

# Appendix H: Changing Optical Port Connectors

The following procedures are discussed in this appendix:

- H Cleaning the Optical Ports
- H Changing the Optical Port Connectors

## Cleaning the Optical Ports

If the CTS850 performance appears degraded, the optical fiber and optical port may be dirty. Clean the fiber connector with a clean cloth.

To clean an optical port:

1. Turn off the CTS850 from the power switch located on the front panel.
2. Remove the four screws that attach the bulkhead connector to the front panel (see Figure H 1).
3. Gently pull the bulkhead out of the unit and unscrew the fiber connector. Be careful not to pull beyond the fiber slack.
4. Using a soft, lint-free cloth with a high-quality glass cleaner, clean the tip of the fiber cable.
5. If available, use low-pressure compressed air or canned air to blow any dirt out of the bulkhead connector. If compressed air is not available, then the bulkhead will have to be taken apart and cleaned. Refer to the *Changing the Optical Port Connectors* procedure, on page H 2, for information about bulkhead disassembly.
6. After cleaning the bulkhead, reconnect the fiber and install the bulkhead. Be sure to reinstall the dustcap chain.

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**NOTE.** To keep cleaning to a minimum, install the dustcap when no fiber is connected to the optical port.

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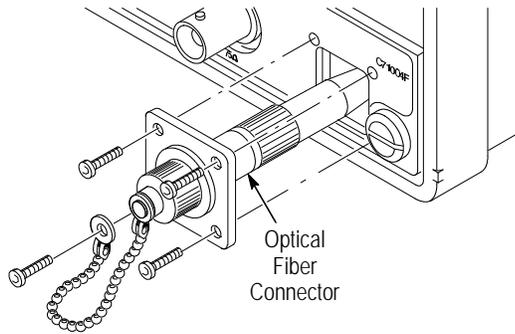


Figure H 1: Removing the Optical Bulkhead Connector

## Changing the Optical Port Connectors

The CTS850 is shipped with the FC connector bulkhead and dustcap installed. If you wish to change to the ST, DIN 47256, or SC connectors perform the following procedure:

1. Turn off the CTS850 from the power switch located on the front panel.CTS850
2. Remove the four screws that attach the bulkhead connector to the front panel (see Figure H 1).
3. Gently pull the bulkhead out of the unit and unscrew the fiber connector. Be careful not to pull beyond the fiber slack.
4. Disassemble the bulkhead as shown in Figures H 2 through H 5.

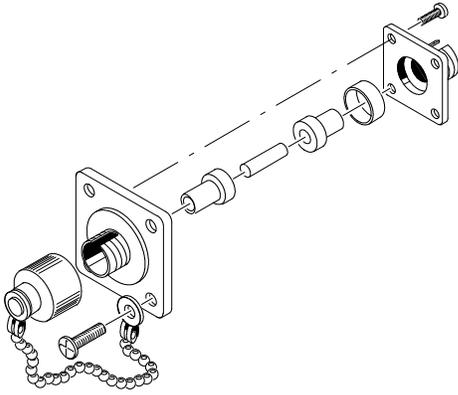


Figure H 2:FC Optical Bulkhead Assembly

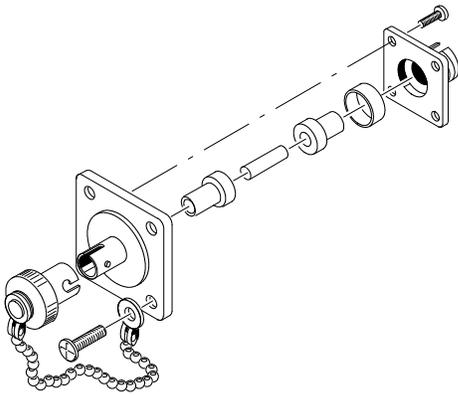
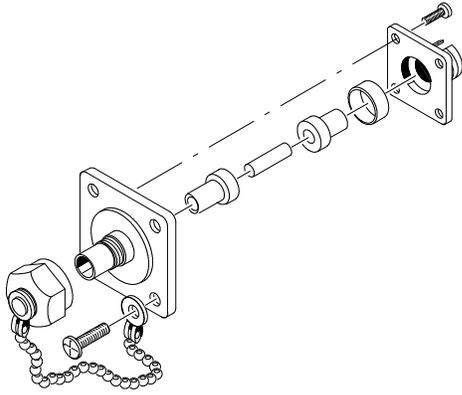
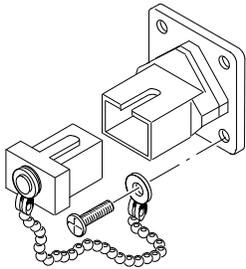


Figure H 3:ST Optical Bulkhead Assembly



**Figure H 4: DIN 47256 Optical Bulkhead Assembly**



**Figure H 5: SC Optical Bulkhead Assembly**

- 5.** Replace the current bulkhead with the one you wish to use and reassemble.
- 6.** Installation is the reverse of steps 1 through 3.