

Customer Installation Instructions
Field Feature Bill of Material (FFBM)
For Installing Feature Code 1680 (Control Path
Failover)
In a 3583 Ultrium Tape Drive



PN 18P8590 EC H80336 06 JUN 03

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Installation Instructions

Document Number 18P8590 EC H80336

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Status: Field Use

Note: This Field Feature Bill of Material (FFBM) must be installed only on the 3583 Ultrium Tape Drive for which it was shipped.

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Before Installation (Section 1 through 8)

1.0 Machines/Models Affected

This FFBM affects 3583 Ultrium Tape Drive adding feature code 1680 (Control Path Failover).

2.0 Prerequisite/Concurrent/Companion

Prerequisites

- ___ 1. The Library must have firmware level 5.14.0001 (or higher).
- ___ 2. If Ultrium 1 drives are installed they must have firmware level 35V0 (or higher).
- ___ 3. If Ultrium 2 drives are installed they must have firmware level 35N1 (or higher).
- ___ 4. The Remote Management Unit (if installed) must have firmware level 175B.0002 (or higher).

To determine the highest level available, visit the web at <http://www.ibm.com/storage/1to>

Note: Be sure you select the Ultrium 2 drive code.

- Select the **Technical Support** link and check against the firmware level on the library.
- Under **Downloads and Utilities**, select **IBM Ultrium Firmware**.

To check the library firmware level, from the library operator panel main menu, select **More→About**.

If the firmware update for the library is required, follow the "**Updating Firmware**" procedure in **Chapter 4** of the *IBM TotalStorage Ultrium Scalable Tape Library 3583 Setup and Operator Guide*.

3.0 Bills of Material to be Installed

PN	Quantity	Description
18P8591	1	Instructions, License Key and Firmware

4.0 Preparation

- Read and understand the purpose and details of this installation instruction.
- Verify that all items on the bill of materials have been received.

5.0 Program Updates

The Host will need to be reconfigured to take advantage of the new functions added from feature code 1680 (Control Path Failover).

6.0 Purpose and Description

Control path failover is available only for libraries that contain Ultrium tape drives. The support is delivered as part of the AIX Atape device driver, and provides failover and load balancing that enable the host device driver to resend a command to an alternate path.

7.0 Installation Time

The following times are approximate.

Install Hours	Machine Hours	System Hours	Number of Persons
1.0	1.0	0	1

8.0 Special Tools and Materials Required

None

Installation (Sections 9, 10, 11 and 12)

9.0 Safety

None

10.0 Details of Installation

10.1 Activate Feature Code 1680 (Control Path Failover)

- ___ 1. Ensure that the drives, RMU and Library are at the latest levels of firmware as described in section "2.0 Prerequisite/Concurrent/Companion" on page 2.
- ___ 2. Ensure that the library and drives are offline.
- ___ 3. Using the license key provided as part of this MES, perform the following steps.

Note: The Ultrium Scalable Tape Library requires that you use an 8-character license key to enable the control path failover feature.

- ___ a. From the **Main Menu** (initial screen) select **More**.
- ___ b. Select **Setup**.
- ___ c. Select **Utils**.
- ___ d. Select **More**.
- ___ e. Select **License**.
- ___ f. Enter the 8-character License Key (supplied).

Note: To select another character, press the button below the **Next** softkey until the character that you want is highlighted. To increment that character, press the button below the **Up** softkey until 0 through 9 or A through F displays.

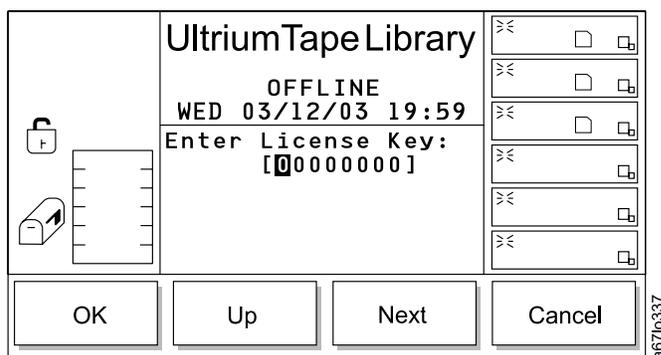


Figure 1. Status page

- ___ g. After the License Key is entered, press the button below **OK** to accept the characters.

Note: If a problem occurs during operation, you can view service action codes (SACs) from which you can determine the source of the error and the action required to correct it. More information on SACs is contained in the *IBM TotalStorage Ultrium Scalable Tape Library 3583 Setup and Operator Guide*.

- ___ h. Return to the Main Menu.

Note: Press the button below the **OK** softkey, then press the button below the **OK** and **Back** softkeys until the Main Menu displays.

11.0 Test Procedures

The host should now be reconfigured to take advantage of the new feature installed. Refer to IBM *IBM Ultrium Device Drivers Installation and User's Guide* located at <ftp://ftp.software.ibm.com/storage/devdrv> under the file name `IBM_ultrium_tape_IUG.pdf`.

12.0 Field Updating

N/A

After Installation (Sections 13 through 15)

13.0 Publications Update

N/A

14.0 Parts Disposition

N/A

15.0 Machine Records

N/A