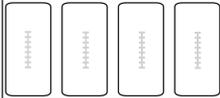


Installation Instructions for the ZT231 Printer

Read these instructions thoroughly before installing this kit.

Parts List

Before proceeding, verify that your kit contains the following items. To reorder specific parts, navigate to zebra.com/parts, and select your printer model.

RFID assembly		Qty 1
RFID cable		Qty 1
Screw: Hexalobular Pan Washer Mach M3x10	  T10	Qty 2
RFID badge		Qty 1
RFID serial number label		Qty 1
RFID test labels		

Tools Needed

-  Hexalobular (6-lobe, star) keys, drivers, or bits
- Sorting bin for screws and small parts (optional)

Prepare for Installation



IMPORTANT: Retain all parts removed during disassembly, unless otherwise directed.

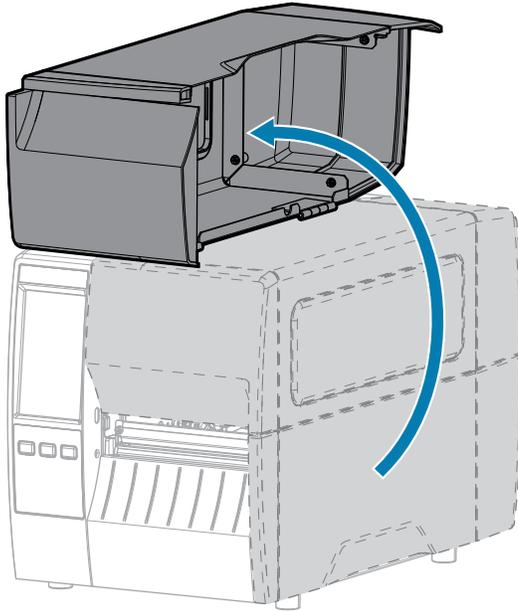


NOTE: Observe proper electrostatic safety precautions when handling static-sensitive components such as circuit boards and printheads.

1. Turn off the printer and disconnect it from the power source.
2. Disconnect all data cables.



3. Open the media cover.



4. Remove media and ribbon (if used).

Check the Printhead Part Number

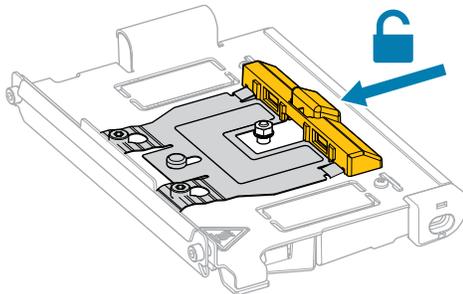
For optimal performance with RFID labels shorter than 38 mm (1.5 in.), the printer should be equipped with a printhead with part number ending with -12 or higher.

You can check the printhead part number in two ways: by SGD command or by looking at the label on the printhead. To use SGD, run the following command:

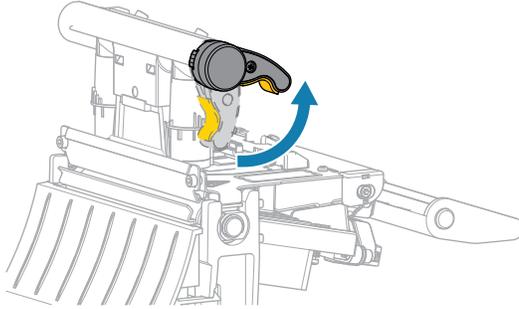
```
! U1 getvar "device.serial_numbers.printhead"
```

Alternatively, remove the printhead from the printer and look at the label on top.

1. Connect yourself to an antistatic device.
2. Slide the printhead latch forward to the unlocked position.

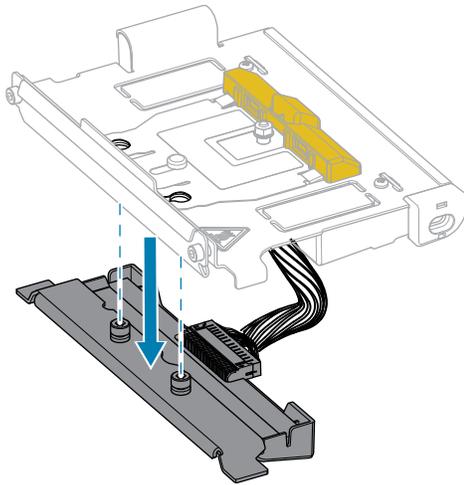


3. Release the printhead assembly.

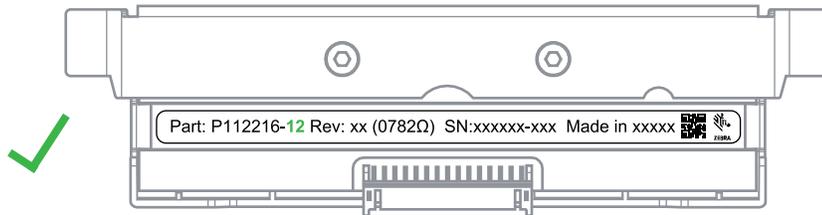
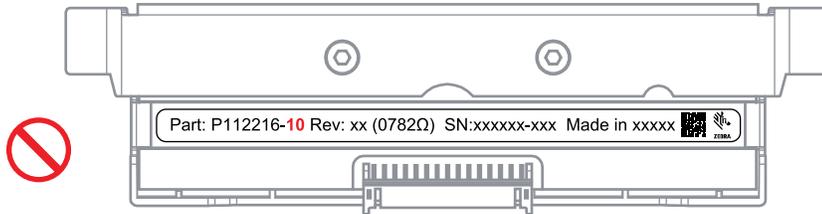


As the printhead lever rotates upward, the printhead assembly pivots upward.

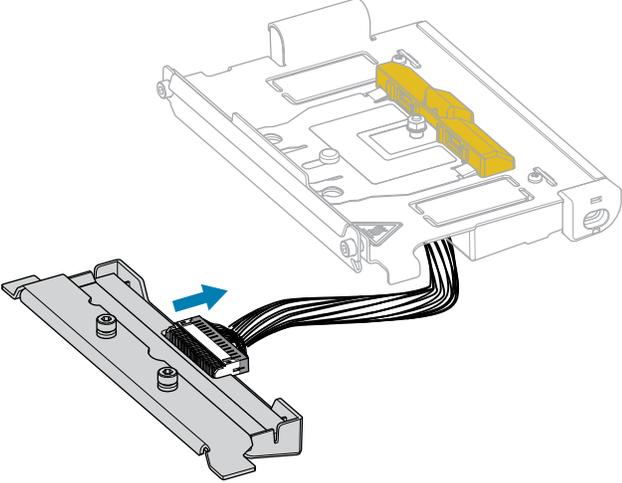
4. Pull the printhead from the upper print mechanism.



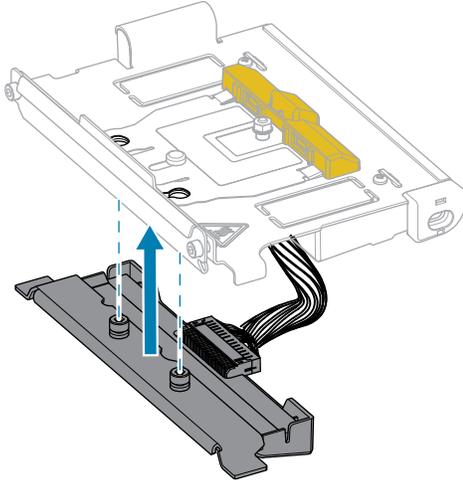
5. On top of the printhead, view the printhead part number.



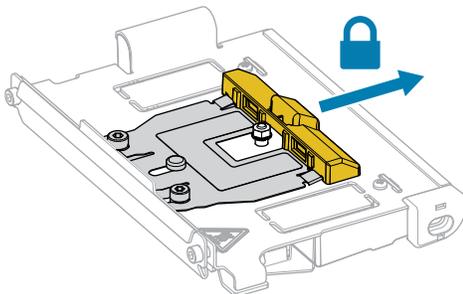
If the printhead part number ends in...	Then...
-12 or higher	Continue with the next step to reinstall the existing printhead.

If the printhead part number ends in...	Then...
-10	<p>Replace the printhead with a later version.</p> <ol style="list-style-type: none"> Disconnect the printhead cable from the old printhead.  <ol style="list-style-type: none"> Connect the printhead cable to the new printhead. Continue with the next step.

- Slide the printhead into the print mechanism, assuring that the printhead locking posts go into the printhead latch holes.



- While holding the printhead in place, slide the printhead latch back to the locked position.



8. Clean the printhead.

- a) Using the swab from the Preventive Maintenance Kit (p/n 47362 or p/n 105950-035 for a multipack), wipe the print elements (gray strip) from end to end. In place of this kit, use a lint-free cloth dipped in 99.7% isopropyl alcohol.
- b) Allow the solvent to evaporate.

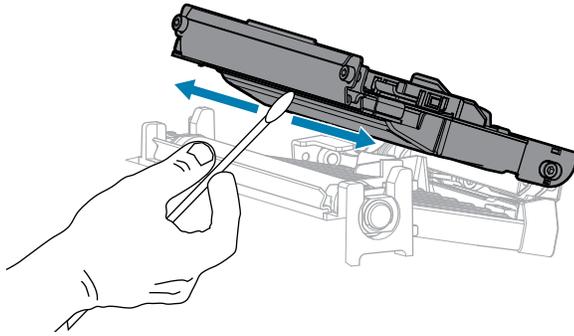


Table 1 Which Option Does Your Printer Have Installed?

If your printer has this option...	Then...
Tear (Standard)	Go to Install the RFID Module with the Tear Option (Standard) on page 5.
Peel or Liner Take-Up	Go to Install the RFID Module with the Peel or Liner Take-Up Option on page 32.
Cutter	Go to Install the RFID Module with the Cutter Option on page 57.

Install the RFID Module with the Tear Option (Standard)

Follow the instructions in this section if your printer has the Tear option (standard).

Table 2 Are you replacing an existing RFID module?

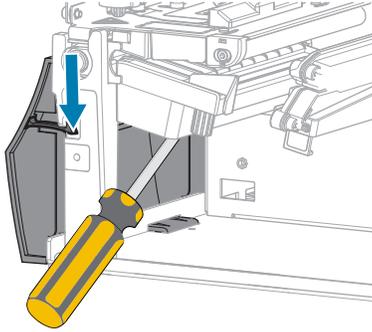
If...	Then...
No	Go to Install a New RFID Module with the Tear Option on page 6 .
Yes	Go to Replace an Existing RFID Module with Tear Option on page 19.

Install a New RFID Module with the Tear Option

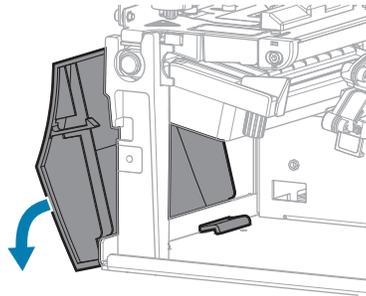
Follow the instructions in this section to install an RFID module in a printer that did not have one previously.

Remove the Tear Lower Front Panel

1. Release the tear lower front panel by pushing down the two tabs that secure it to the printer. Use a flat-blade screwdriver to push down the inner tab.



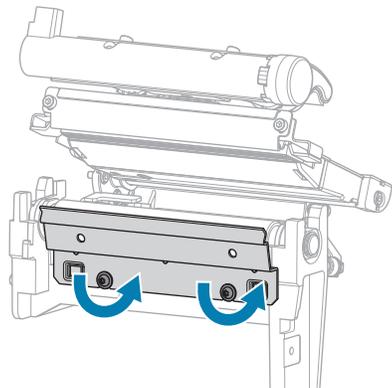
2. Tip the top of the tear lower front panel away from the printer until the mounting tabs separate from the mounting slots.



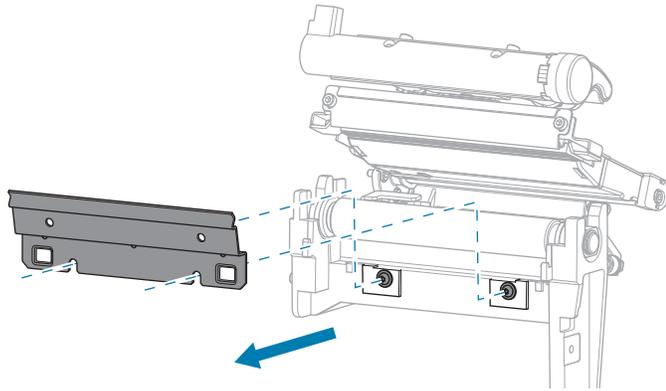
3. Remove the tear lower front panel from the printer.

Remove the Tear Bar

1. Loosen the two  T10 mounting screws that secure the tear bar to the printer.

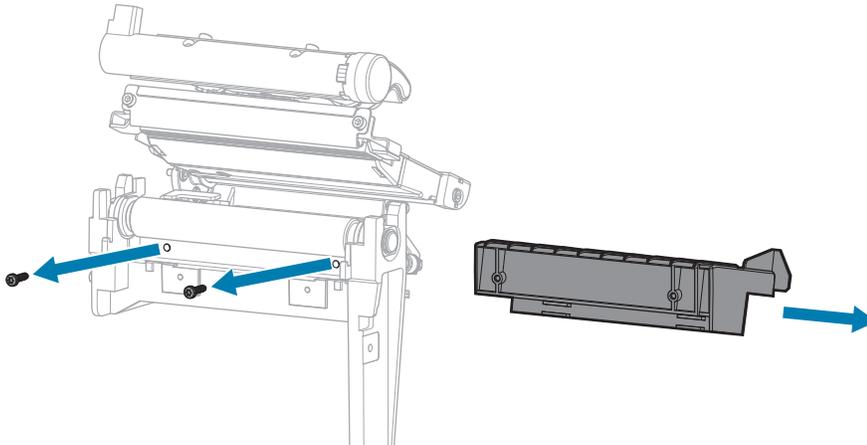


2. Lift the tear bar from the mounting screws, and remove it from the printer.

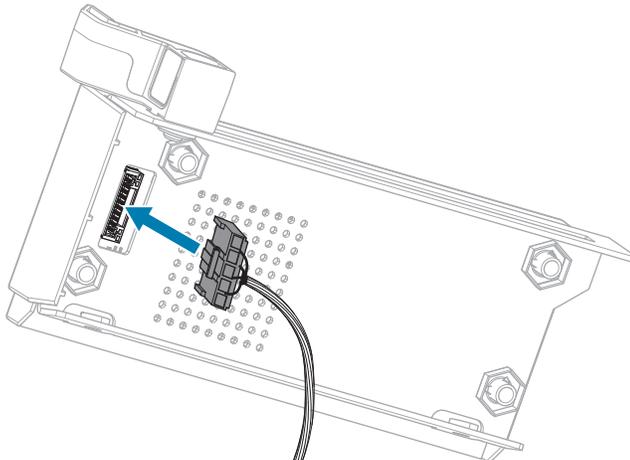


Replace the Media Guide Assembly with the RFID Module

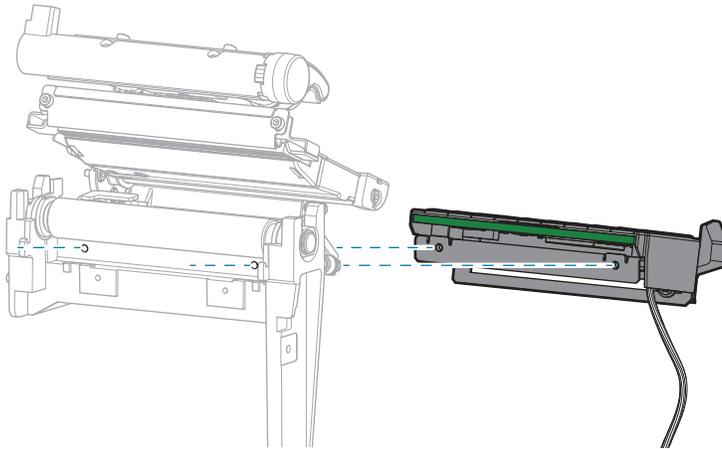
1. Remove the two  T10 mounting screws that secure the media guide assembly to the printer, and then remove the media guide assembly.



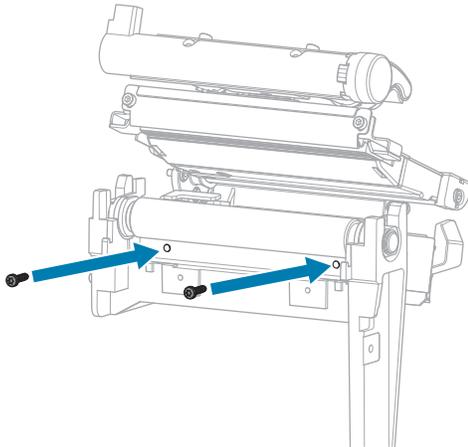
2. Connect the RFID cable to the underside of the RFID module.



-
3. Align the holes on the front of the RFID module with the holes for the mounting screws.

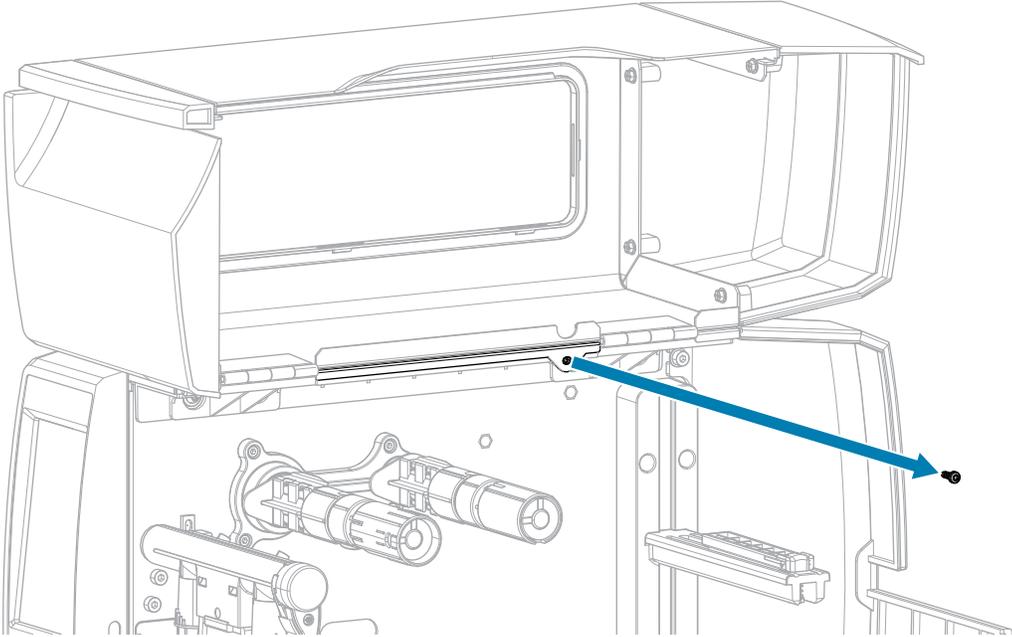


4. Secure the RFID module to the printer using two  T10 mounting screws.

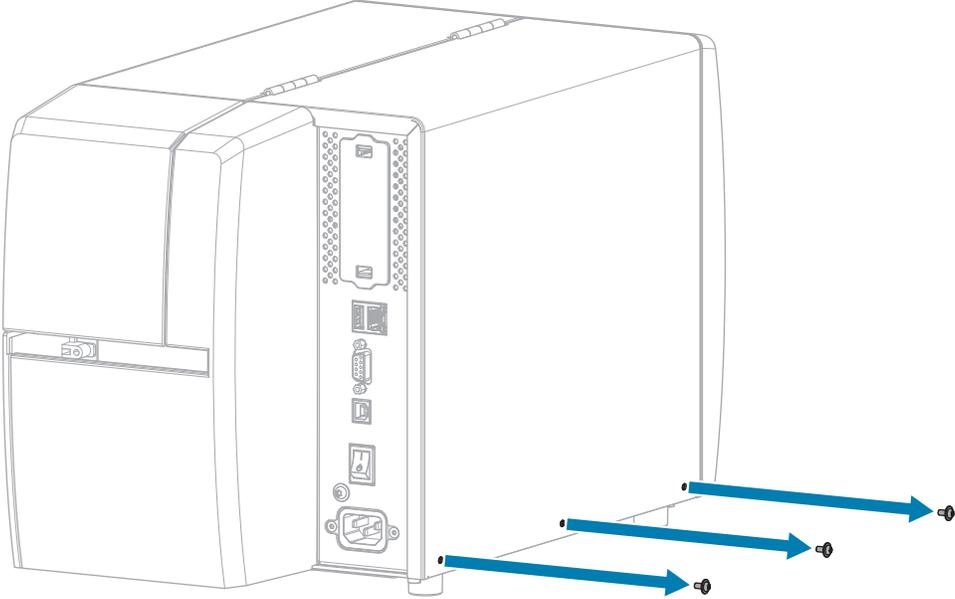


Remove the Electronics Cover

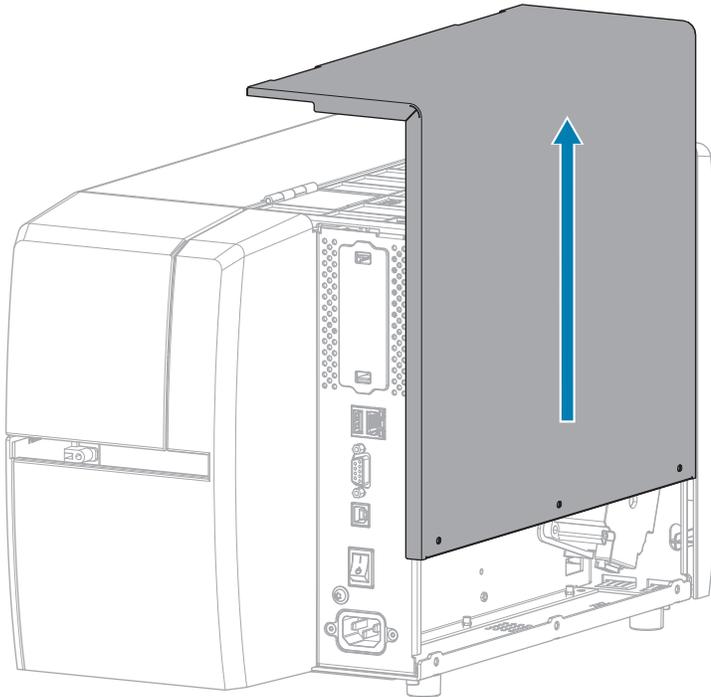
- 1. Remove the T10 screw that secures the electronics cover to the media side of the printer.



- 2. Remove the three T10 screws that secure the electronics cover to the electronics side of the printer.



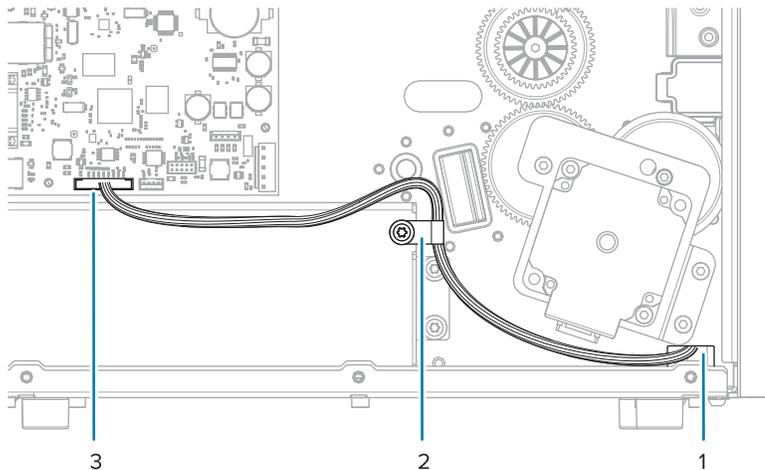
3. Lift the electronics cover off of the printer.



Connect the RFID Cable to the MLB

Route the RFID cable from the media side of the printer and connect it to the Main Logic Board (MLB).

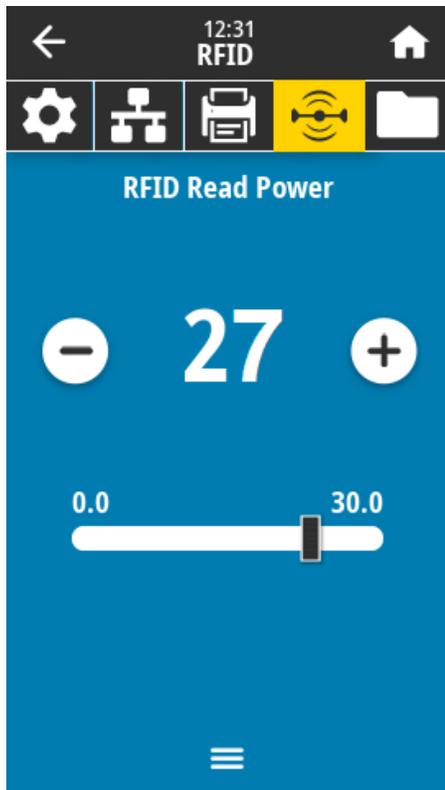
- a) Thread the end of the RFID cable through the hole (1) from the media side of the printer.
- b) Remove the  T20 screw that secures the wire routing clip (2) to the power supply.
- c) Run the RFID cable through the clip.
- d) Secure the clip to the power supply.
- e) Connect the RFID cable to J2 (3) on the MLB.



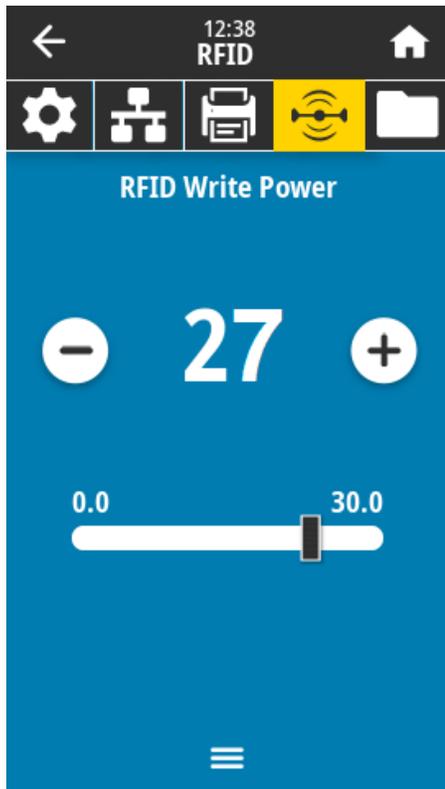
Verify Operation of the RFID Module

Complete this section if you only have the RFID test labels from the RFID kit available. If you have your own RFID labels, use them and the RFID wizard (**Home > Wizards > RFID**) to verify operation.

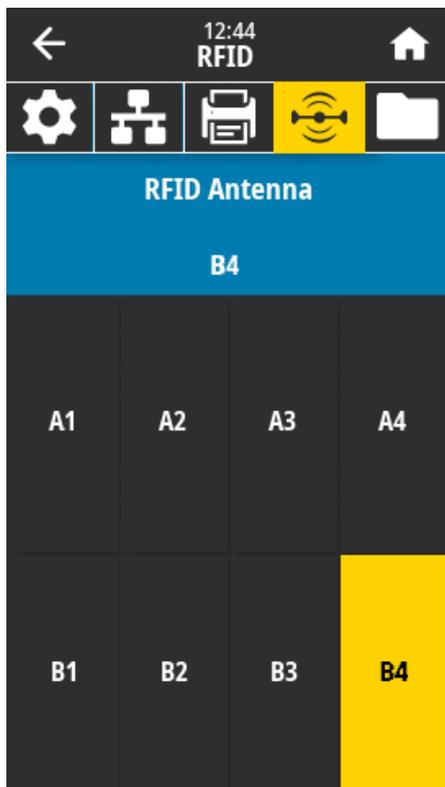
1. Reconnect the AC power cord.
2. Turn on the printer.
3. If prompted for the RFID country code, select the appropriate value.
4. Use the control panel to go to **RFID > Read Power** and set the value to **27**.



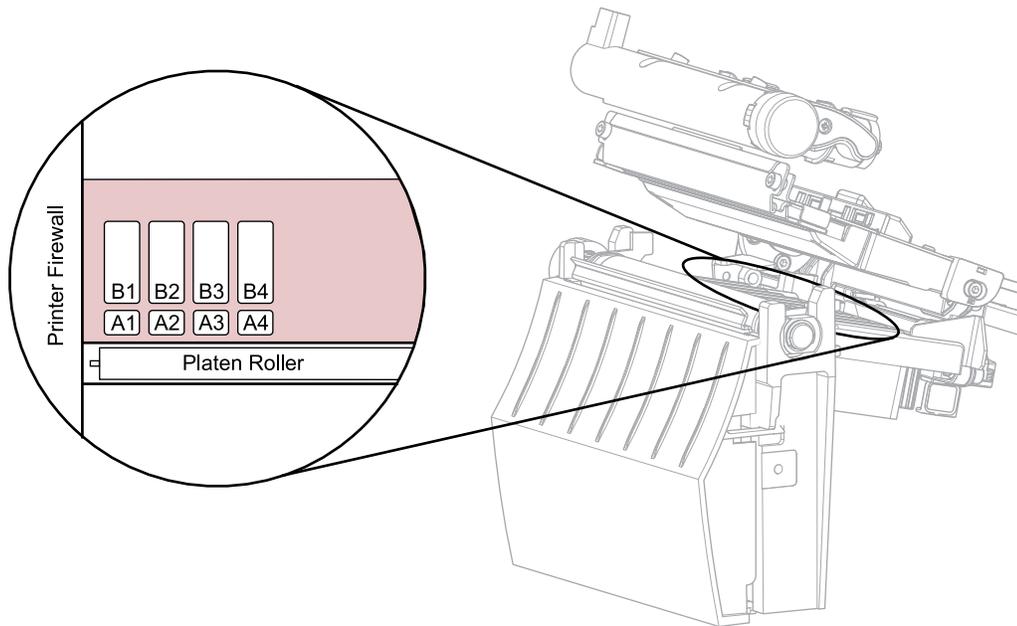
5. Go to **RFID > Write Power** and set the value to **27**.



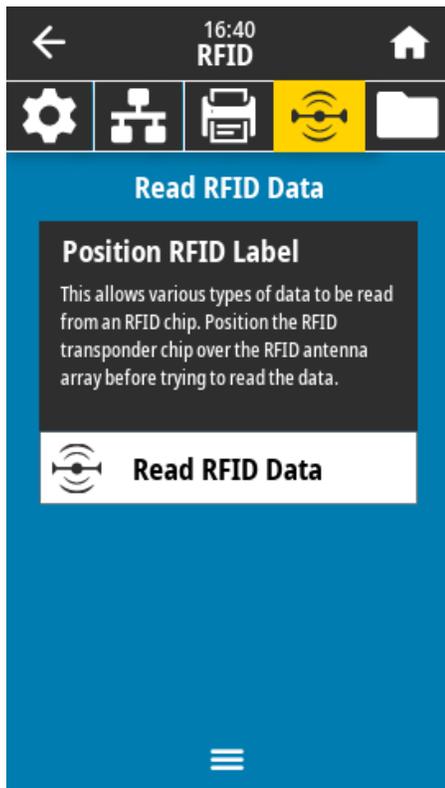
6. Go to **RFID > RFID Antenna** and select **B4**.



7. Position an RFID test label over the RFID antenna array so that the transponder is positioned over the antenna elements.

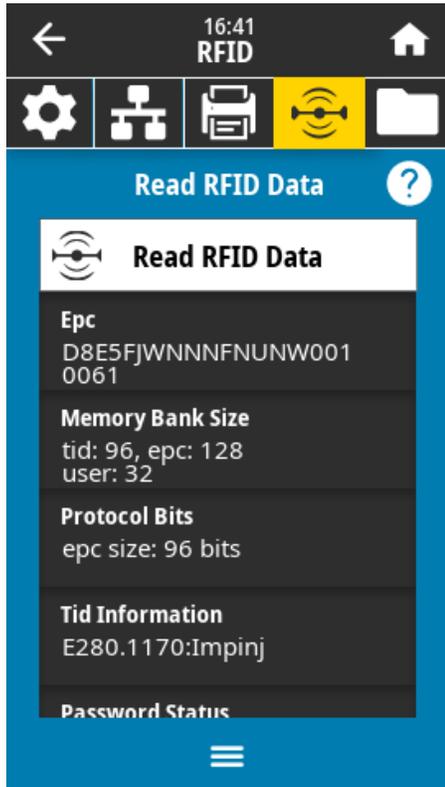


8. Use the control panel to go to **RFID > Read RFID Data**.



9. Touch **Read RFID Data**.

If the reader is installed correctly, the printer displays the data from the RFID test label.

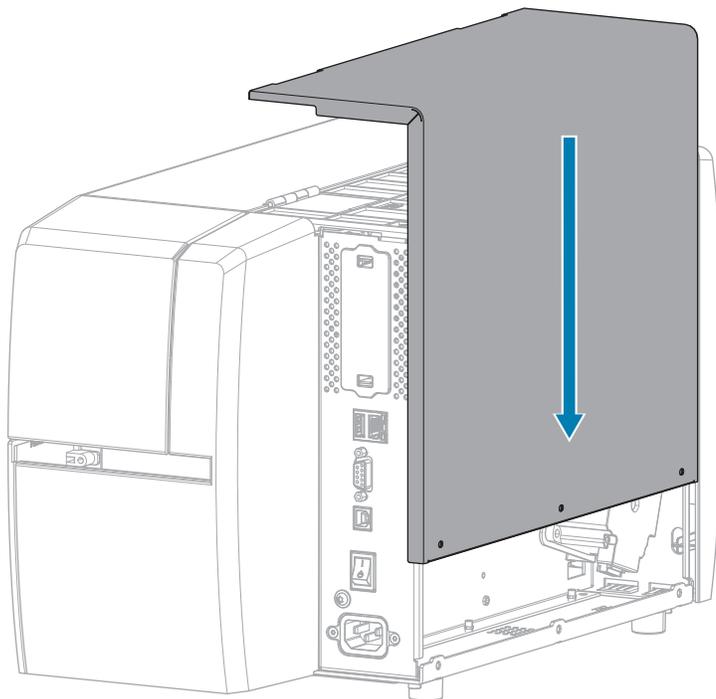


10. Does the display show data from the RFID test label?

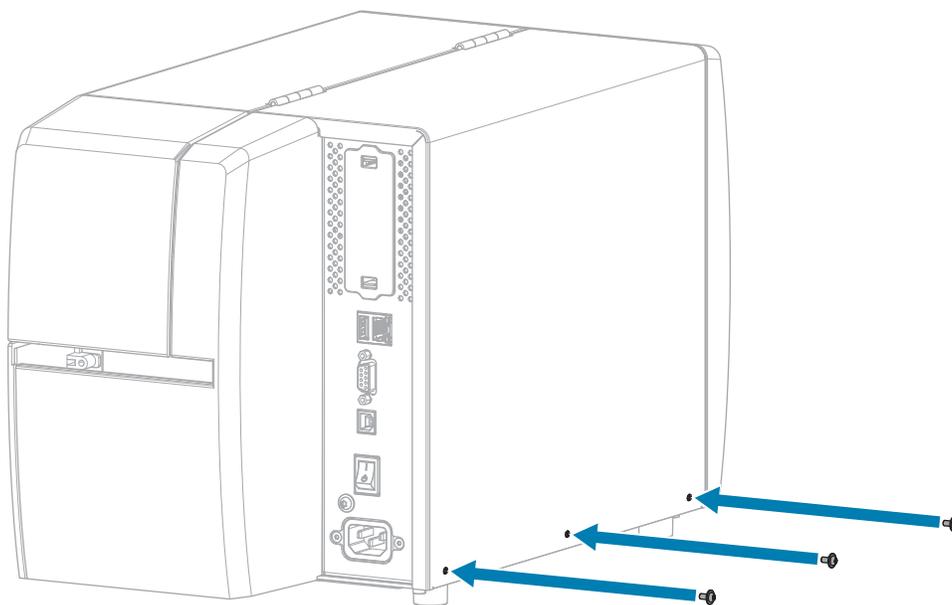
If...	Then...
Yes	Continue with the next section.
No	<ol style="list-style-type: none">1. Verify that the transponder is over the RFID antenna array.2. Check the connection on both ends of the RFID cable.3. Repeat the Read RFID Data test.

Install the Electronics Cover

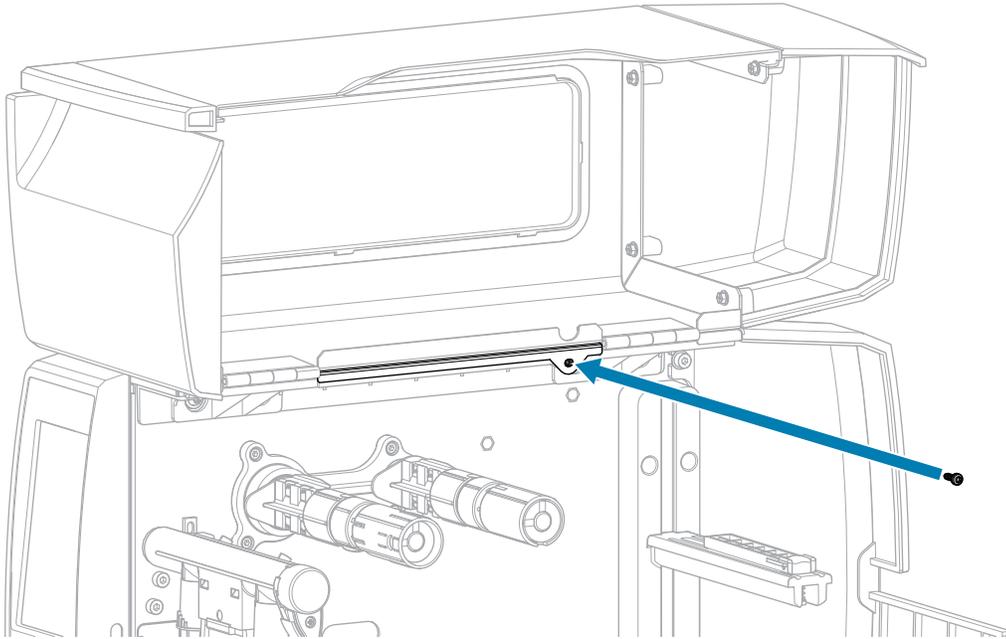
1. Slide the electronics cover onto the printer.



2. Install the three  T10 screws that secure the electronics cover to the electronics side of the printer.

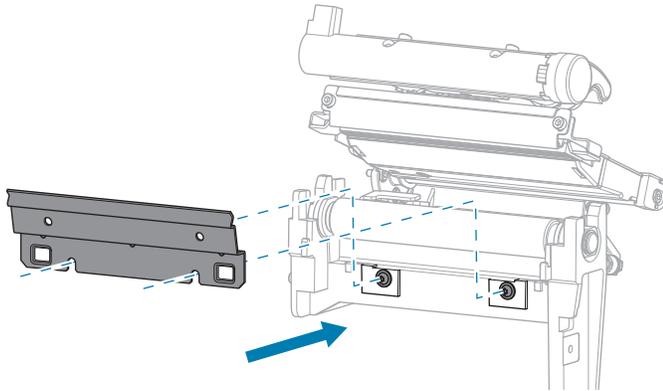


3. Install the  T10 screw that secures the electronics cover to the media side of the printer.

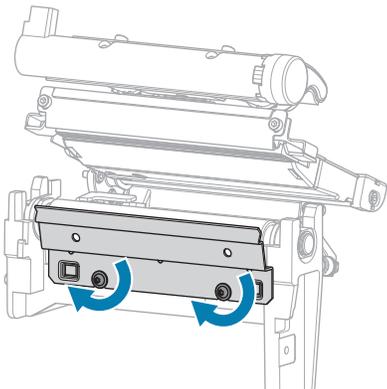


Install the Tear Bar

1. Slide the tear bar over the mounting screws on the printer.

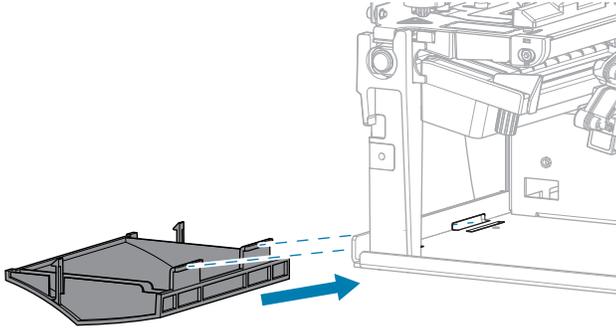


2. Tighten the two  T10 mounting screws to secure the tear bar to the printer.

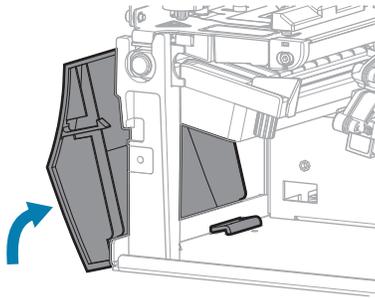


Install the Lower Front Trim Panel

1. Insert the mounting tabs in the tear lower front panel into the mounting slots on the printer.

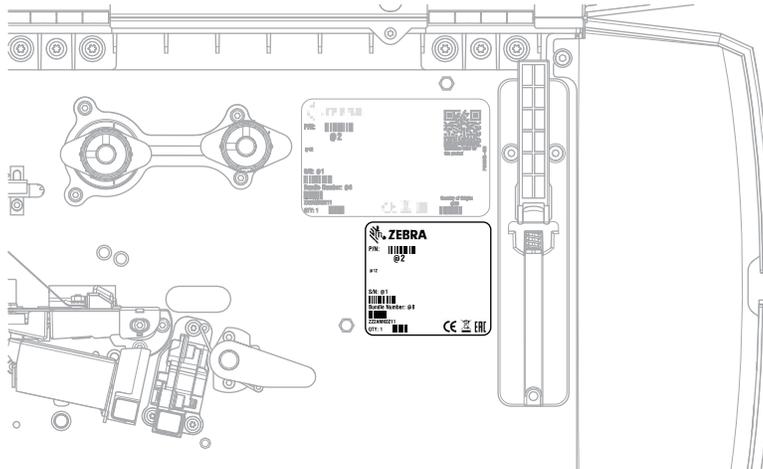


2. Tilt the tear lower front panel into place, and then press the top to snap the mounting tabs into place.

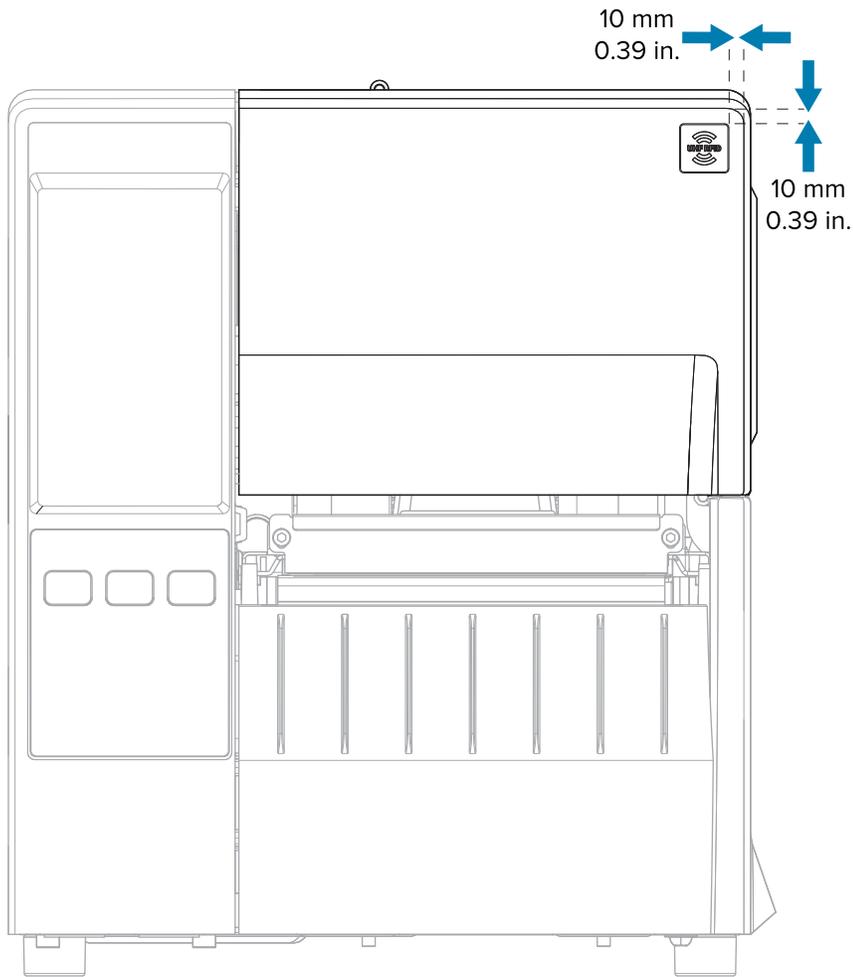


Affix the RFID Sticker and Badge

1. On the inside wall of the printer, install the RFID serial number sticker in the position shown.



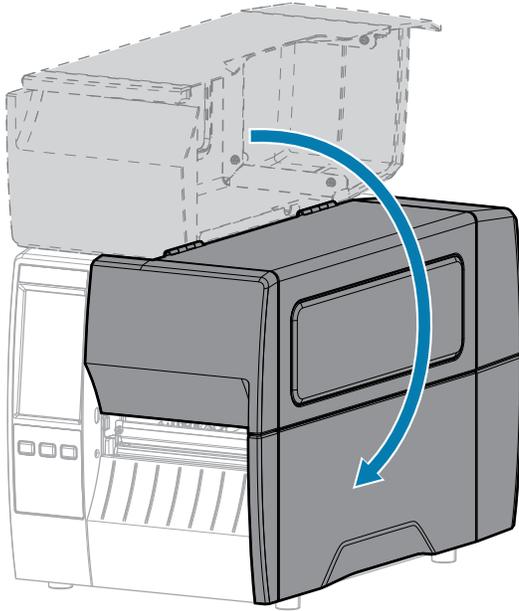
2. Remove the backing from the RFID badge, and adhere it to the top-right corner of the media door as shown.



Resume Printer Operation

1. Reinstall media and ribbon (if used).
2. Close the printhead assembly.

3. Close the media cover.



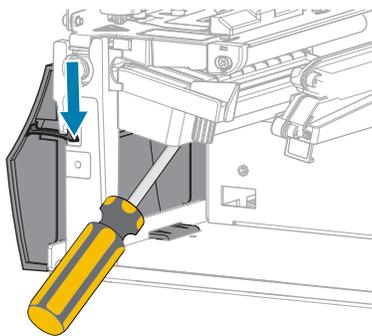
4. Reconnect the AC power cord and interface cables.
5. Turn on the printer power.

Replace an Existing RFID Module with Tear Option

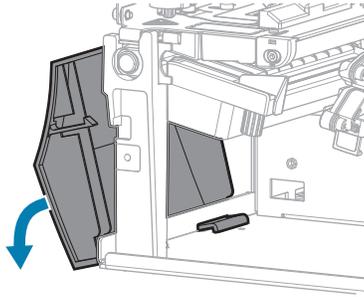
Follow the instructions in this section to replace an old RFID module.

Remove the Tear Lower Front Panel

1. Release the tear lower front panel by pushing down the two tabs that secure it to the printer. Use a flat-blade screwdriver to push down the inner tab.



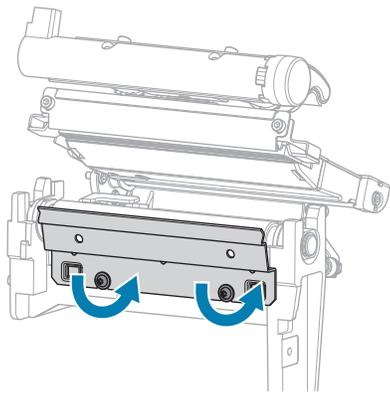
2. Tip the top of the tear lower front panel away from the printer until the mounting tabs separate from the mounting slots.



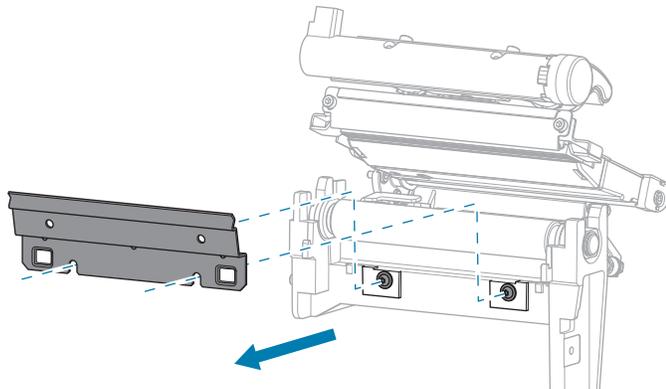
3. Remove the tear lower front panel from the printer.

Remove the Tear Bar

1. Loosen the two  T10 mounting screws that secure the tear bar to the printer.

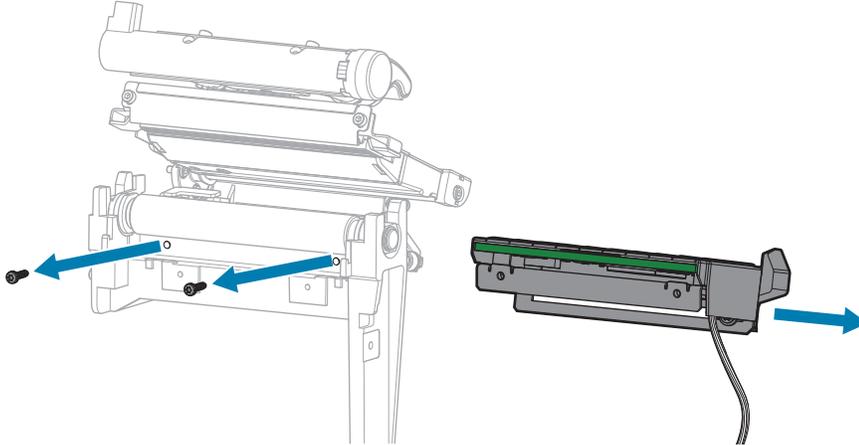


2. Lift the tear bar from the mounting screws, and remove it from the printer.

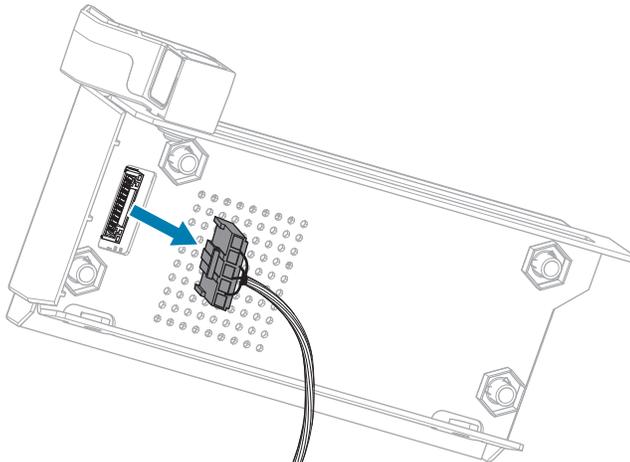


Replace the Old RFID Module

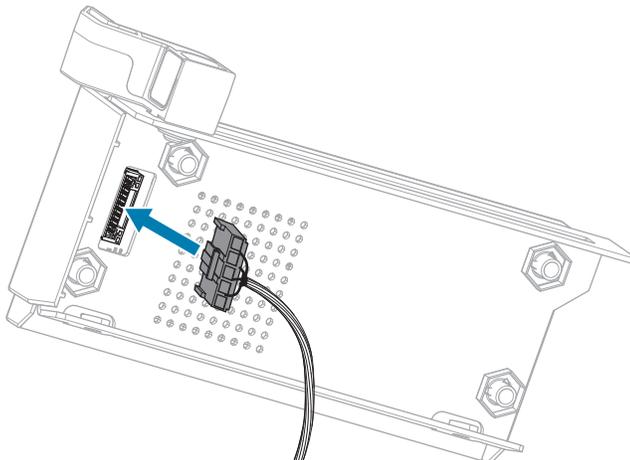
1. Remove the two  T10 mounting screws that secure the RFID module to the printer, and then remove the RFID module.



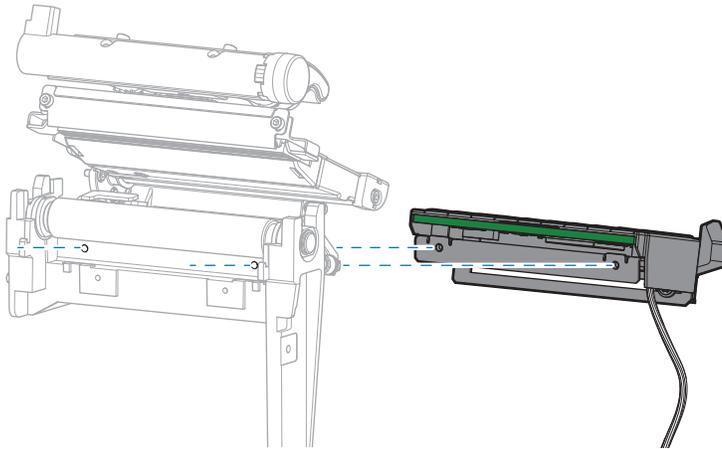
2. Disconnect the RFID cable from the underside of RFID module.



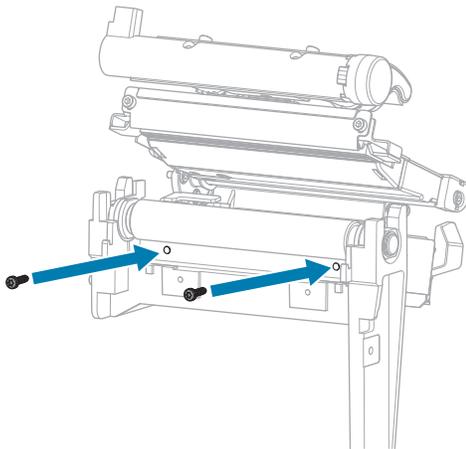
3. Discard the old RFID module.
4. Connect the new RFID cable to the underside of the new RFID module.



-
5. Align the holes on the front of the RFID module with the holes for the mounting screws.

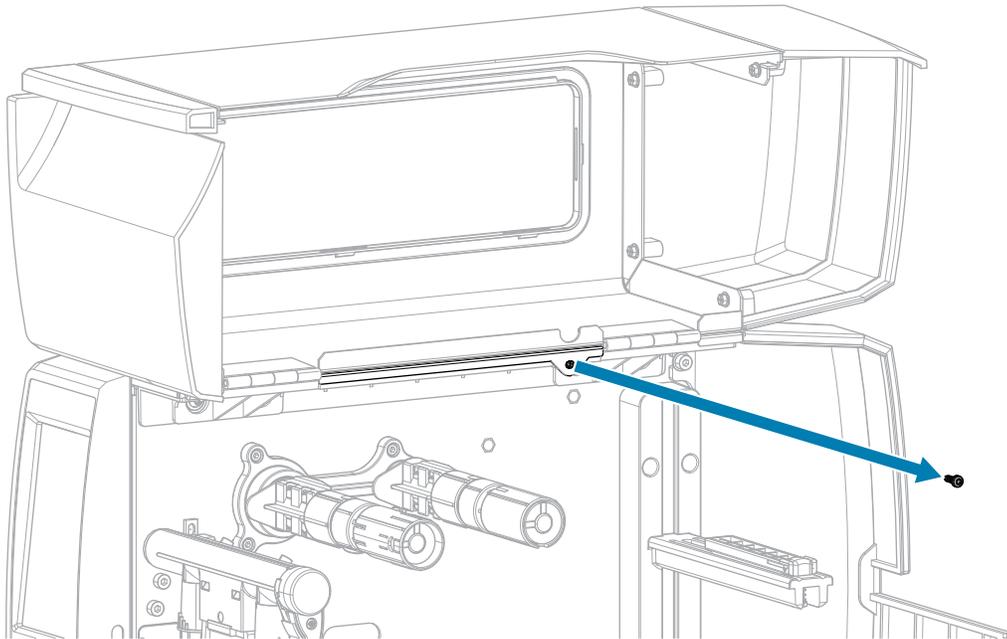


6. Secure the RFID module to the printer using two  T10 mounting screws.

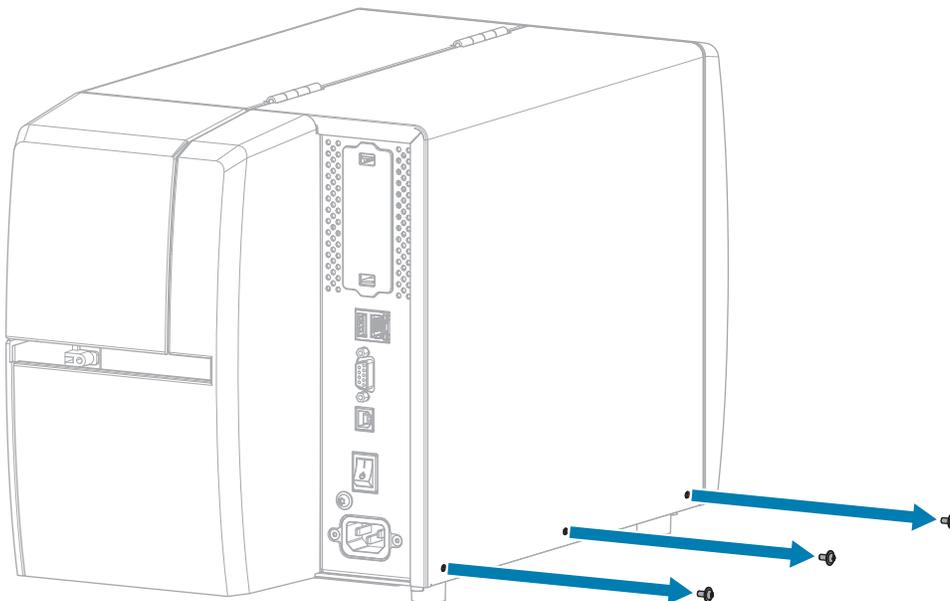


Remove the Electronics Cover

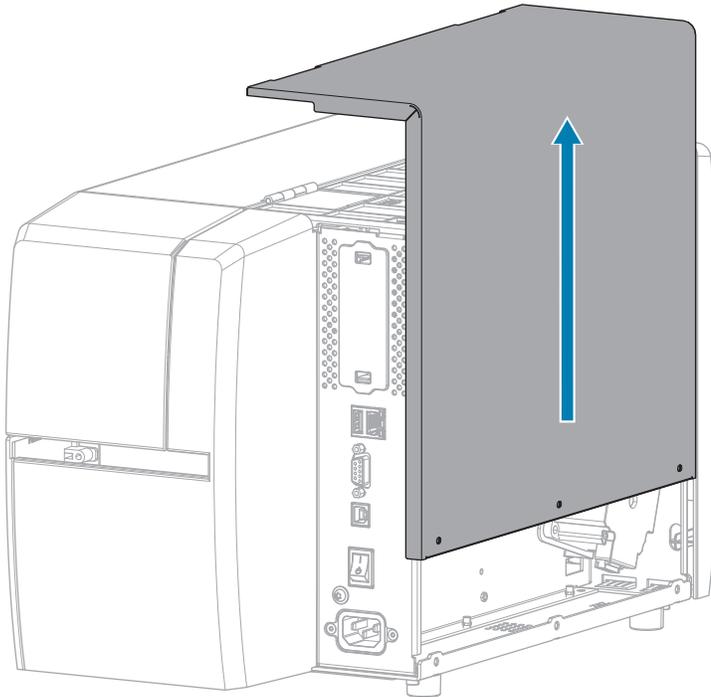
1. Remove the  T10 screw that secures the electronics cover to the media side of the printer.



2. Remove the three  T10 screws that secure the electronics cover to the electronics side of the printer.

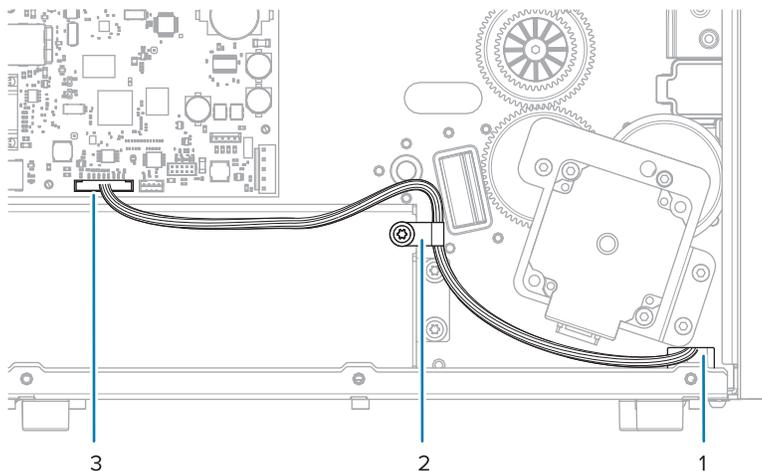


3. Lift the electronics cover off of the printer.



Connect the New RFID Cable

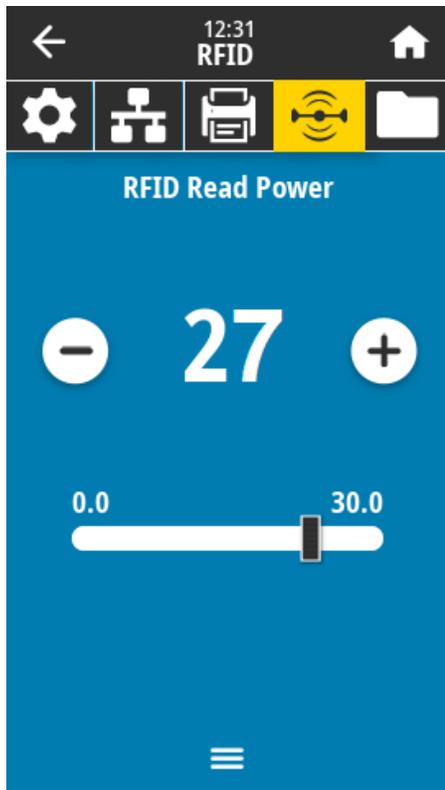
1. Disconnect the old RFID cable from the MLB and discard it.
2. Route the RFID cable from the media side of the printer and connect it to the Main Logic Board (MLB).
 - a) Thread the end of the RFID cable through the hole (1) from the media side of the printer.
 - b) Remove the  T20 screw that secures the wire routing clip (2) to the power supply.
 - c) Run the RFID cable through the clip.
 - d) Secure the clip to the power supply.
 - e) Connect the RFID cable to J2 (3) on the MLB.



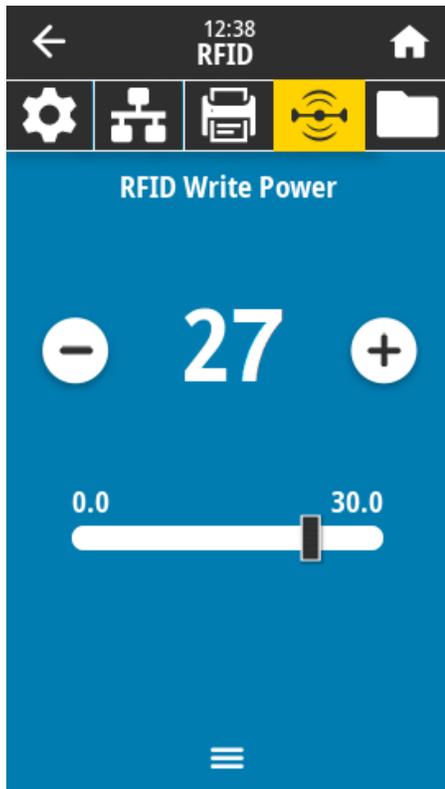
Verify Operation of the RFID Module

Complete this section if you only have the RFID test labels from the RFID kit available. If you have your own RFID labels, use them and the RFID wizard (**Home > Wizards > RFID**) to verify operation.

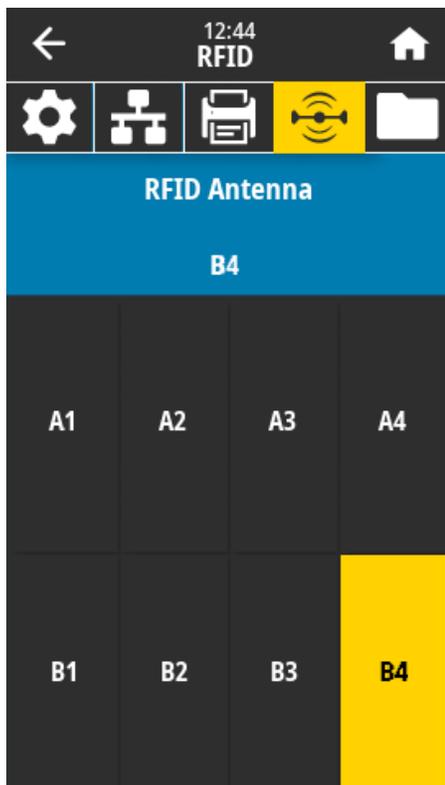
1. Reconnect the AC power cord.
2. Turn on the printer.
3. If prompted for the RFID country code, select the appropriate value.
4. Use the control panel to go to **RFID > Read Power** and set the value to **27**.



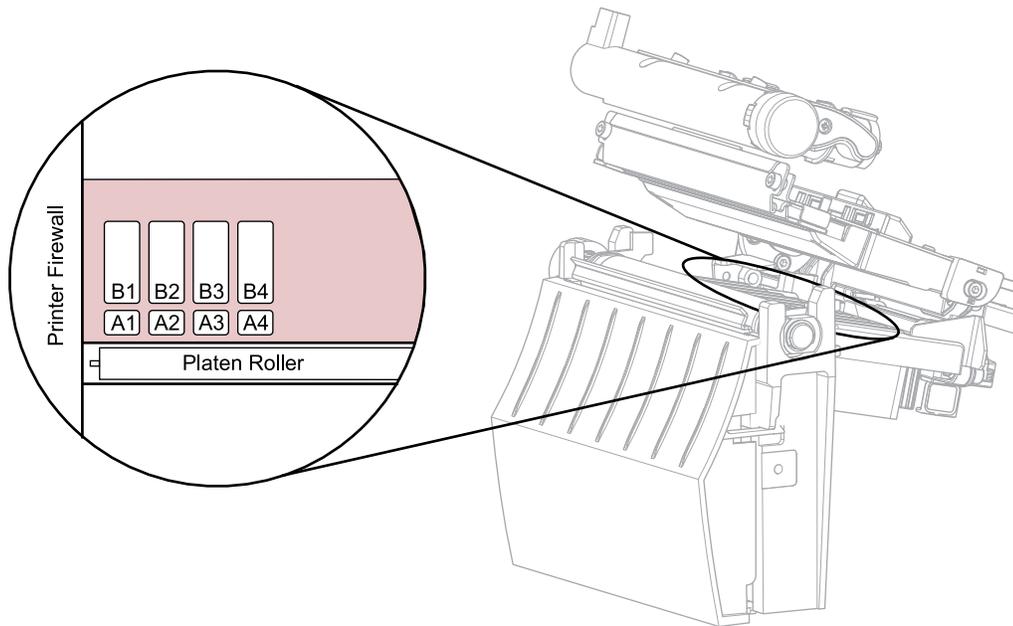
5. Go to **RFID > Write Power** and set the value to **27**.



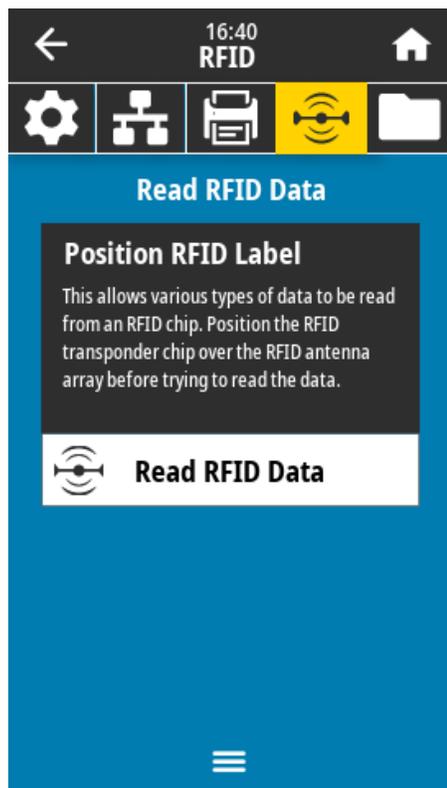
6. Go to **RFID > RFID Antenna** and select **B4**.



7. Position an RFID test label over the RFID antenna array so that the transponder is positioned over the antenna elements.

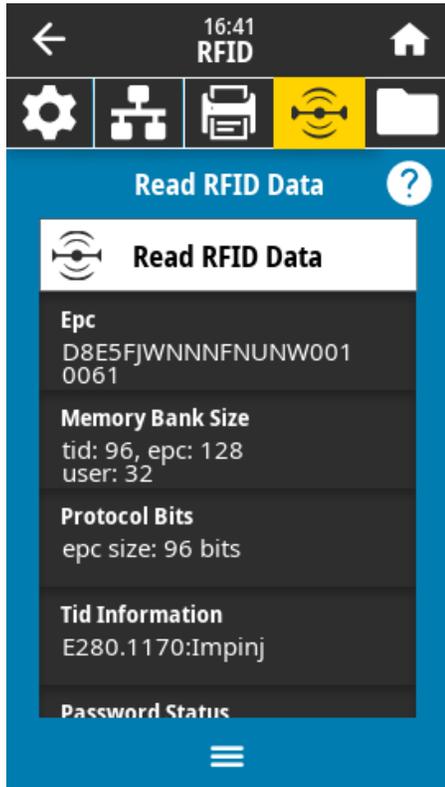


8. Use the control panel to go to **RFID > Read RFID Data**.



9. Touch **Read RFID Data**.

If the reader is installed correctly, the printer displays the data from the RFID test label.

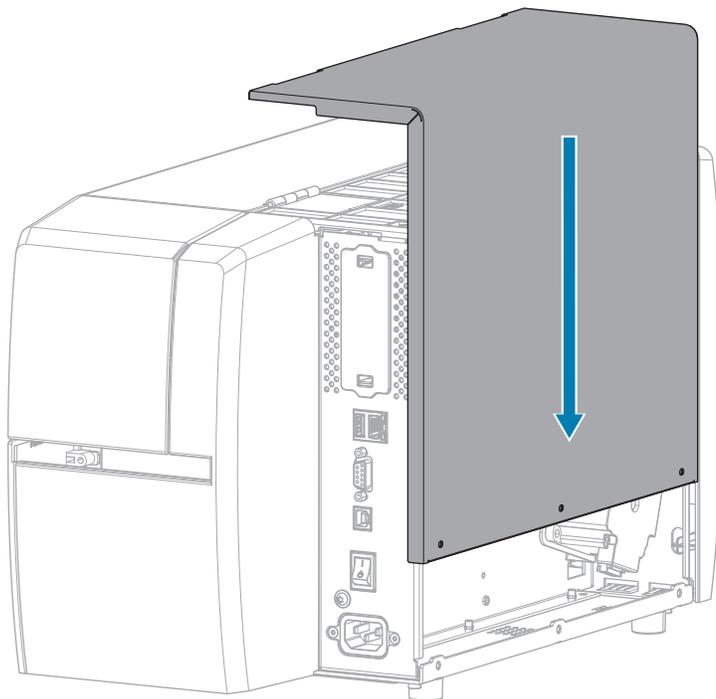


10. Does the display show data from the RFID test label?

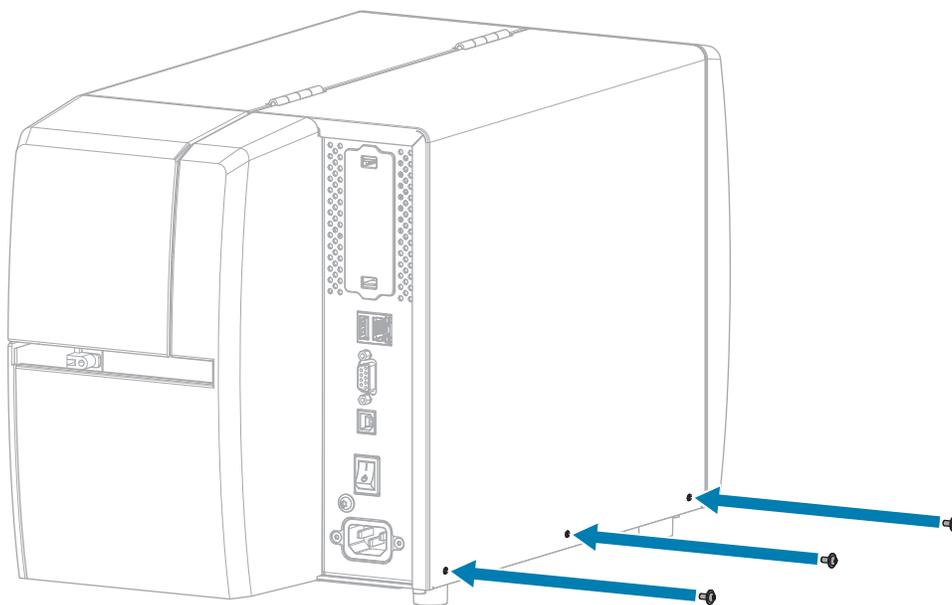
If...	Then...
Yes	Continue with the next section.
No	<ol style="list-style-type: none">1. Verify that the transponder is over the RFID antenna array.2. Check the connection on both ends of the RFID cable.3. Repeat the Read RFID Data test.

Install the Electronics Cover

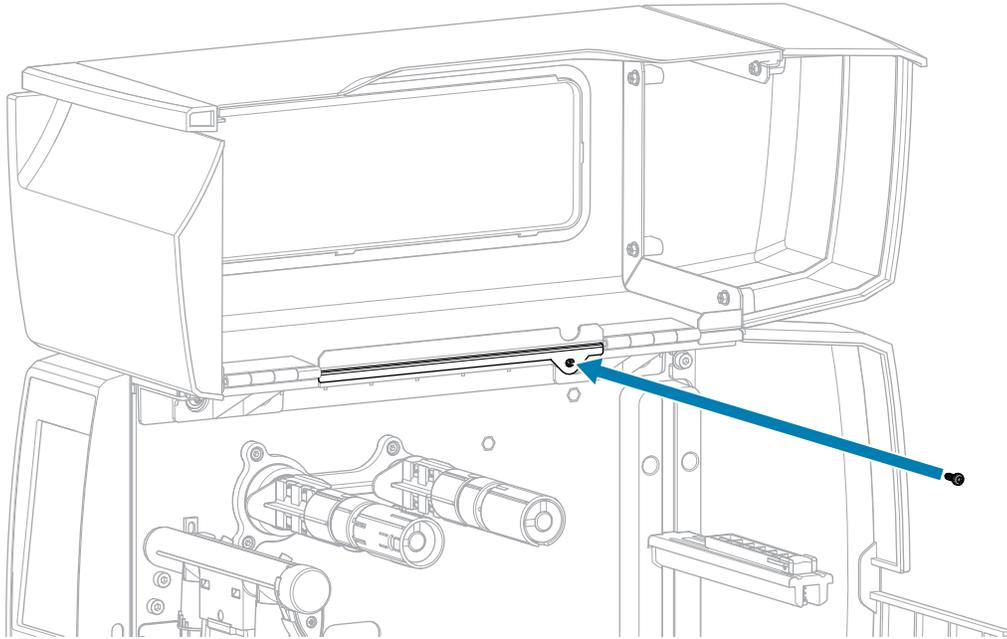
1. Slide the electronics cover onto the printer.



2. Install the three  T10 screws that secure the electronics cover to the electronics side of the printer.

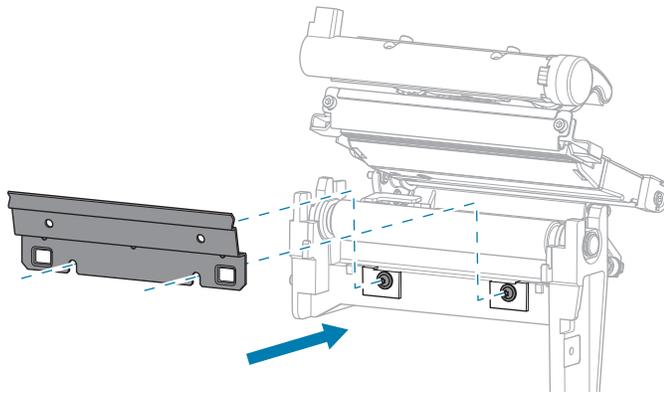


3. Install the  T10 screw that secures the electronics cover to the media side of the printer.

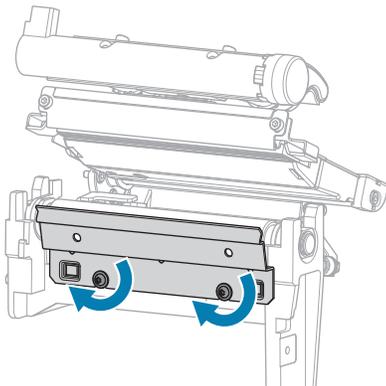


Install the Tear Bar

1. Slide the tear bar over the mounting screws on the printer.

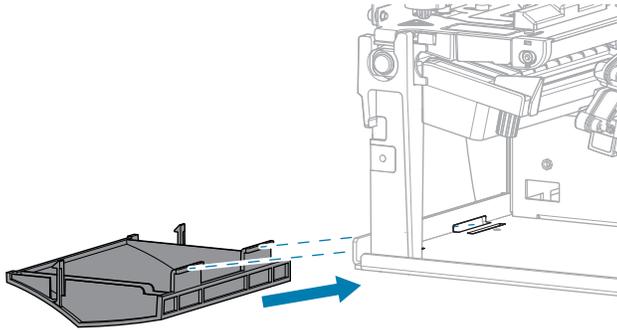


2. Tighten the two  T10 mounting screws to secure the tear bar to the printer.

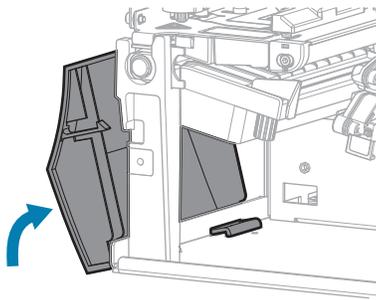


Install the Lower Front Trim Panel

1. Insert the mounting tabs in the tear lower front panel into the mounting slots on the printer.

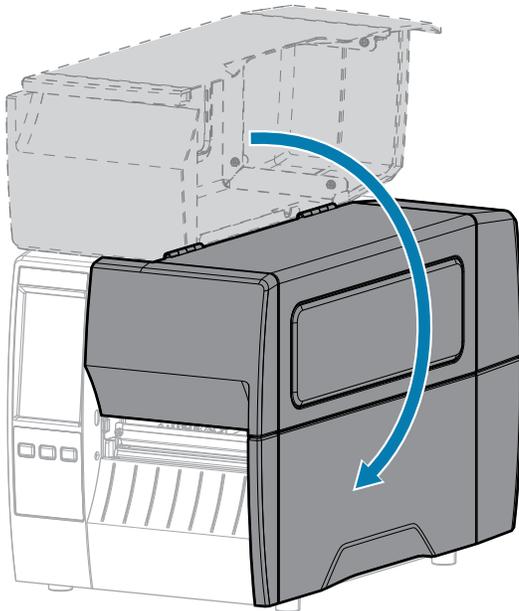


2. Tilt the tear lower front panel into place, and then press the top to snap the mounting tabs into place.



Resume Printer Operation

1. Reinstall media and ribbon (if used).
2. Close the printhead assembly.
3. Close the media cover.



4. Reconnect the AC power cord and interface cables.
5. Turn on the printer power.

Install the RFID Module with the Peel or Liner Take-Up Option

Follow the instructions in this section if your printer has the Peel or Liner Take-Up option.

Table 3 Are you replacing an existing RFID module?

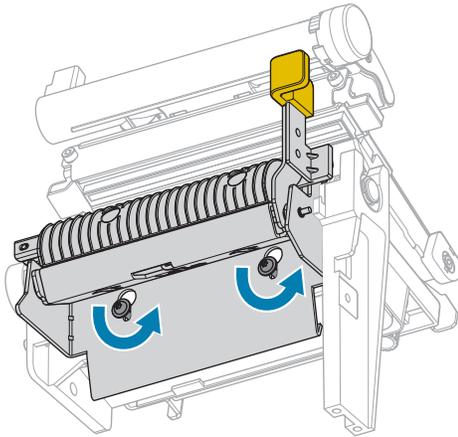
If...	Then...
No	Go to Install a New RFID Module with the Peel or Liner Take-Up Option on page 32.
Yes	Go to Replace an Existing RFID Module with the Peel or Liner Take-Up Option on page 45.

Install a New RFID Module with the Peel or Liner Take-Up Option

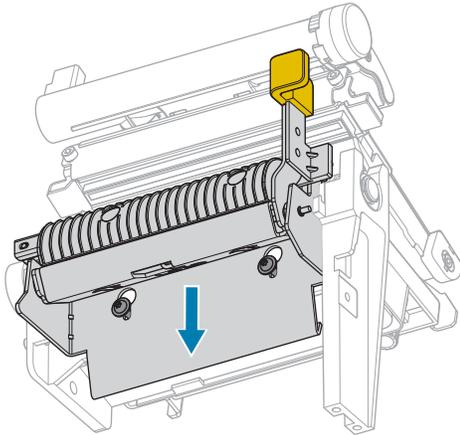
Follow the instructions in this section to install an RFID module in a printer that did not have one previously.

Remove the Peel Assembly

1. Loosen the two  T10 mounting screws that secure the peel assembly to the printer.

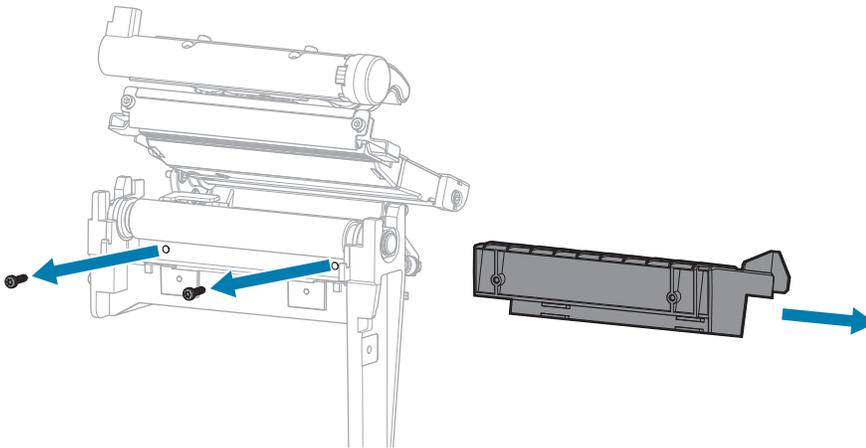


2. Lower the peel assembly and remove it from the printer.

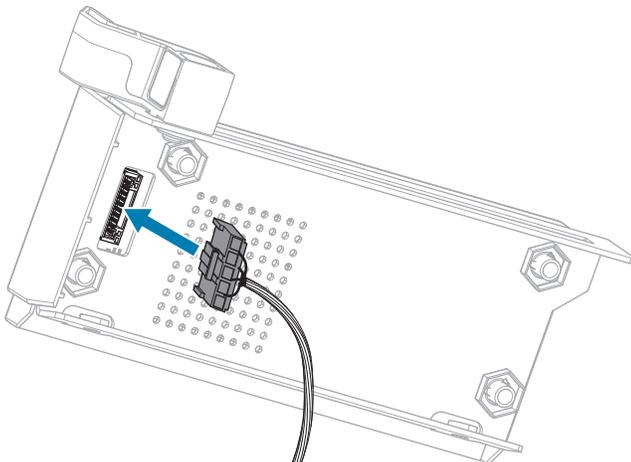


Replace the Media Guide Assembly with the RFID Module

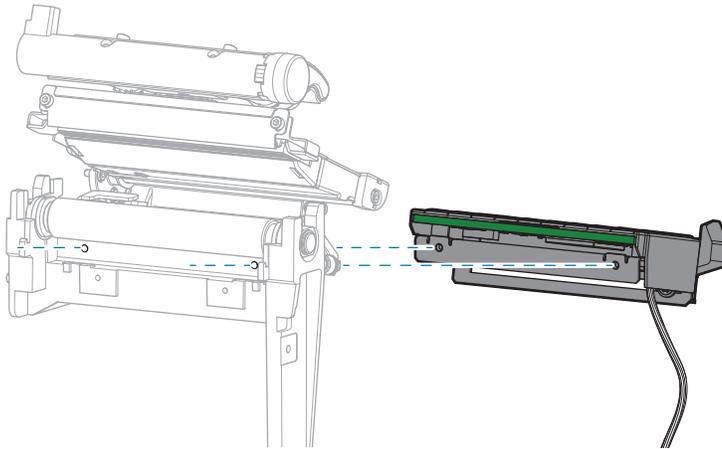
1. Remove the two  T10 mounting screws that secure the media guide assembly to the printer, and then remove the media guide assembly.



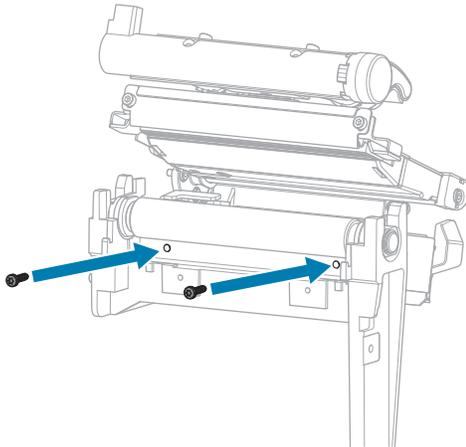
2. Connect the RFID cable to the underside of the RFID module.



-
3. Align the holes on the front of the RFID module with the holes for the mounting screws.

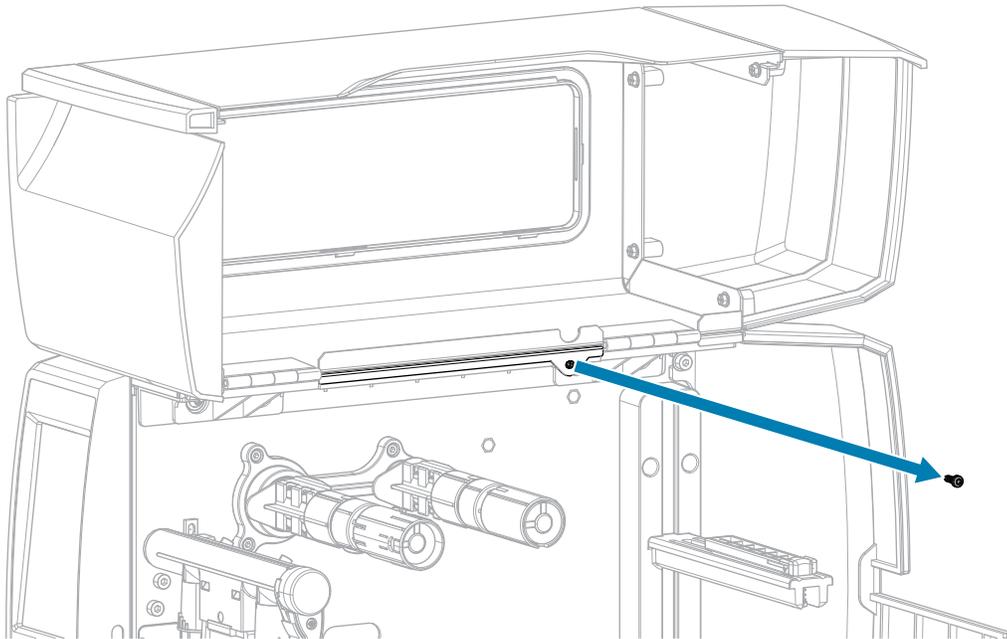


4. Secure the RFID module to the printer using two  T10 mounting screws.

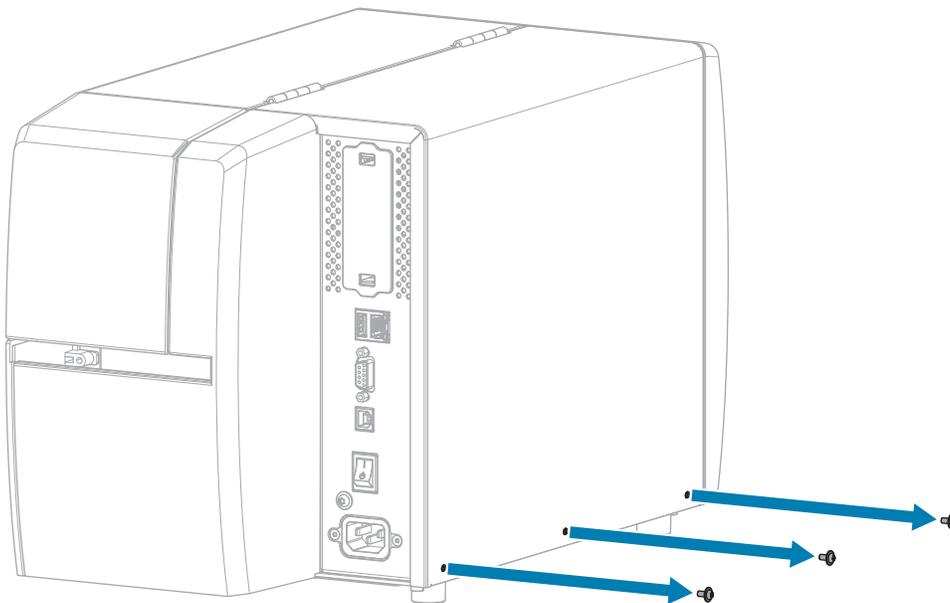


Remove the Electronics Cover

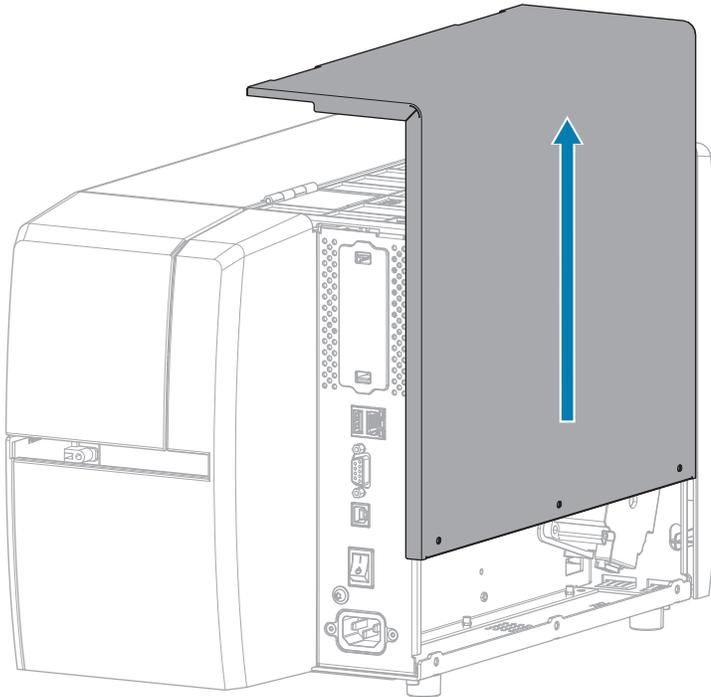
1. Remove the  T10 screw that secures the electronics cover to the media side of the printer.



2. Remove the three  T10 screws that secure the electronics cover to the electronics side of the printer.



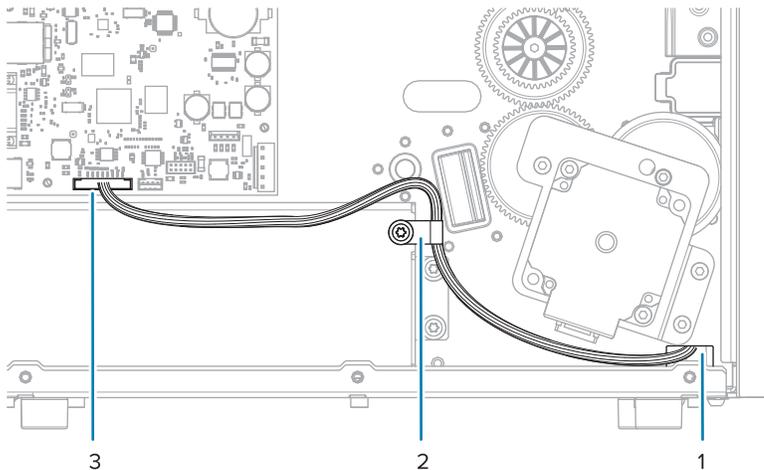
3. Lift the electronics cover off of the printer.



Connect the RFID Cable to the MLB

Route the RFID cable from the media side of the printer and connect it to the Main Logic Board (MLB).

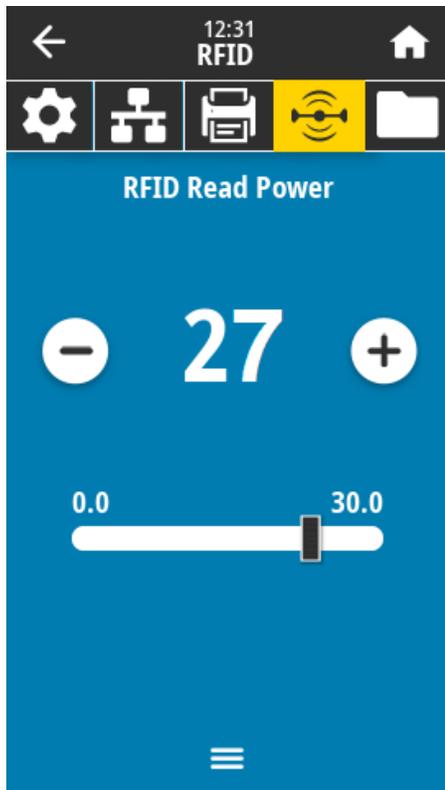
- a) Thread the end of the RFID cable through the hole (1) from the media side of the printer.
- b) Remove the  T20 screw that secures the wire routing clip (2) to the power supply.
- c) Run the RFID cable through the clip.
- d) Secure the clip to the power supply.
- e) Connect the RFID cable to J2 (3) on the MLB.



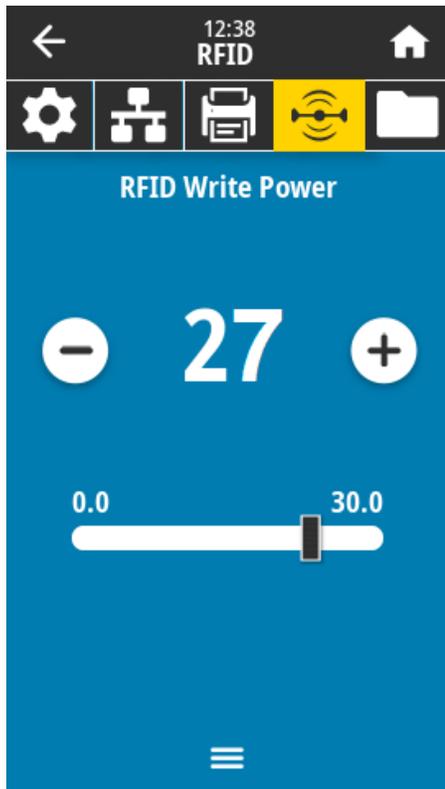
Verify Operation of the RFID Module

Complete this section if you only have the RFID test labels from the RFID kit available. If you have your own RFID labels, use them and the RFID wizard (**Home > Wizards > RFID**) to verify operation.

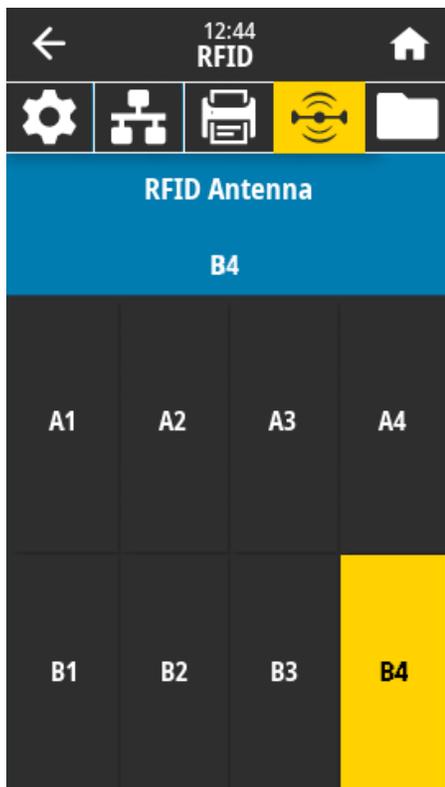
1. Reconnect the AC power cord.
2. Turn on the printer.
3. If prompted for the RFID country code, select the appropriate value.
4. Use the control panel to go to **RFID > Read Power** and set the value to **27**.



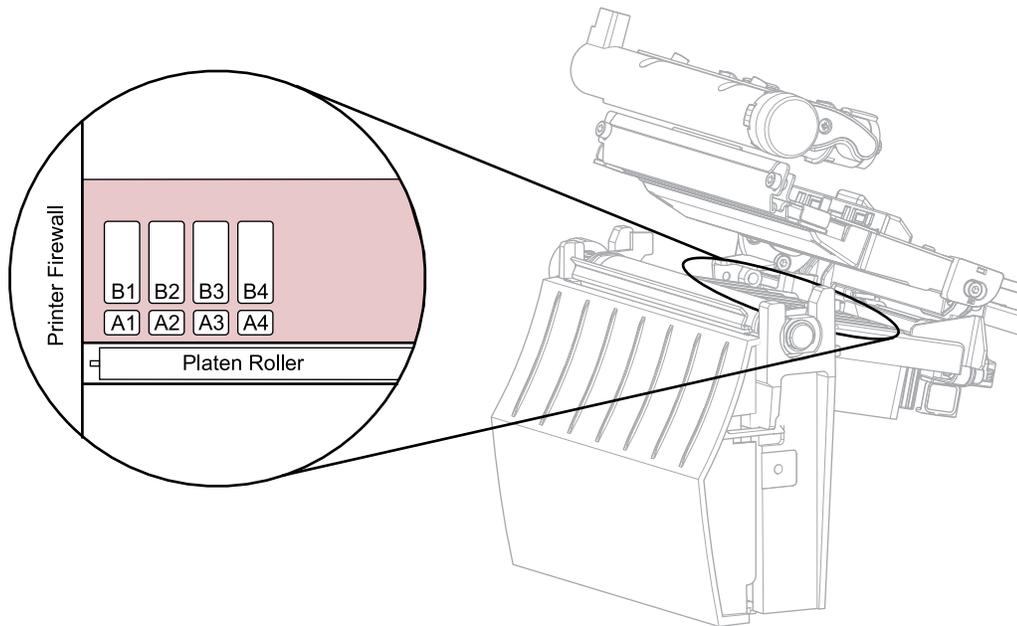
5. Go to **RFID > Write Power** and set the value to **27**.



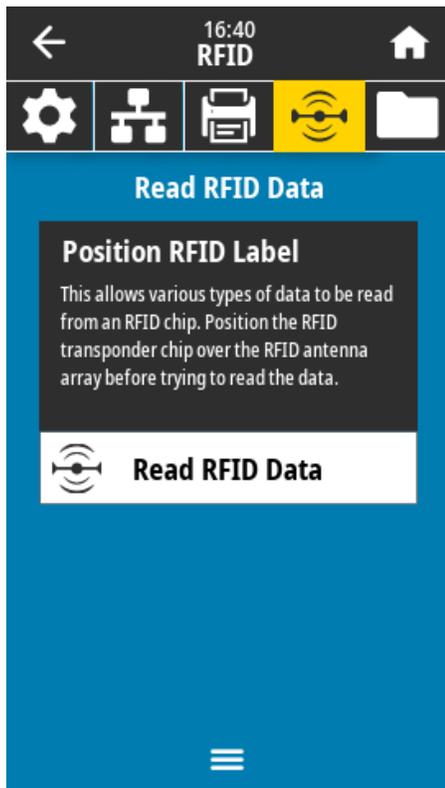
6. Go to **RFID > RFID Antenna** and select **B4**.



7. Position an RFID test label over the RFID antenna array so that the transponder is positioned over the antenna elements.

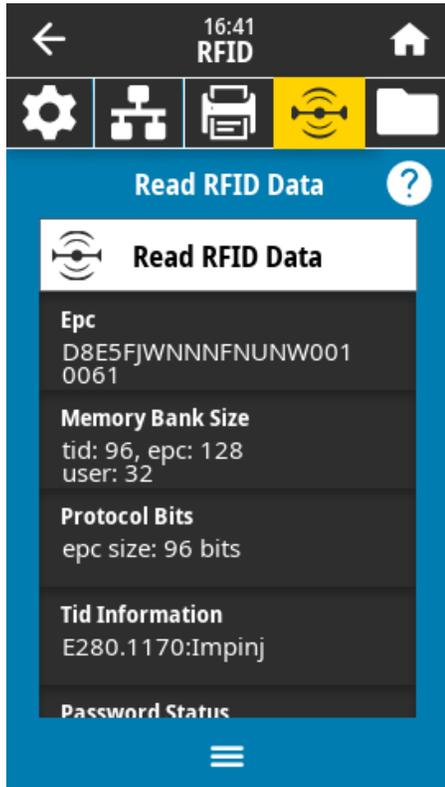


8. Use the control panel to go to **RFID > Read RFID Data**.



9. Touch **Read RFID Data**.

If the reader is installed correctly, the printer displays the data from the RFID test label.

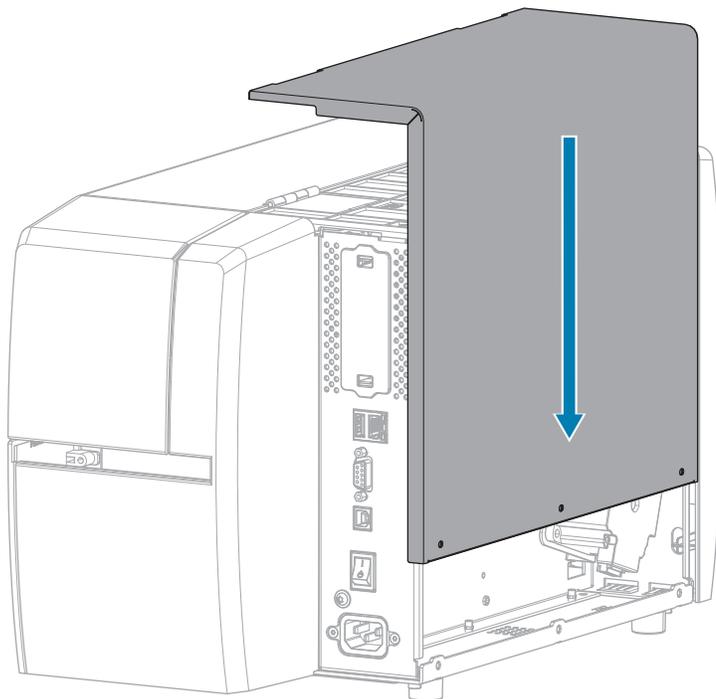


10. Does the display show data from the RFID test label?

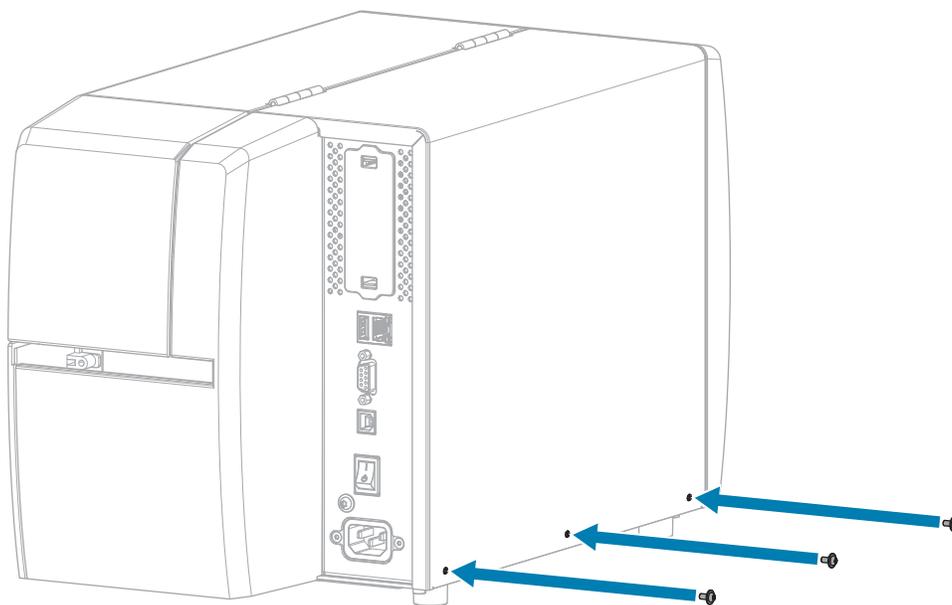
If...	Then...
Yes	Continue with the next section.
No	<ol style="list-style-type: none">1. Verify that the transponder is over the RFID antenna array.2. Check the connection on both ends of the RFID cable.3. Repeat the Read RFID Data test.

Install the Electronics Cover

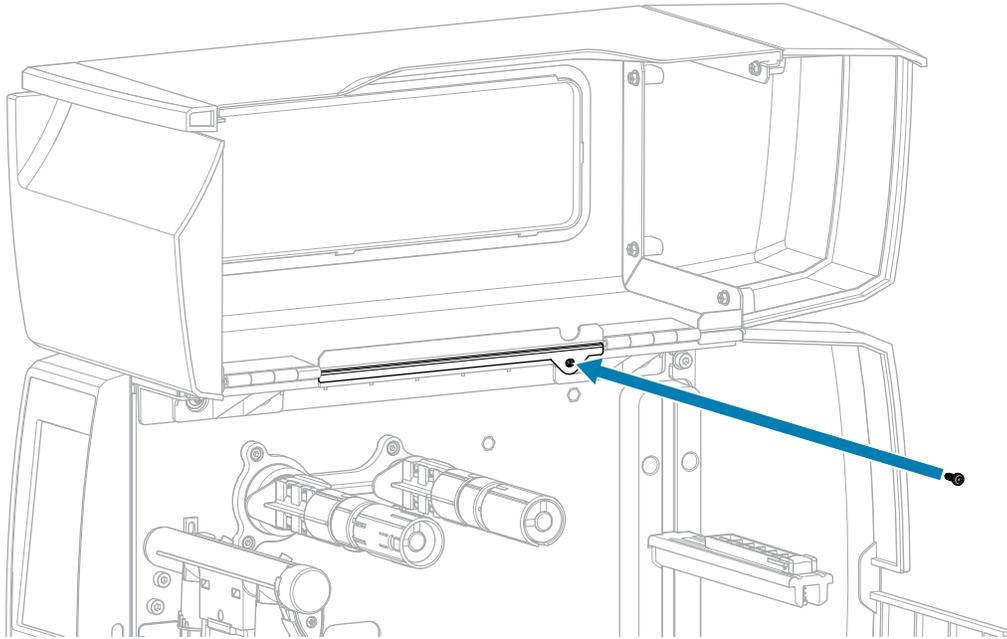
1. Slide the electronics cover onto the printer.



2. Install the three  T10 screws that secure the electronics cover to the electronics side of the printer.

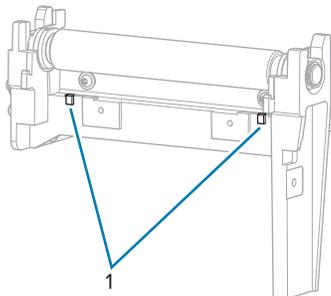


3. Install the  T10 screw that secures the electronics cover to the media side of the printer.

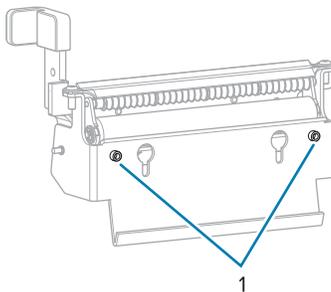


Install the Peel Assembly

1. Locate the metal projections (1) on the printer where the peel assembly will be mounted.

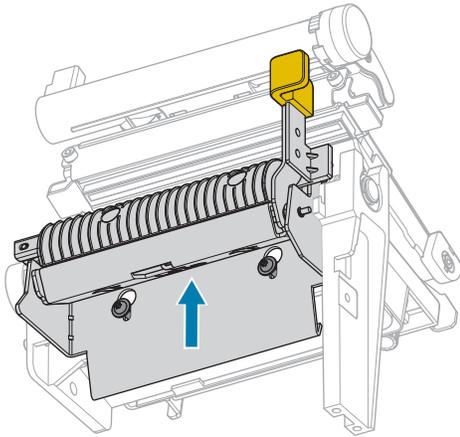


2. Locate the standoffs (1) on the back of the peel assembly.

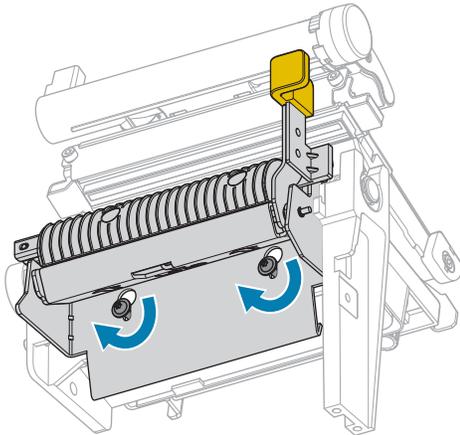


When the peel assembly is installed, these standoffs rest on top of the metal projections.

3. Slide the peel assembly over the mounting screws, rock the assembly back toward the platen roller and then down so that the standoffs rest on the metal projections, and then raise the assembly into place.

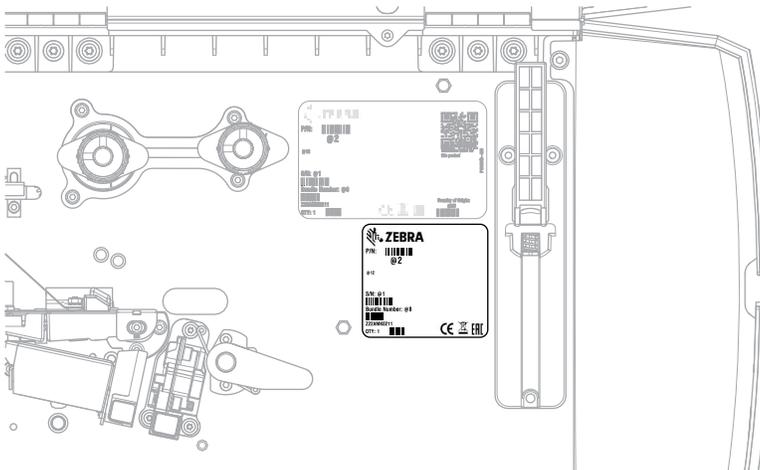


4. Tighten the two T10 mounting screws to secure the peel assembly to the printer.

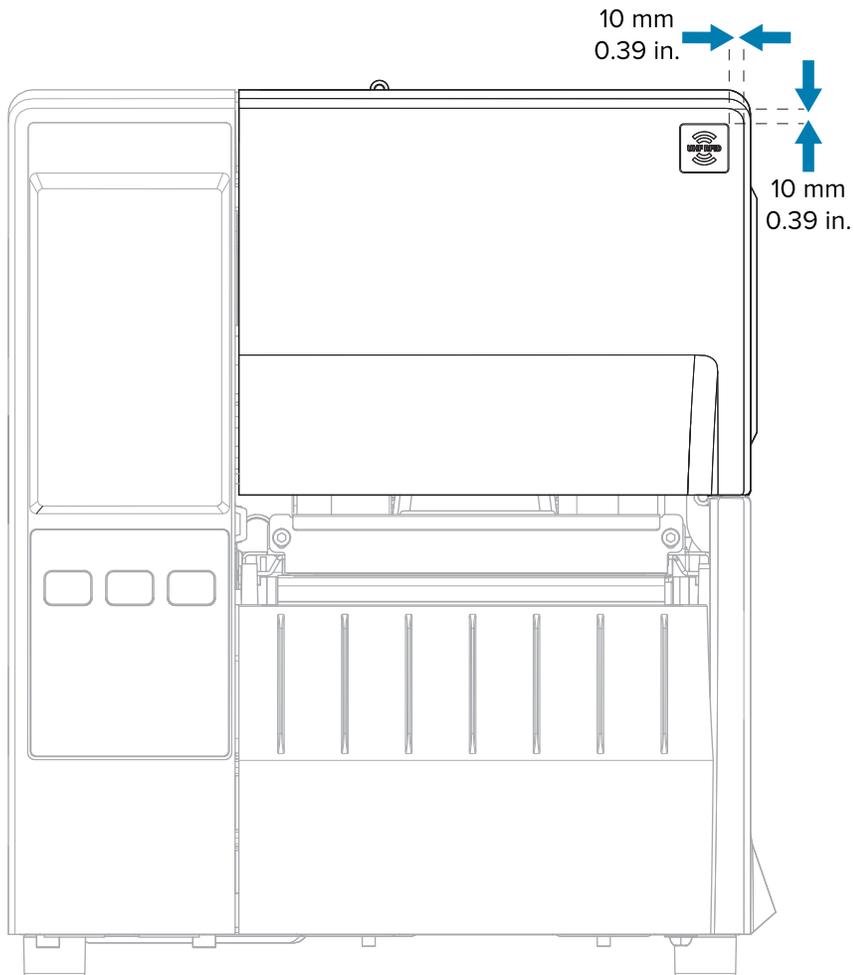


Affix the RFID Sticker and Badge

1. On the inside wall of the printer, install the RFID serial number sticker in the position shown.



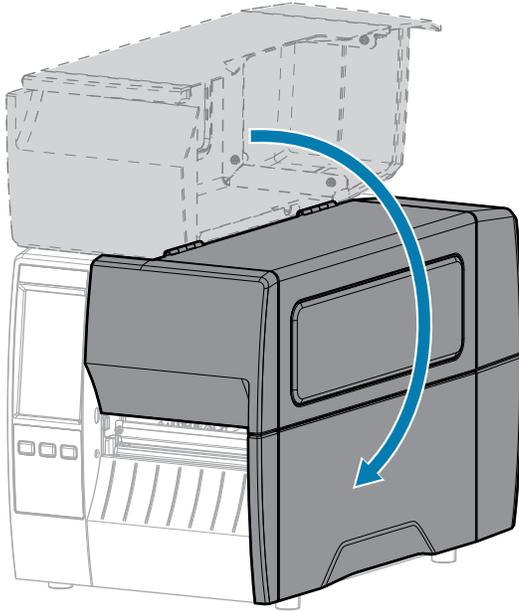
2. Remove the backing from the RFID badge, and adhere it to the top-right corner of the media door as shown.



Resume Printer Operation

1. Reinstall media and ribbon (if used).
2. Close the printhead assembly.

3. Close the media cover.



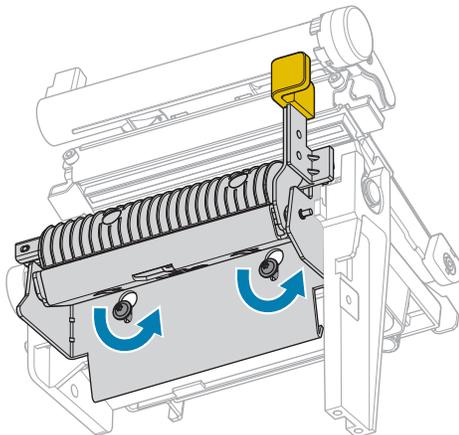
4. Reconnect the AC power cord and interface cables.
5. Turn on the printer power.

Replace an Existing RFID Module with the Peel or Liner Take-Up Option

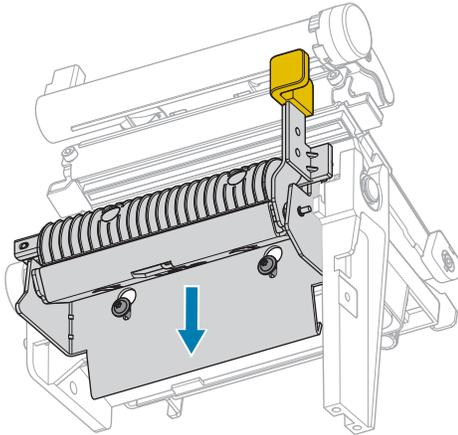
Follow the instructions in this section to replace an old RFID module.

Remove the Peel Assembly

1. Loosen the two  T10 mounting screws that secure the peel assembly to the printer.

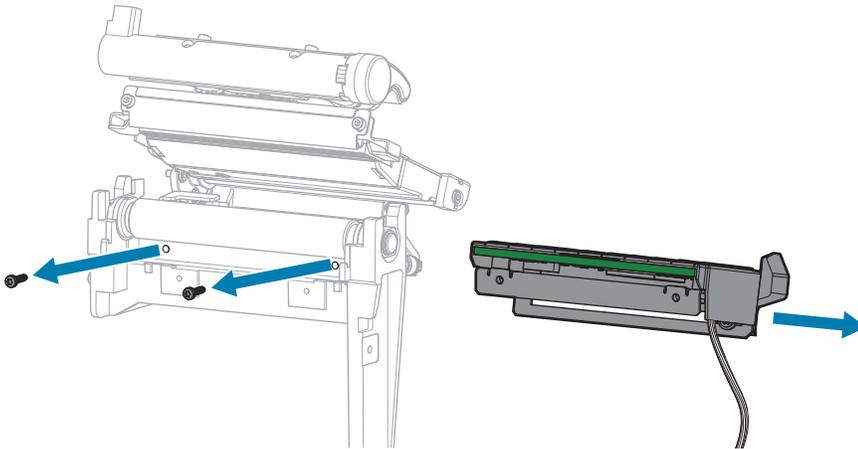


2. Lower the peel assembly and remove it from the printer.

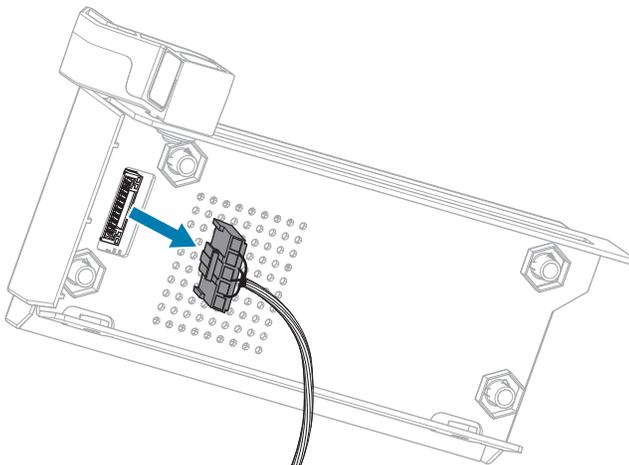


Replace the Old RFID Module

1. Remove the two \star T10 mounting screws that secure the RFID module to the printer, and then remove the RFID module.

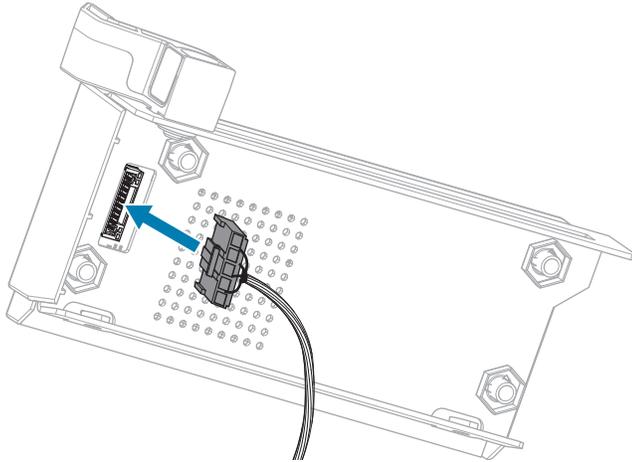


2. Disconnect the RFID cable from the underside of RFID module.

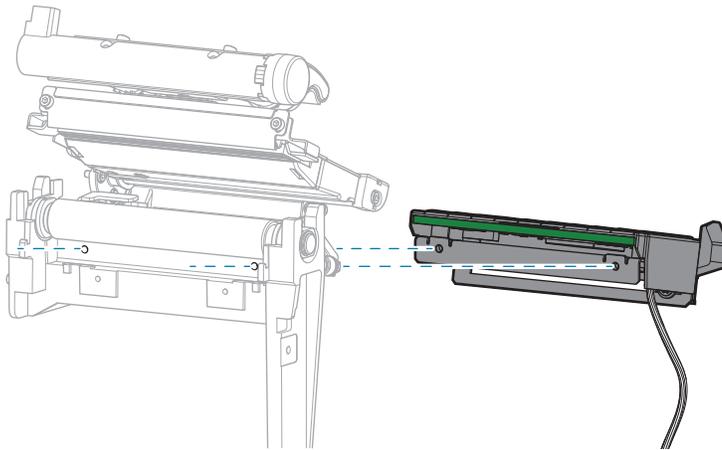


3. Discard the old RFID module.

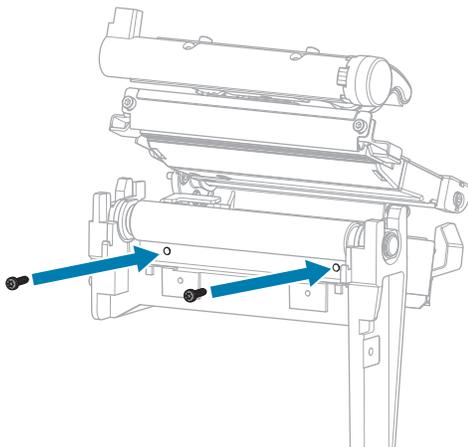
-
4. Connect the new RFID cable to the underside of the new RFID module.



5. Align the holes on the front of the RFID module with the holes for the mounting screws.

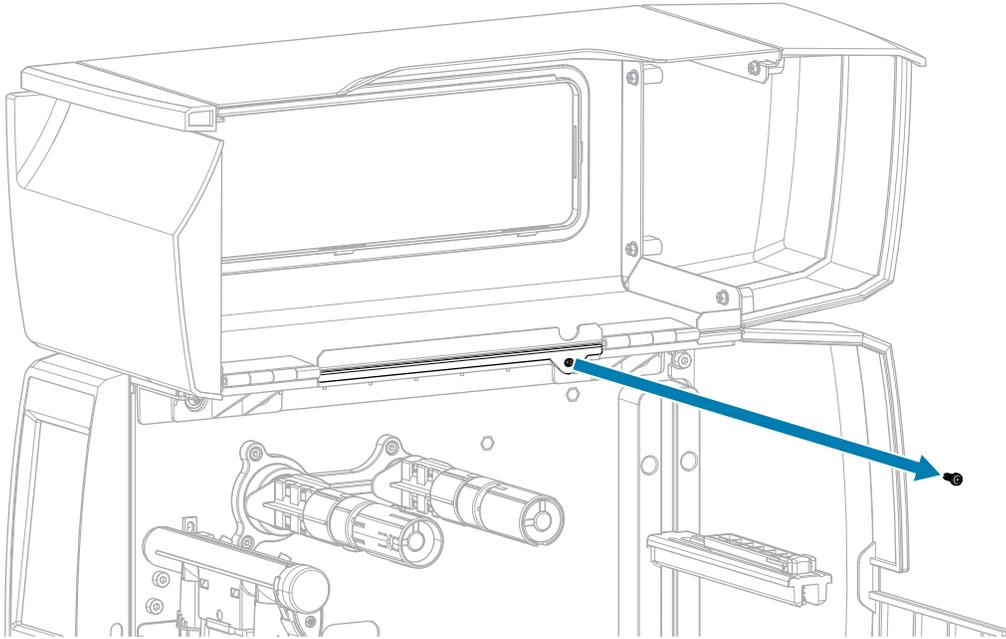


6. Secure the RFID module to the printer using two T10 mounting screws.

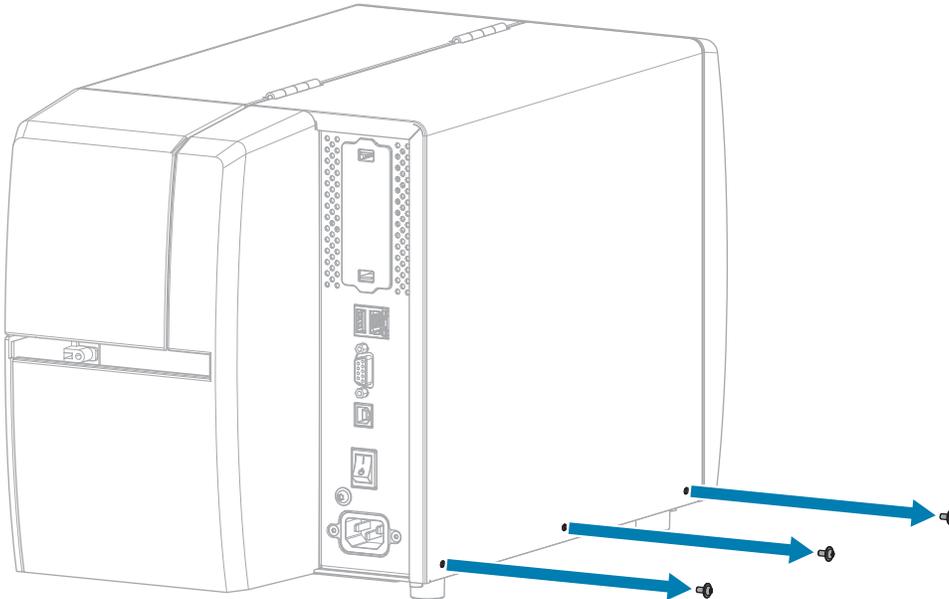


Remove the Electronics Cover

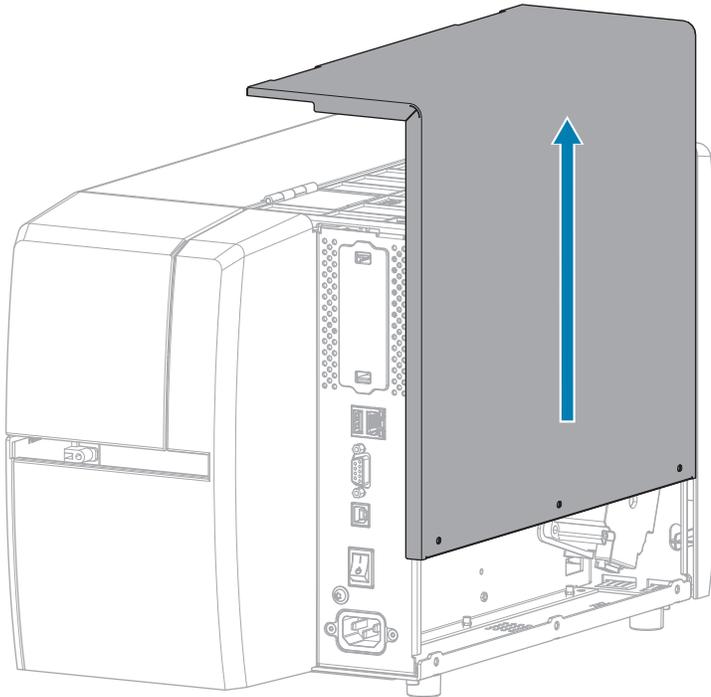
1. Remove the  T10 screw that secures the electronics cover to the media side of the printer.



2. Remove the three  T10 screws that secure the electronics cover to the electronics side of the printer.

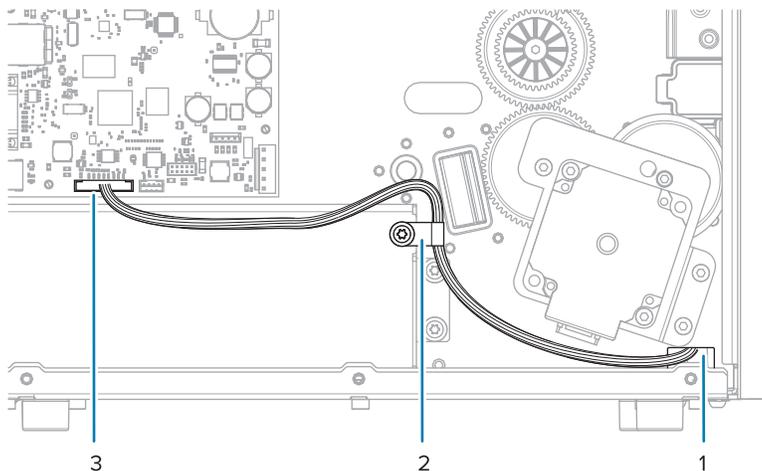


3. Lift the electronics cover off of the printer.



Connect the New RFID Cable

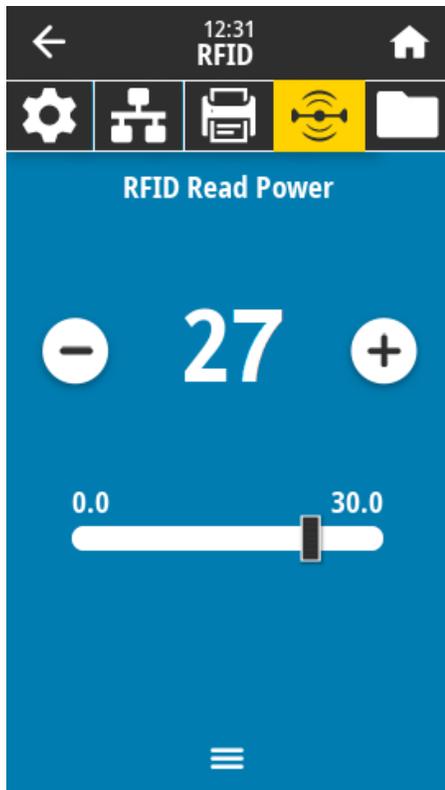
1. Disconnect the old RFID cable from the MLB and discard it.
2. Route the RFID cable from the media side of the printer and connect it to the Main Logic Board (MLB).
 - a) Thread the end of the RFID cable through the hole (1) from the media side of the printer.
 - b) Remove the  T20 screw that secures the wire routing clip (2) to the power supply.
 - c) Run the RFID cable through the clip.
 - d) Secure the clip to the power supply.
 - e) Connect the RFID cable to J2 (3) on the MLB.



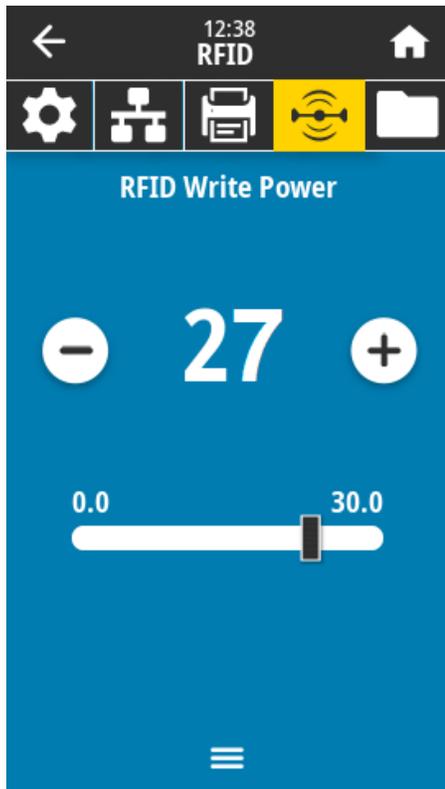
Verify Operation of the RFID Module

Complete this section if you only have the RFID test labels from the RFID kit available. If you have your own RFID labels, use them and the RFID wizard (**Home > Wizards > RFID**) to verify operation.

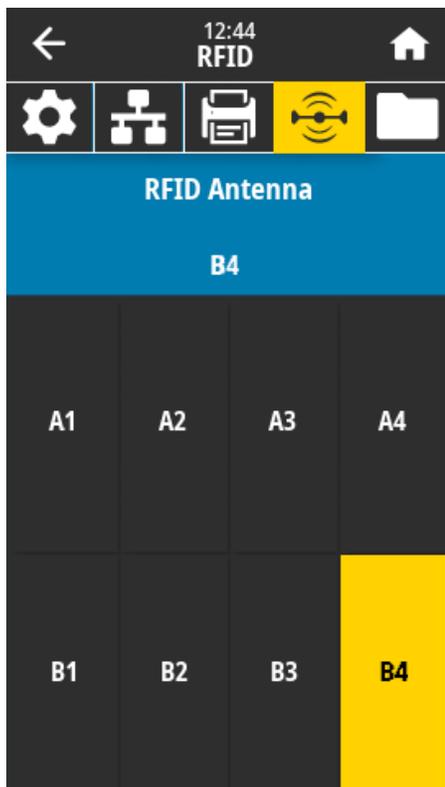
1. Reconnect the AC power cord.
2. Turn on the printer.
3. If prompted for the RFID country code, select the appropriate value.
4. Use the control panel to go to **RFID > Read Power** and set the value to **27**.



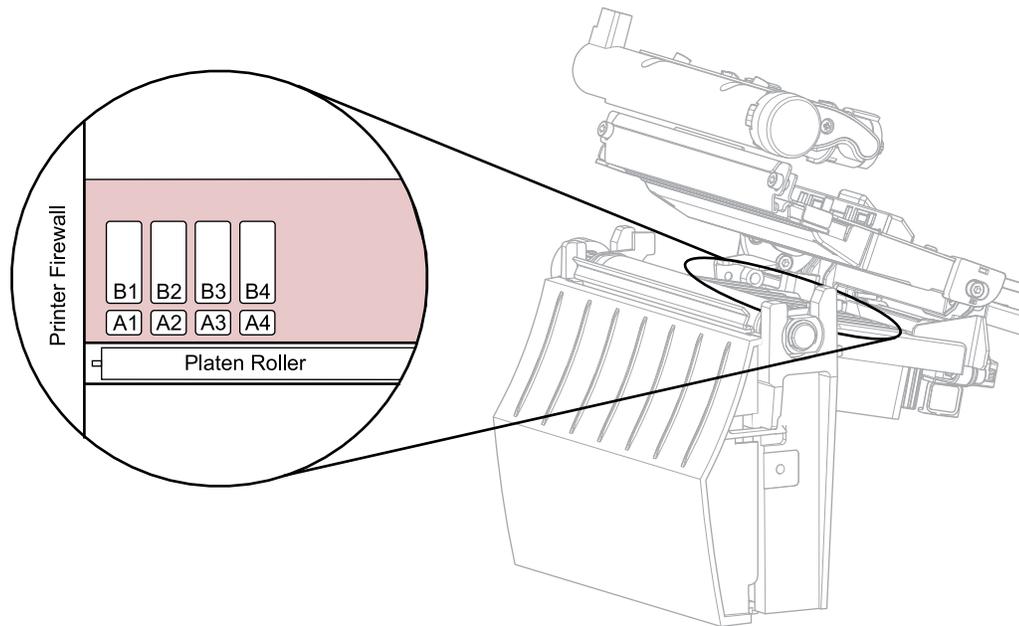
5. Go to **RFID > Write Power** and set the value to **27**.



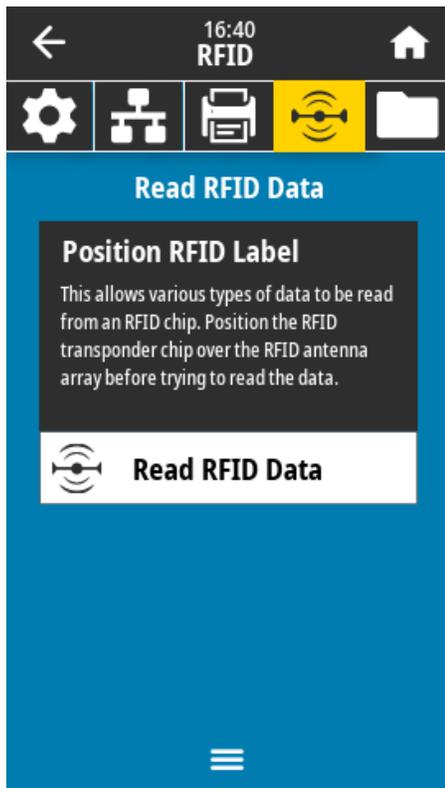
6. Go to **RFID > RFID Antenna** and select **B4**.



7. Position an RFID test label over the RFID antenna array so that the transponder is positioned over the antenna elements.

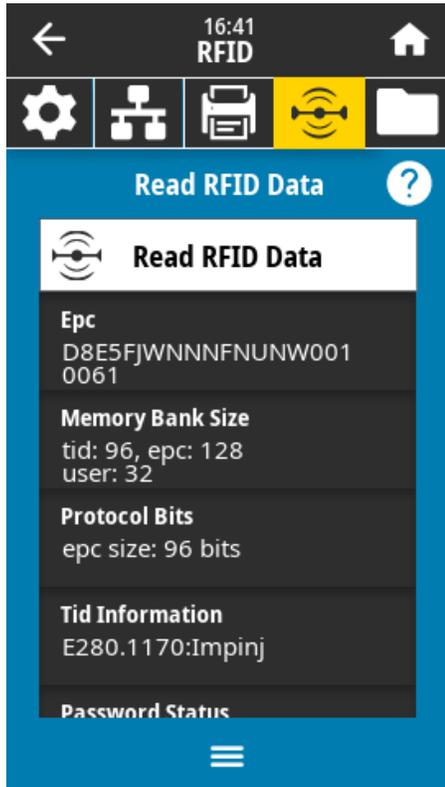


8. Use the control panel to go to **RFID > Read RFID Data**.



9. Touch **Read RFID Data**.

If the reader is installed correctly, the printer displays the data from the RFID test label.

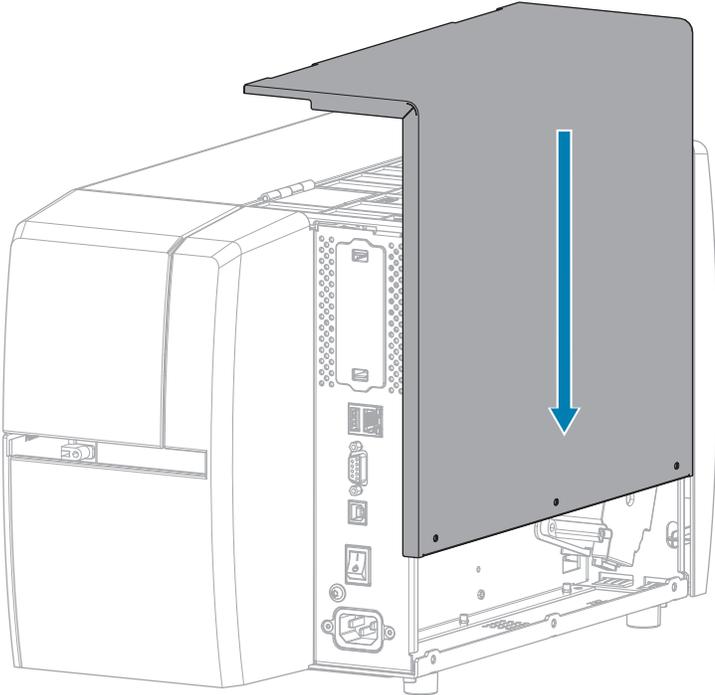


10. Does the display show data from the RFID test label?

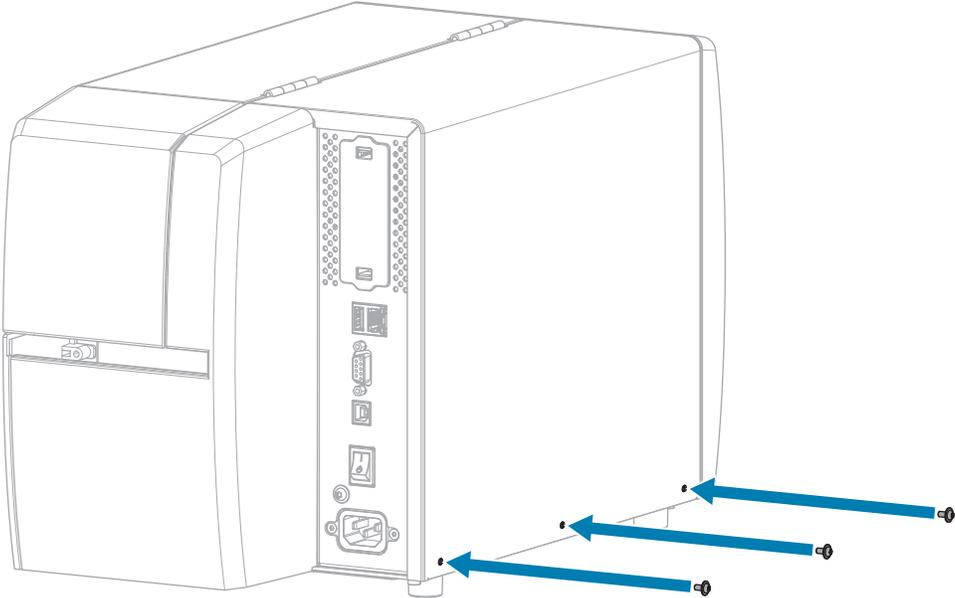
If...	Then...
Yes	Continue with the next section.
No	<ol style="list-style-type: none">1. Verify that the transponder is over the RFID antenna array.2. Check the connection on both ends of the RFID cable.3. Repeat the Read RFID Data test.

Install the Electronics Cover

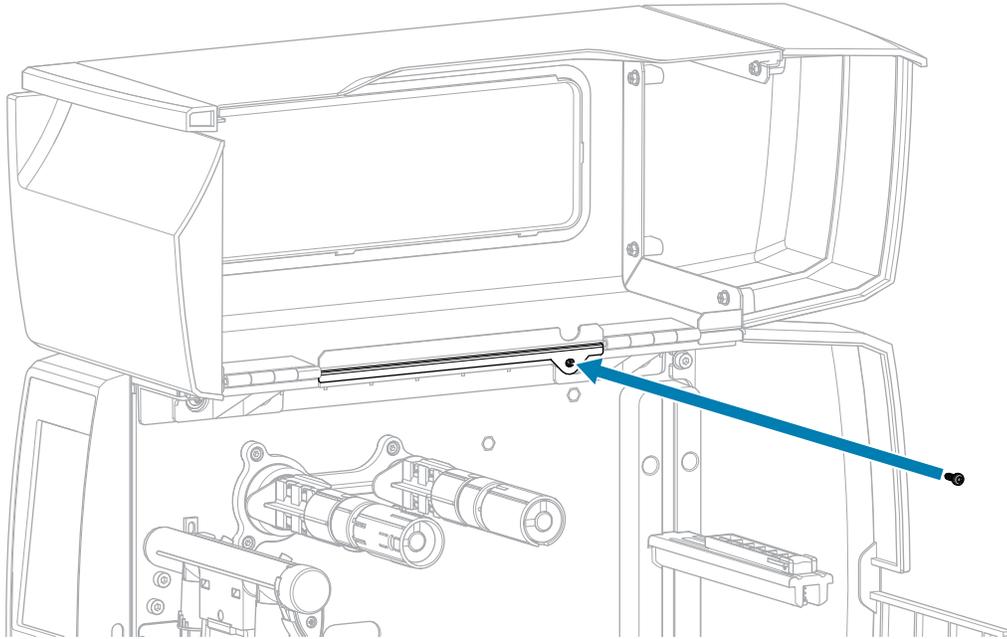
- 1. Slide the electronics cover onto the printer.



- 2. Install the three T10 screws that secure the electronics cover to the electronics side of the printer.

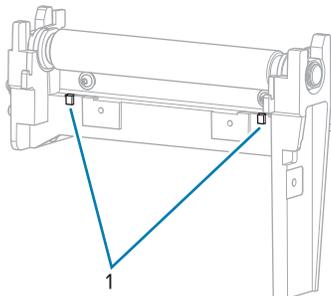


3. Install the  T10 screw that secures the electronics cover to the media side of the printer.

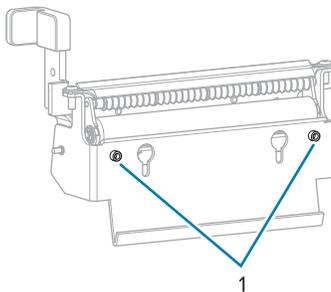


Install the Peel Assembly

1. Locate the metal projections (1) on the printer where the peel assembly will be mounted.

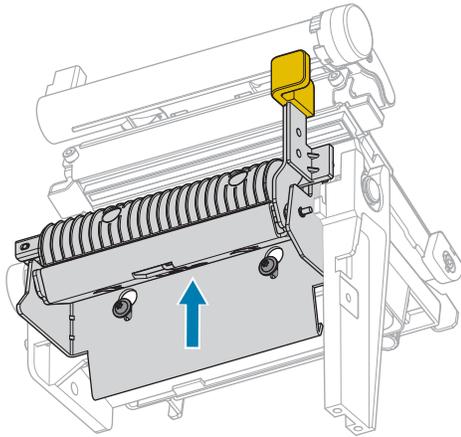


2. Locate the standoffs (1) on the back of the peel assembly.

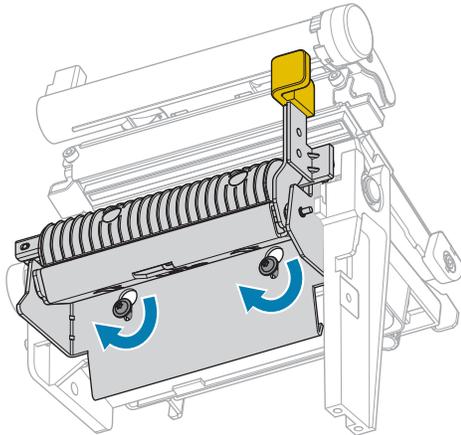


When the peel assembly is installed, these standoffs rest on top of the metal projections.

-
3. Slide the peel assembly over the mounting screws, rock the assembly back toward the platen roller and then down so that the standoffs rest on the metal projections, and then raise the assembly into place.



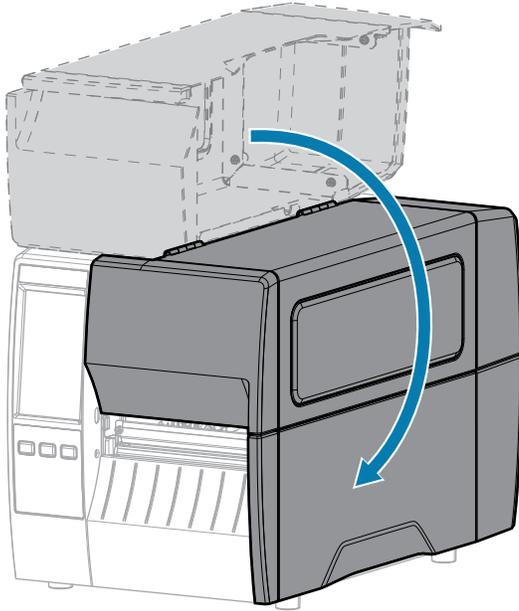
4. Tighten the two \star T10 mounting screws to secure the peel assembly to the printer.



Resume Printer Operation

1. Reinstall media and ribbon (if used).
2. Close the printhead assembly.

3. Close the media cover.



4. Reconnect the AC power cord and interface cables.
5. Turn on the printer power.

Install the RFID Module with the Cutter Option

Follow the instructions in this section if your printer has the Cutter option.

Table 4 Are you replacing an existing RFID module?

If...	Then...
No	Go to Install a New RFID Module with the Cutter Option on page 57
Yes	Go to Replace an Existing RFID Module with the Cutter Option on page 72

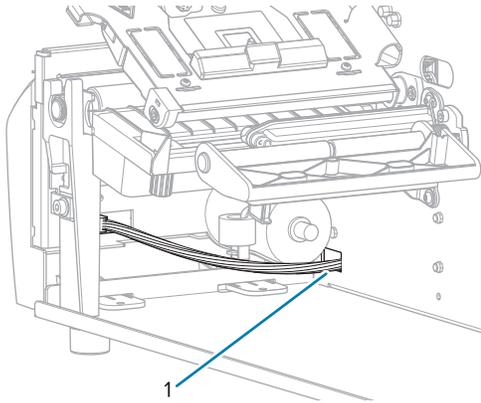
Install a New RFID Module with the Cutter Option

Follow the instructions in this section to install an RFID module in a printer that did not have one previously.

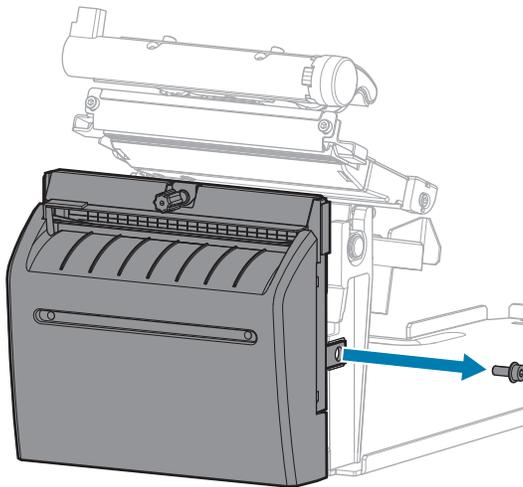
Remove the Cutter Assembly

1. Remove the cutter catch tray (if installed).

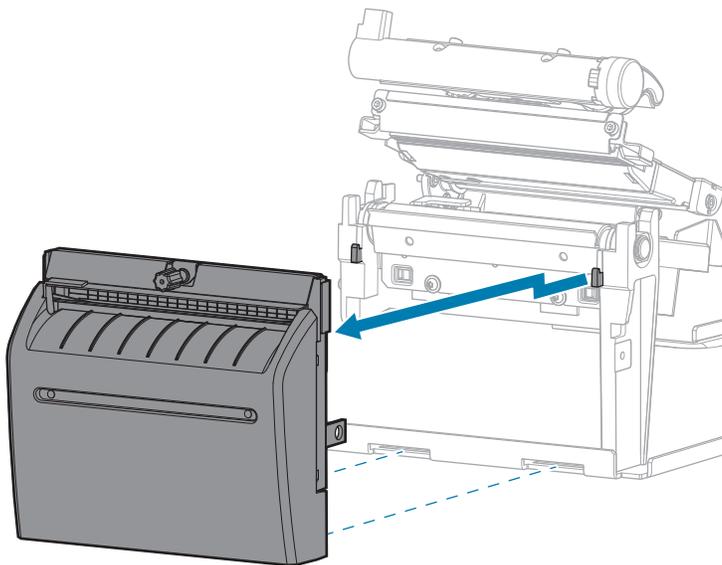
2. Disconnect the cutter cable (1) from the cutter assembly.



3. Remove the 3mm mounting screw that secures the cutter assembly to the printer.

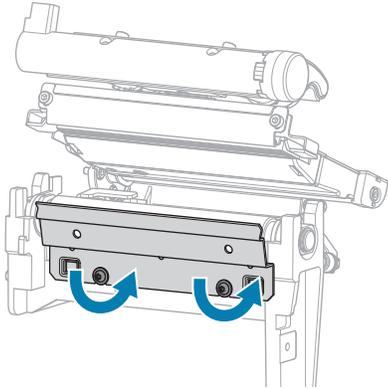


4. Lift the cutter slightly to disengage it from the mounting hooks, and remove the cutter assembly from the printer.

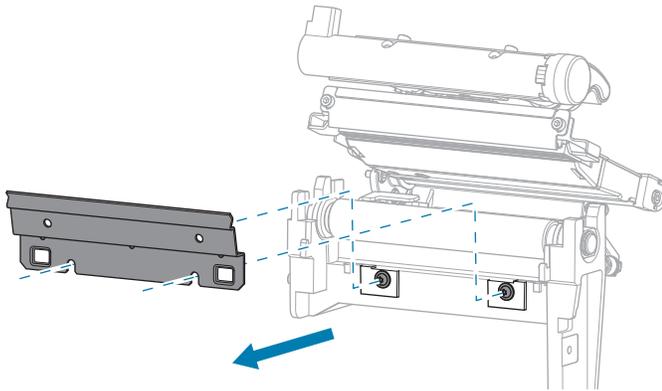


Remove the Tear Bar

1. Loosen the two  T10 mounting screws that secure the tear bar to the printer.

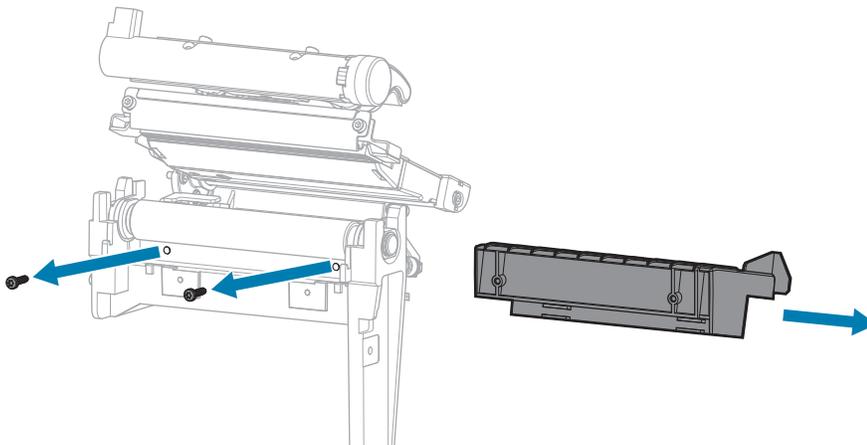


2. Lift the tear bar from the mounting screws, and remove it from the printer.

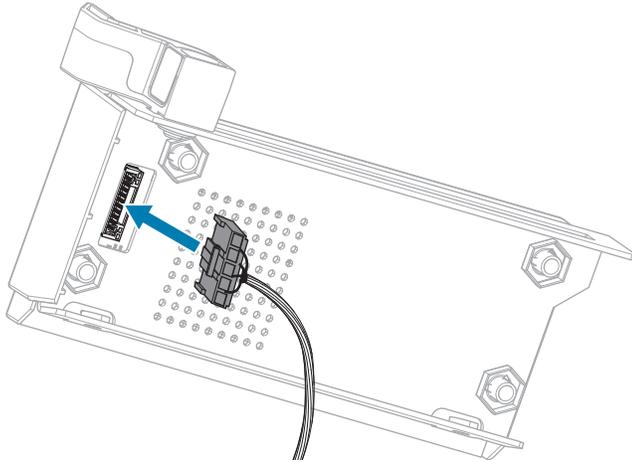


Replace the Media Guide Assembly with the RFID Module

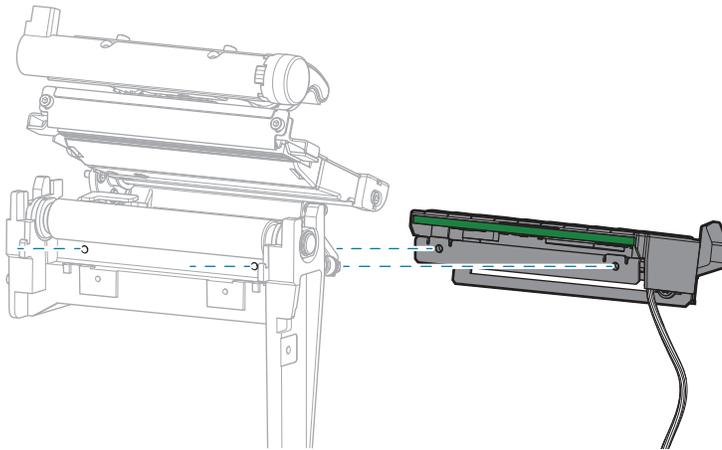
1. Remove the two  T10 mounting screws that secure the media guide assembly to the printer, and then remove the media guide assembly.



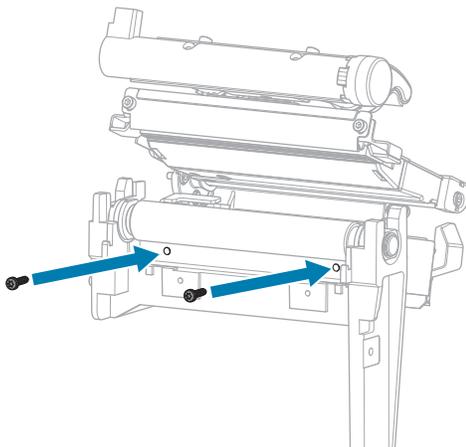
-
2. Connect the RFID cable to the underside of the RFID module.



3. Align the holes on the front of the RFID module with the holes for the mounting screws.

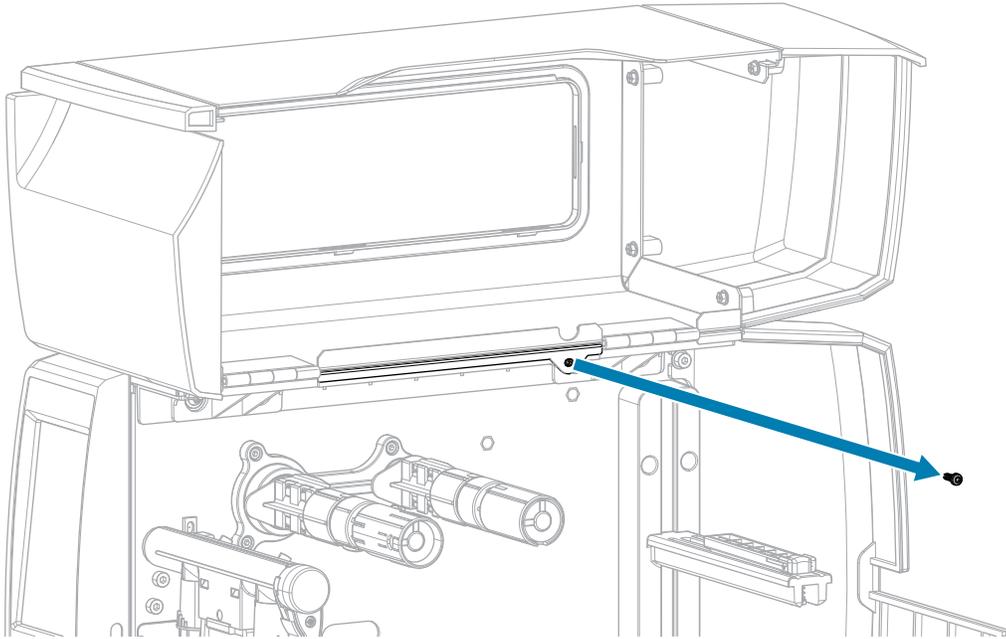


4. Secure the RFID module to the printer using two  T10 mounting screws.

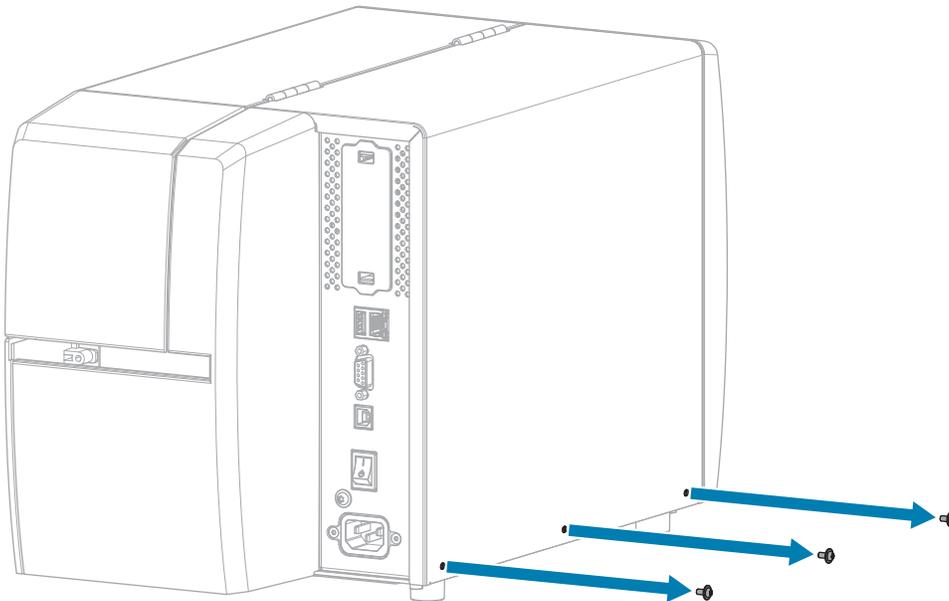


Remove the Electronics Cover

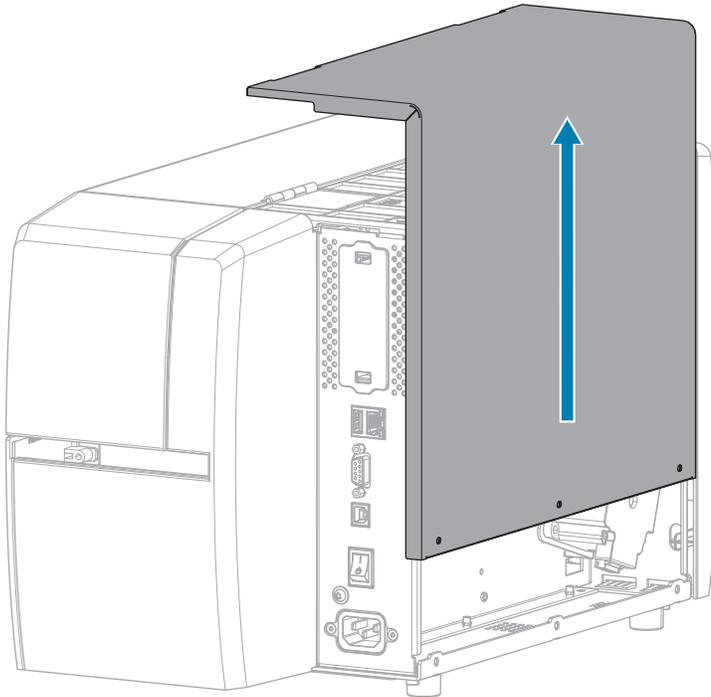
1. Remove the  T10 screw that secures the electronics cover to the media side of the printer.



2. Remove the three  T10 screws that secure the electronics cover to the electronics side of the printer.



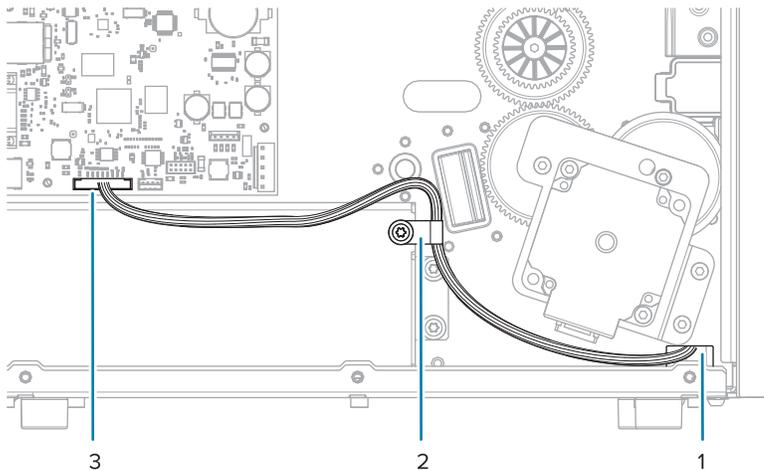
3. Lift the electronics cover off of the printer.



Connect the RFID Cable to the MLB

Route the RFID cable from the media side of the printer and connect it to the Main Logic Board (MLB).

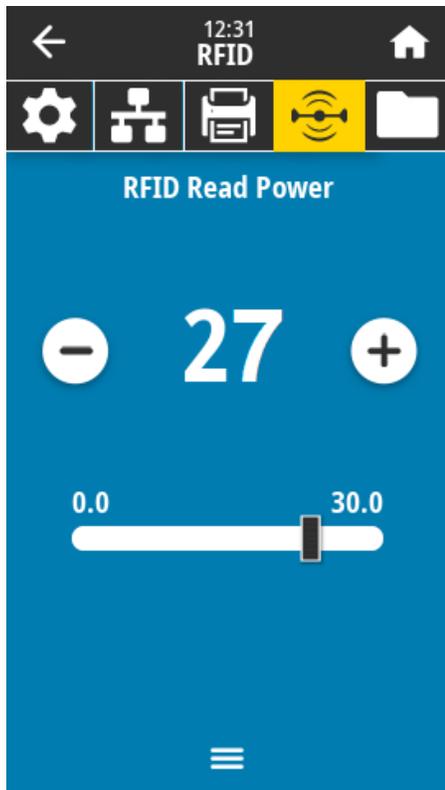
- a) Thread the end of the RFID cable through the hole (1) from the media side of the printer.
- b) Remove the  T20 screw that secures the wire routing clip (2) to the power supply.
- c) Run the RFID cable through the clip.
- d) Secure the clip to the power supply.
- e) Connect the RFID cable to J2 (3) on the MLB.



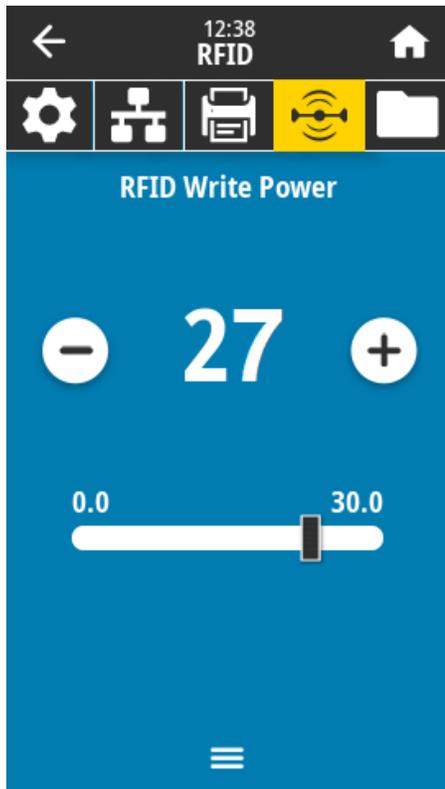
Verify Operation of the RFID Module

Complete this section if you only have the RFID test labels from the RFID kit available. If you have your own RFID labels, use them and the RFID wizard (**Home > Wizards > RFID**) to verify operation.

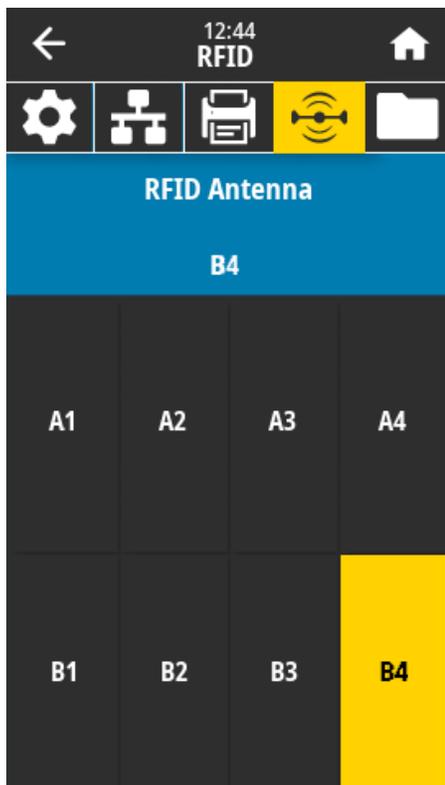
1. Reconnect the AC power cord.
2. Turn on the printer.
3. If prompted for the RFID country code, select the appropriate value.
4. Use the control panel to go to **RFID > Read Power** and set the value to **27**.



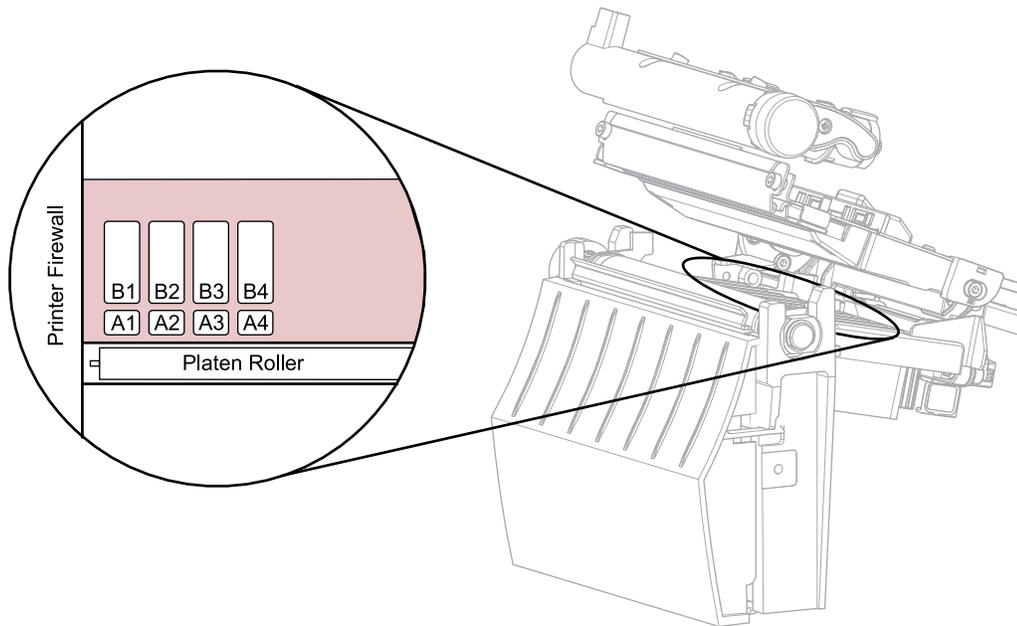
5. Go to **RFID > Write Power** and set the value to **27**.



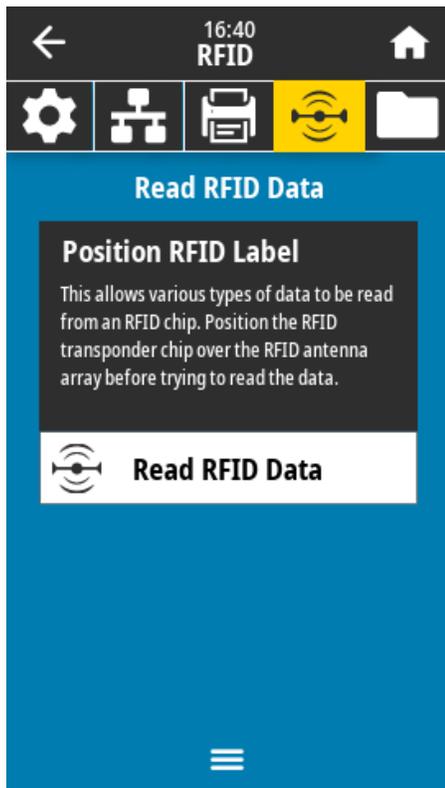
6. Go to **RFID > RFID Antenna** and select **B4**.



7. Position an RFID test label over the RFID antenna array so that the transponder is positioned over the antenna elements.

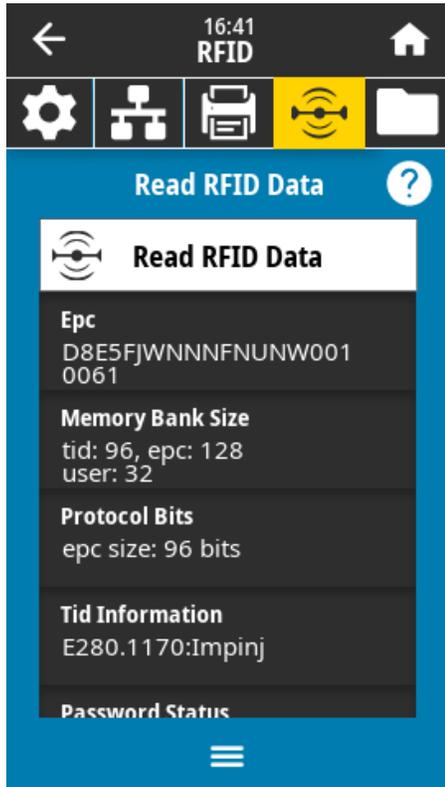


8. Use the control panel to go to **RFID > Read RFID Data**.



9. Touch **Read RFID Data**.

If the reader is installed correctly, the printer displays the data from the RFID test label.

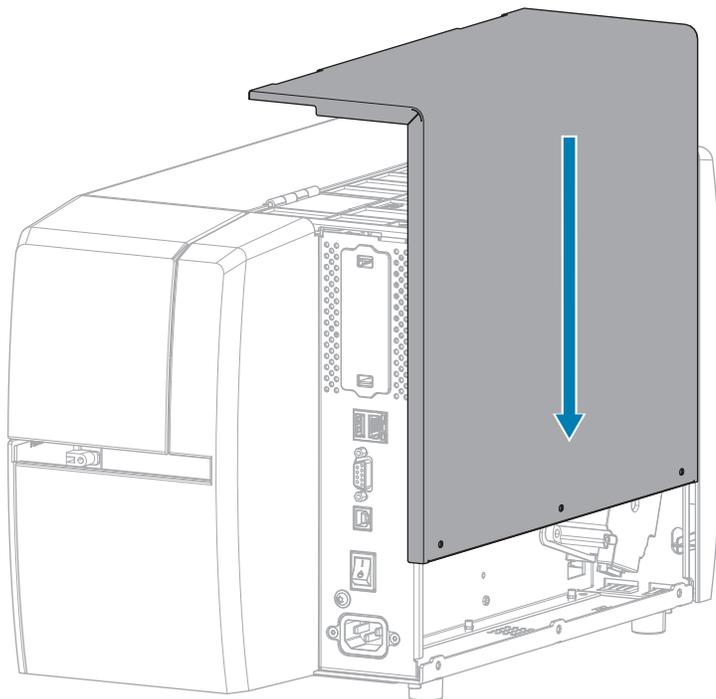


10. Does the display show data from the RFID test label?

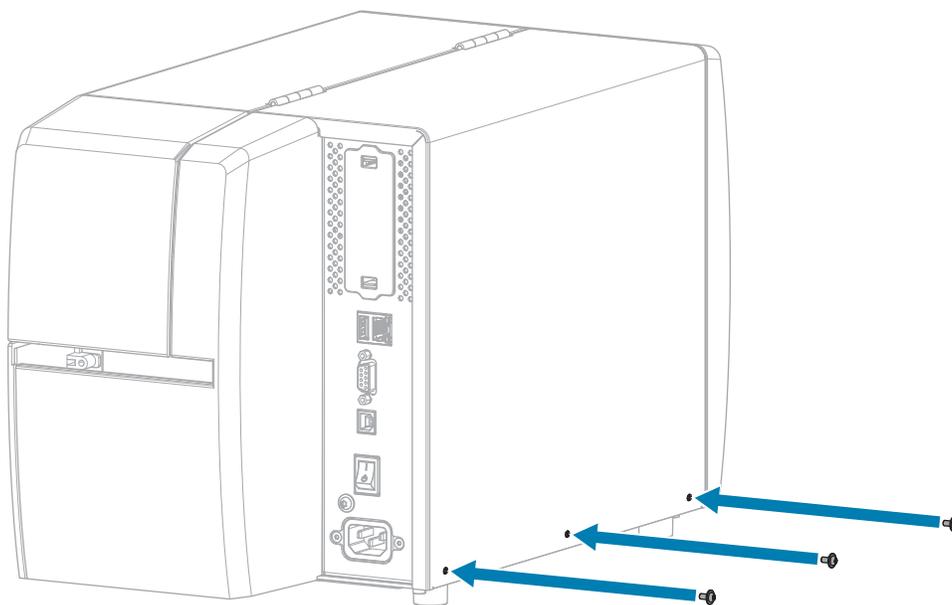
If...	Then...
Yes	Continue with the next section.
No	<ol style="list-style-type: none">1. Verify that the transponder is over the RFID antenna array.2. Check the connection on both ends of the RFID cable.3. Repeat the Read RFID Data test.

Install the Electronics Cover

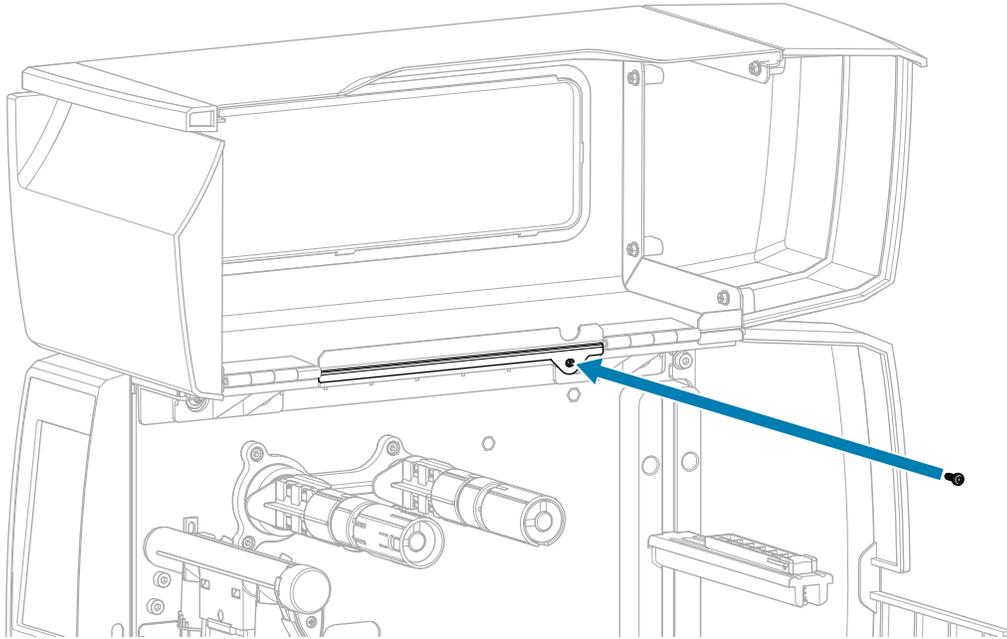
1. Slide the electronics cover onto the printer.



2. Install the three  T10 screws that secure the electronics cover to the electronics side of the printer.

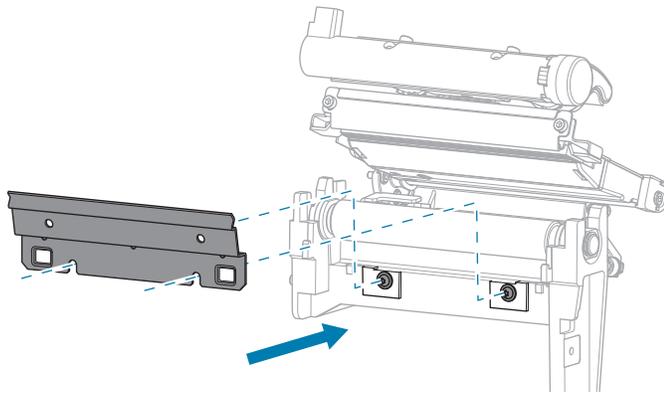


3. Install the  T10 screw that secures the electronics cover to the media side of the printer.

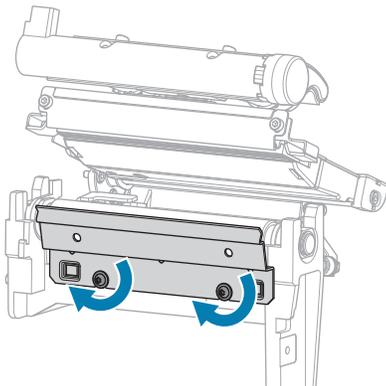


Install the Tear Bar

1. Slide the tear bar over the mounting screws on the printer.



2. Tighten the two  T10 mounting screws to secure the tear bar to the printer.

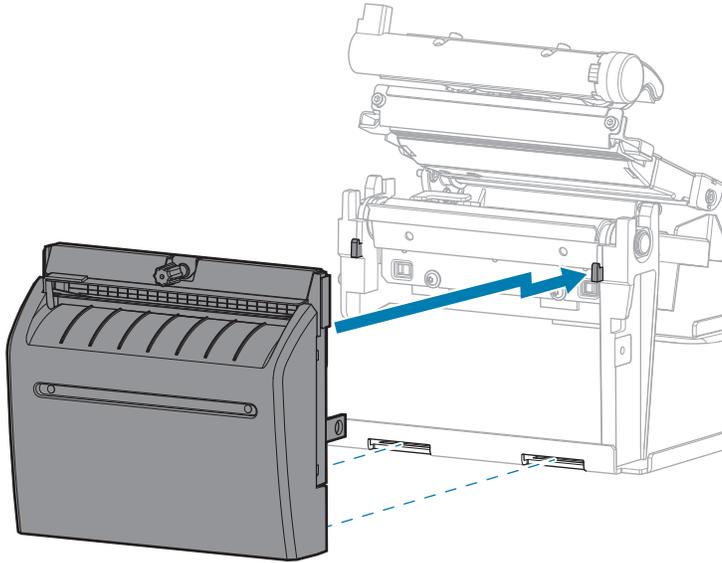


Install the Cutter Assembly

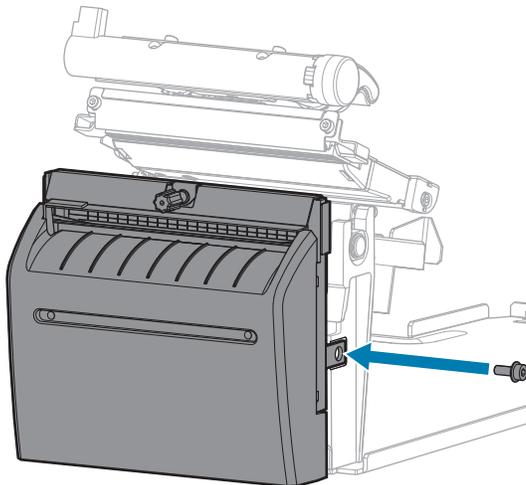


CAUTION: The cutter blade is sharp. Do not touch or rub the blade with your fingers.

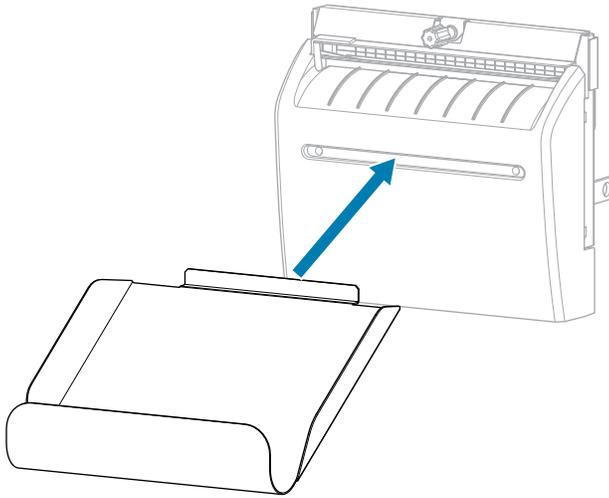
1. Slide the cutter assembly onto the mounting hooks, ensuring that the tabs slide into the slots on the printer base.



2. Install the ● 3mm mounting screw that secures the cutter assembly to the printer.

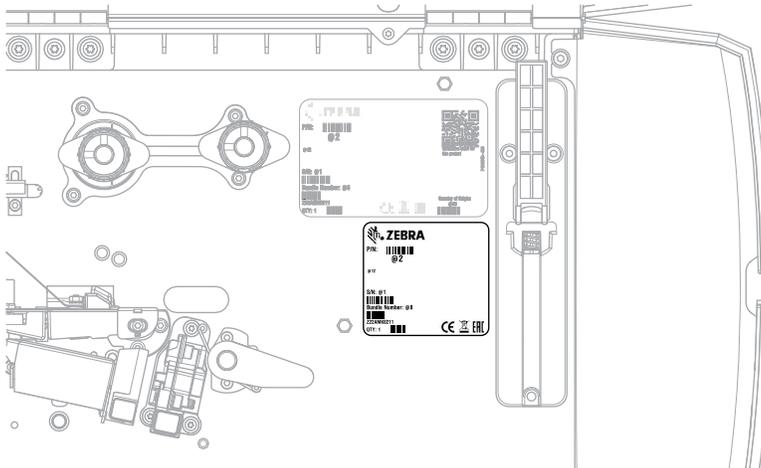


3. Install the cutter catch tray (if desired).

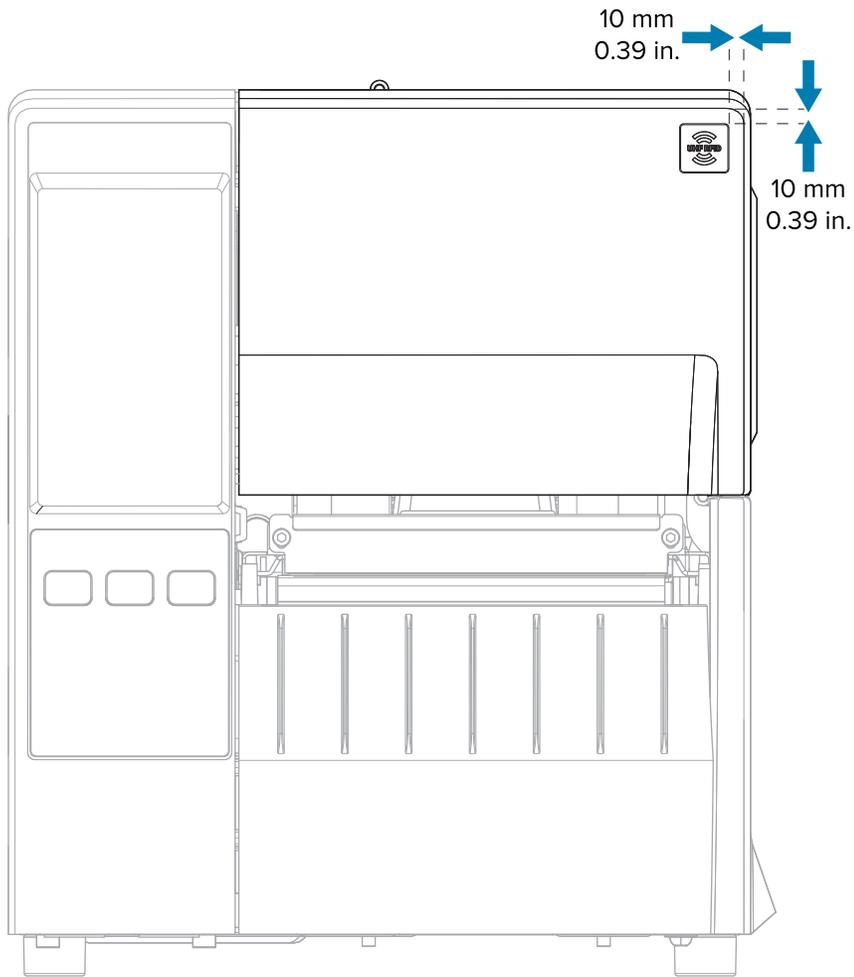


Affix the RFID Sticker and Badge

1. On the inside wall of the printer, install the RFID serial number sticker in the position shown.



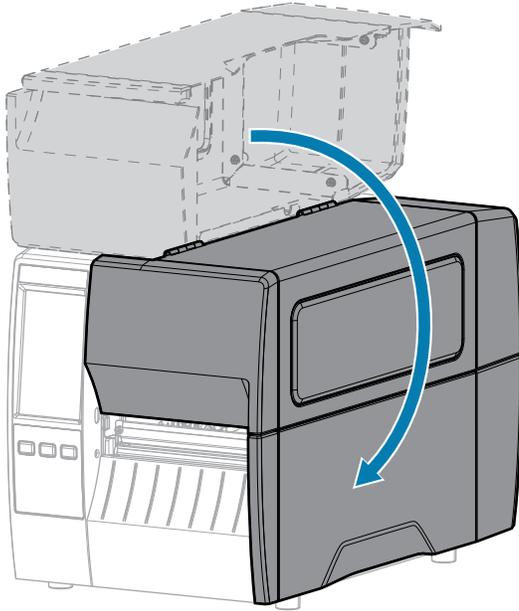
2. Remove the backing from the RFID badge, and adhere it to the top-right corner of the media door as shown.



Resume Printer Operation

1. Reinstall media and ribbon (if used).
2. Close the printhead assembly.

3. Close the media cover.



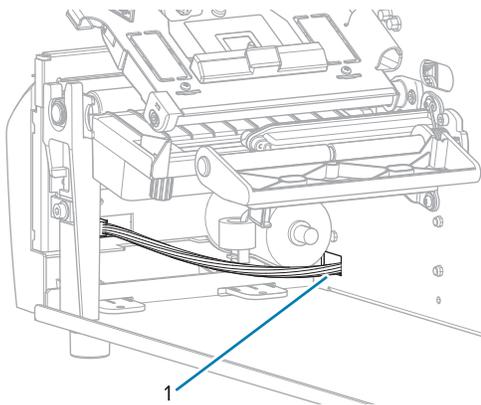
4. Reconnect the AC power cord and interface cables.
5. Turn on the printer power.

Replace an Existing RFID Module with the Cutter Option

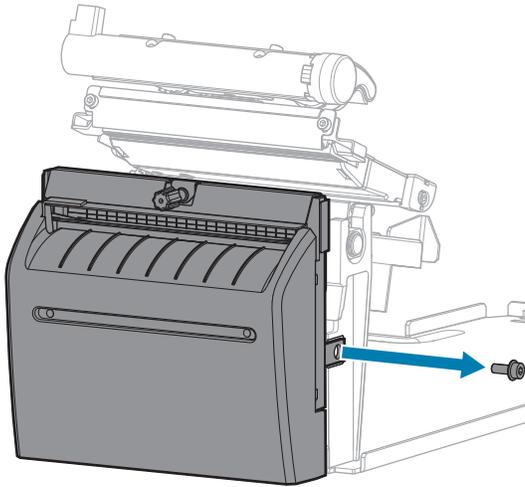
Follow the instructions in this section to replace an old RFID module.

Remove the Cutter Assembly

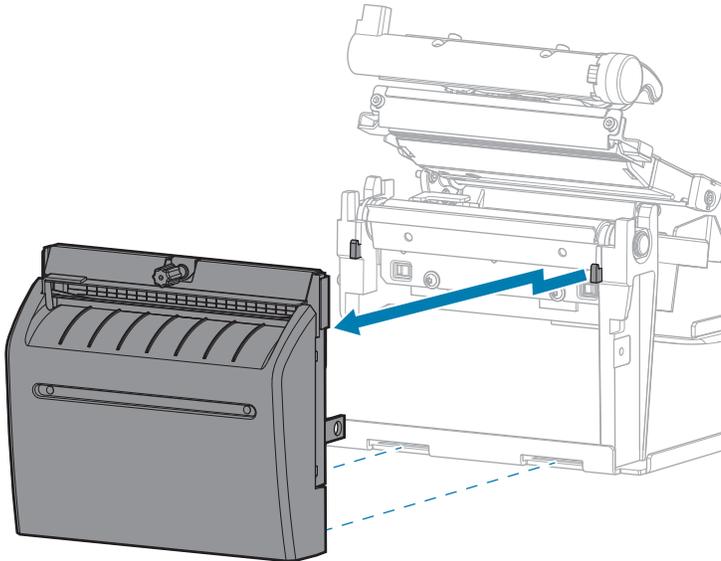
1. Remove the cutter catch tray (if installed).
2. Disconnect the cutter cable (1) from the cutter assembly.



-
3. Remove the ● 3mm mounting screw that secures the cutter assembly to the printer.

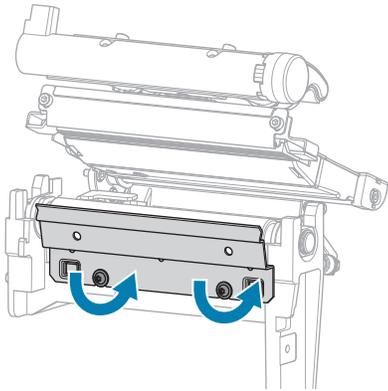


4. Lift the cutter slightly to disengage it from the mounting hooks, and remove the cutter assembly from the printer.

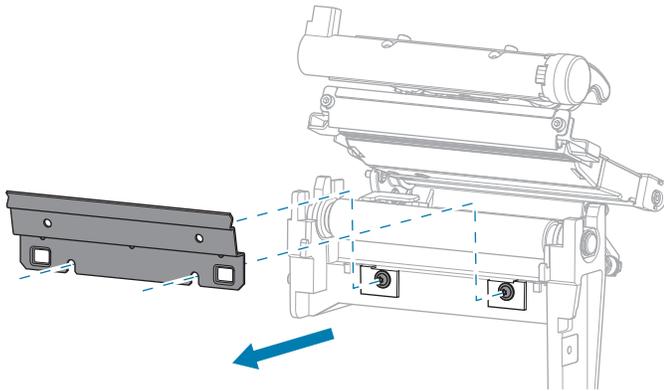


Remove the Tear Bar

1. Loosen the two  T10 mounting screws that secure the tear bar to the printer.

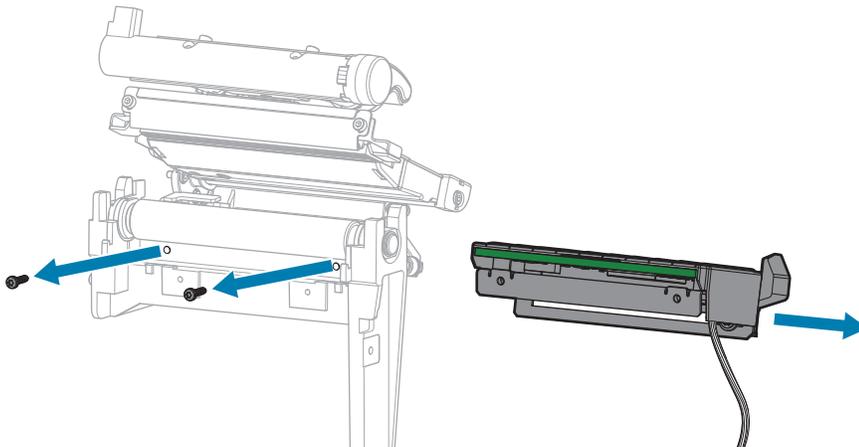


2. Lift the tear bar from the mounting screws, and remove it from the printer.

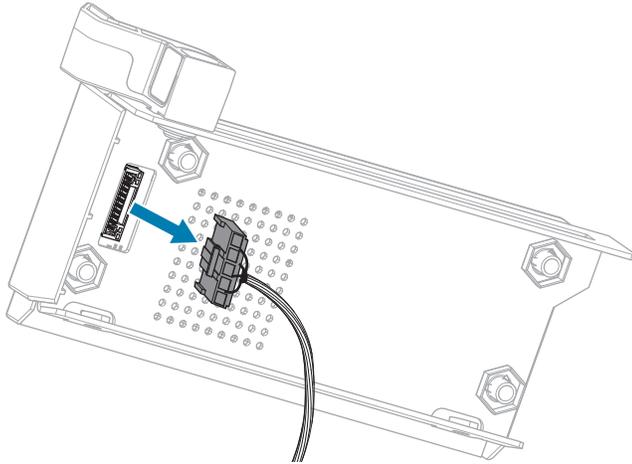


Replace the Old RFID Module

1. Remove the two  T10 mounting screws that secure the RFID module to the printer, and then remove the RFID module.

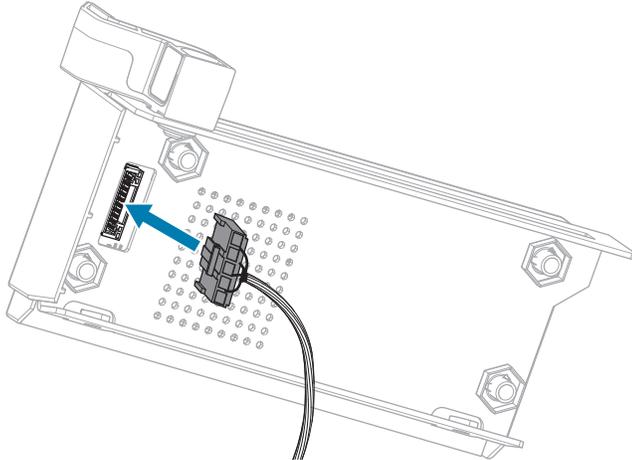


2. Disconnect the RFID cable from the underside of RFID module.

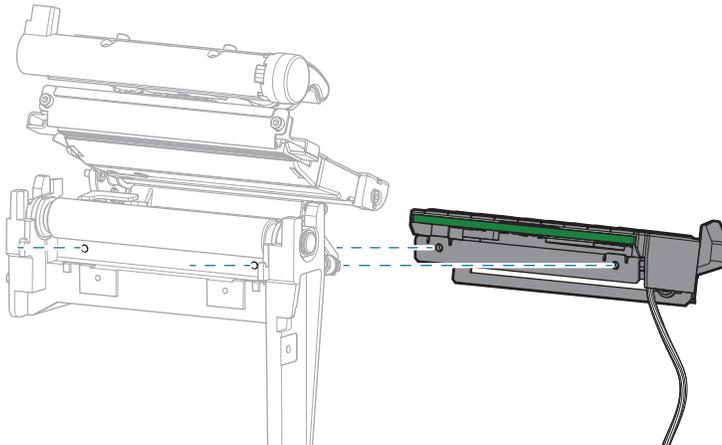


3. Discard the old RFID module.

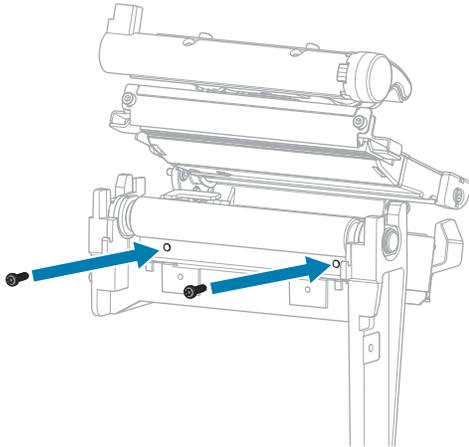
4. Connect the new RFID cable to the underside of the new RFID module.



5. Align the holes on the front of the RFID module with the holes for the mounting screws.

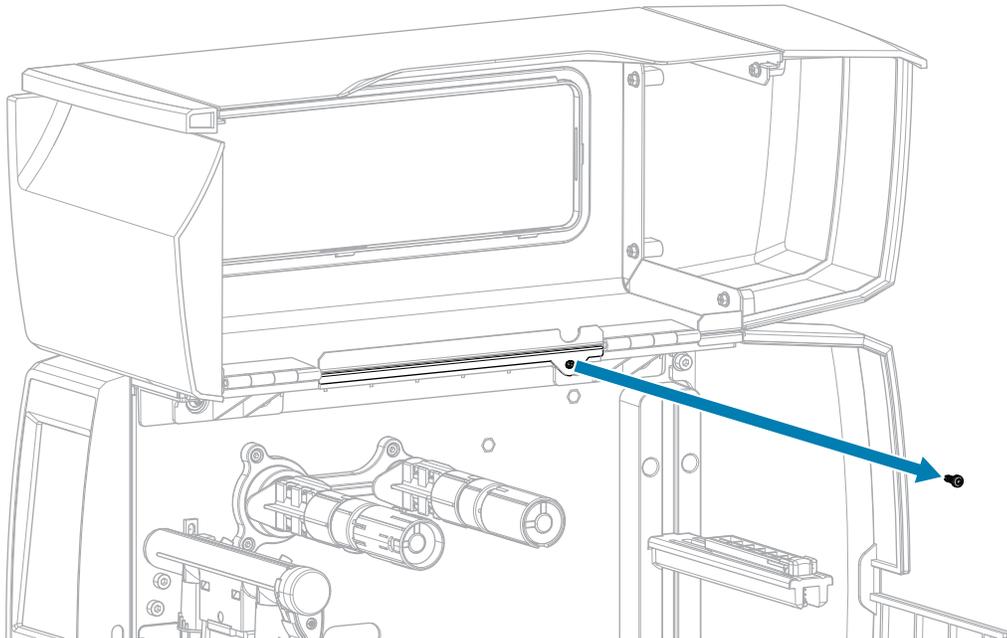


6. Secure the RFID module to the printer using two  T10 mounting screws.

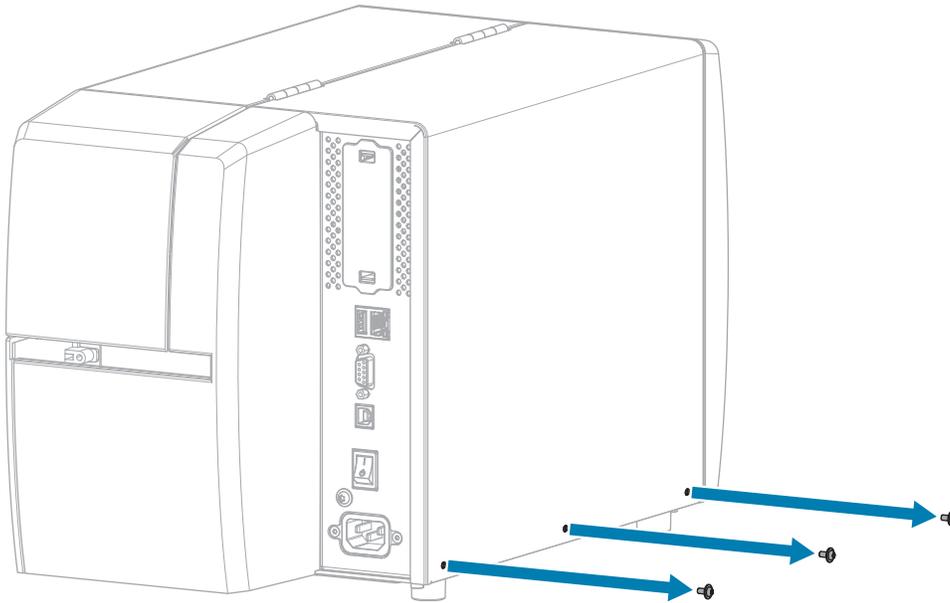


Remove the Electronics Cover

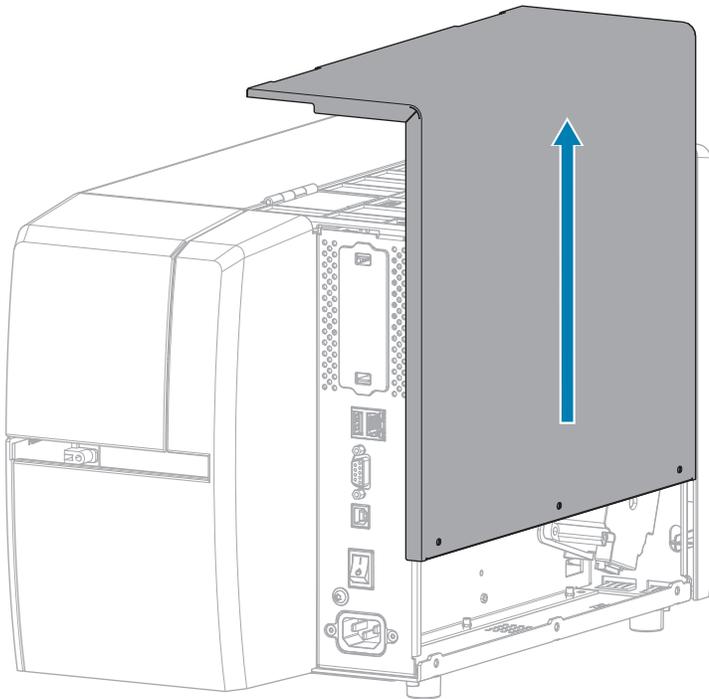
1. Remove the  T10 screw that secures the electronics cover to the media side of the printer.



2. Remove the three  T10 screws that secure the electronics cover to the electronics side of the printer.



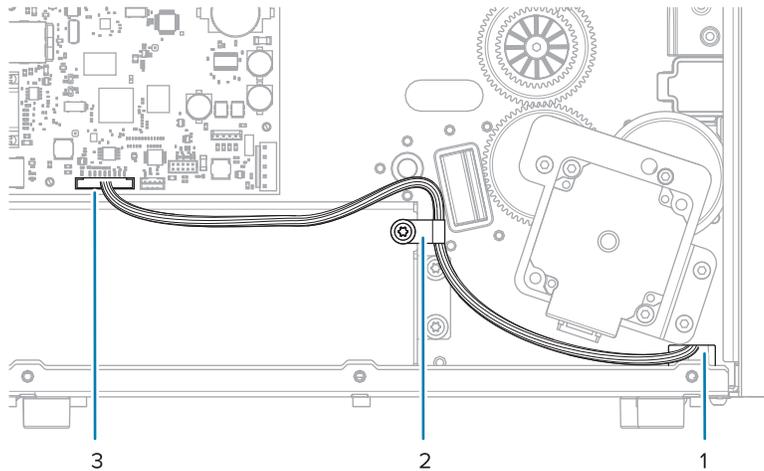
3. Lift the electronics cover off of the printer.



Connect the New RFID Cable

1. Disconnect the old RFID cable from the MLB and discard it.

2. Route the RFID cable from the media side of the printer and connect it to the Main Logic Board (MLB).
 - a) Thread the end of the RFID cable through the hole (1) from the media side of the printer.
 - b) Remove the  T20 screw that secures the wire routing clip (2) to the power supply.
 - c) Run the RFID cable through the clip.
 - d) Secure the clip to the power supply.
 - e) Connect the RFID cable to J2 (3) on the MLB.

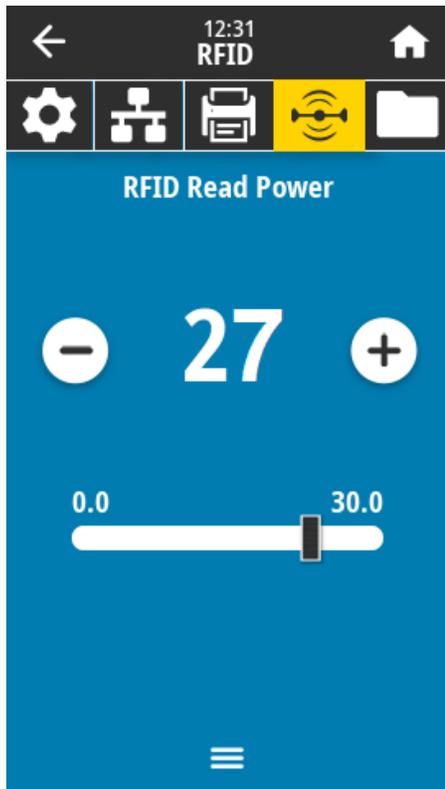


Verify Operation of the RFID Module

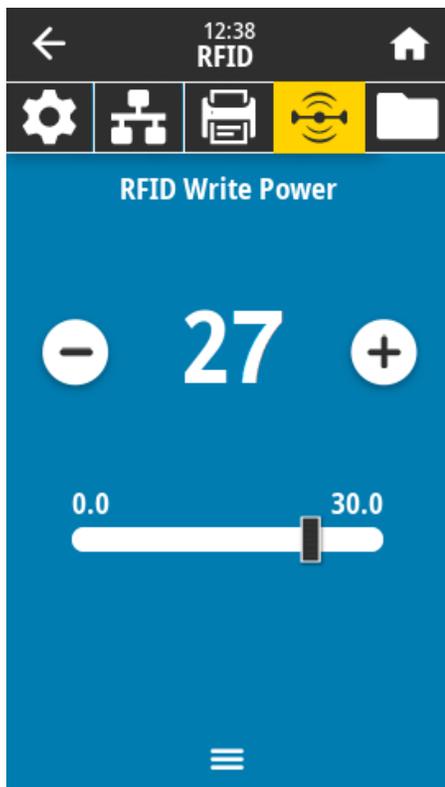
Complete this section if you only have the RFID test labels from the RFID kit available. If you have your own RFID labels, use them and the RFID wizard (**Home > Wizards > RFID**) to verify operation.

1. Reconnect the AC power cord.
2. Turn on the printer.
3. If prompted for the RFID country code, select the appropriate value.

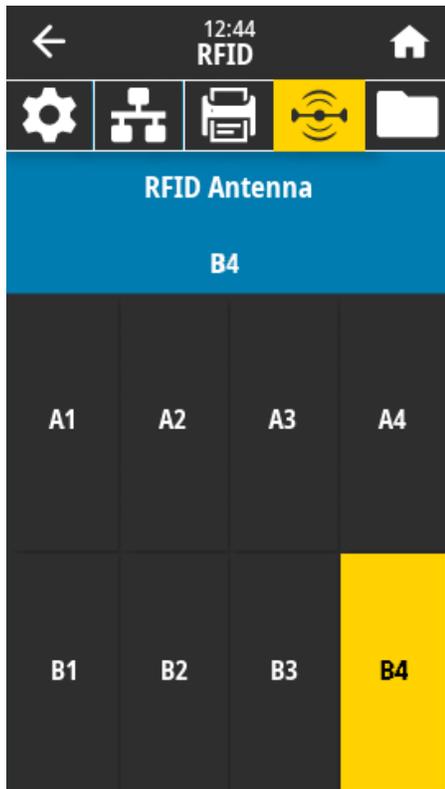
4. Use the control panel to go to **RFID > Read Power** and set the value to **27**.



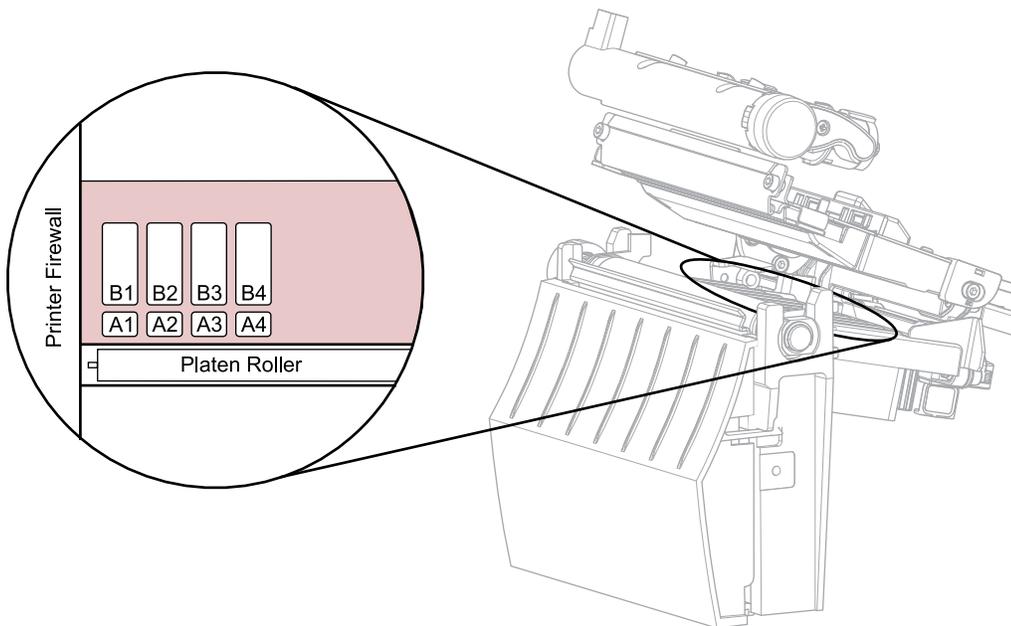
5. Go to **RFID > Write Power** and set the value to **27**.



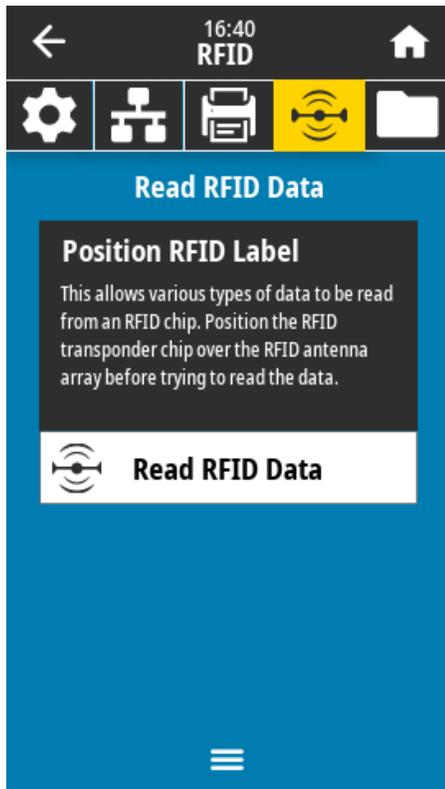
6. Go to **RFID** > **RFID Antenna** and select **B4**.



7. Position an RFID test label over the RFID antenna array so that the transponder is positioned over the antenna elements.

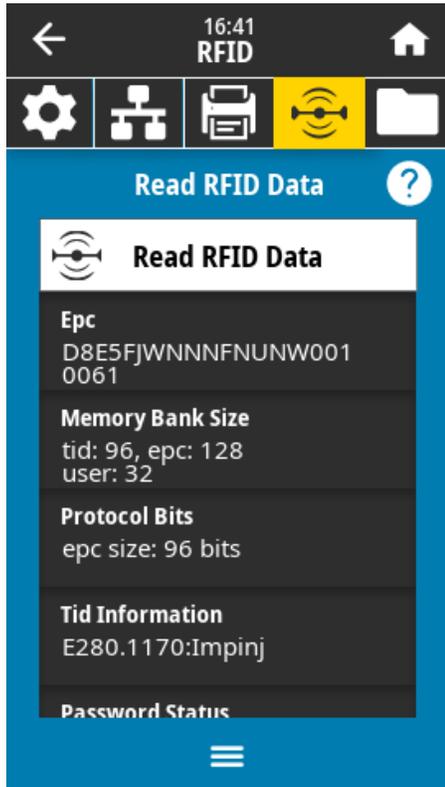


8. Use the control panel to go to **RFID > Read RFID Data**.



9. Touch **Read RFID Data**.

If the reader is installed correctly, the printer displays the data from the RFID test label.

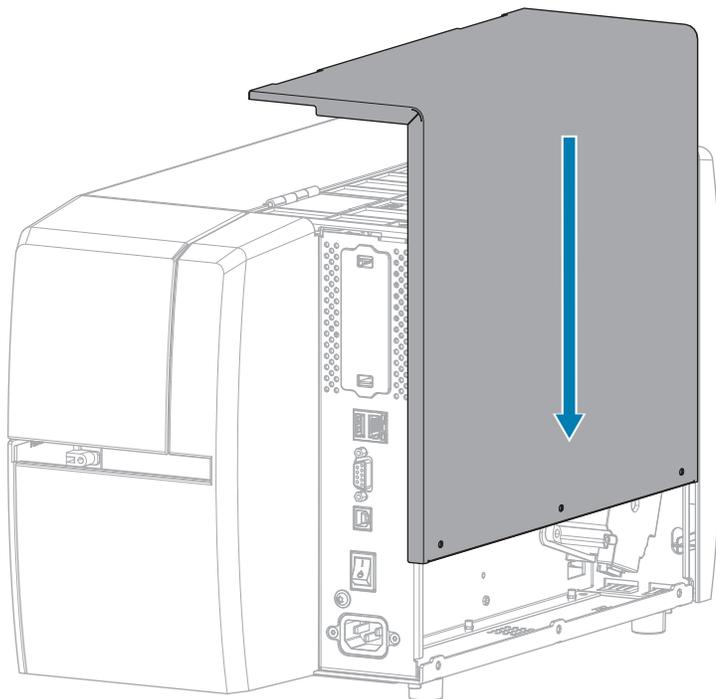


10. Does the display show data from the RFID test label?

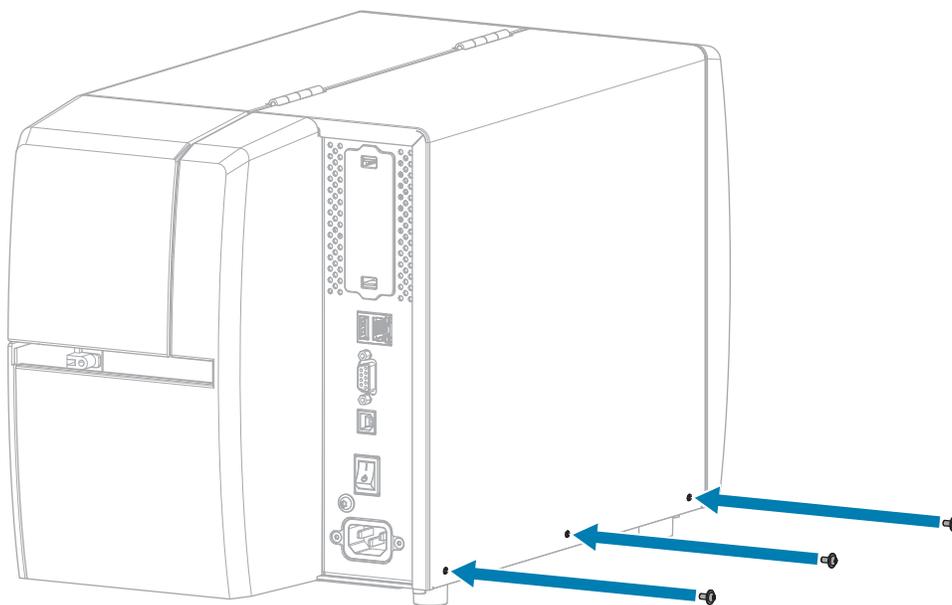
If...	Then...
Yes	Continue with the next section.
No	<ol style="list-style-type: none">1. Verify that the transponder is over the RFID antenna array.2. Check the connection on both ends of the RFID cable.3. Repeat the Read RFID Data test.

Install the Electronics Cover

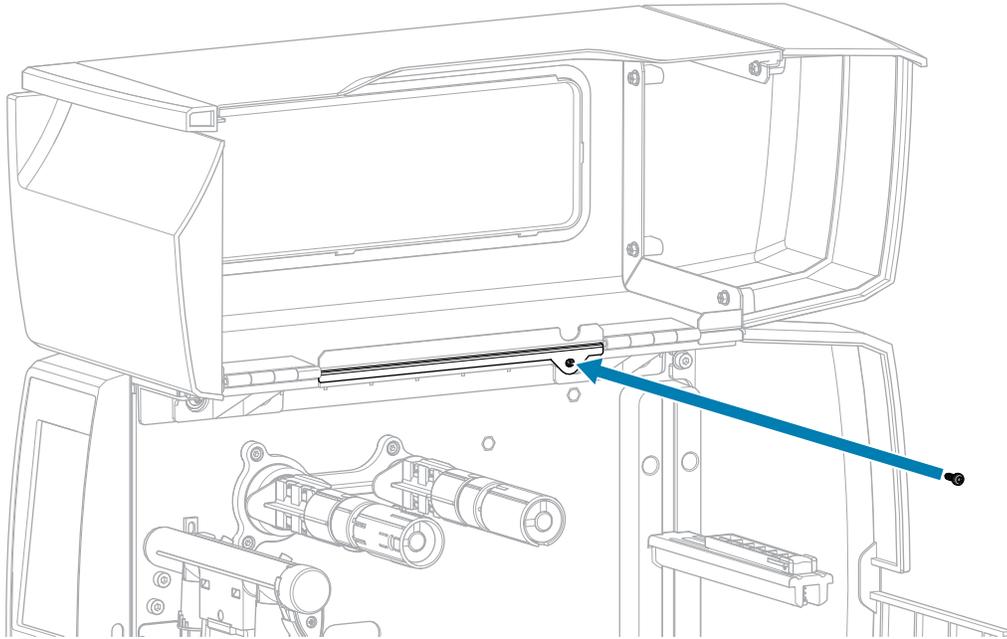
1. Slide the electronics cover onto the printer.



2. Install the three  T10 screws that secure the electronics cover to the electronics side of the printer.

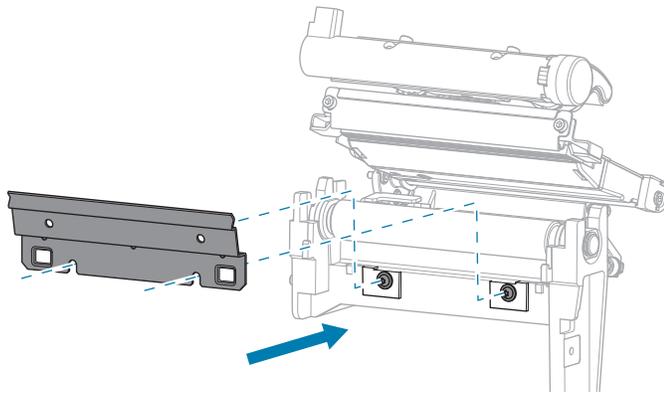


3. Install the  T10 screw that secures the electronics cover to the media side of the printer.

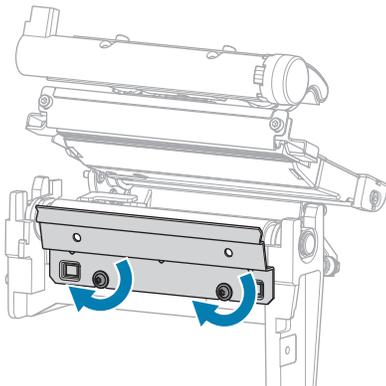


Install the Tear Bar

1. Slide the tear bar over the mounting screws on the printer.



2. Tighten the two  T10 mounting screws to secure the tear bar to the printer.

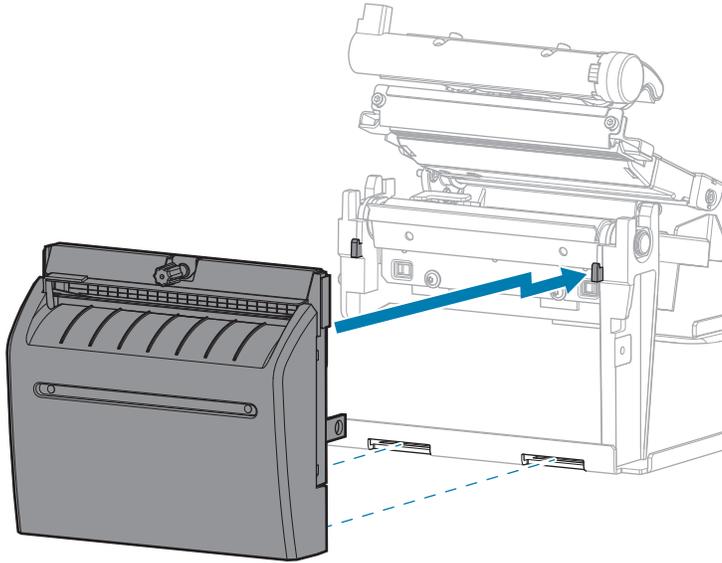


Install the Cutter Assembly

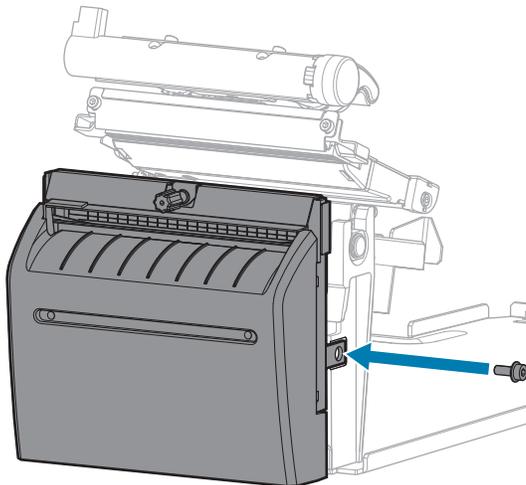


CAUTION: The cutter blade is sharp. Do not touch or rub the blade with your fingers.

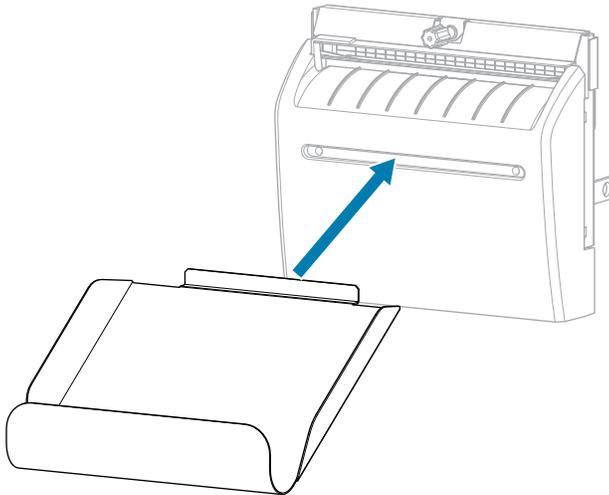
1. Slide the cutter assembly onto the mounting hooks, ensuring that the tabs slide into the slots on the printer base.



2. Install the ● 3mm mounting screw that secures the cutter assembly to the printer.

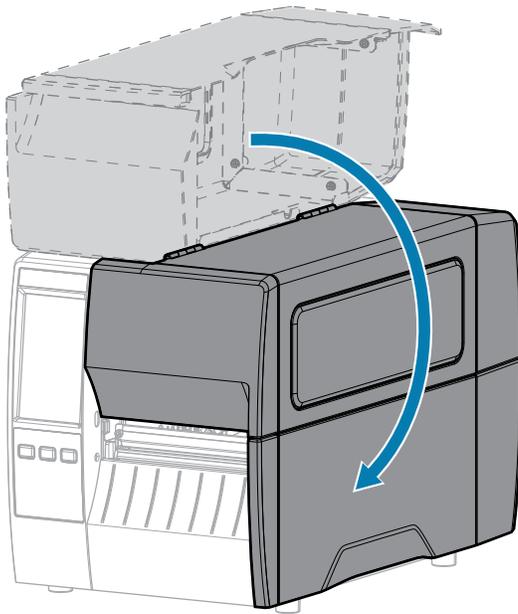


3. Install the cutter catch tray (if desired).



Resume Printer Operation

1. Reinstall media and ribbon (if used).
2. Close the printhead assembly.
3. Close the media cover.



4. Reconnect the AC power cord and interface cables.
5. Turn on the printer power.