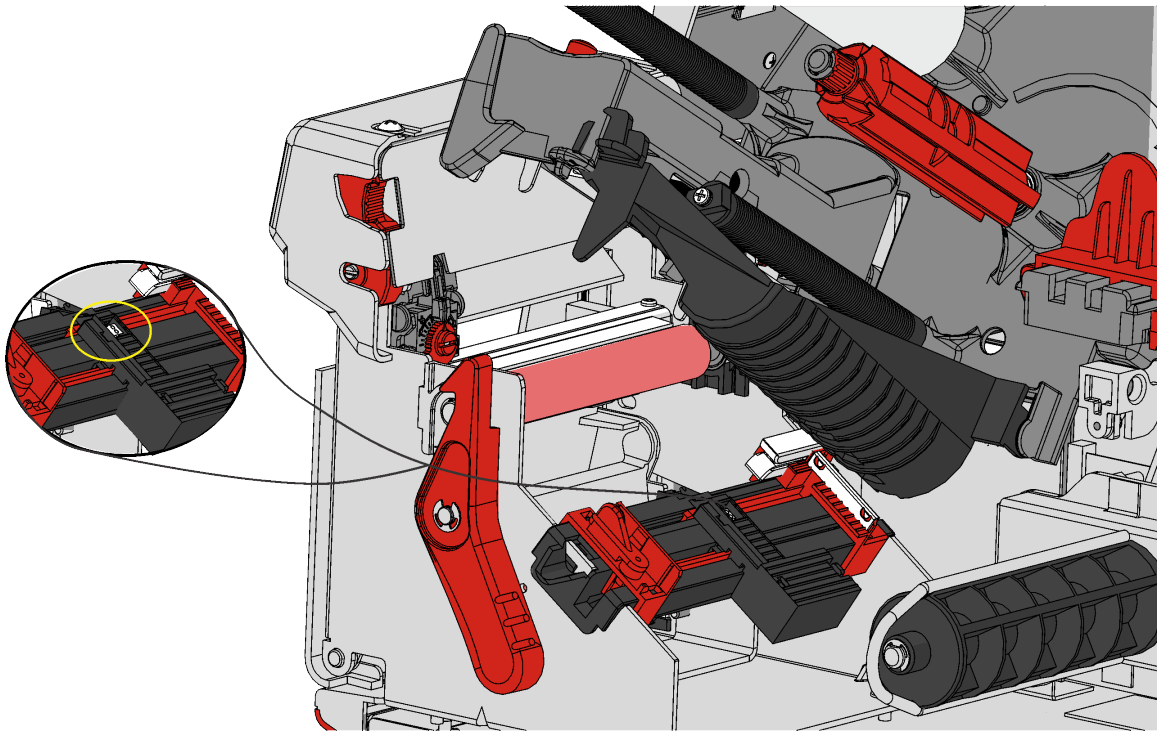
- edges of the inner supply guides
- sensors
- peel bar/cutting anvil
- bottom of the ribbon deflector.
- cutter blade and depth control roller

To clean the printer's supply path:

1. Open and remove the adhesive remover wand (132839) from the package. Do not touch the foam end of the wand.
2. Use the foam end of the wand to dampen the inner edges of the supply guides, sensor, and underneath the ribbon deflector.

Adhesive build-up area

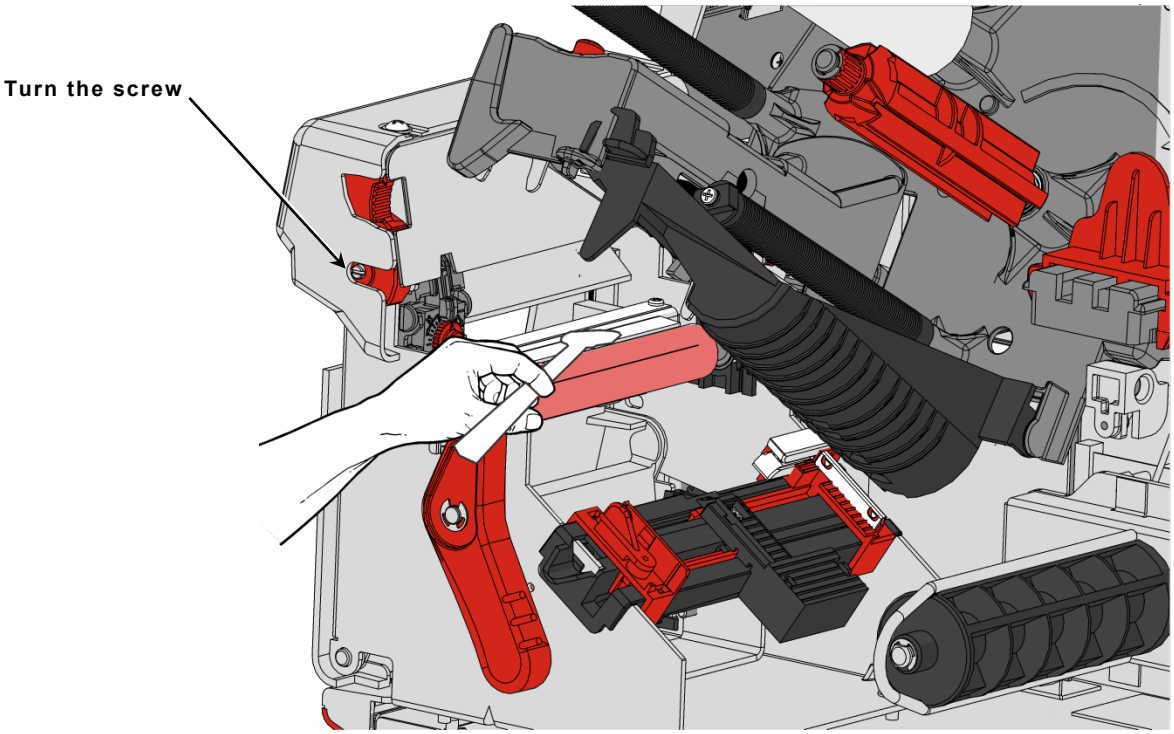




3. Use the plastic end of the adhesive remover wand to scrape off the loosened adhesive. Collect the adhesive with a cotton cloth and discard.
4. Let the printer dry and reload supplies.

Cleaning the Anvil

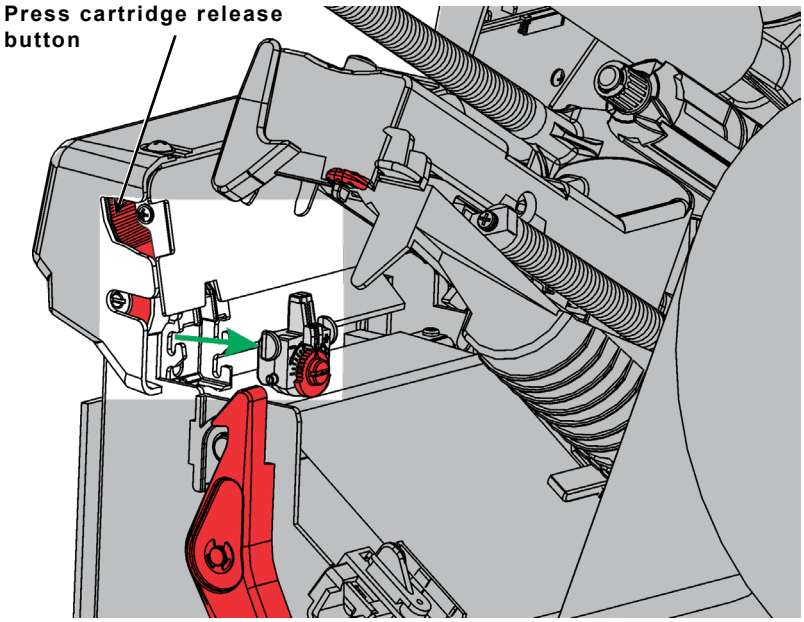
Use the foam end of the adhesive wand to dampen the outer edges of the anvil. Make sure the entire anvil is clean. Using a small flat-head screwdriver, turn the cutter cartridge's screw clockwise or counter-clockwise to move the cutter cartridge out of the way and clean the anvil's other side.



Removing the Cutter Cartridge

To remove the cutter cartridge:

1. Open the printer's cover.
2. Make sure the cutter is at the home position. If it is not, see "Moving the Cutter to the Home Position," for more information.
3. Turn the printhead latch to unlock the printhead.
4. Lift the printhead assembly until it locks into place.
5. Press and hold the cartridge release button while pulling out the cutter cartridge.



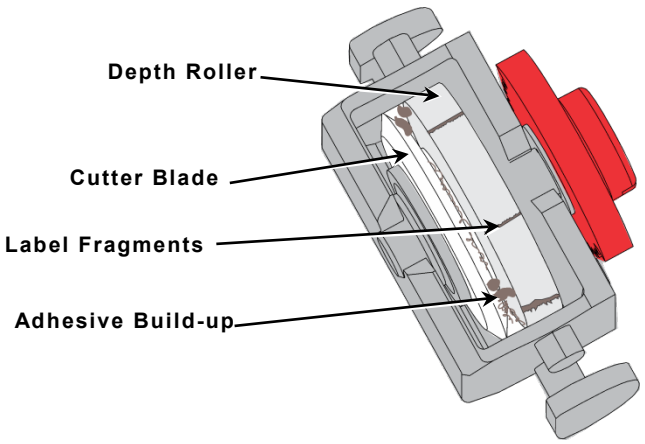
Cleaning the Cutter's Blade and Depth Roller

Adhesive build-up (shown in brown) may occur between the cutter's blade (shown in white) and depth roller (shown in light gray). Label fragments (shown in brown) may stick to the depth roller and may cause uneven cuts or skips in the cut. Clean the cutter's blade and depth roller when prompted to clean the sensor.

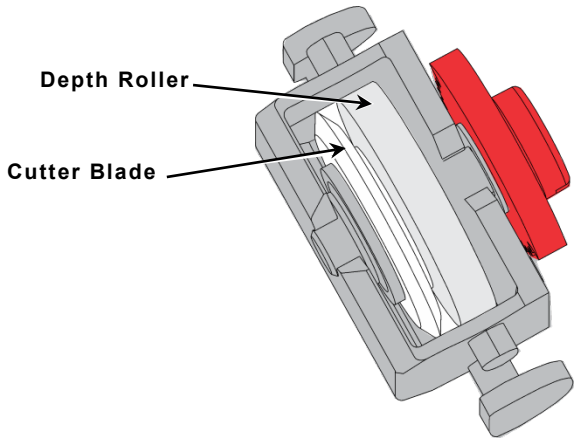
Remove the cutter cartridge to clean the cutter's blade and depth roller. See "Removing the Cutter Cartridge" for more information.

Use isopropyl alcohol on a cotton swab to clean any adhesive on the cutter's blade, depth roller, and in between the blade and depth roller. Carefully turn the blade and depth roller with your finger to make sure they are clean all the way around.

Adhesive Build-up and Label Fragments

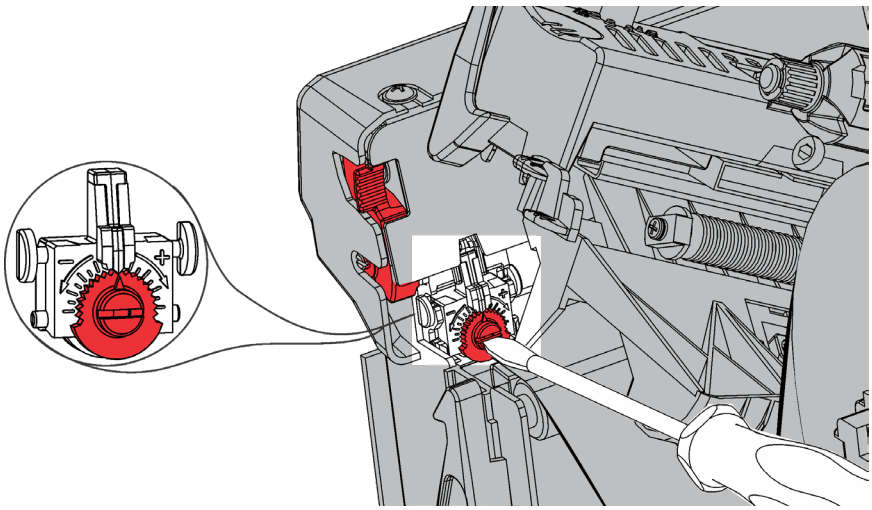


After Cleaning



Adjusting the Cut Depth

If the cutter is cutting too deep or not deep enough, adjust the cut depth. Adjust for clean cuts without cutting into or through the liner. Make small adjustments, then print and cut a few labels. If the cutter cuts through the liner, make further adjustments.



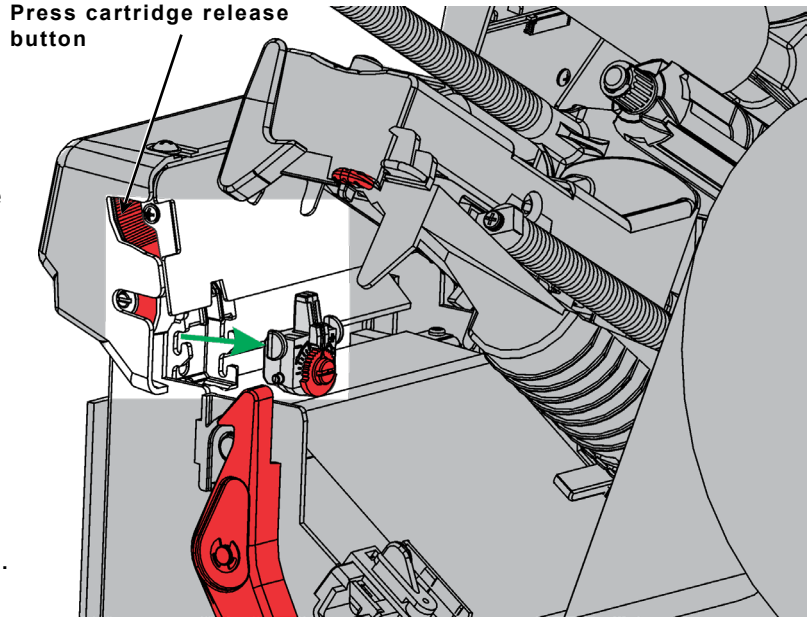
1. Open the printer's cover.
2. Check to see if the cutter is at the home position. If it is not, see "Moving the Cutter to the Home Position," for more information.
3. Turn the printhead latch to unlock the printhead.
4. Lift the printhead assembly until it locks into place.
5. Use a flat-head screwdriver to adjust the cut depth dial:
   - Turn the dial counter-clockwise to decrease the cut depth.
   - Turn the dial clockwise to increase the cut depth.
6. Adjust one "click" at a time and test the cut. Make further adjustments if necessary.

Replacing the Cutter Cartridge

When the cutter is not getting a clean cut or is not cutting deep enough it may need to be replaced. Before replacing, review the recommended cleaning procedures and/or adjust the cut depth. If those solutions do not solve the problem, replace the cutter cartridge (part number 132643).

We recommend replacing the cutter cartridge every one million cuts. Contact your Avery Dennison Representative to purchase a new cutter cartridge.

To replace the cutter's cartridge:



1. Open the printer's cover.
2. Check to see if the cutter is at the home position. If it is not, see "Moving the Cutter to the Home Position," for more information.
3. Turn the printhead latch to unlock the printhead.
4. Lift the printhead assembly until it locks into place.
5. Press and hold the cartridge release button while pulling out the cutter cartridge.

To insert a new cutter cartridge:

Press and hold the cartridge release button while inserting the cutter cartridge.

Troubleshooting

Contact your System Administrator if you cannot clear an error.

Error	Action
758	Check for a label jam, clear the supply path, or reload supplies. This error may occur if you remove a label too quickly in the on-demand mode. The on-demand sensor may not be connected or needs to be replaced. Call Technical Support.
759	Cutter is not moving. Call Technical Support.
760	Check cutter. Call Technical Support.
785	The internal liner take-up reel is full. Remove the liner take-up reel and dispose of the liner. Reload supplies and press **ENTER** to continue printing.

Supply Specifications

The limited warranty on the cutter cartridge is one (1) year from the date of shipment or one million cuts, whichever occurs first. The 1,000,000 cuts is only warranted with use of Avery Dennison-approved supplies. Contact your Avery Dennison Representative for more information about EcoCut supplies.

Supply Widths: 1.0 inches (25 mm) minimum
4.0 inches (101.6 mm) maximum

Cut Lengths: 1.20 inch (30.5 mm) minimum
6.0 inches (152 mm) maximum

Supply Thickness: **Liner:** 1.5 mils to 2.5 mils
Label: 2.0 mils to 3.5 mils

Note: The EcoCut printer can use die cut supplies for non-cutting applications. Black mark supplies are not supported.