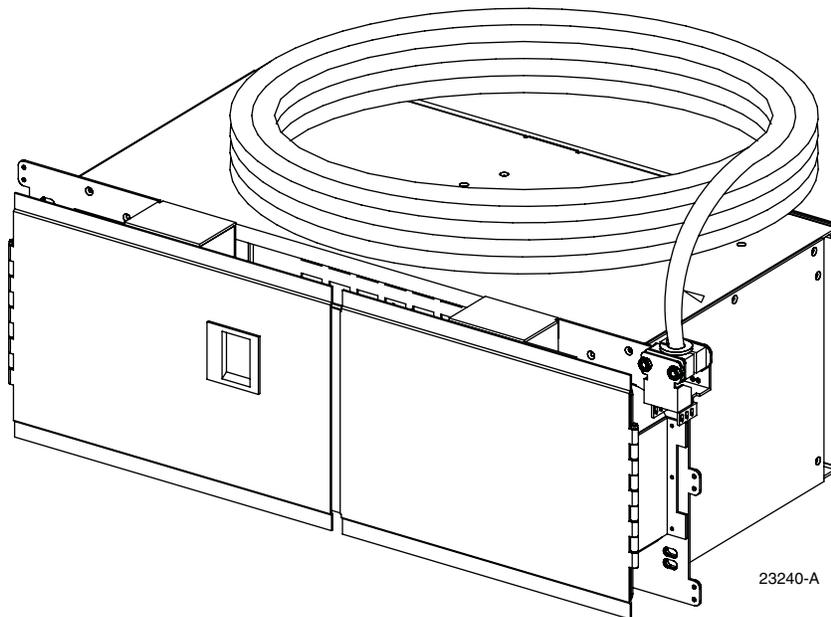


Fiber Distribution Frame (FDF) Pre-Terminated Rear Load Connector Module



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INTRODUCTION

This manual provides a description and installation instructions for the ADC Pre-Terminated Rear Load Connector Module.

Revision History

ISSUE	DATE	REASON FOR CHANGE
1	12/2008	Original.
7	4/2009	Updated to show new product options (coil or spool). Procedures updated accordingly.
Rev B	February 2018	Reformatted from ADC format to CommScope.

Related Publications

Title	ADCP Number
Fiber Distribution Frame User Manual	90-113
Fiber Distribution Frame Connector Module User Manual	90-190

Trademark Information

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Admonishments

Important safety admonishments — in the form of Dangers, Warnings, and Cautions — must be followed at all times.



Danger: *Danger is used to indicate the presence of a hazard that **will** cause severe personal injury, death, or substantial property damage if the hazard is not avoided.*



Warning: *Warning is used to indicate the presence of a hazard that **can** cause severe personal injury, death, or substantial property damage if the hazard is not avoided.*



Caution: *Caution is used to indicate the presence of a hazard that **will** or **can** cause minor personal injury or property damage if the hazard is not avoided.*

1 GENERAL DESCRIPTION

The Pre-Terminated Rear Load Connector Module, shown in [Figure 1](#), is a 23-inch rack-mount panel equipped with adapters and connectors and pre-terminated in the factory to a multi-fiber cable of customer-selected length. The connector module is available with 72, 96, or 144 termination positions. In a typical application, the stub end of the cable, terminated on the rear side of the connector bulkhead, is routed to a fiber entrance facility or active equipment tie panel. Patch cords installed on the front side of the connector bulkhead provide an optical pathway to fiber optic terminal equipment.

The cross-connect module is designed to be installed in an unequal flange rack. It has cable management attached to the rear side of the module. For this reason, if it is installed on an ADC frame, the frame must be of the rear load type, which is intended for eight modules, each with individual sections of rear cable management. The module cannot be mounted on an ADC front load frame; a front load frame has a single-section, entire-rack cable management structure. If the module is installed on a non-ADC rack, a cable management kit (accessory) is required.

The pre-terminated module is shipped in either of two forms. If the cable stub is 31 meters or less in length, the cable is coiled on top of the module and shipped as shown in [Figure 2](#). If the cable stub is more than 31 meters in length, the cable is wound around a spool and the module is shipped within a “hat box” container on top of the spool, as shown in [Figure 3](#).

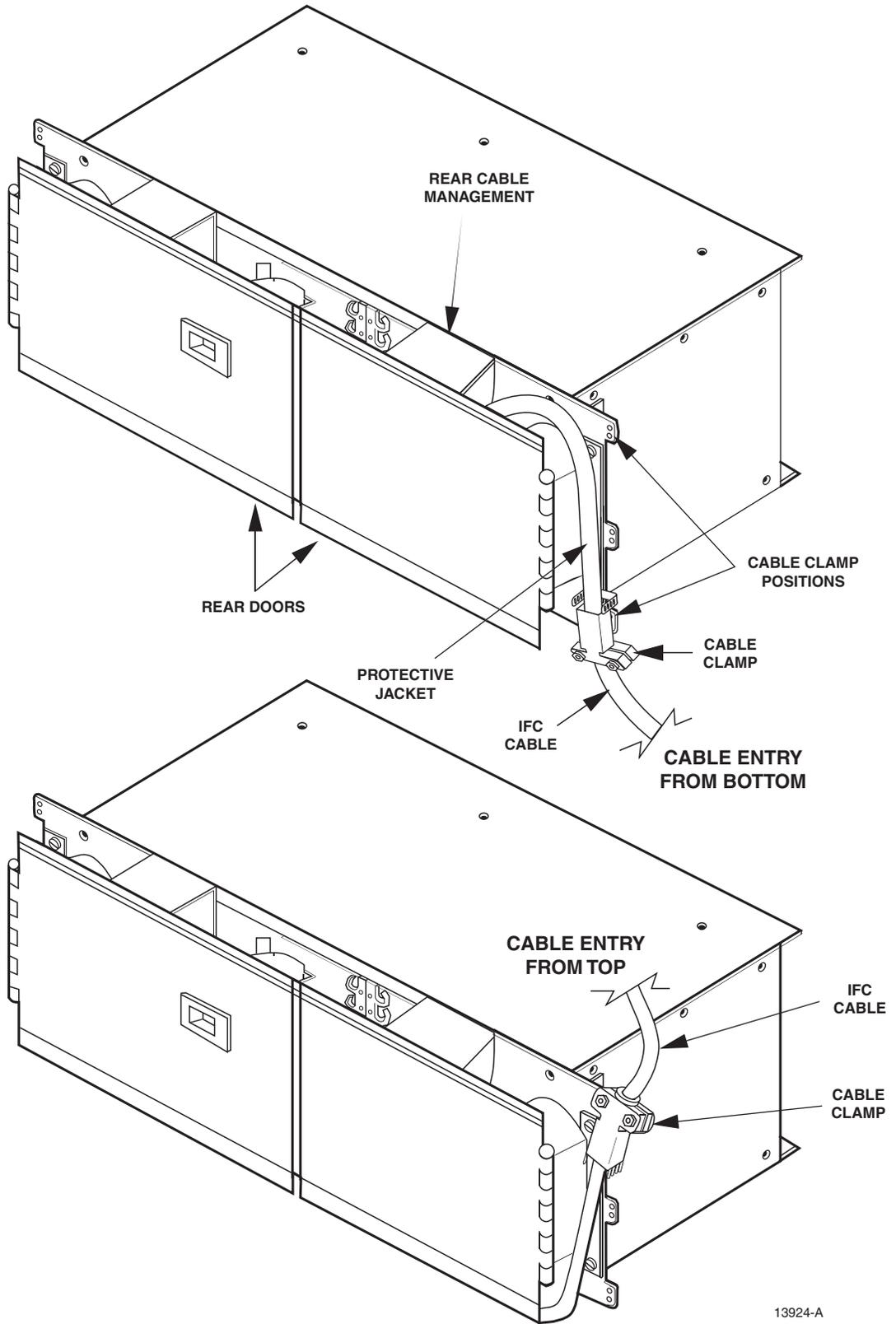


Figure 1. Main Components of Pre-Terminated Rear Load Connector Module

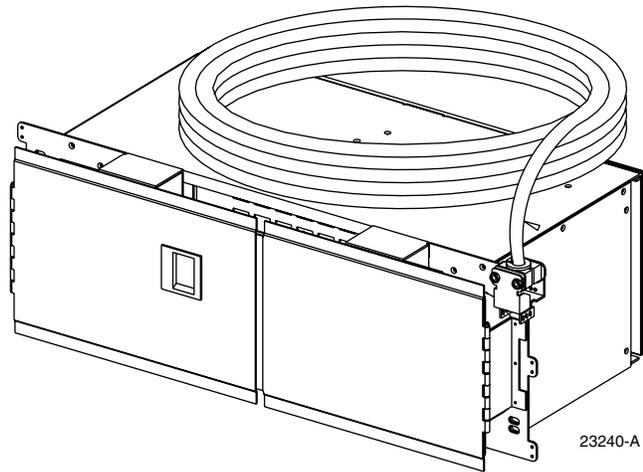


Figure 2. Rear Load Connector Module With Coil

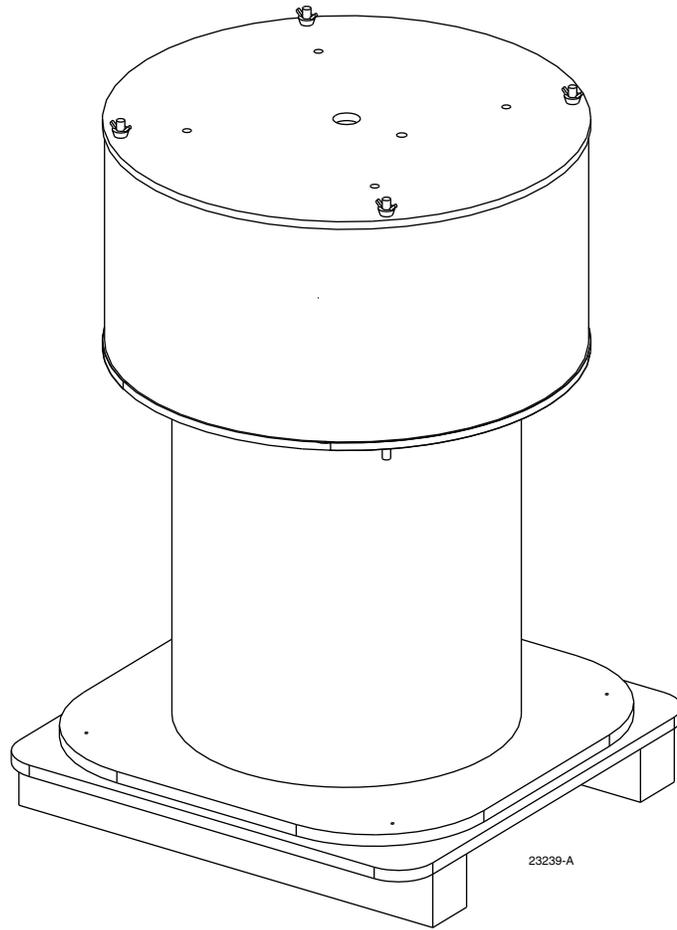


Figure 3. Rear Load Connector Module With Spool

2 INSTALLING A MODULE SHIPPED WITH COILED CABLE

If the connector module is shipped with a coil of cable on top of it, as shown in [Figure 2 on Page 4](#), use the following procedure to install the module:

1. Place the shipment box near the FDF where the connector module is to be installed.

► **Note:** Take care to avoid excess strain on the cable clamp when unraveling the cable.

2. Unwind the cable from the top of the module, being careful to keep twists away from the cable clamp. Unravel the entire cable, extending it down and back a nearby protected aisle or open area.
3. Route the cable overhead or underfloor into the cable tray system per local practice.
4. Lift the module out of the shipping box.
5. Align the mounting holes of the connector module with the threaded mounting holes in the frame, as shown in [Figure 4](#).

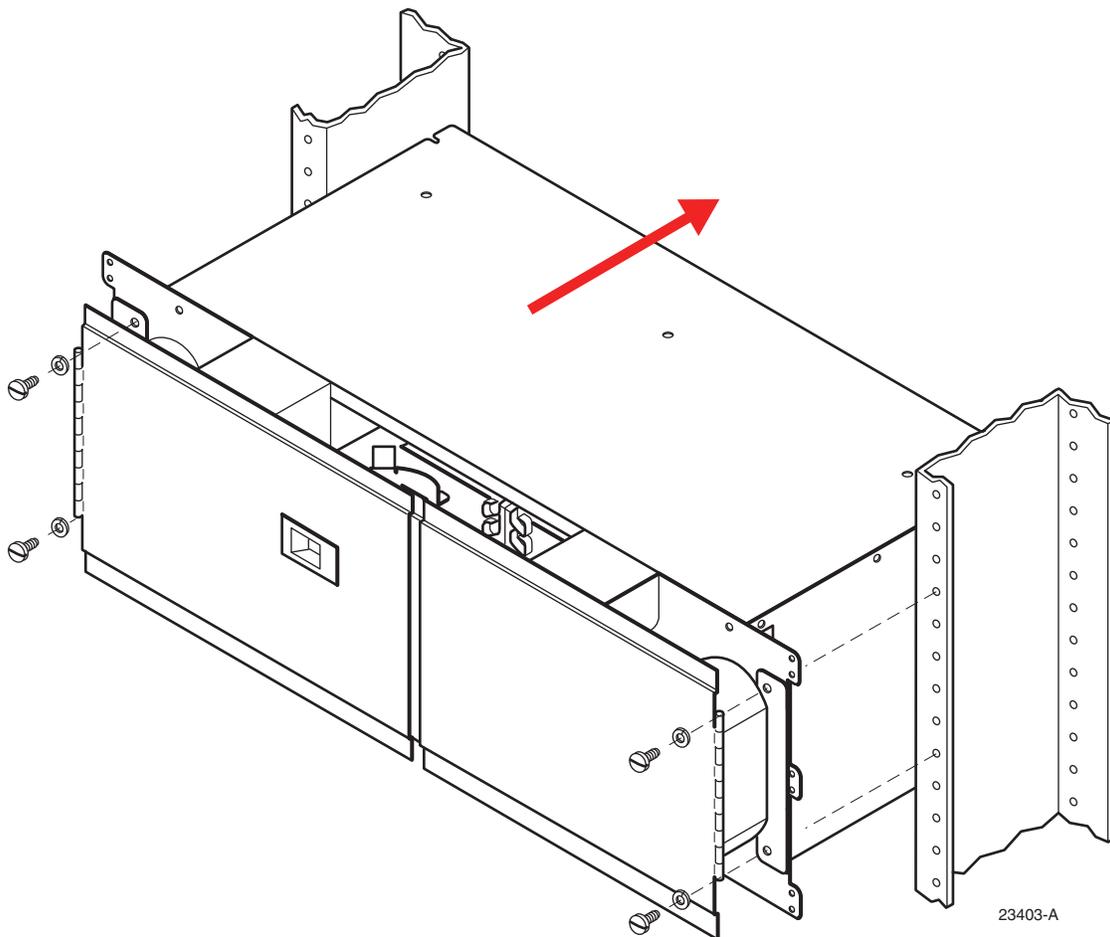


Figure 4. Installing Connector Module on Frame (Cable Not Shown)

6. Secure the module to the frame using 12-24 mounting screws and #12 washers provided.
7. Finish routing the cable and secure it overhead or underfloor within the cable tray system per local practice.

3 INSTALLING A MODULE SHIPPED WITH A SPOOL

If the module is shipped within a “hat box” container on top of the spool, use the following procedure to install the module:

1. Move the shipment container internally to the installation location, and place it on the floor near the frame that the module will be installed on.
2. Take off the external packing.
3. Remove the four screws at the base of the spool as shown in [Figure 5](#).
4. Unwind the IFC cable in a counterclockwise direction off the spool, as shown in [Figure 5](#). As the cable is unwound, route it overhead or underfloor into the cable tray system per local practice.
5. Unscrew the four wingnuts on the top of hat box and remove the hat box cover by lifting it straight up, as shown in [Figure 6](#).
6. Lift the connector module out of the hat box.

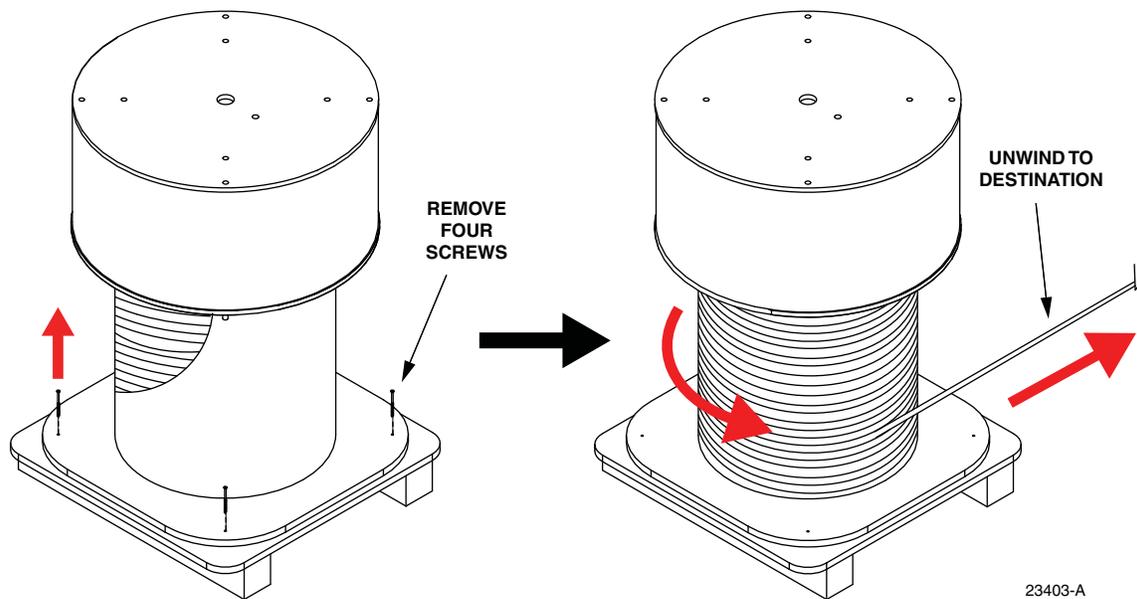


Figure 5. Removing Base Screws and Unwinding Cable

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7. Align the mounting holes of the connector module with the threaded mounting holes in the frame, as shown in [Figure 4 on Page 5](#).
8. Secure the module to the frame using 12-24 mounting screws and #12 washers -provided.
9. Finish routing the cable and secure it overhead or underfloor within the cable tray system per local practice.

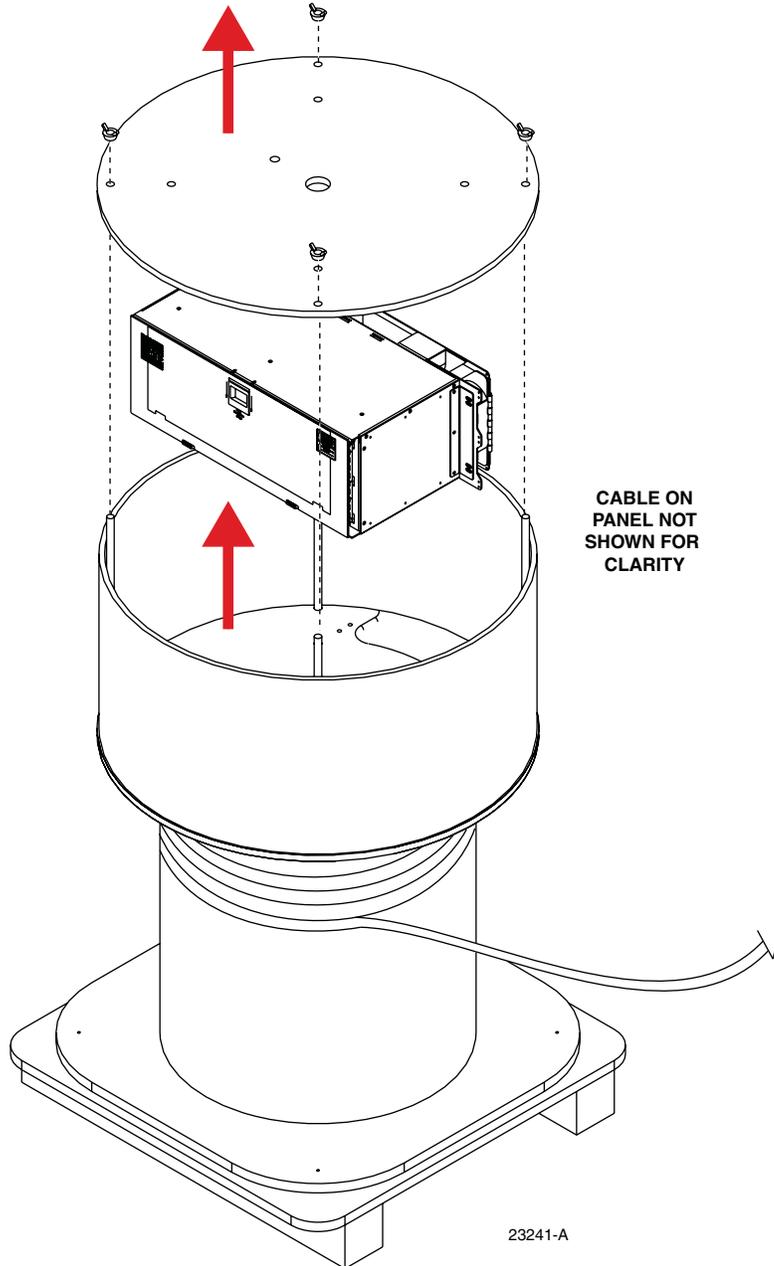


Figure 6. Extracting Connector Module from Hatbox

4 PRODUCT SUPPORT

<http://www.commscope.com/SupportCenter>

