CORNING

CCH Modules with LC Duplex Shuttered Adapters

p/n 003-122, Issue 2

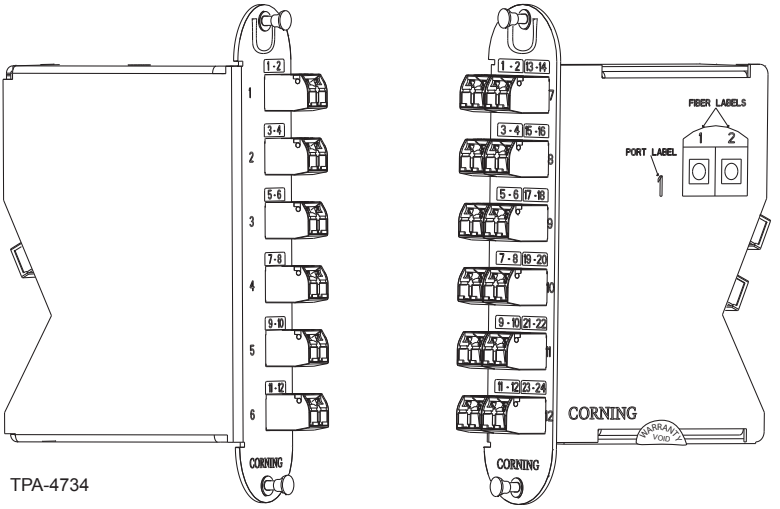


Figure 1

1. General

This document describes the installation and maintenance of the 12- and 24-fiber versions of CCH Plug & Play™ System modules equipped with LC duplex shuttered connector adapters (Figure 1).

The shuttered LC adapters used in these modules eliminate the use of easily misplaced individual dust caps and ensure that the adapters remain clean when not in use.

IMPORTANT: CCH modules are factory-sealed. Breaking the seal will void the manufacturer's warranty.

2. Precautions

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.

3. Tools and Materials

The following tools and materials, purchased separately, are required to complete this procedure:

- LC cleaning tool, Corning Optical Communications p/n CLEANER-PORT-LC
- MTP cleaning tool, p/n 2104466-01

4. Module Installation

Step 1: Remove a blank panel by pressing in on the panel's tabs.

Step 2: 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.

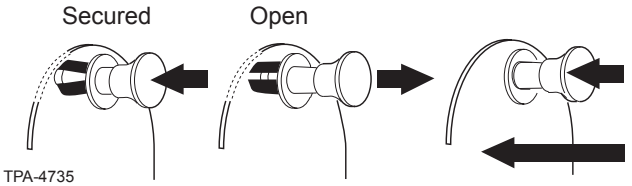


Figure 2

5. Connecting the Module with an MTP® Trunk Cable

Step 1: 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 cable into an adapter:

a. Remove the dust caps from the MTP connector on the end of the trunk cable and the MTP adapter on the back of the CCH connector module.

b. To install the connector, grasp the connector by its boot, which is marked “push.” Align the key in the connector with the clot in the adapter. Push the connector until it clicks in place (Figure 3).

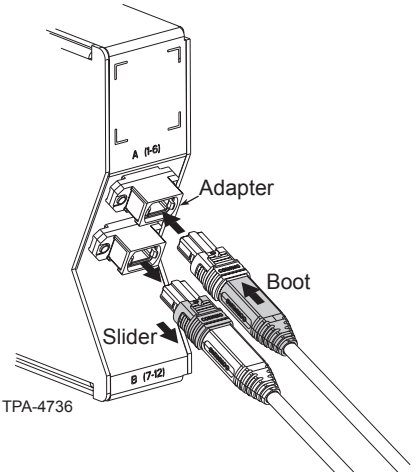


Figure 3

Step 2: To unplug the connector, grasp the slider, which is marked “pull.” Pull the connector out of the adapter.

IMPORTANT: Do not pull on the boot to unplug the connector.

6. 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 MTP® connector adapters and the trunk cable's connectors when they are unmated. Clean the connectors before each mating.

To clean LC duplex connectors and the LC shuttered adapters on the front of the CCH module, use a CLEANER-PORT-LC tool as described in its instructions.

To clean the MTP connectors and adapters, use an MTP connector cleaning tool (p/n 2104466-01) as described in its instructions (Figure 4).

Periodically check the fiber optic cable to make sure bends do not exceed the minimum bend radius. Check the trunk cable for unnecessary strain, crimping, or crushing.

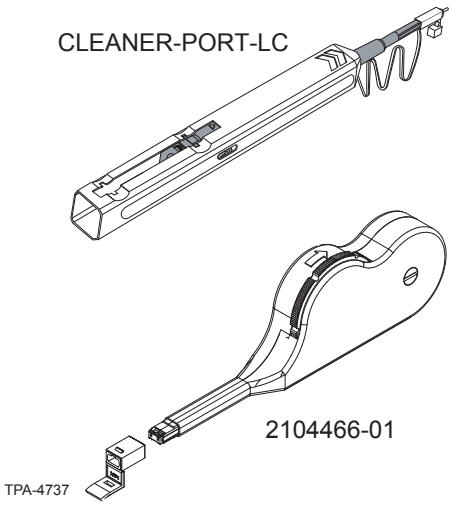


Figure 4

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