



Rewind Drive System Maintenance Kit

Installation Instructions

This kit includes the parts and documentation necessary to install the Rewind Drive System Maintenance Kit in the ZT610™ and ZT620™ printers.

Read these instructions thoroughly before installing this kit.

Parts List

Before proceeding, verify that your kit contains one or the other of the kits for your printer listed below.

Figure 1 • Kit Contents

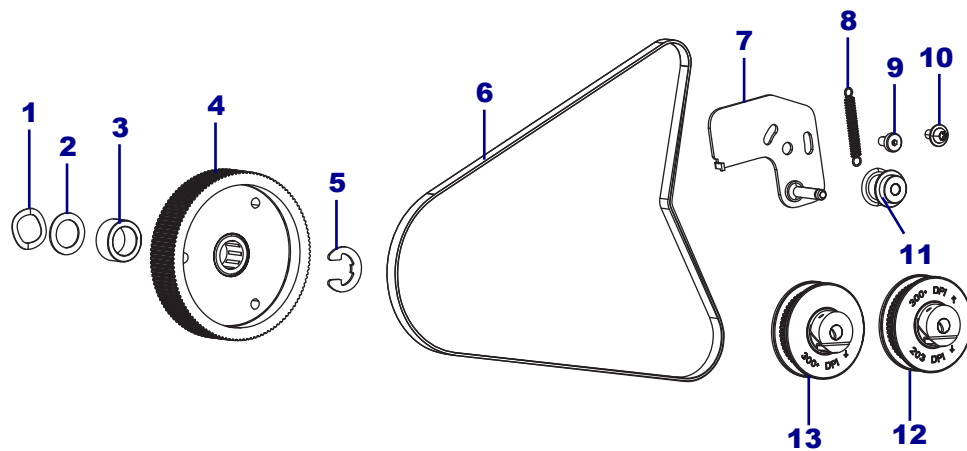


Table 1 • Parts List

✓	Item	Qty	Description
	Ref	1	ZT610 and ZT620 Rewind Drive System Maintenance Kit
	1	1	Wave Washer, 0.74 × 0.52 × 0.08 (Sold in quantities of 25)
	2	1	Flat Washer, 0.76 × 0.51 × 0.03 (sold in quantities of 25)
	3	1	Spacer
	4	1	Rewind Take-up Pulley
	5	1	E-Ring, 0.50 × 0.042 (sold in quantities of 25)
	6	1	Drive Belt Maintenance Kit
	7	1	Tensioner Bracket
	8	1	Extension Spring, included in the Idler Pulley and Tension Spring Maintenance Kit
	9	1	Shoulder Screw
	10	1	Torx-Head Screw, M4 × 8, included in Miscellaneous Hardware Kit, P1083320-096
	11	1	Idler Pulley, included in the Idler Pulley and Tension Spring Maintenance Kit
	12	1	203 dpi Rewind Pulley
	13	1	300 dpi Rewind Pulley
N/A = Not available as a separate part (listed for identification purposes only). Bold = Part available for purchase. <i>Light italic</i> = Part not available for purchase, listed and shown for reference only.			

Tools Required



Tools • You need these tools to complete this procedure:

- ☐ Torx-Head Wrench Set
- ☐ Needle Nose Pliers
- ☐ Antistatic Wriststrap and Mat

Remove the Electronics Cover



Note • Retain all parts removed during disassembly, unless otherwise directed.



1. **Caution •** Turn off (O) the printer and disconnect it from the power source before performing the following procedure.

Turn off (O) the printer and disconnect the AC power cord and all data cables.

2.

Caution •

While performing any tasks near an open printhead, remove all rings, watches, hanging necklaces, identification badges, or other metallic objects that could touch the printhead.

Remove the media and ribbon from the printer.



3.

Caution •

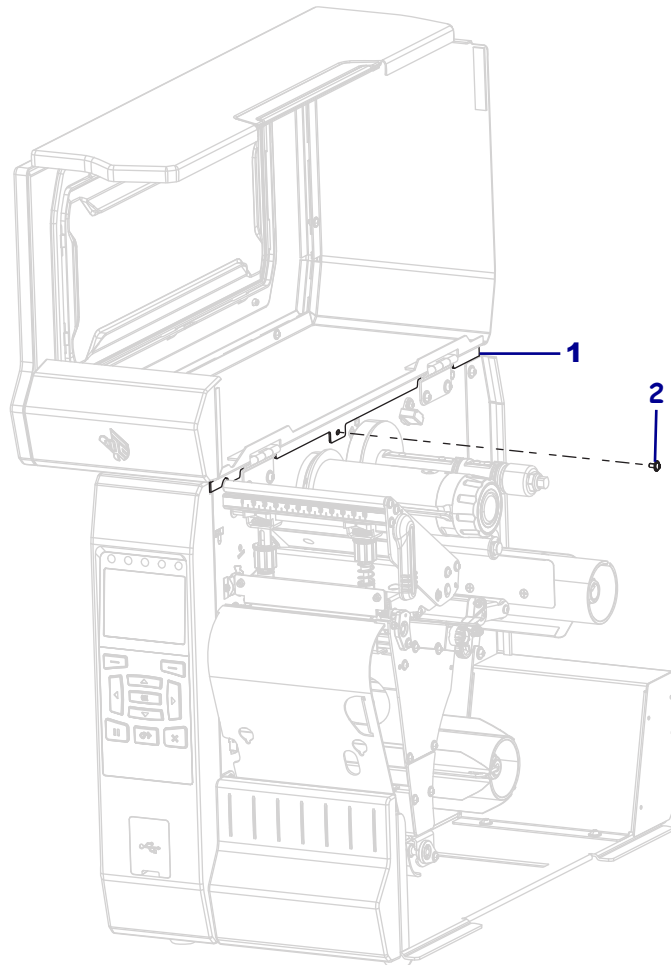
Observe proper electrostatic safety precautions when handling static-sensitive components such as circuit boards and printheads.

Connect yourself to an antistatic device.

4.

See [Figure 2](#). Open the media door, and then remove the electronics cover mounting screw.

Figure 2 • Remove the Electronics Cover Mounting Screw



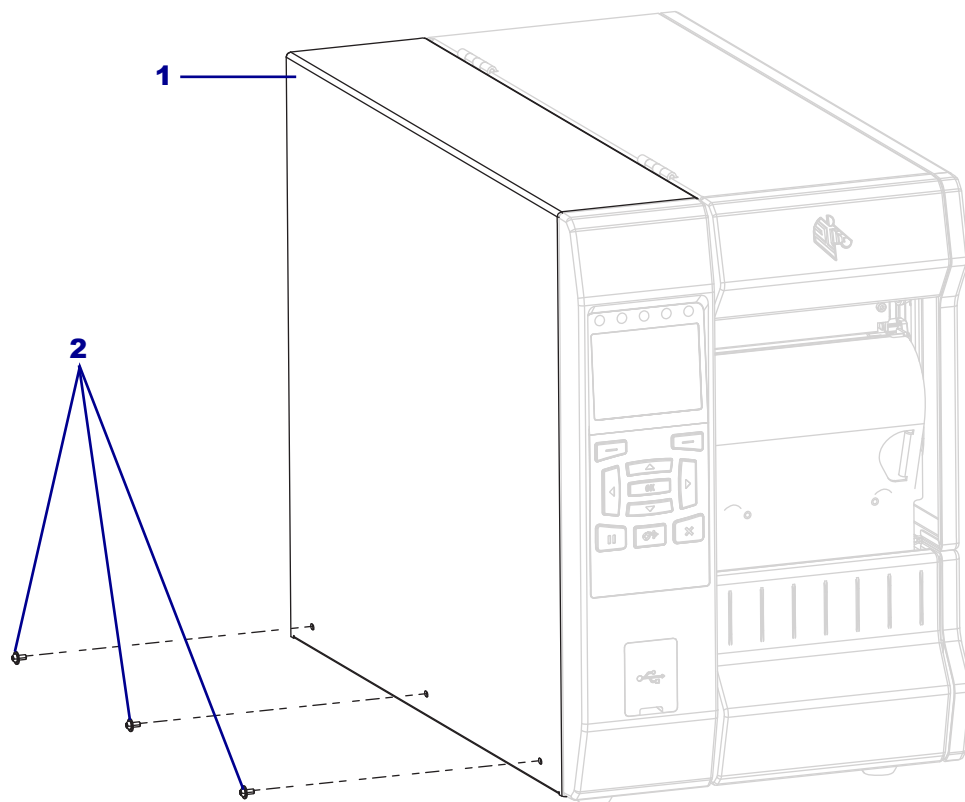
1	Electronics cover
2	Electronics cover mounting screw

4 | Rewind Drive System

Remove the Electronics Cover

5. See [Figure 3](#). Remove the three electronics cover mounting screws.

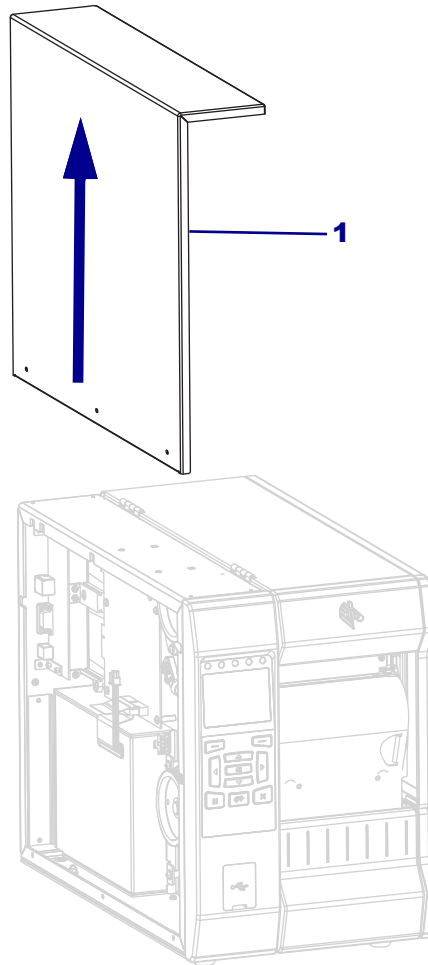
Figure 3 • Remove the Mounting Screws



1	Electronics cover
2	Electronics cover mounting screws (3)

6. See [Figure 4](#). Lift the electronics cover off of the printer.

Figure 4 • Lift the Electronics Cover Off of the Printer



1	Electronics cover
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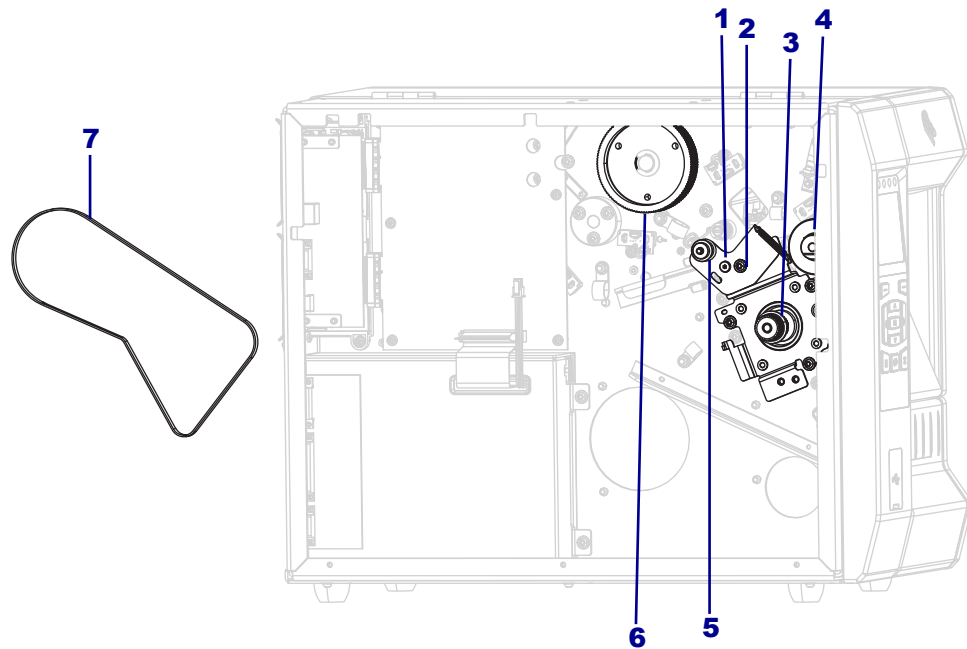
Remove the Old Rewind Drive System



Note • You must remove the main drive belt to remove the rewind drive system.

1. See [Figure 5](#). Remove the main drive belt by loosening the locking screw on the main drive belt tensioner.

Figure 5 • Remove the Main Drive Belt

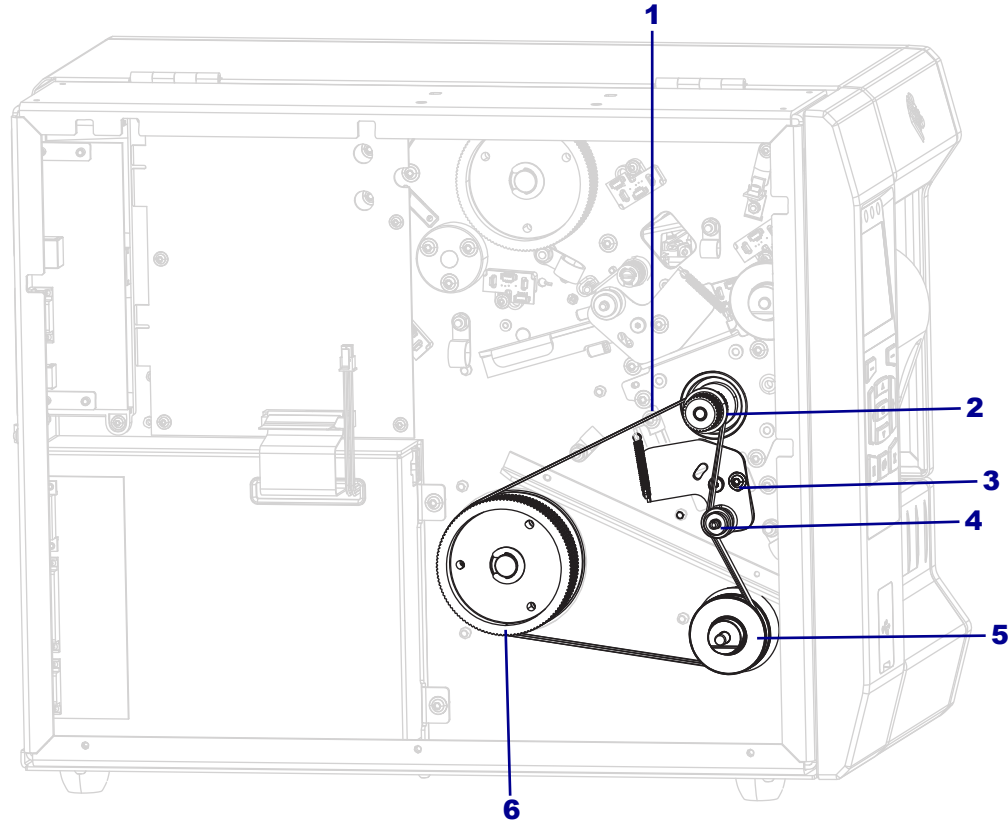


1	Main drive belt tensioner
2	Main drive belt tensioner locking screw
3	Stepper motor pulley
4	Upper platen pulley
5	Main drive belt idler pulley
6	Ribbon take-up pulley
7	Main drive belt

2. Move the main drive belt tensioner to extend the spring, and then tighten the locking screw
3. Slide the main drive belt out of the printer.

4. See [Figure 6](#). Remove the rewind drive belt by loosening the locking screw on the rewind drive belt tensioner.

Figure 6 • Remove the Rewind Drive Belt



1	Rewind drive belt
2	Stepper motor pulley
3	Rewind tensioner locking screw
4	Rewind tensioner idler pulley
5	Lower platen roller pulley
6	Rewind spindle pulley

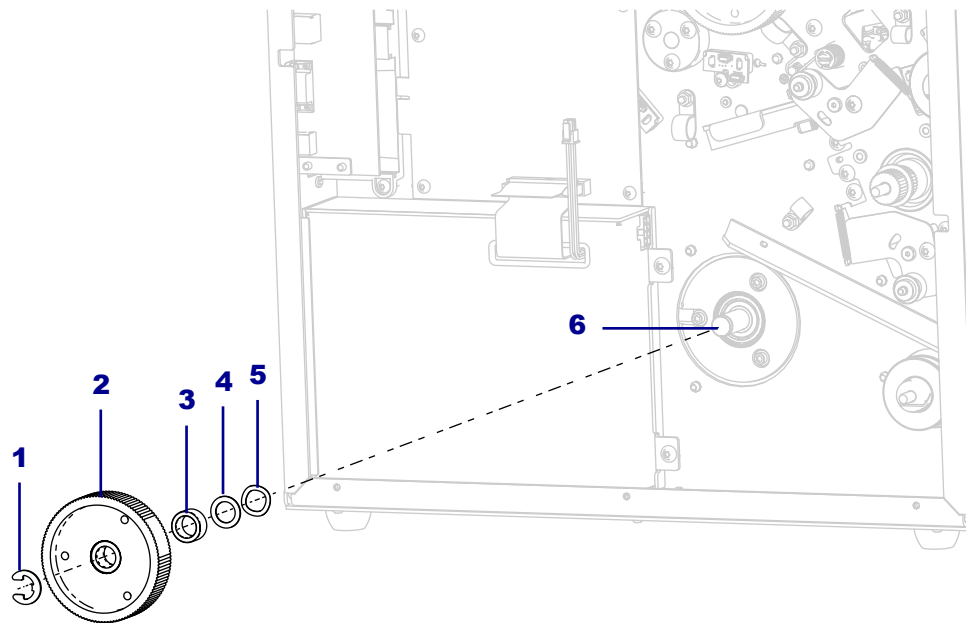
5. Move the rewind drive belt tensioner to extend the spring, and then tighten the locking screw.
6. Remove and discard the rewind drive belt from the printer.



7. **Caution** • Wear protective eyewear when installing or removing E-rings, C-clips, snap rings, springs, and mounting buttons. These are under tension and could fly off.

See [Figure 7](#). Remove and discard the rewind spindle pulley by removing the E-ring, and then sliding the rewind pulley off of the rewind spindle shaft.

Figure 7 • Remove the Rewind Spindle Drive Pulley

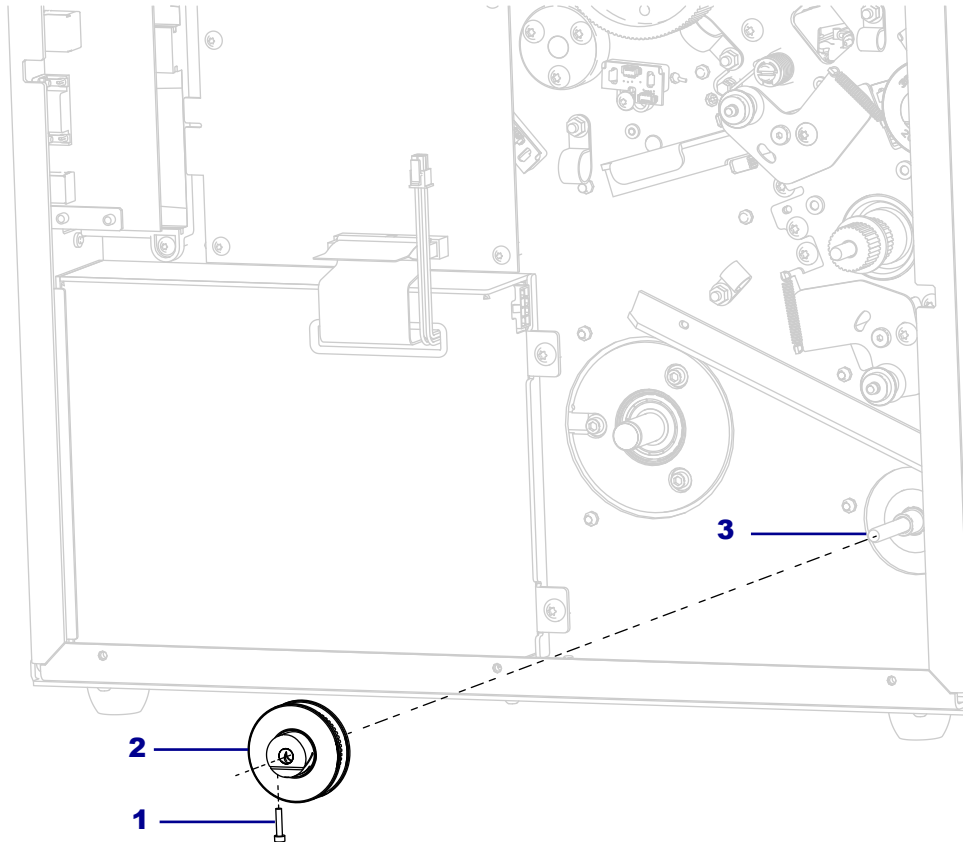


1	E-ring
2	Rewind spindle pulley
3	Spacer
4	Flat washer
5	Wave washer
6	Rewind spindle shaft

8. Remove and discard the spacer, flat washer, and wave washer from the rewind spindle shaft.

9. See [Figure 8](#). Remove and discard the mounting screw from the rewind roller pulley, and then remove and discard the rewind pulley from the printer.

Figure 8 • Remove the Rewind Pulley



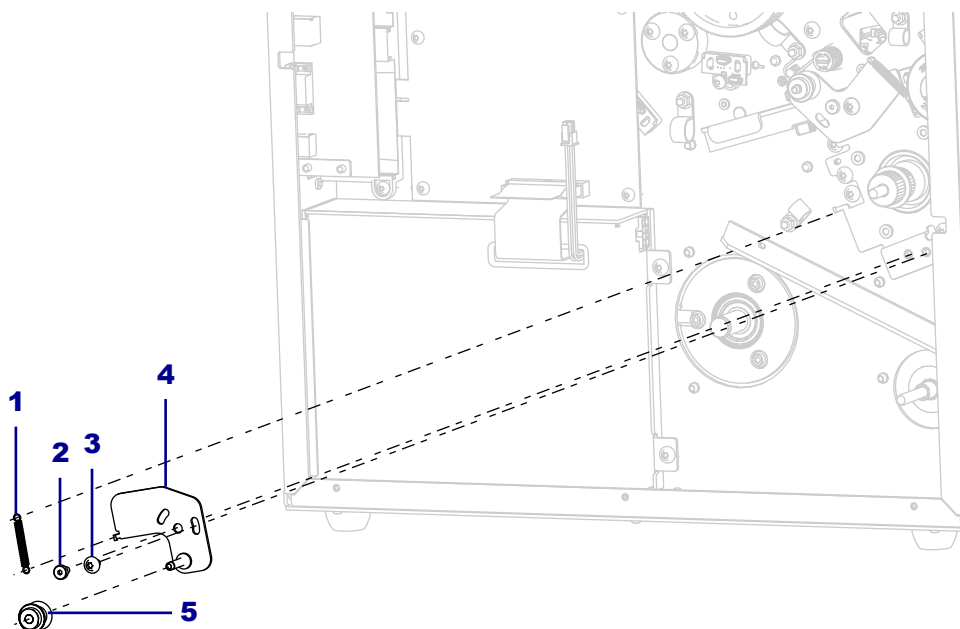
1	Rewind pulley mounting screw
2	Rewind pulley
3	Rewind roller shaft



10. **Caution** • Wear protective eyewear when installing or removing E-rings, C-clips, snap rings, springs, and mounting buttons. These are under tension and could fly off.

Loosen the locking screw to release the tension on the extension spring.

Figure 9 • Remove the Belt Tensioner Bracket



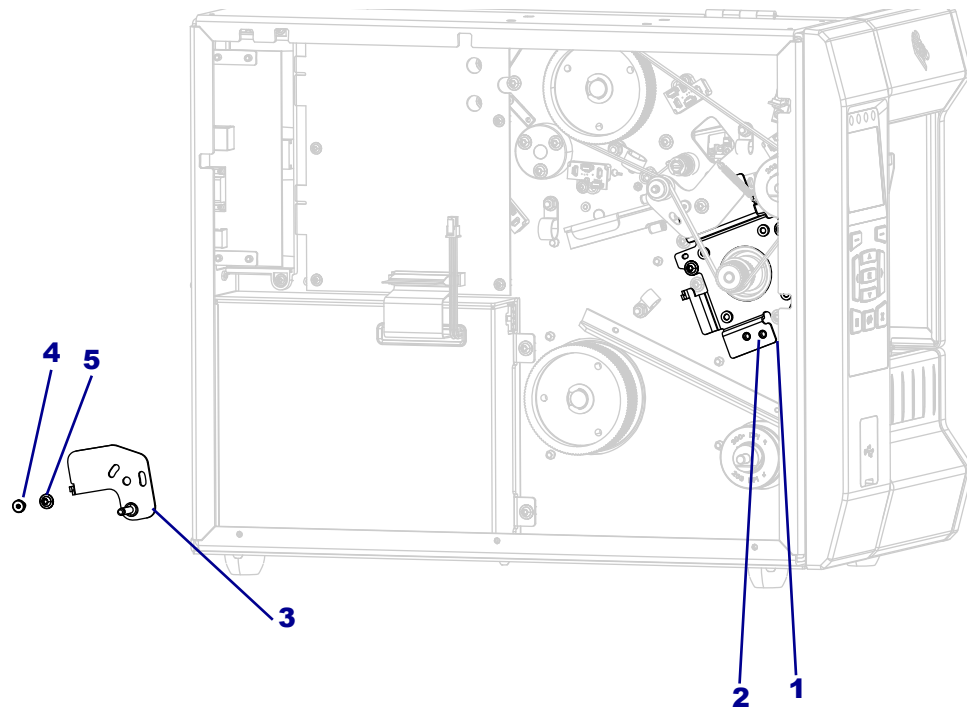
1	Extension spring
2	Shoulder screw
3	Locking screw
4	Tensioning bracket
5	Idler pulley

11. Remove and discard the extension spring.
12. Remove and discard the locking, shoulder screw, bracket, and idler pulley.

Install the New Rewind Drive System

1. Choose the proper DPI rewind pulley from the kit.
2. See [Figure 9 on page 10](#). Install the rewind pulley onto the rewind roller.
3. Tighten the pulley mounting screw.
4. See [Figure 7 on page 8](#). Install the new wave washer, flat washer, spacer, and rewind spindle pulley onto the rewind spindle shaft.
5. Install the E-ring to secure them to the rewind spindle shaft.
6. See [Figure 10](#). Align the tensioner with the two mounting holes.

Figure 10 • Install the Rewind Belt Tensioner



1	Tensioner locking screw mounting hole
2	Tensioner shoulder screw mounting hole
3	Tensioner assembly
4	Tensioner shoulder screw
5	Tensioner locking screw

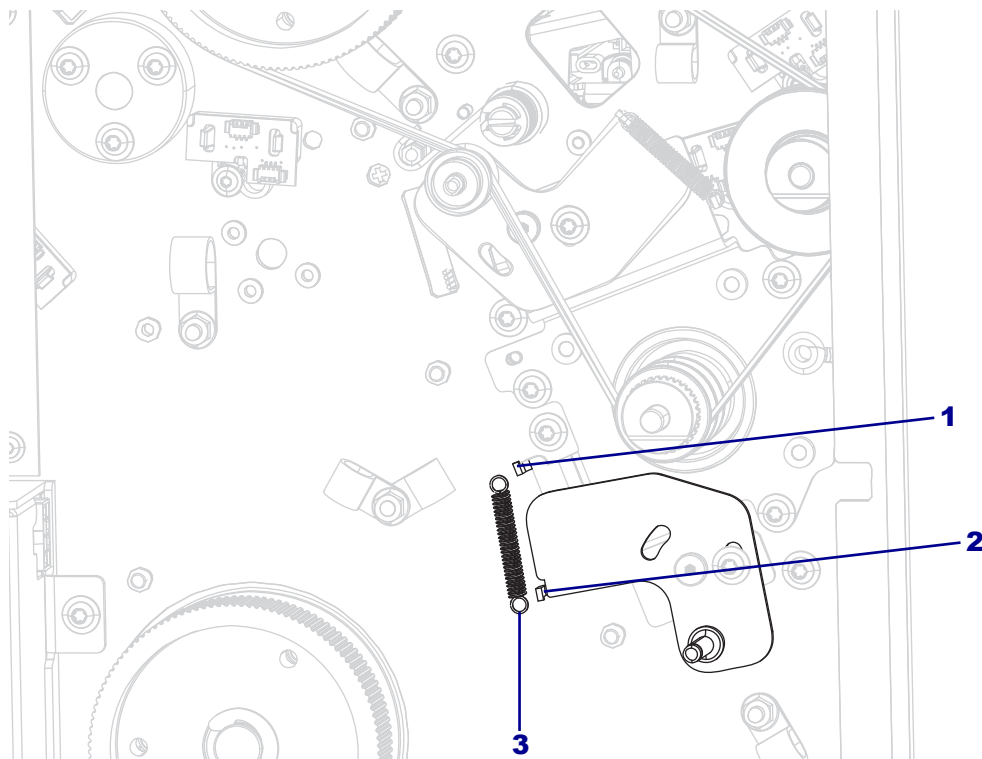
7. Install and tighten the shoulder screw, and then install, but do not tighten the locking screw.

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Install the New Rewind Drive System

8. See [Figure 11](#). Install the rewind tension expansion spring onto the two mounting hooks.

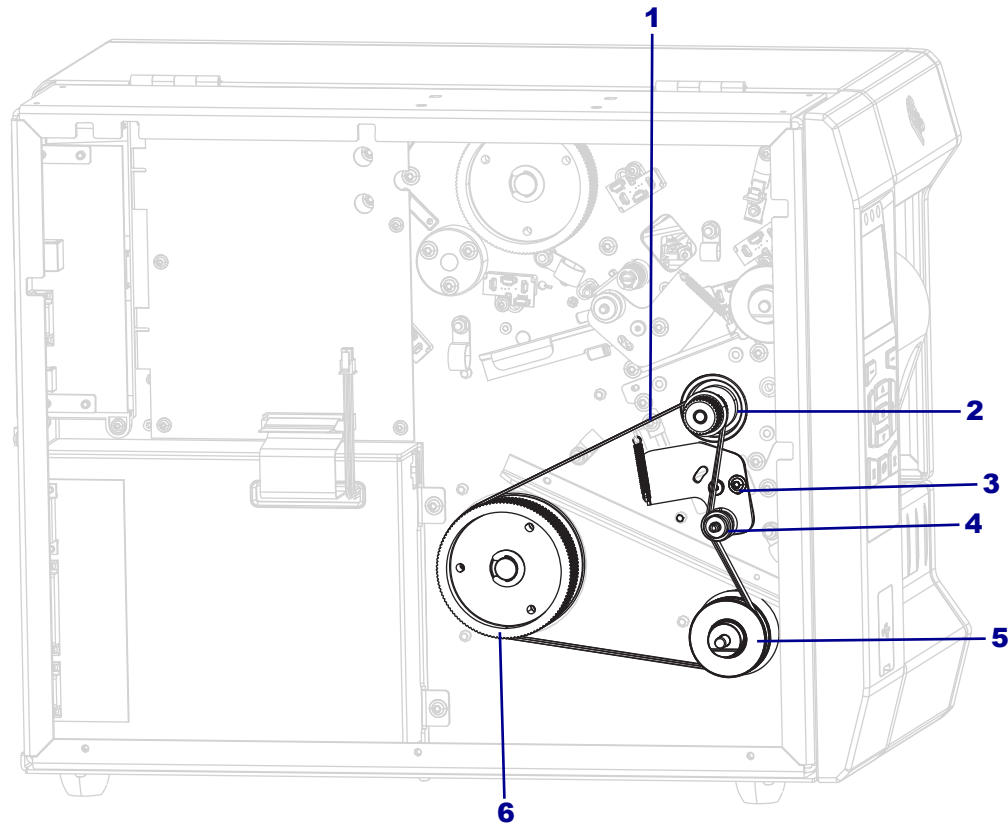
Figure 11 • Install the Rewind Tensioner Expansion Spring



1	Upper mounting hook
2	Lower mounting hook
3	Expansion spring

9. See [Figure 6](#). Install the idler pulley onto the tensioner shaft.

Figure 12 • Install the Rewind Drive Belt

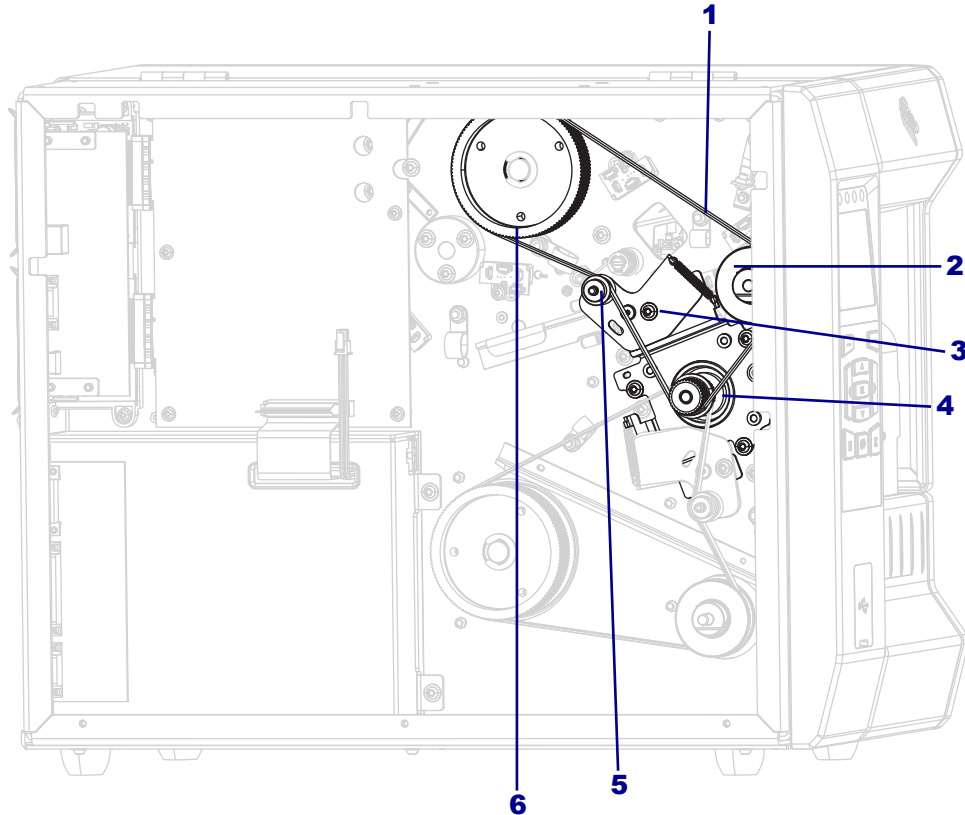


1	Rewind drive belt
2	Stepper motor pulley
3	Rewind tensioner locking screw
4	Rewind tensioner idler pulley
5	Lower platen roller pulley
6	Rewind spindle pulley

10. Rotate the rewind tensioner to extend the spring, and then tighten the locking screw.
11. Install the rewind belt around the inside pulley on the stepper motor, around the lower platen pulley, and then around the rewind spindle pulley.
12. Ensure that the belt is on the inside part of the idler pulley.
13. Loosen the rewind tensioner locking screw.
14. Rotate the belt several times to seat the belt on all the pulleys, and then tighten the locking screw on the rewind tensioner.

15. See [Figure 13](#). Reinstall the main drive belt around the outside stepper motor pulley, the upper platen roller pulley, and then around the ribbon take-up pulley.

Figure 13 • Reinstall the Main Drive Belt



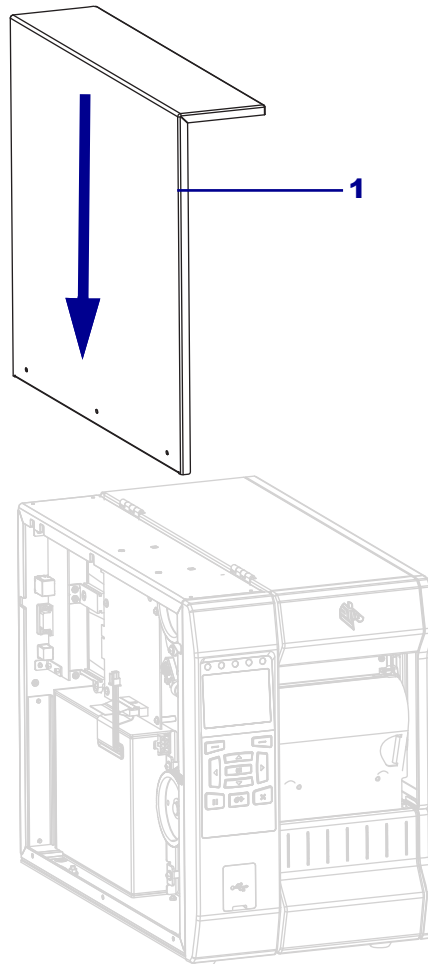
1	Main drive belt
2	Upper platen roller pulley
3	Main drive belt tensioner locking screw
4	Stepper motor pulley
5	Main drive belt tensioner idler pulley
6	Ribbon take-up spindle pulley

16. Ensure that the main belt is on the inside part of the idler pulley.
17. Loosen the rewind tensioner locking screw.
18. Rotate the main drive belt several times to seat the belt on all the pulleys, and then tighten the locking screw on the main drive belt tensioner.

Reinstall the Electronics Cover

1. See [Figure 14](#). Slide the electronics cover onto the printer.

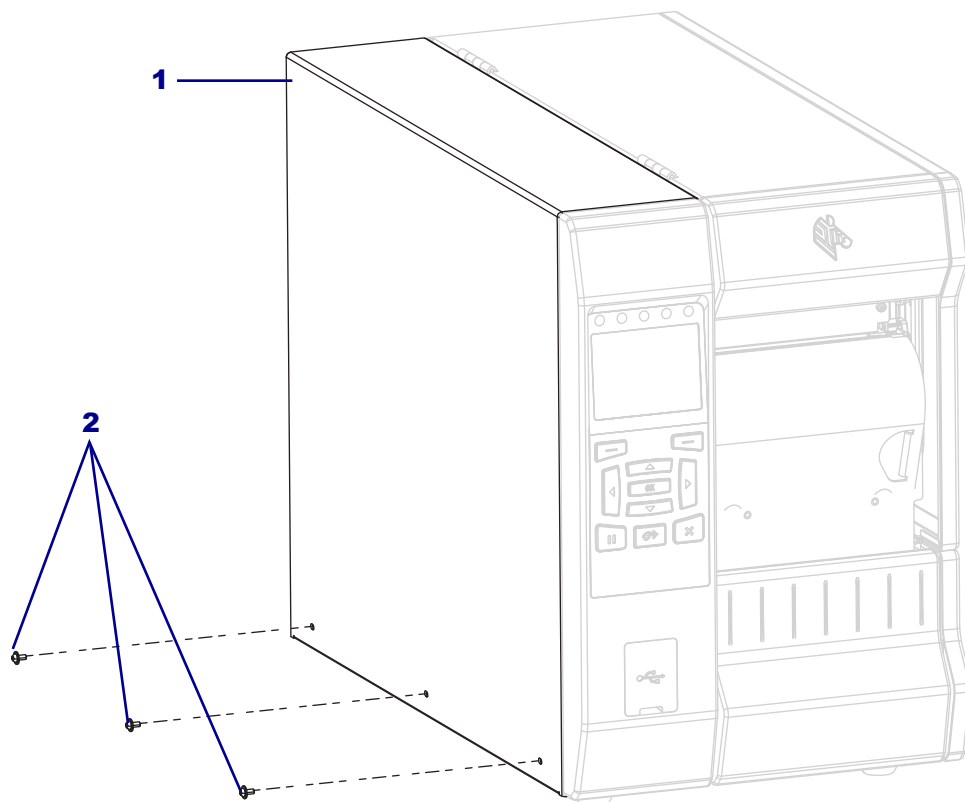
Figure 14 • Slide the Electronics Cover onto the Printer



1	Electronics cover
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2. See [Figure 15](#). Install the three electronics cover mounting screws.

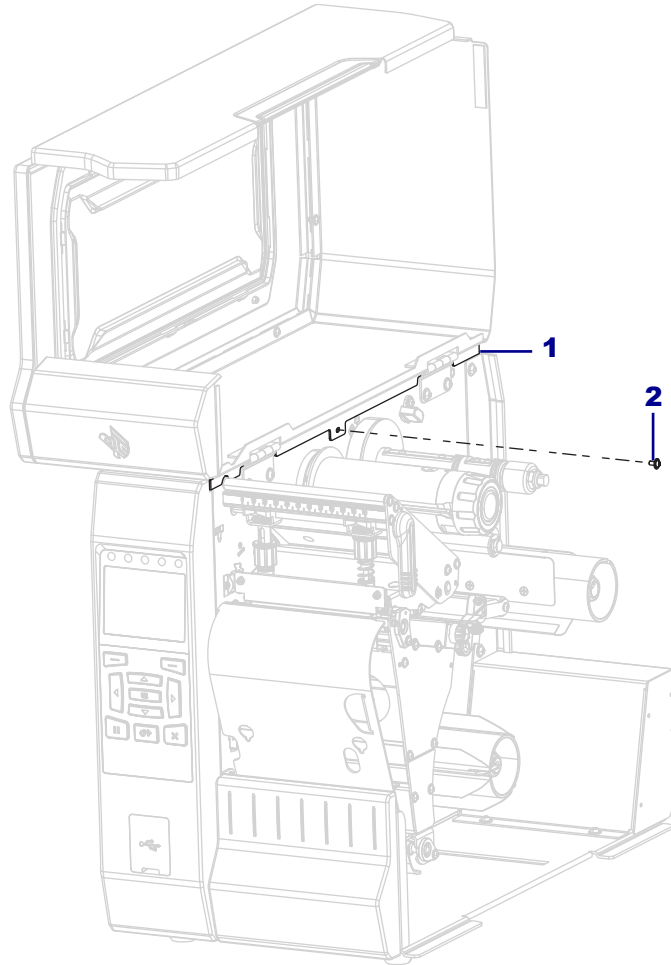
Figure 15 • Install the Mounting Screws



1	Electronics cover
2	Electronics cover mounting screws (3)

3. See [Figure 16](#). From the media side, open the media door and install the electronics cover mounting screw.

Figure 16 • Install the Media Side Mounting Screw



1	Electronics cover
2	Electronics cover mounting screw

4. **Caution •** When you are loading media or ribbon, remove all jewelry that could come into contact with the printhead or other printer parts.

Reinstall the media and ribbon.

5. Reconnect the AC power cord and all data cables.
6. Turn on (I) the printer.

The installation is complete.



Printed in
on chlorine-free
recycled paper.



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