

SuperLoader™ Bar Code Reader Upgrade Quick Start Guide

This Quick Start Guide contains a sequence of steps recommended for unpacking and installing a bar code reader in the Quantum SuperLoader.

Warning: The bar code reader is a Class 1 laser product, complying with 21 CFR 1040.10 and 1040.11. The use of controls or adjustments or the performance of procedures other than those specified herein may result in hazardous radiation exposure.

It is recommended that authorized service personnel perform this upgrade.

For additional information, visit www.quantum.com, refer to the *Quantum Superloader Automated Tape Library User Manual* installed as a PDF (portable document format) file on the SuperLoader Documentation CD, or contact Quantum Technical Support and Customer Service by calling 1-800-284-5101.

Note: Adobe® Acrobat® Reader 4.0 or later is required to view and print PDF documents. To download a free copy of Adobe Acrobat Reader, go to www.adobe.com.

Step 1: Unpack the Bar Code Reader

- a. Place the carton on an electrostatic discharge (ESD) safe work surface. As you place the carton on the work surface, look for markings on the shipping carton that indicate the top of the carton so you can position the carton top-side up.
- b. Using scissors, a utility knife, or other appropriate tool, carefully cut the packing tape along the length and ends of the carton.
- c. Fold open the box flaps.
- d. Remove the plastic bag containing instructions and warranty information.
- e. Remove the top piece of foam from the carton.
- f. Reach into the carton and lift out the bar code reader. The bar code reader should be enclosed in an antistatic package.

Caution: This device is static-sensitive. Proper grounding and electrostatic discharge (ESD) handling precautions are required before removing the bar code reader from its packaging.

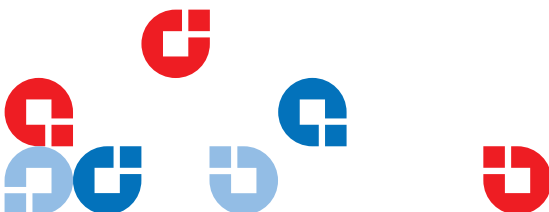
- g. Set the bar code reader down on the work surface.

Step 2: Unmount the SuperLoader

Warning: Two persons are required to lift the SuperLoader or unmount it from a rack.

Before you can install the bar code reader, you must remove the right magazine or magazine blank from the SuperLoader and then remove the SuperLoader from its rack or cabinet. For instructions about removing magazines and unmounting the SuperLoader from a rack, refer to the *Quantum SuperLoader User's Guide*.

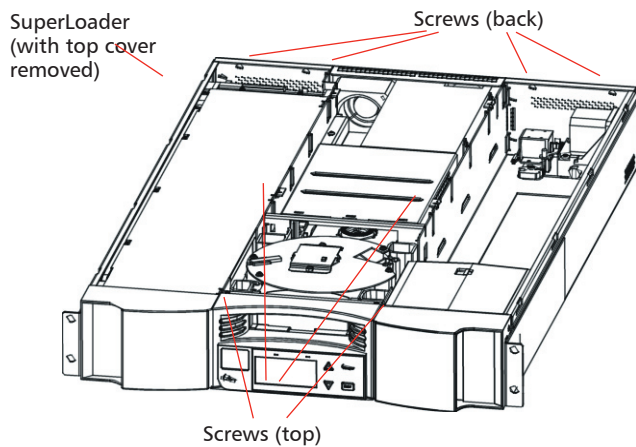
Note: Unmounting the SuperLoader requires a #1 PHILLIPS® screwdriver. This screwdriver will also be required during the remainder of the bar code reader upgrade procedure.



Step 3: Prepare the Bar Code Reader Bay

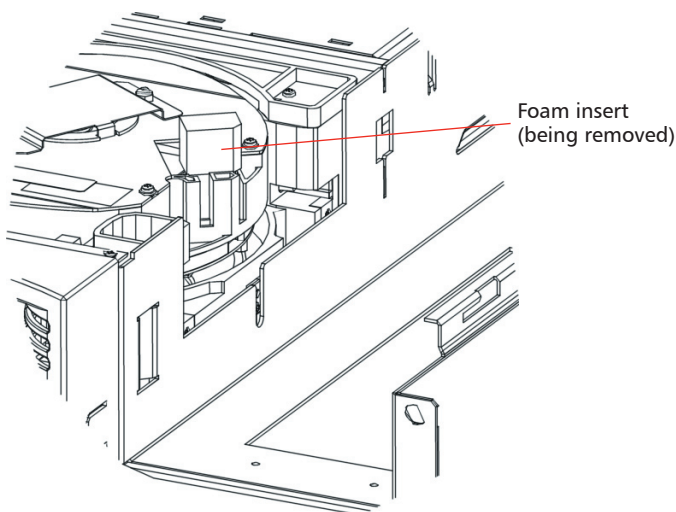
- a. With the SuperLoader on a flat work surface, remove the top cover of the SuperLoader as follows:

- (1) Remove the PHILLIPS screws (SuperLoader LTO has four screws, SuperLoader DLT™ has two screws) from the top of the SuperLoader and four PHILLIPS screws from the back.

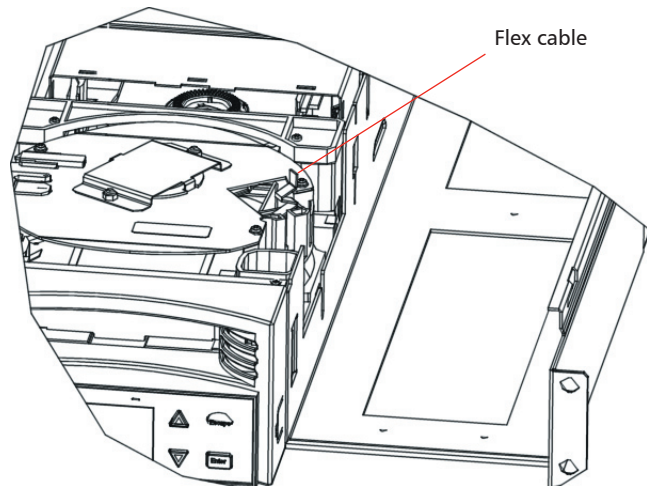


- (2) Slide the cover backwards approximately 2 inches (5.0 cm), and then lift it off.

- c. Locate the bar code reader bay directly above the picker. A foam insert protects the electronics.
- d. Pull the foam insert straight up to remove it. Then, discard the foam insert.



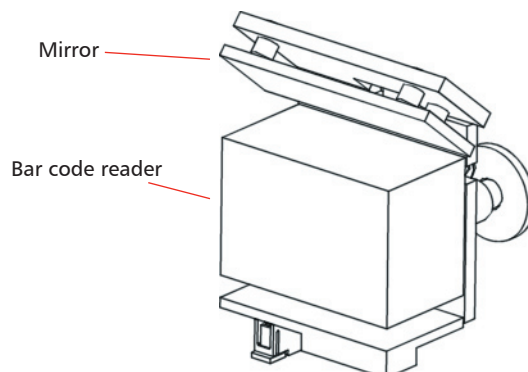
- e. Locate the small flex cable inside the bar code reader bay. Gently pull up on this cable to straighten it.



Step 4: Install the Bar Code Reader

Caution: These instructions are for both the SuperLoader DLT and the SuperLoader LTO due to the nature of their similarities. The bar code reader is not interchangeable. Please order the appropriate part numbers when replacing this item.

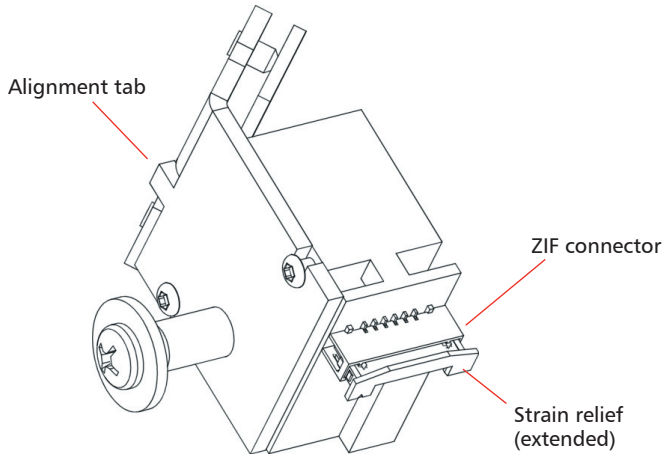
- a. Take appropriate ESD precautions including creating an antistatic work area and wearing an antistatic wrist strap and other antistatic apparel (smock, etc.).



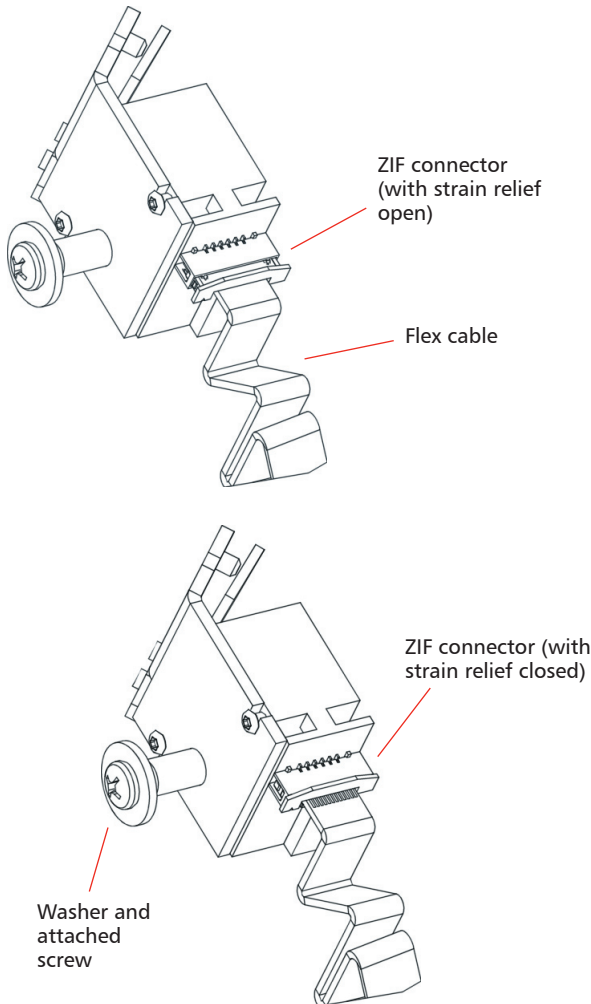
- b. Remove the bar code reader from its antistatic packaging. Avoid touching the bar code reader mirror.

Caution: Touching the mirror can cause the reader to malfunction.

- c. Carefully extend the strain relief mechanism on the bar code reader zero insertion force (ZIF) connector.

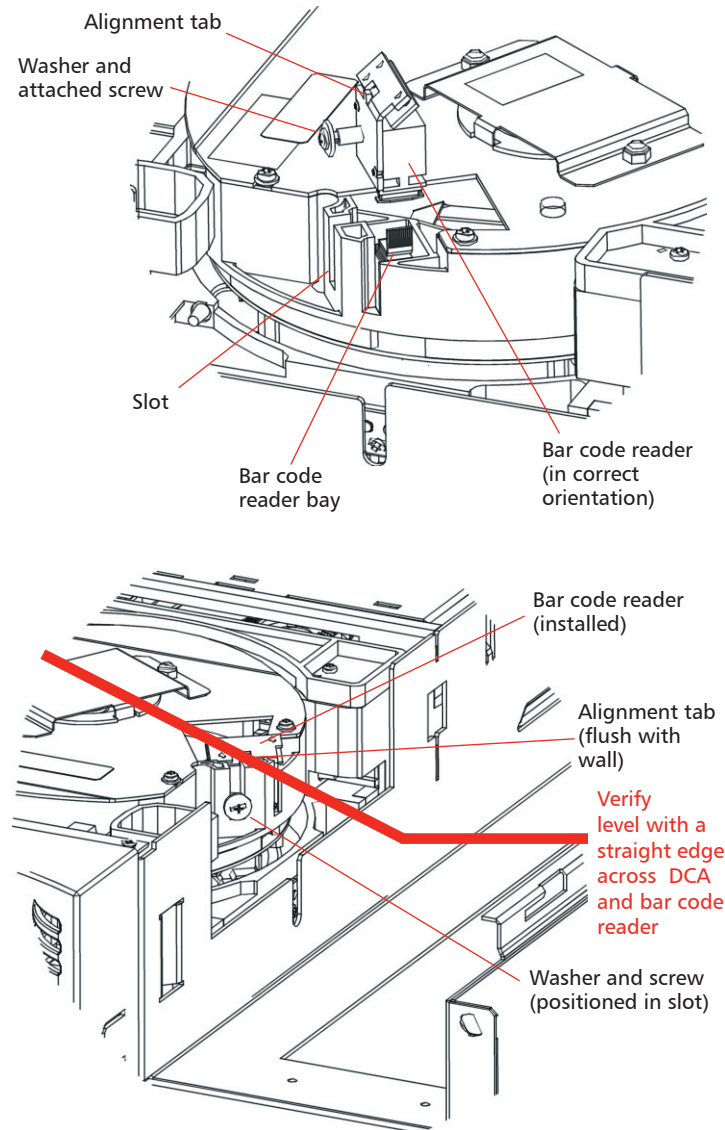


- d. Insert the end of the flex cable into the ZIF connector as far as it can go. Then push in on the strain relief mechanism to secure the connection.



- e. Slide the bar code reader into the bay and do the following:

- Make sure the washer and attached screw fit into the slot on the wall of the bar code reader bay.
- Make sure the bar code reader is seated in the pocket of the bay. The top of the alignment tab on the bar code reader should be flush with the top of the bar code reader bay wall.
- Tighten the attached screw while maintaining downward pressure on the bar code reader. Tighten just enough to secure the bar code reader in the bay; do not overtighten.



Caution: Before replacing the cover, place a straight edge across the DCA fan cover and the top of the bar code reader. The bar code reader must be flush, or slightly below the level of the DCA fan shroud to avoid damage to the bar code reader.

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