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# Replacing the SCSI Card in an Exabyte<sup>®</sup> Mammoth 8mm Tape Drive

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# 1 Before you begin

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## CAUTION

Before you begin, make sure that the repair environment for the tape drive is free of conditions that could cause electrostatic discharge (ESD).

To protect the tape drive from ESD, follow these procedures when repairing or testing it:

- Place a static protection mat on the work surface used for tape drive components. Use a 1-megohm resistor to ground the static protection mat.
- Wear a static protection wrist band whenever you handle tape drive printed circuit cards that have been removed from their antistatic bags. Connect this wrist band to the static protection mat or to other suitable ESD grounding.
- Keep the SCSI card in an antistatic bag until you are ready to install it.
- Handle the SCSI card by its edges only.

If there is a cartridge in the tape drive, remove it before performing any maintenance procedure.

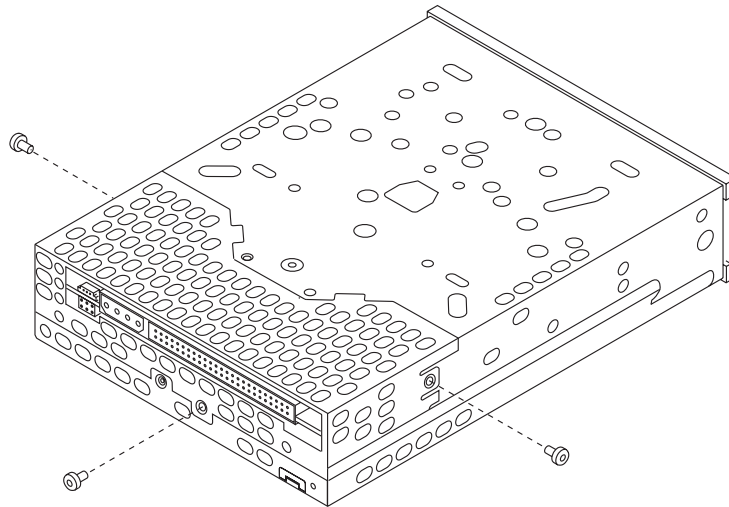
## Required tools

- Torque limiting screwdriver
- T-6 TORX bit

## 2 Removing the SCSI card

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1. Turn the tape drive upside-down. Using a T-6 screwdriver, remove the two side screws and one rear screw that secure the bottom cover to the tape drive, as shown in [Figure 1](#). Remove the bottom cover.



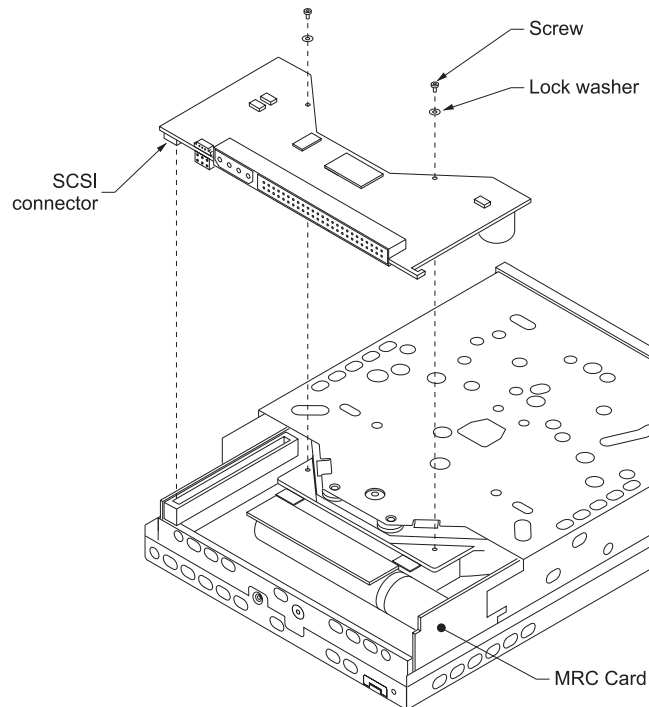
**Figure 1** Removing the bottom cover

2. Use a T-6 screwdriver to remove the two screws and lock washers that secure the SCSI card to the tape drive, as shown in [Figure 2](#).

### CAUTION

Do not allow the screws or lock washers to fall into the tape drive.

3. Discard the old screws and lock washers.



**Figure 2** Removing the SCSI card

4. The SCSI connector is located on the underside of the SCSI card, on the left side (see [Figure 2](#)). To disengage the SCSI connector, lift the left edge of the card.

**CAUTION**

To avoid damaging the SCSI card, lift the left side first. Make sure the SCSI connector is disconnected before you remove the card.

5. Remove the SCSI card.

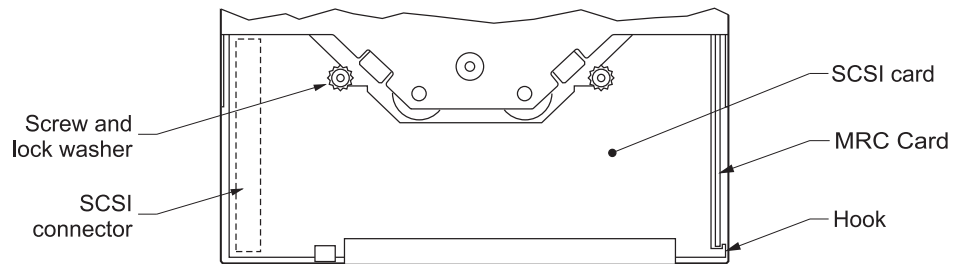
**CAUTION**

Be careful not to damage the MRC card as you remove the SCSI card.

## 3 Installing the SCSI card

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1. Remove the replacement SCSI card from its antistatic bag.
2. Handling the card by its edges, position the card with the SCSI connector on the left. The hooked edge of the card goes around the right rear edge of the MRC card (see [Figure 3](#)).



**Figure 3** Replacing the SCSI card

3. Press down firmly on the left edge of the card to seat the SCSI connector.
4. Install the two screws and lock washers used to attach the SCSI card to the tape drive (see [Figure 3](#)). Use a T-6 screwdriver to tighten the screws to 1.2 inch-pounds of torque.

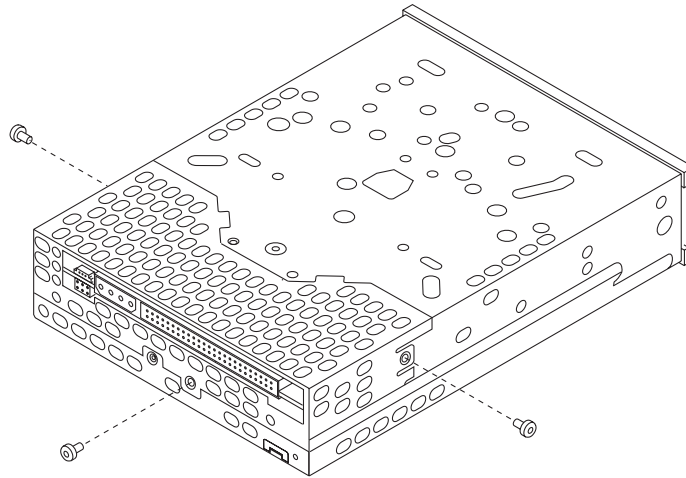
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➤ **Important** Do not use the old screws. The new screws are required to hold the card firmly in place.

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5. Replace the bottom cover.

6. Replace the two side screws and one rear screw that secure the bottom cover to the tape drive (see [Figure 4.](#)) Tighten the screws to 1.2 inch-pounds of torque.



**Figure 4** Replacing the bottom cover

## 4 After you replace the SCSI card

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After you replace the SCSI card, you will need to perform the following operations:

- Set the tape drive SCSI ID
- Attach the power cable and SCSI cable
- Power on the tape drive
- Perform diagnostic tests

Refer to *Exabyte Mammoth Installation and Operation* (part number 306484) for instructions.