

SWXTL–BP and –BR Seven-Cartridge DLT Tape Subsystem



Product Notes

EK–SM1TE–PN. B01

Introduction:

Operation of the Seven-Cartridge Digital Linear Tape Subsystem, Models SWXTL–BP and –BR is documented in the enclosed *TZ877 Series Magazine Tape Subsystem Owner's Manual*, Part Number: EK–TZ877–OM. A01.

There are differences between the models documented in the manual and the SWXTL models.

These Product Notes summarize those differences. (See Differences: below.)

Model SWXTL–BP is installed in an SZ107 storage subsystem pedestal. (See Pedestal: below.)

Model SWXTL–BR is designed for rack mounting. (See Rack Mounting: below.)

Differences:

- The base tape drive in the DLT Subsystem is a Digital model TZ87N, not the TZ87 tape drive in the TZ877 Tape Subsystem.

CAUTION

Ensure the voltage selector switch is properly positioned before connecting the power cord to the DLT Subsystem as explained below. An incorrect switch setting may cause damage to the equipment.

- A multilingual sticker covers a power receptacle and 110-Vac/220-Vac voltage selector switch on the rear panel of the DLT Subsystem. The sticker explains that the unit is set for a 220-Vac input. Remove the sticker from the receptacle. If your power source is 110 Vac, position the 110-Vac/220-Vac voltage selector switch to 110 Vac. Then, connect one end of a power cord to the receptacle.

- The DLT Subsystem is fully compatible with cartridges recorded in TK85, TK86, TZ87 or TZ87N tape drives. However, the DLT Subsystem does not support cartridges recorded in TK50, TK70, or TZ30 tape drives.

- The DLT Subsystem uses CompacTape III cartridges (Part Number TK85K-01) exclusively. Don't use the older CompacTape, or CompacTape II cartridges.

- Disregard the yellow TK50/70 indicator on the operator control panel of the DLT Subsystem. The TZ87N tape drive does not support TK50 and TK70 tape formats.

Pedestal:

The *SZ107 Storage Subsystem User and Installation Guide*, Part Number: EK–SZ107–IN is included in this package to provide installation instructions for the pedestal containing the DLT Subsystem. Pedestal mounted Model SWXTL–BP operates from either a 110-Vac or 220-Vac power source. The user selects the appropriate voltage input from a 110-Vac/220-Vac selector switch on the rear panel of the DLT Subsystem as explained under Differences: above.

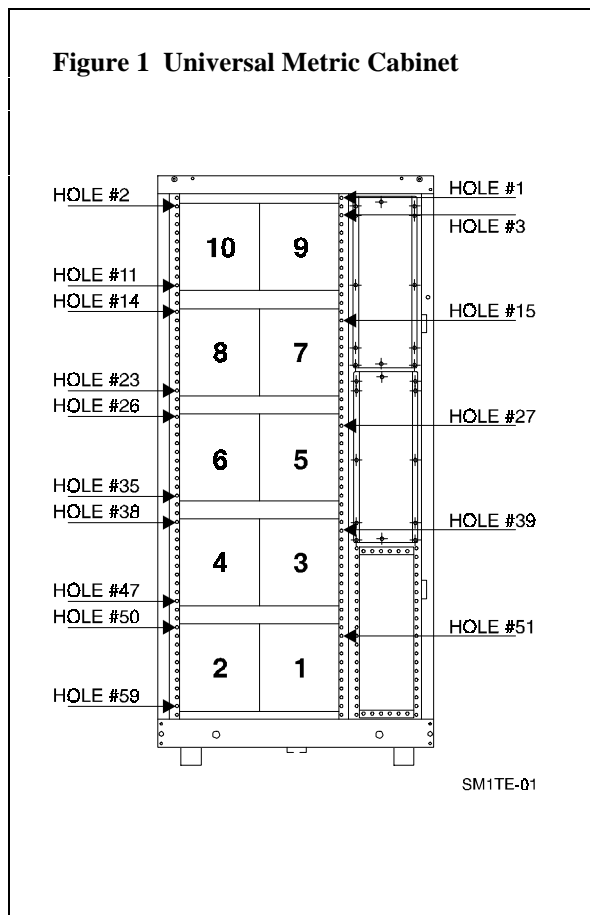
After removing the multilingual sticker and making the correct voltage selection, connect the power cord hanging loose in the pedestal to the receptacle at the rear of the DLT Subsystem. Then, connect the receptacle at the rear of the pedestal to an ac source.

Rack Mounting:

The procedure below describes how to mount Model SWXTL-BR in a typical metric cabinet using the H229-AC Rack Mount Kit. StorageWorks SWXSC-DA Data Center Cabinet (SW800) is shown here as an example.

Location

Figure 1 shows a typical cabinet with even-numbered mounting positions 2, 4, 6, 8, and 10 on the left, and odd-numbered positions 1, 3, 5, 7, and 9 on the right. Your cabinet may, or may not, have the three narrow, unnumbered mounting positions shown at the right. To optimize weight distribution, locate the first DLT Subsystem in mounting position 6. If there's a second subsystem, mount it in position 5. A third subsystem goes in either position 7 or 8. If there are four subsystems, mount one each in positions 5, 6, 7, and 8.



Preparing Cabinet

To mount the first DLT Subsystem in position 6:

- Loosen four screws in adjustable end of chassis rail (74-45635-02) so chassis rail bracket (74-45647-02) at one end of chassis rail may be adjusted. See Figure 2.
- Position chassis rail with attached chassis rail bracket as shown in Figure 2 so arrow on chassis rail bracket points up.
- For metric cabinets, the round standoff (90-10830-02) is installed in the top hole of the front chassis rail and threaded into nut bar (74-45637-02) and tighten.
Thread the round standoff into the lower hole of the chassis rail for RETMA cabinet use. This effectively aligns the nut bar properly for metric or RETMA use.
- Repeat the above procedure for the rear chassis rail.

NOTE

To mount the chassis rail in an odd-numbered position, like 5 or 7, in the next step, position the chassis rail bracket (adjustable end) at the front of the cabinet. For even-numbered positions, like 8, locate the adjustable end at the rear of the cabinet. The arrow on the chassis rail bracket must point up for all positions.

- From front of cabinet, place chassis rail in cabinet at left side of mounting position 6 so that:
 - Adjustable end with chassis rail bracket is at rear of cabinet,
 - Arrow on chassis rail bracket points up, and
 - Round standoffs go through hole 27 on front and rear verticals of cabinet to support chassis rail between cabinet verticals.
- Install three each 10/32 shoulder screws (12-24007-02) and lock washers (90-06637-00) through front cabinet vertical and chassis rail (Figure 2). Hand tighten screws into threaded nut bar.

- Install three each 10/32 shoulder screws (12-24007-02) and lock washers (90-06637-00) through rear cabinet vertical and chassis rail bracket (Figure 2). Hand tighten screws into threaded nut bar.

NOTE

The following 3 steps apply only to cabinets with internal vertical rails for additional mounting security.

- Refer to Figure 2 and locate four holes in chassis rail aligned with SEMS screws (12-21368-02).
- Place U-nut (90-07786-00) over each hole in cabinet vertical aligned with SEMS screw hole.
- Insert SEMS screw in each of four chassis rail holes and tighten SEMS screws in U-nuts to secure chassis rail to cabinet verticals.

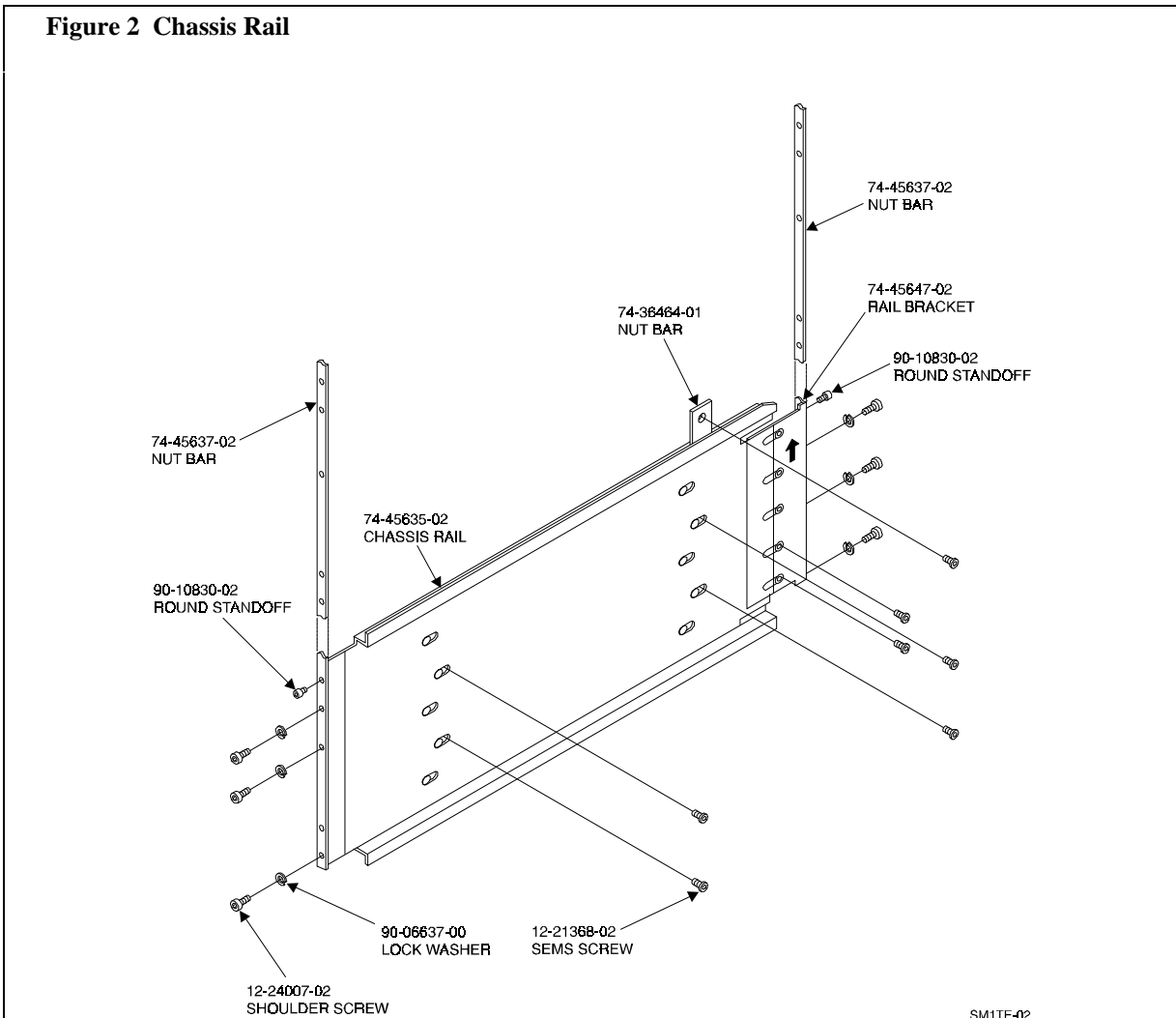
- Tighten six shoulder screws.
- Tighten four screws attaching chassis rail bracket to chassis rail.

NOTE

In the next step, the hole numbers for position 5 are also 26 and 35, but in the right front vertical. The hole numbers for both positions 7 and 8 are 14 and 23 in the right and left front verticals, respectively.

- Refer to Figure 1 to locate hole numbers 26 and 35 in left front vertical of cabinet.
- Install U-nuts (90-07786-00) over holes 26 and 35.

Figure 2 Chassis Rail



Preparing DLT Subsystem Sleeve

WARNING

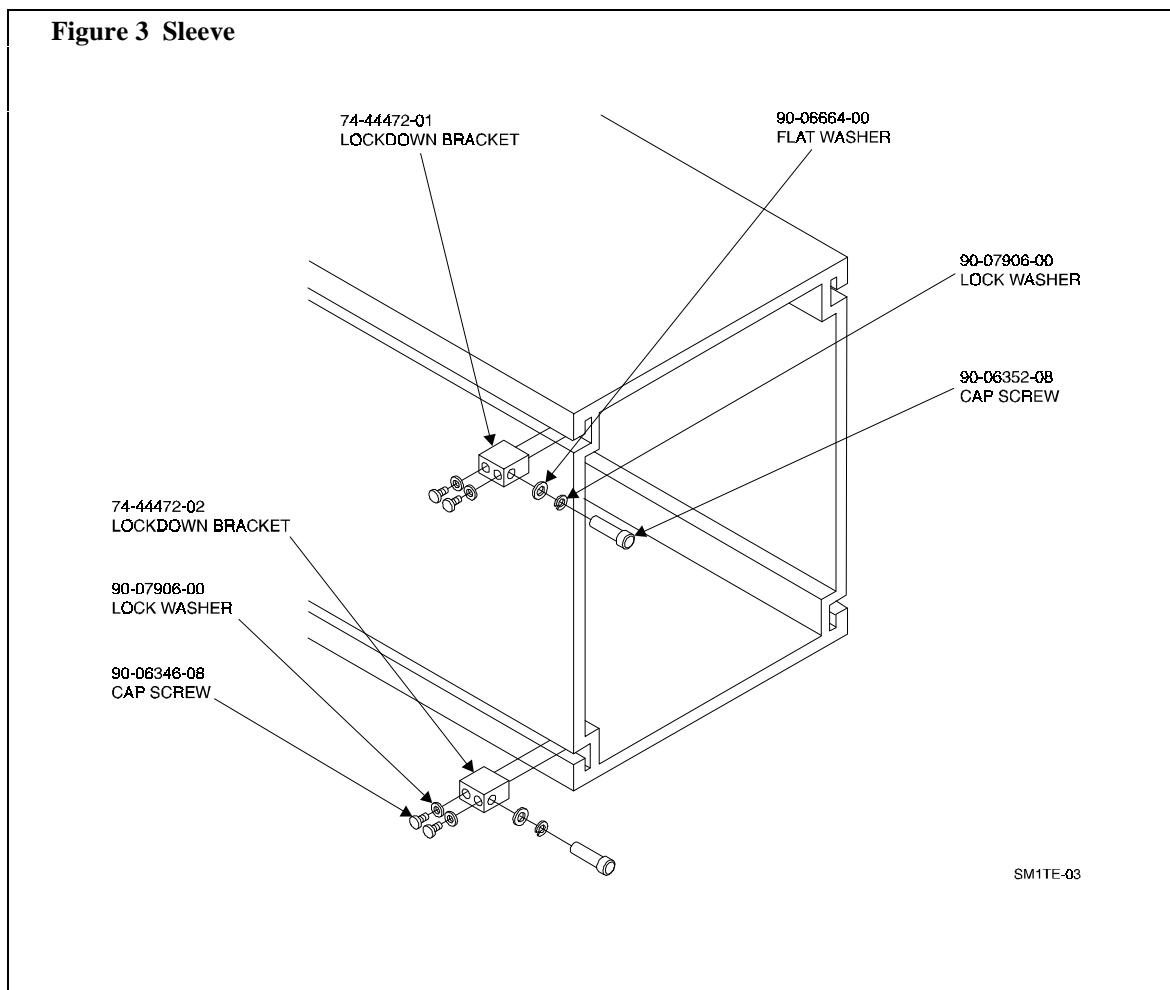
The DLT Subsystem is heavy, 24.95 kg (55 lb), use two people to lift it. Failure to do so may result in personal injury.

- With one person lifting each end, move DLT Subsystem and sleeve onto workbench. Position subsystem so operator control panel faces forward.

NOTE

The following two steps apply to any even-numbered mounting position. For odd-numbered positions, use part number 74-44472-02 for the upper lockdown bracket and 74-44472-01 for the lower lockdown bracket.

- Use two each 10/32 hex-head cap screws (90-06346-08) and lock washers (90-07906-00) to mount upper lockdown bracket (74-44472-01) at left front of sleeve as shown in Figure 3.
- Use two each 10/32 hex-head cap screws (90-06346-08) and lock washers (90-07906-00) to mount lower lockdown bracket (74-44472-02) at left front of sleeve as shown in Figure 3.



Installing Sleeve and Subsystem in Rack

- With one person lifting each end, move DLT Subsystem and sleeve to position 6 at front of rack. Fit grooves at rear of sleeve onto upper and lower tracks of chassis rail and slide sleeve into cabinet along chassis rail until lockdown brackets touch front cabinet vertical.
- Refer to Figure 3 and use 10/32 hex-head cap screws (90-06352-08), lock washers (90-07906-00), and flat washers (90-06664-00) to secure lockdown brackets to U-nuts previously installed over holes in cabinet vertical.

Power

Model SWXTL-BR operates from either a 110-Vac or 220-Vac power source. Make the appropriate voltage selection and connect the power cord as explained under Differences: above.