

Base 8 Modules

P/N 003-121
Issue 2

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SRP-006-093

Instructions, Corning Optical Communications KT-PNP Cleaning Kit

1. General

This document describes the installation and maintenance of Corning Optical Communications Base 8 modules. The Base 8 module (Figure 1) permits the use of a 12-fiber cable infrastructure with switches which use 8-fiber blades.

IMPORTANT: *Base 8 modules are factory-sealed. Breaking the seal will void the manufacturer’s warranty.*

Figure 1 illustrates a Base 8 module. The adapters on the rear surface of a Base 8 module accept four 12-fiber MTP® trunks and the module routes the fibers to six 8-fiber MTP adapters on its front.

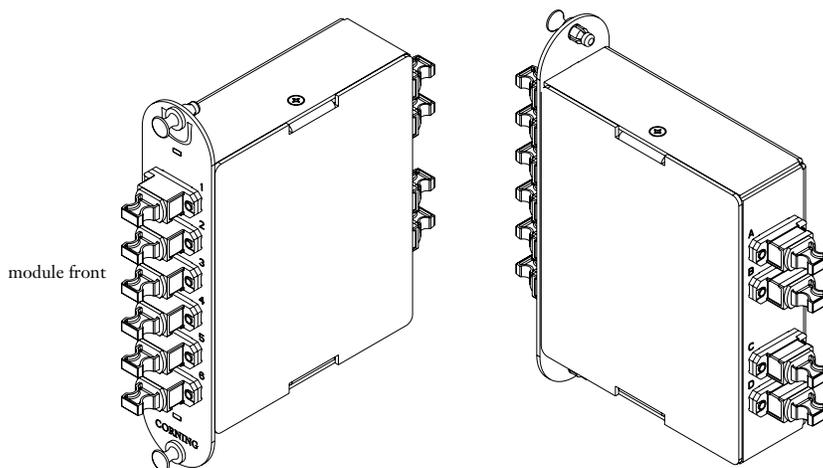


Figure 1

2. Module Installation

Base 8 modules are secured in place by two push/pull fasteners. Position the module’s fasteners over the proper holes in the mounting bracket and push in all the plungers to lock the module in place (Figure 2).

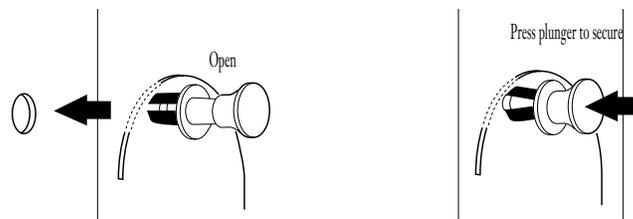


Figure 2

3. Connecting the Module with an MTP Trunk

WARNING: Never look directly into the end of a fiber that may be carrying laser light. Laser light can be invisible and can damage your eyes. Viewing it directly does not cause pain. The iris of the eye will not close involuntarily as when viewing a bright light. Consequently, serious damage to the retina of the eye is possible. Should accidental eye exposure to laser light be suspected, arrange for an eye examination immediately.

CAUTION: Fiber optic cable is sensitive to excessive pulling, bending, and crushing forces. Consult the cable specification sheet for the cable you are installing. Do not bend the cable more sharply than the minimum recommended bend radius. Do not apply more pulling force to the cable than specified. Do not crush the cable or allow it to kink. Doing so may cause damage that can alter the transmission characteristics of the cable; the cable may have to be replaced.

Standard MTP connectors mated into the adapters on the back of a CCH module have precision guide pins. To secure a non-pinned MTP connector from a trunk into an adapter:

Step 1: Remove the dust caps from the MTP connector on the end of the trunk and the MTP adapter on the back of the CCH connector module.

Step 2: Grasp the connector by its “boot” (marked “IN”) and make sure that the connector’s white marking corresponds to the white marking on the adapter. Press the MTP connector into the adapter until it clicks in place.

To unplug the MTP connector, grasp the ribbed connector section (Figure 3) and pull the connector out of the adapter. **DO NOT PULL ON THE BOOT TO UNPLUG AN MTP CONNECTOR.**

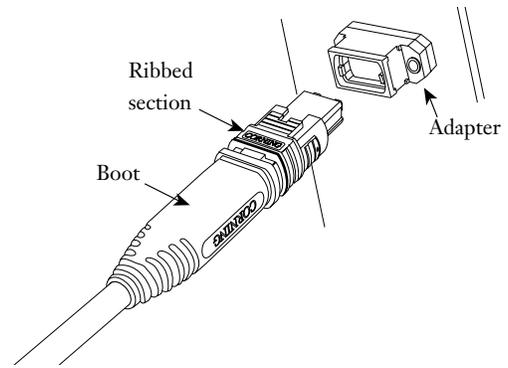


Figure 3

4. Maintenance

- The most likely cause of a problem with a module is connector end-face contamination. Always keep clean dust caps on the module’s connector adapters and the trunk’s connectors when they are unmated, and clean the connectors before each mating.
- To clean the MTP connector and adapters, use the MTP cleaning tool (p/n 2104466-01) provided in the Plug & Play™ Cleaning Kit (Figure 4).
- To clean the various connectors and adapters available on the front of a CCH module, use the appropriate items provided in the Plug & Play Cleaning as described in the instructions provided with the kit.
- Periodically check the fiber optic cable to make sure bends do not exceed the minimum bend radius. Check the trunk for unnecessary strain. Check the trunk cable for crimping or crushing.

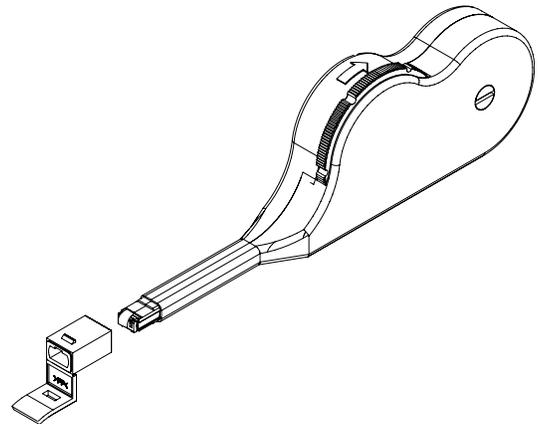


Figure 4