



**TZ8x Magnetic Tape Drive Installation**

EK-TZ86M-IN.A01

September 1993

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This document illustrates the installation of all TZ8x drives.

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## TZ8x

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### TZ8x Tape Drives

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#### TZ85 Overview

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|                   |                                      |
|-------------------|--------------------------------------|
| Description       | Streaming tape drive                 |
| Cartridge type    | CompacTape III                       |
| Capacity          | 2.6 GB                               |
| Form factor       | 5 1/4 in                             |
| Media size        | 1/2 in                               |
| Transfer rate     | 800 KB                               |
| Temperature       | 10°C (50°F)–40°C (104°F) (operating) |
| Relative humidity | 20%–80%                              |
| Voltage           | +5 VDC $\pm$ 5% and +12 VDC $\pm$ 5% |
| Current           | +5 V: 3.5 A and +12 V: .5 A          |
| Power             | 40 W                                 |

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#### Add-On Option Part Number

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|                          |          |
|--------------------------|----------|
| TZ85 embedded tape drive | TK85E–MX |
|--------------------------|----------|

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#### Field Service Orderable Parts and Options

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|                                                |                                  |
|------------------------------------------------|----------------------------------|
| FRUs                                           | TK85–AX (whole unit replacement) |
| CompacTape III cartridge                       | TK85K–01                         |
| CompacTape III cartridge<br>(quantity of 7)    | TK85K–07                         |
| CompacTape III cartridge<br>(quantity of 1008) | TK85K–A0                         |
| CleaningTape III cartridge                     | TK85–HC                          |
| TZ85 controller module                         | 54–19122–01                      |
| TZ85 drive module                              | 54–19074–02                      |
| SCSI cable                                     | 17–02613–01                      |

**TZ8x**

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**Documentation**

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|                                       |             |
|---------------------------------------|-------------|
| <i>Tx85 Operator's Reference Card</i> | EK-OTK85-RC |
| <i>Tx85 Cartridge Tape Subsystem</i>  | EK-OTF85-OM |
| <i>DEC 4000 AXP</i>                   | EK-KN430-OP |
| <i>Owner's Guide (VMS Ops)</i>        |             |
| <i>DEC OSF/1 AXP</i>                  | EK-SFFIS-UG |
| <i>Factory Installed</i>              |             |
| <i>Software User Guide</i>            |             |

## TZ8x

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### TZ86 Overview

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|                   |                                      |
|-------------------|--------------------------------------|
| Description       | Streaming tape drive                 |
| Cartridge type    | CompacTape III                       |
| Capacity          | 6.0 GB                               |
| Formfactor        | 5 1/4 in                             |
| Media size        | 1/2 in                               |
| Transfer rate     | 800 KB                               |
| Temperature       | 10°C (20°F)–40°C (104°F) (operating) |
| Relative humidity | 20%–80%                              |
| Voltage           | +5 VDC $\pm$ 5% and +12 VDC $\pm$ 5% |
| Current           | +5 V: 3.5 A and +12 V: .5 A          |
| Power             | 40 W                                 |

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### Add-On Option Part Number

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|                          |          |
|--------------------------|----------|
| TZ86 embedded tape drive | TZ86E–MX |
|--------------------------|----------|

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### Field Service Orderable Parts and Options

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|                                                |                                  |
|------------------------------------------------|----------------------------------|
| FRUs                                           | TK86–AX (whole unit replacement) |
| CompacTape III cartridge                       | TK85K–01                         |
| CompacTape III cartridge<br>(quantity of 7)    | TK85K–07                         |
| CompacTape III cartridge<br>(quantity of 1008) | TK85K–A0                         |
| Cleaning Tape III cartridge                    | TK85–HC                          |
| TZ86 controller module                         | 54–19122–01                      |
| TZ86 drive module                              | 54–19074–02                      |
| SCSI cable                                     | 17–02613–01                      |

TZ8x

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**Documentation**

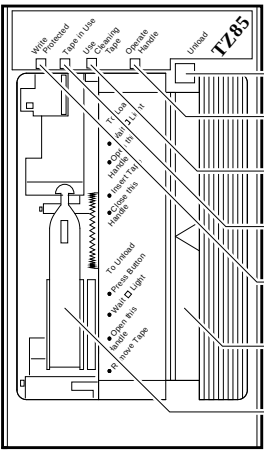
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|                                                                    |             |
|--------------------------------------------------------------------|-------------|
| <i>Tx86 Tape Drive Operator's<br/>Reference Card</i>               | EK-OTK86-RC |
| <i>Tx86 Series Cartridge Tape<br/>Subsystem<br/>Owner's Manual</i> | EK-OTX86-OM |
| <i>Tx867 Series Magazine Tape<br/>Subsystem<br/>Owner's Manual</i> | EK-TX867-OM |
| <i>DEC 4000 AXP<br/>Owner's Guide (VMS Ops)</i>                    | EK-KN430-OP |
| <i>DEC OSF/1 AXP<br/>Factory Installed<br/>Software User Guide</i> | EK-SFFIS-UG |

TZ8x

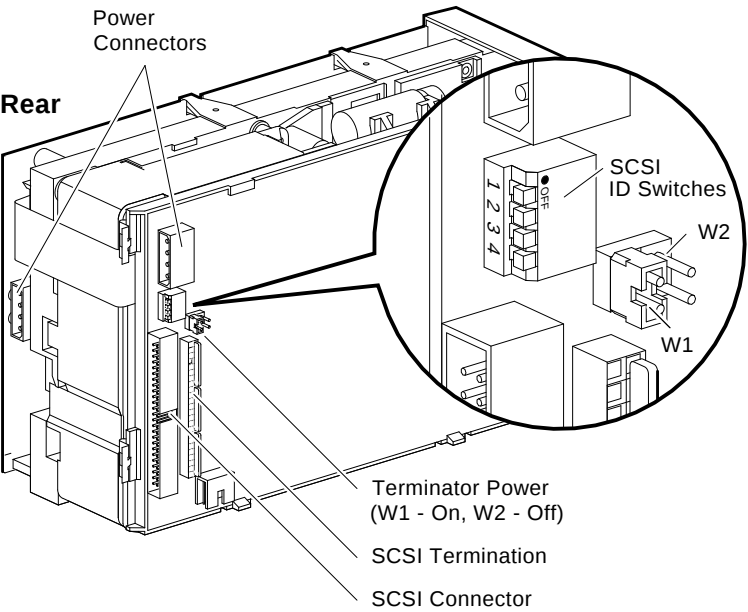
Figure 1 TZ8x Cassette Tape Drive

Front



- Unload Button
- Operate Handle Light
- Use Cleaning Tape Light
- Tape-in-Use Light
- Write-Protect Light
- Insert/Release Handle
- Cassette Slot

| TZ8x SCSI ID Switch Selection |     |     |     |  |
|-------------------------------|-----|-----|-----|--|
| SCSI ID Switch Settings       |     |     |     |  |
| SCSI ID                       | 2   | 3   | 4   |  |
| 0                             | Off | Off | Off |  |
| 1                             | Off | Off | On  |  |
| 2                             | Off | On  | Off |  |
| 3                             | Off | On  | On  |  |
| 4                             | On  | Off | Off |  |
| 5                             | On  | Off | On  |  |
| 6                             | On  | On  | Off |  |
| 7                             | On  | On  | On  |  |

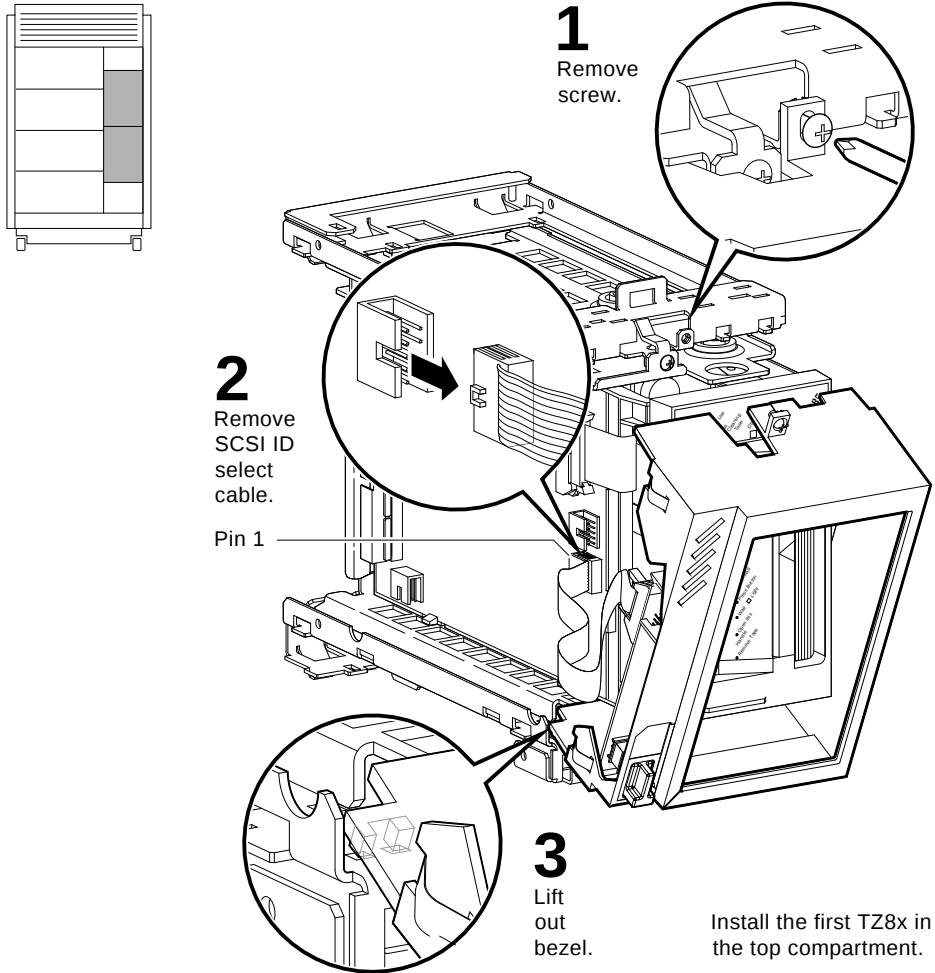


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**Note**

The SCSI ID select cable overrides the SCSI ID switches.

**Figure 2 TZ8x Assembly**



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**TZ8x**

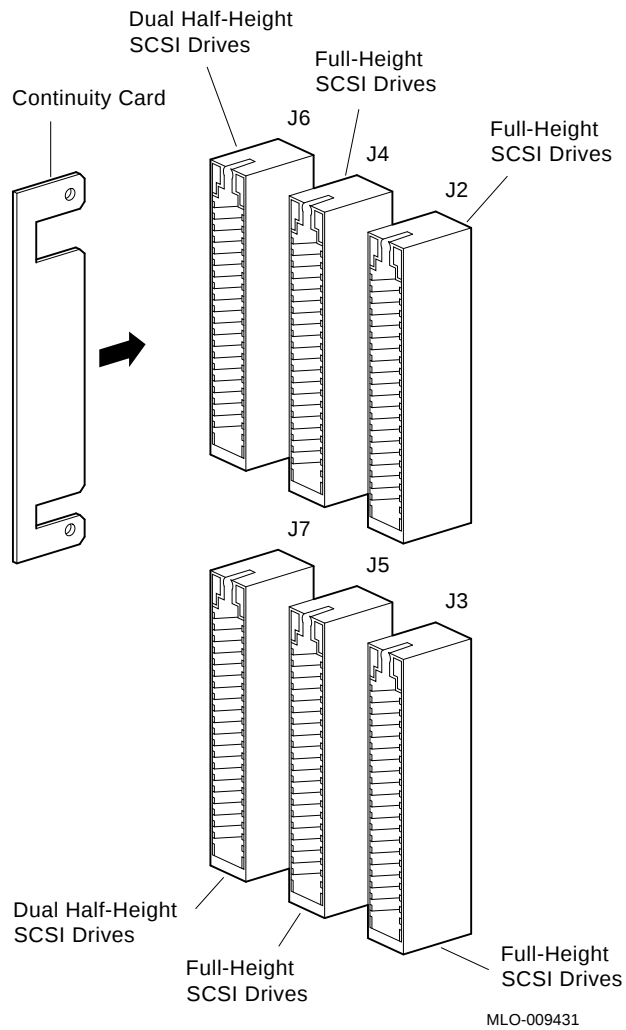
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**Note**

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When a removable-media compartment is empty, install blank bezels to maintain maximum airflow. See Storage Tray Information in the *DEC 4000 AXP Options Guide* for part numbers and illustrations.

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**Figure 3 Bus Continuity Card****Note**

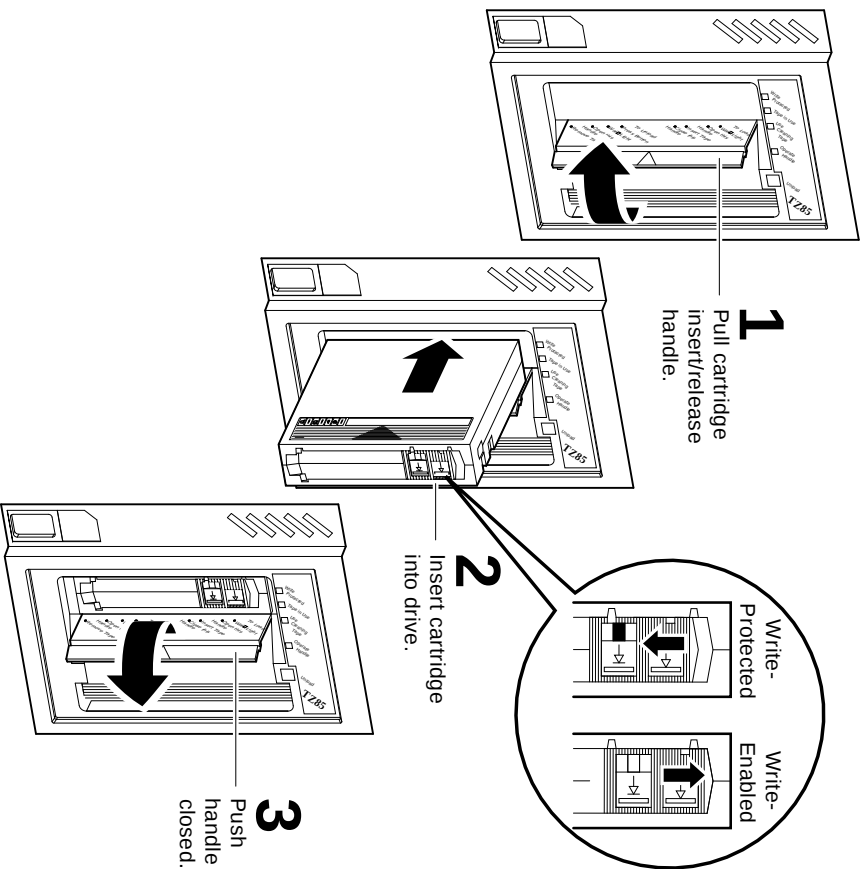
When either the J6 or J7 backplane connector is not used, insert the bus continuity card into those slots to maintain bus continuity. Two bus continuity cards are already installed in the backplane.

## TZ8x

### TZ8x Light Summary

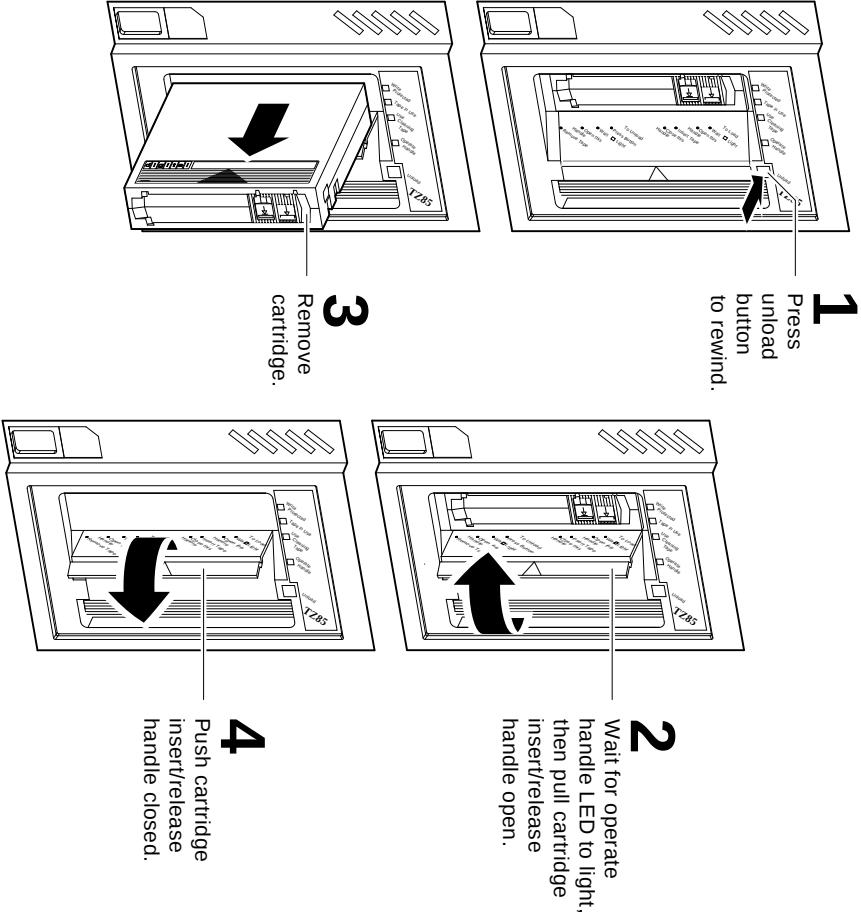
| Light                      | State  | Condition                                                |
|----------------------------|--------|----------------------------------------------------------|
| Operate handle (green)     | On     | Okay to operate the cartridge insert/release handle.     |
|                            | Off    | Do not operate the cartridge insert/release handle.      |
| Tape in use (yellow)       | Blinks | Tape is moving.                                          |
|                            | On     | Tape is loaded (ready for use).                          |
| Write-protected (orange)   | On     | Tape is write-protected.                                 |
|                            | Off    | Tape is write-enabled.                                   |
| Use cleaning tape (orange) | On     | Load a CleaningTape III                                  |
|                            | off    | Cleaning not required.                                   |
| All four lights            | On     | Power-On Self-Test is in progress.                       |
|                            | Blinks | Drive fault occurred.<br>(Press Unload button to clear.) |

Figure 4 TZ8x: Inserting a Tape



ML-O-008664

Figure 5 TZ8x: Removing a Tape



MLO-008787