





| related literature |   |
|--------------------|---|
| 003-876-QSG        | Closet Connector Housing (CCH) 1U/2U/3U Quick Start Guide |
| 003-876            | Instruction, Closet Connector Housing (CCH) 1U/2U/3U      |
| 003-877-QSG        | Closet Connector Housing (CCH) 4U Quick Start Guide       |
| 003-877            | Instruction, Closet Connector Housing (CCH) 4U            |

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### 1. PRECAUTIONS

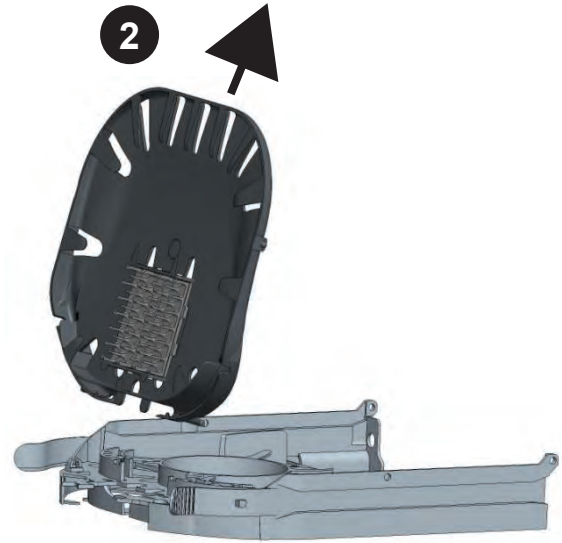
- |   |  |
|---|--|
|  | <b>WARNING:</b> Never look directly into the end of a fiber that may be carrying laser light. Laser light can be invisible and can damage your eyes. Viewing it directly does not cause pain. The iris of the eye will not close involuntarily as when viewing a bright light. Consequently, 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.  |
|  | <b>WARNING:</b> DO NOT use magnifiers in the presence of laser radiation. Diffused laser light can cause eye damage if focused with optical instruments. Should accidental eye exposure to laser light be suspected, arrange for an eye examination immediately.   |
|  | <b>CAUTION:</b> Recommend the use of safety glasses (spectacles) conforming to ANSI Z87, for eye protection from accidental injury when handling chemicals, cables, or working with fiber. Pieces of glass fiber are very sharp and have the potential to damage the eye.  |
|  | <b>CAUTION:</b> The wearing of cut-resistant safety gloves to protect your hands from accidental injury when using sharp-bladed tools and armored cable is strongly recommended. Use extreme care when working with severed armor. There will be a sharp edge where armor is cut. To minimize the chance of injury from the cut armor, cover the exposed edge with a wrap of electrical tape. To minimize the chance of injury from sharp-bladed tools, always cut away from yourself and others. Dispose of used blades and armor scrap properly. |



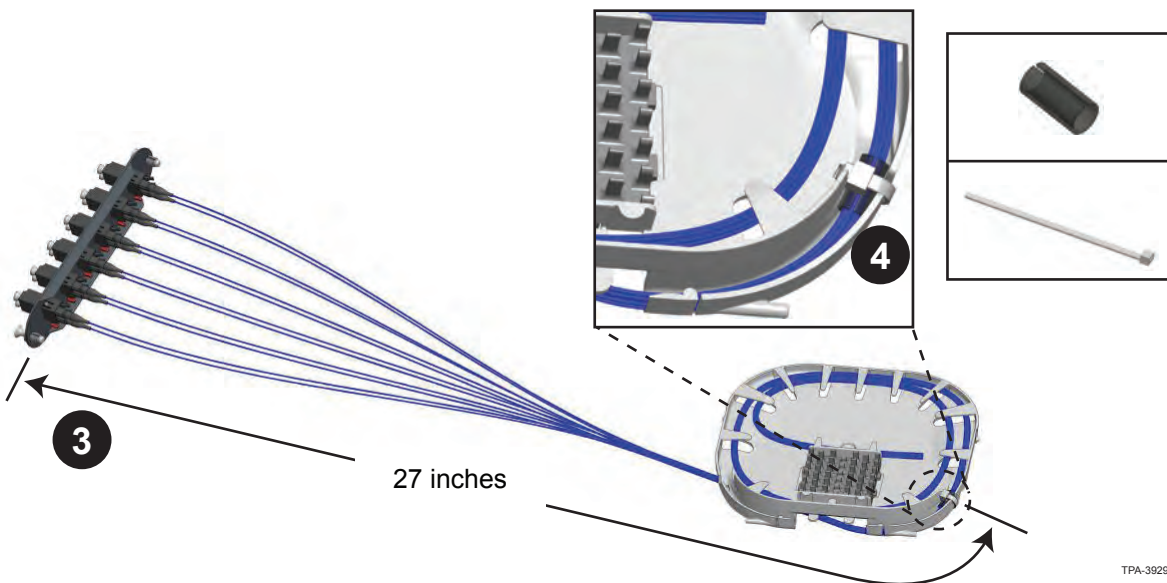
**CAUTION:** Cleaved or broken glass fibers are very sharp and can pierce the skin easily. Do not let these pieces of fiber stick to your clothing or drop in the work area where they can cause injury later. Use tweezers to pick up cleaved or broken pieces of glass fibers and place them on a loop of tape kept for that purpose alone. **Good housekeeping is very important.**

## 2. SPLICE CASSETTE (CCH-CS) INSTALLATION — TIGHT BUFFER OR LOOSE TUBE FIBER

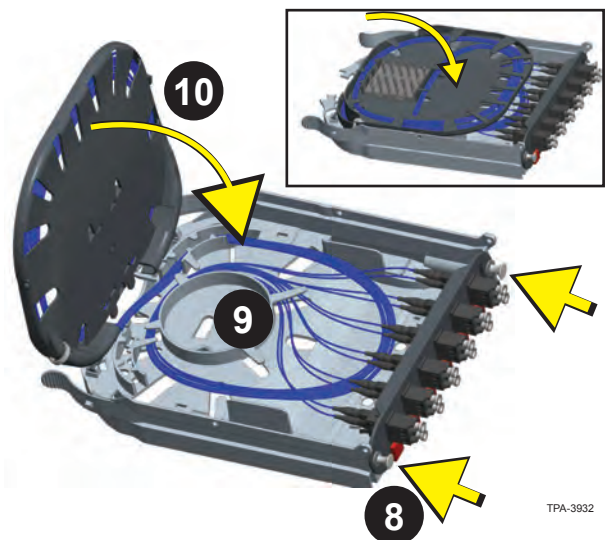
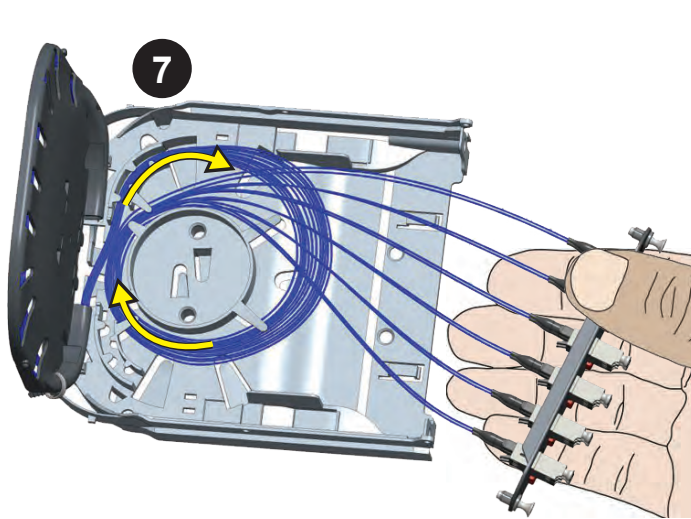
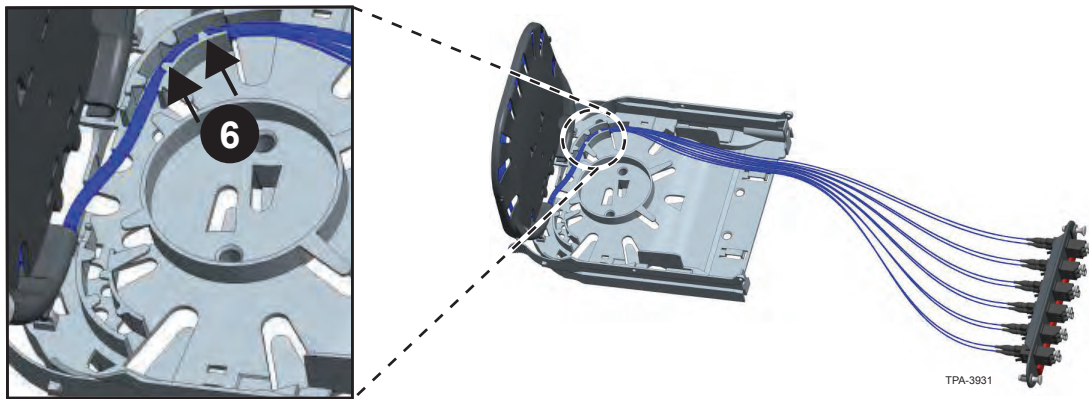
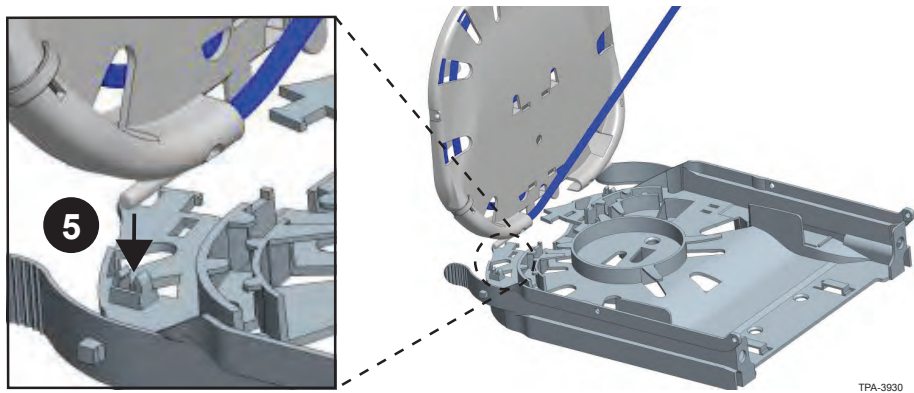
### 2.1. Fiber Routing



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TPA-3929

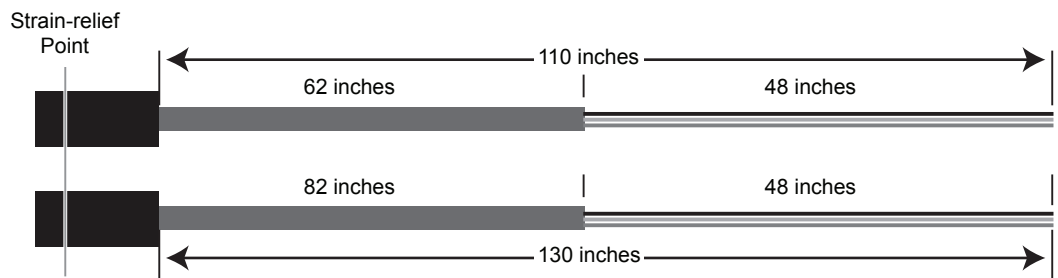


## 2.2. Cable Preparation

Strip Lengths  
for Splicing

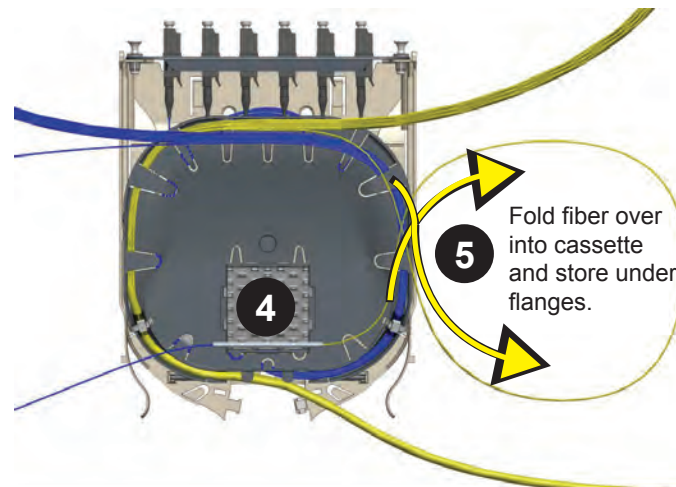
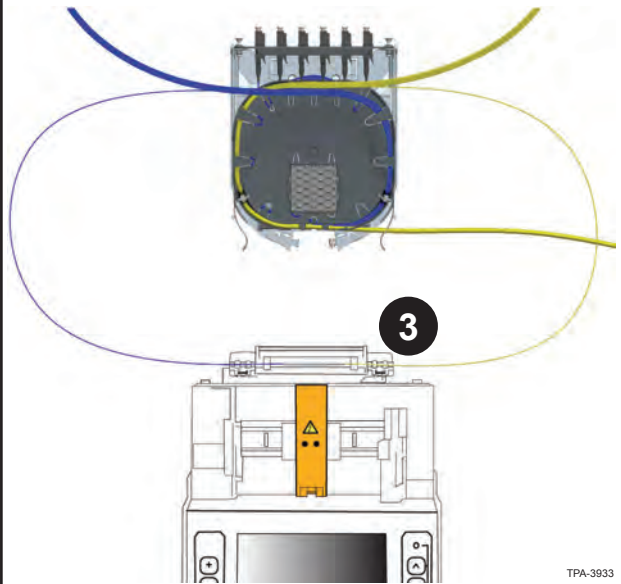
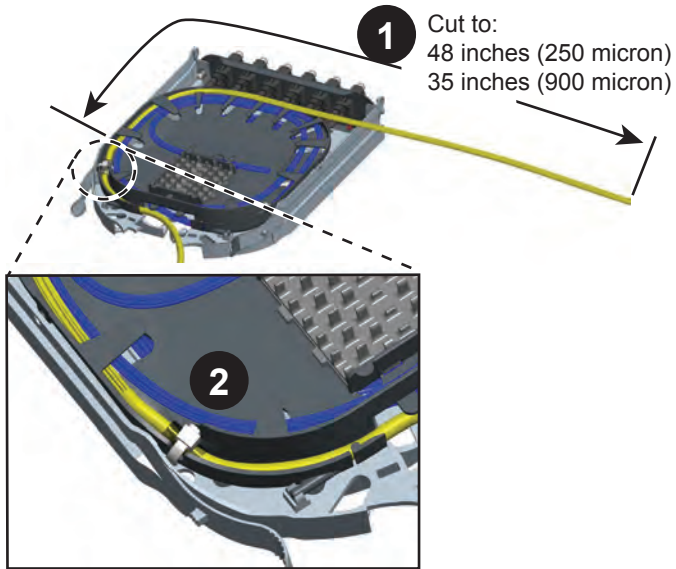
1U/2U/3U Housing

4U Housing

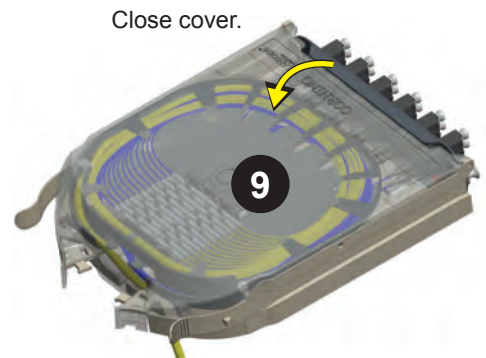
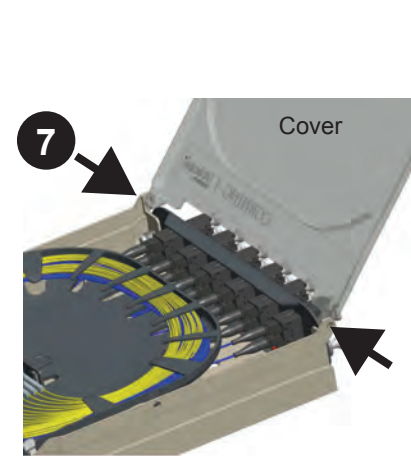
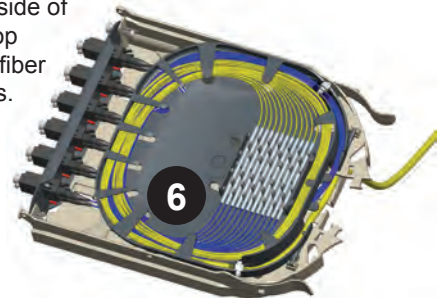


TPA-3951

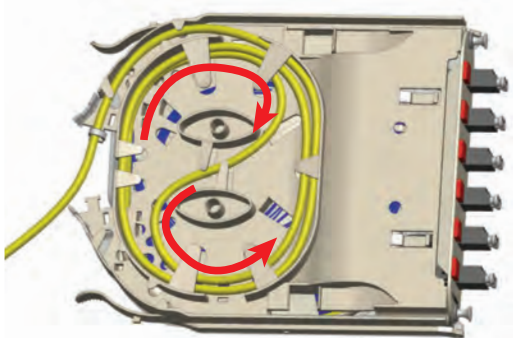
## 2.3. Splicing Tight Buffer or Loose Tube Fiber



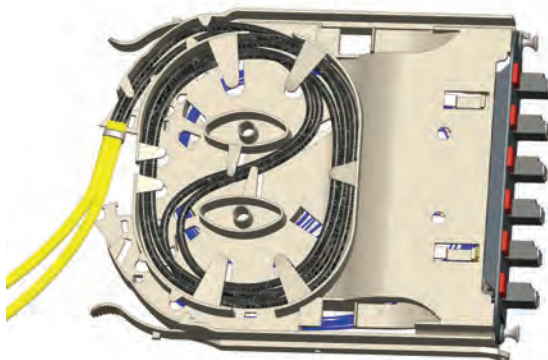
Repeat Step 5 on the other side of cassette. Loop and store all fiber under flanges.



- 10** Store up to 38 inches of cable slack under cassette.



Loose Tube Fiber

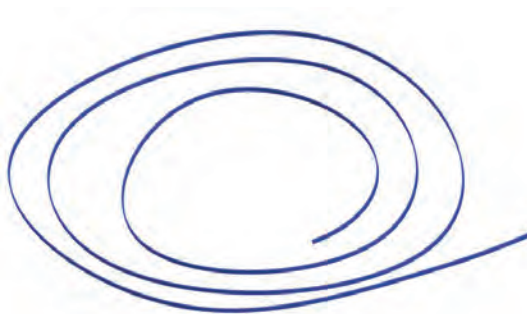


Tight-buffer Fiber

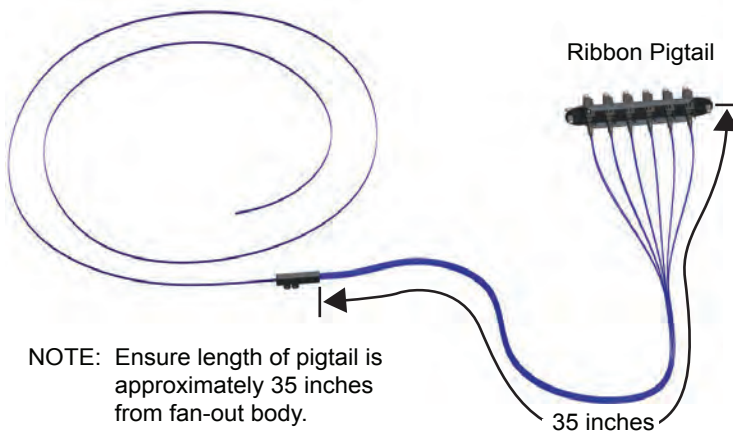
Protect tight-buffer fiber with braided tubing, if needed, for multiple cables or 24-fiber cables.

### 3. SPLICE CASSETTE (CCH-CS) INSTALLATION — RIBBON FIBER

#### 3.1. Ribbon Fiber Preparation and Routing



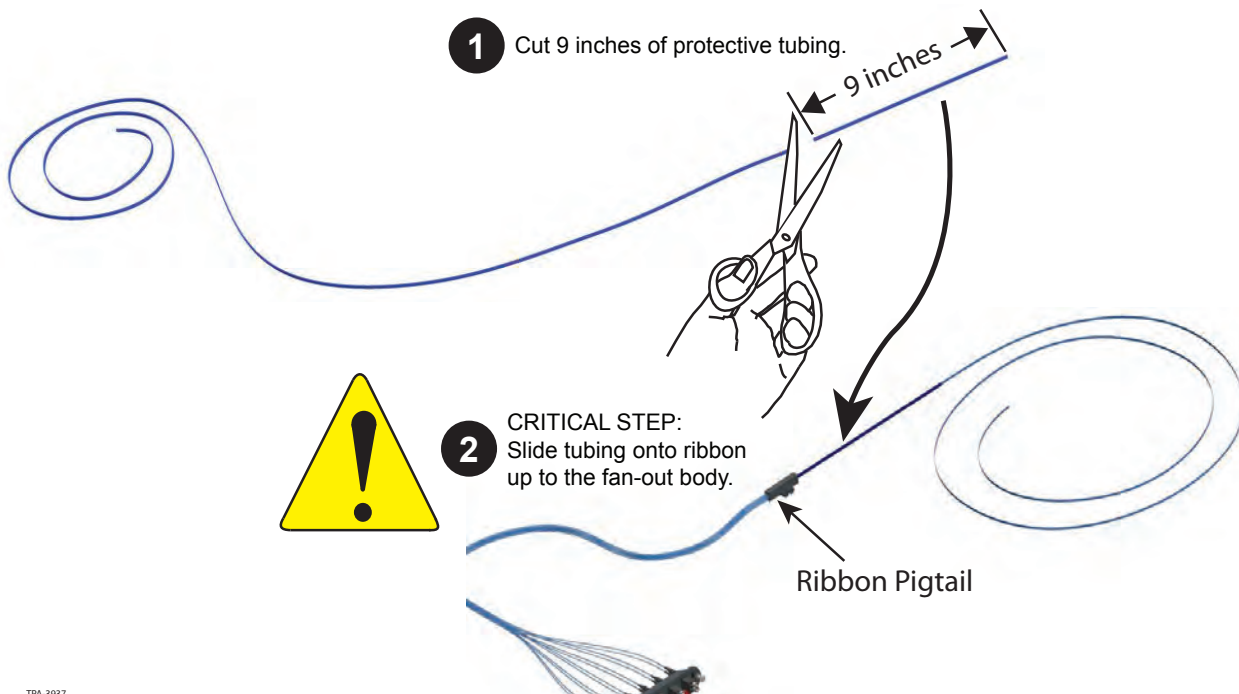
Protective tubing is required for ribbon splicing application.



NOTE: Ensure length of pigtail is approximately 35 inches from fan-out body.

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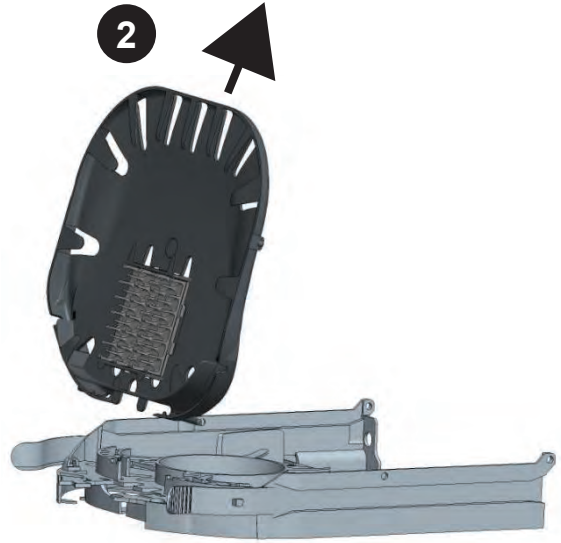
- 1** Cut 9 inches of protective tubing.



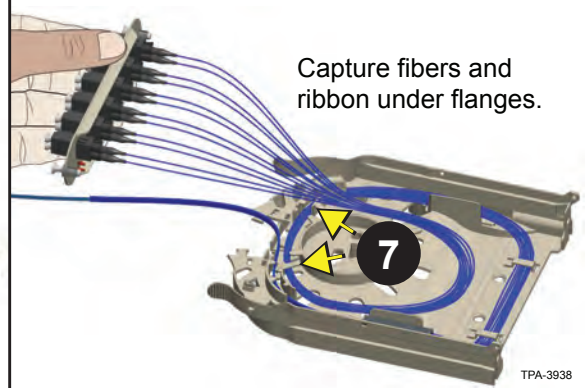
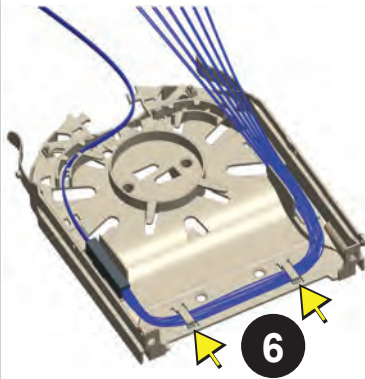
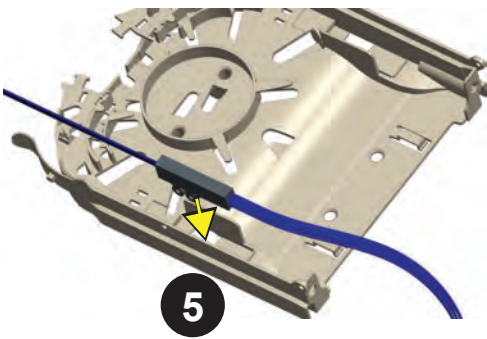
- 2** CRITICAL STEP: Slide tubing onto ribbon up to the fan-out body.

Ribbon Pigtail

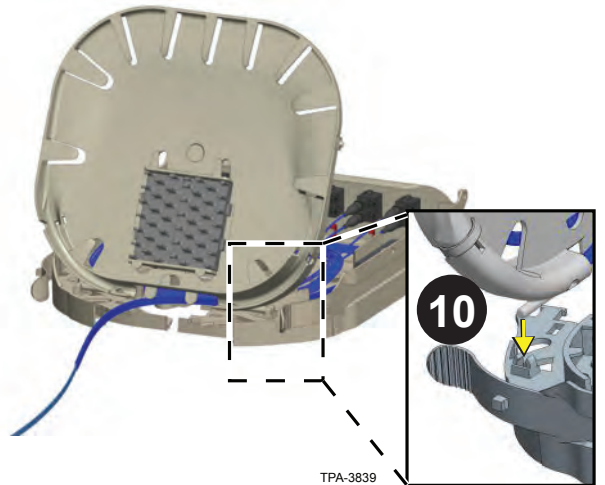
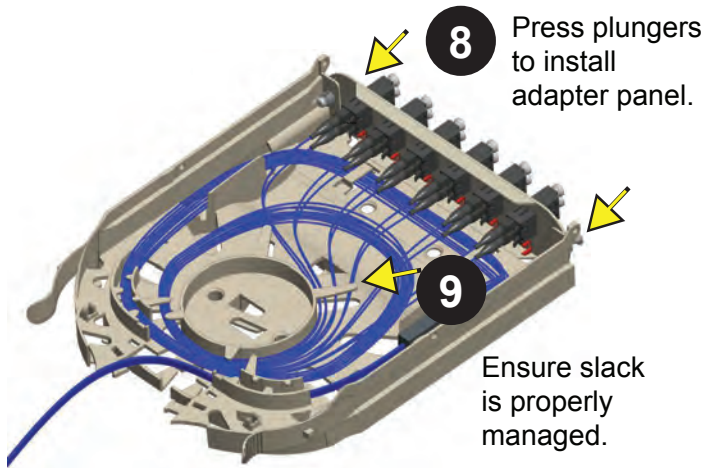
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TPA-3928



TPA-3938



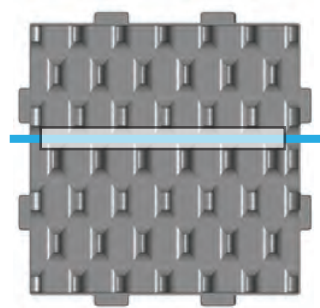
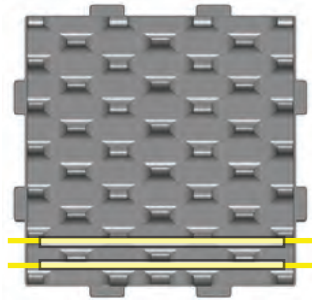
TPA-3839

### 3.2. Ribbon Fiber Splicing

NOTE: Rotate splice organizer 90-degrees from its factory-installed orientation meant for single fibers to the orientation shown for ribbon fiber splices.

Single-fiber Orientation

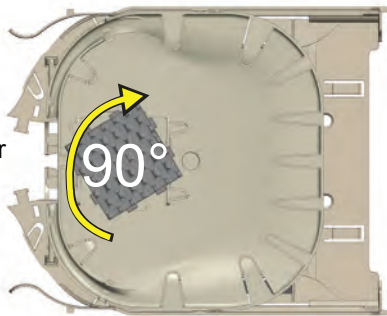
Mass Fusion Ribbon Orientation



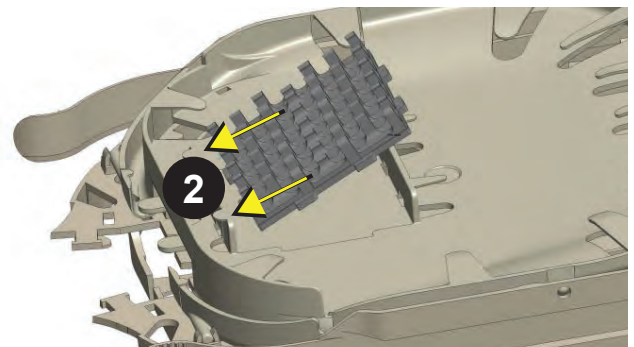
TPA-3949

1

Rotate splice organizer 90° for ribbon storage.

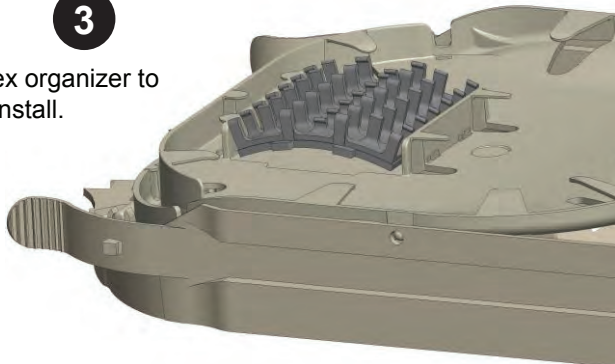


2



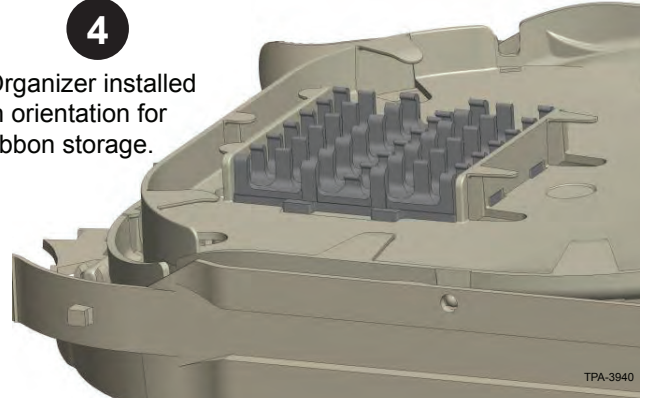
3

Flex organizer to reinstall.



4

Organizer installed in orientation for ribbon storage.



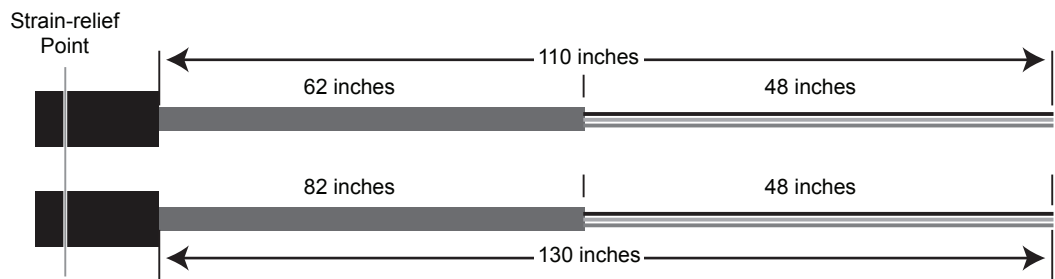
TPA-3940

### 3.3. Splicing Preparation

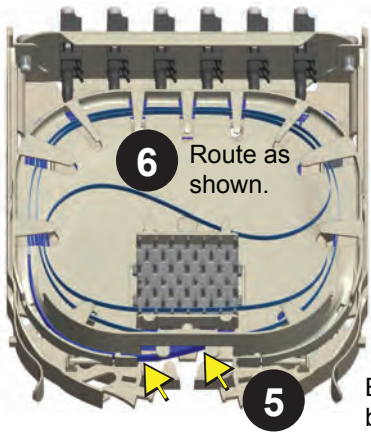
Strip Lengths for Splicing

1U/2U/3U Housing

4U Housing

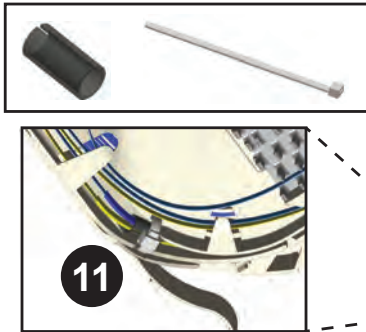
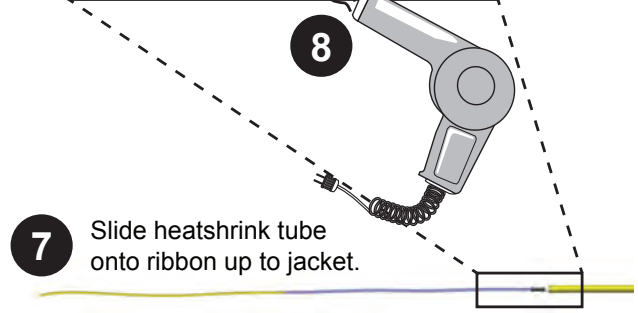


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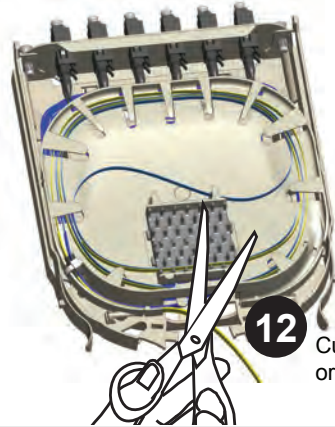
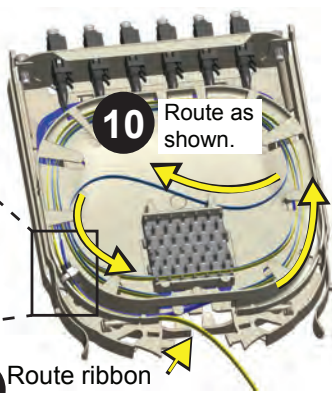


**5** Bring pigtail ribbon from bottom layer into top layer.

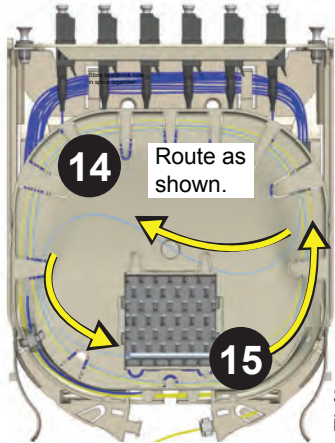
Apply heat to heatshrink tube.



Place ribbons in tube; secure with cable tie.

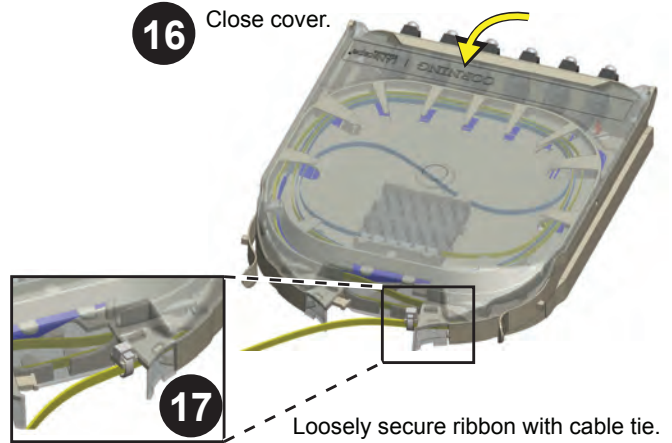


**13** Splice per the instructions provided with the splice equipment.

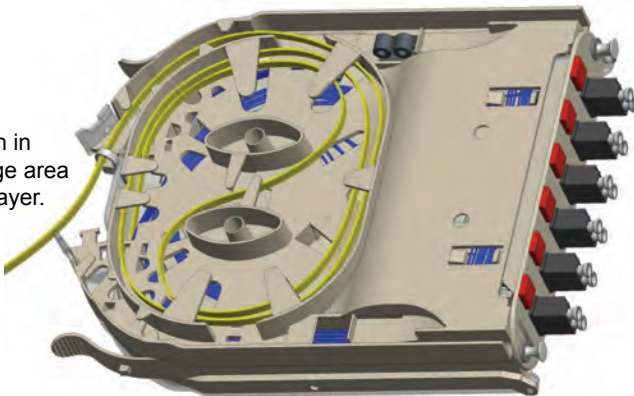


Store heatshrink tubing in splice organizer.

**16** Close cover.



**18** Store ribbon in slack storage area on bottom layer.



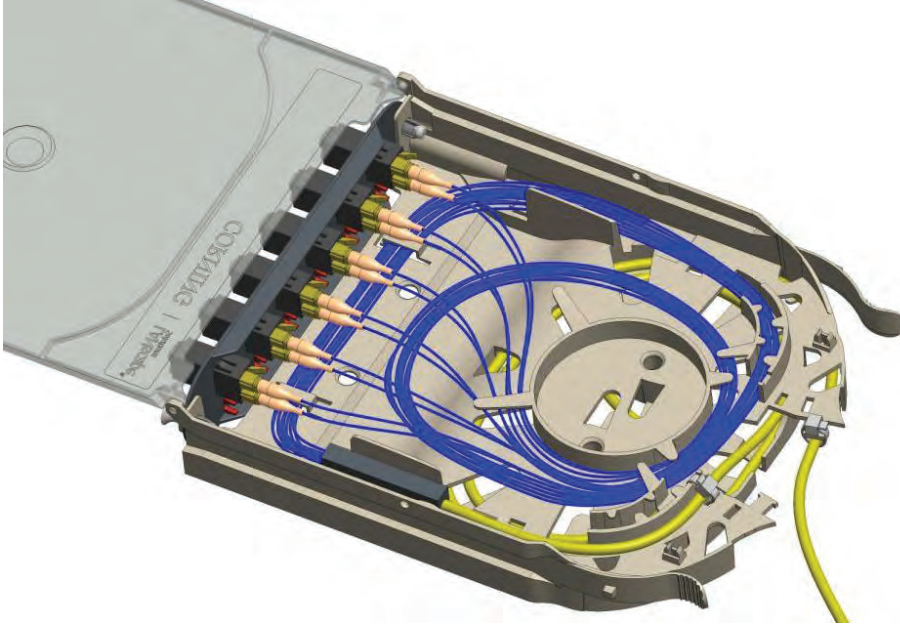
TPA-3941

TPA-3942



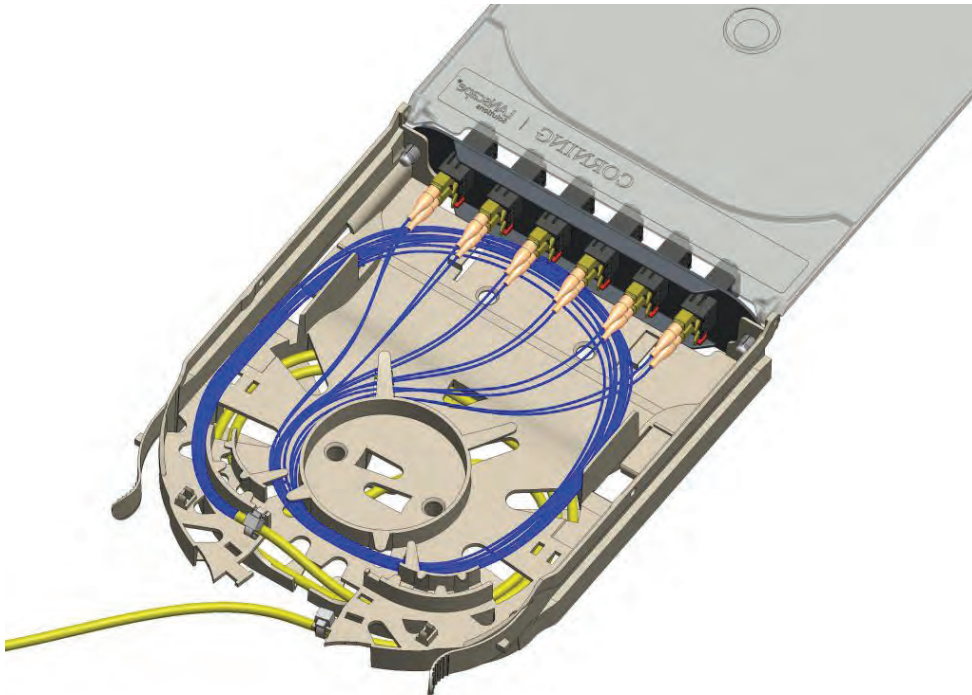
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#### 4. SLACK CASSETTE (CCH-CF) FIELD TERMINATION — LOOSE TUBE OR RIBBON CABLE

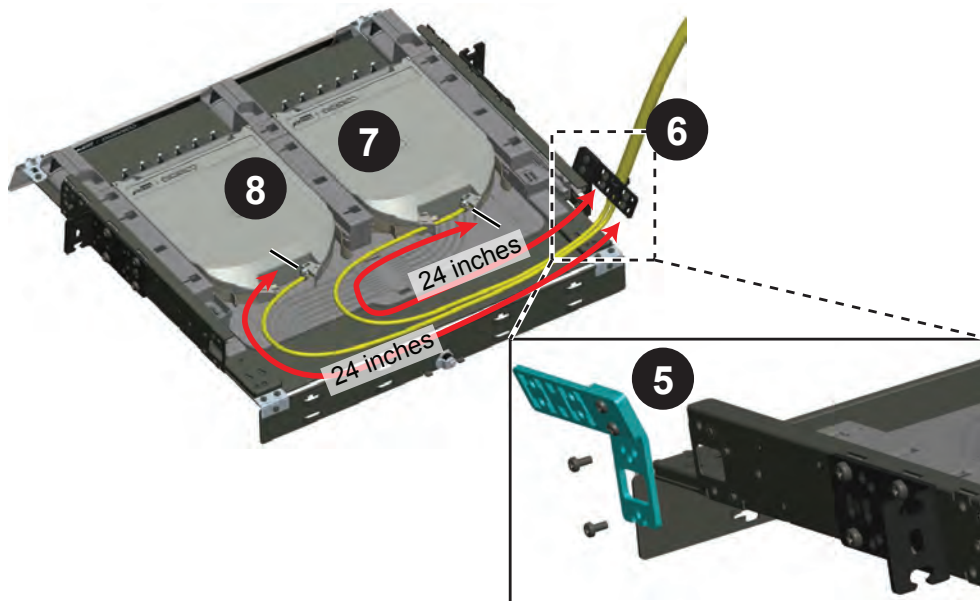
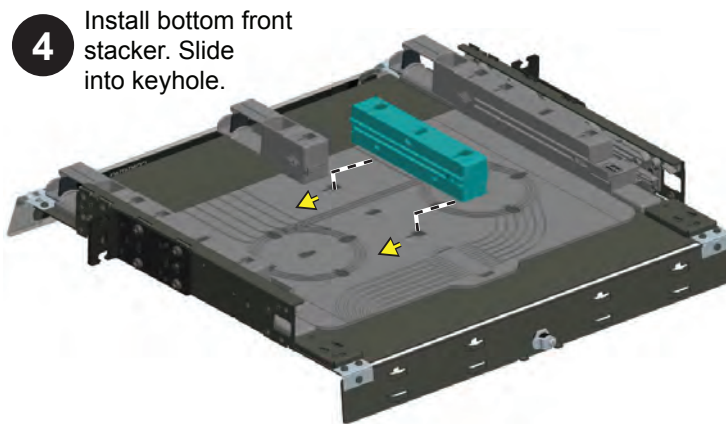
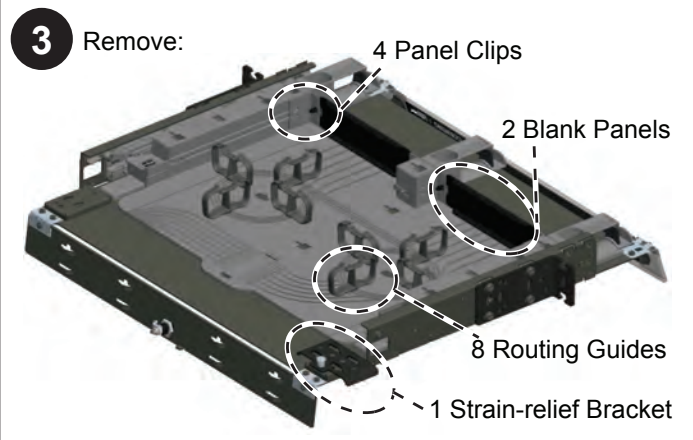
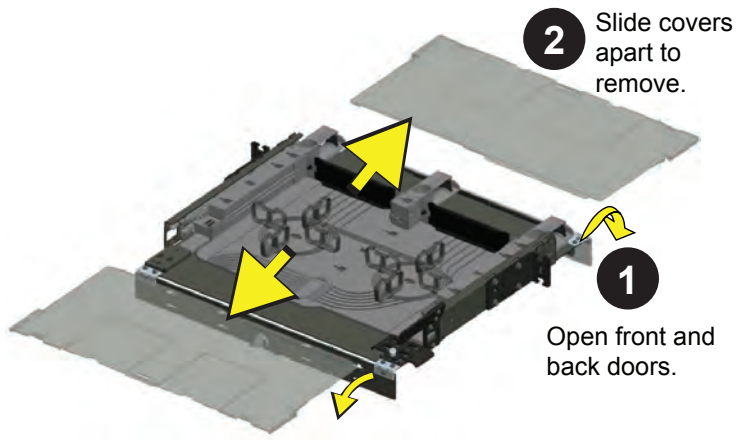


TPA-3046

#### 5. SLACK CASSETTE (CCH-CF) FIELD TERMINATION — TIGHT BUFFER CABLE



## 6. CASSETTE INSTALLATION IN CCH-01U, CCH-02U, OR CCH-03U CLOSET CONNECTOR HOUSING

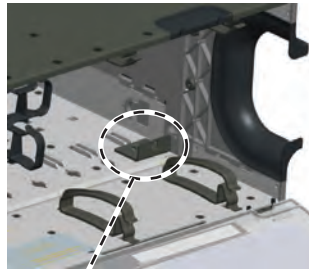
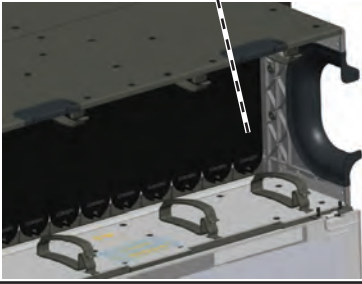


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## 7. CASSETTE INSTALLATION IN CCH-04U CLOSET CONNECTOR HOUSING

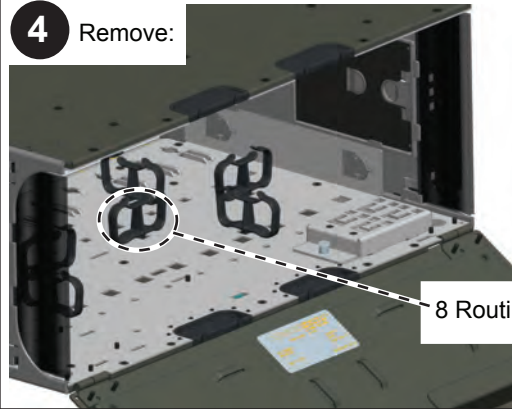
**1** Open front and rear doors.

**2** Remove:  
12 Blank Panels



**3** Remove:  
24 Panel Clips

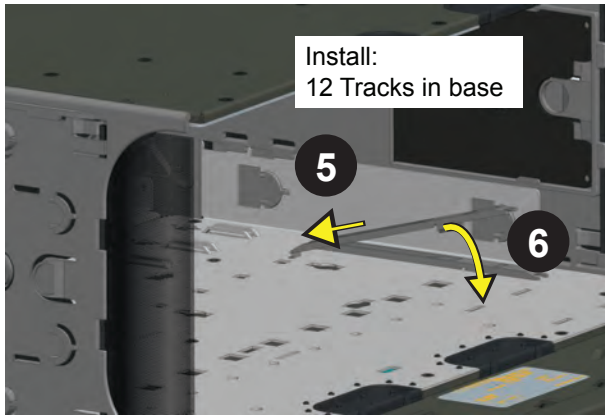
**4** Remove:



8 Routing Guides

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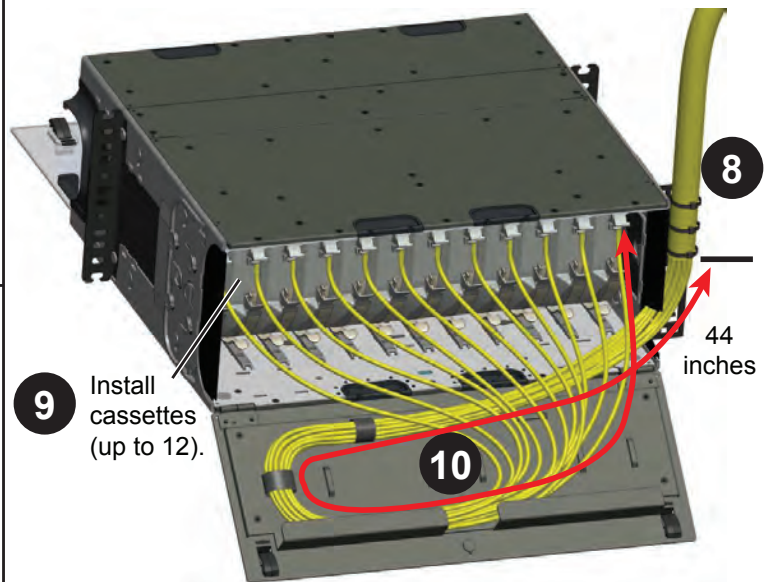
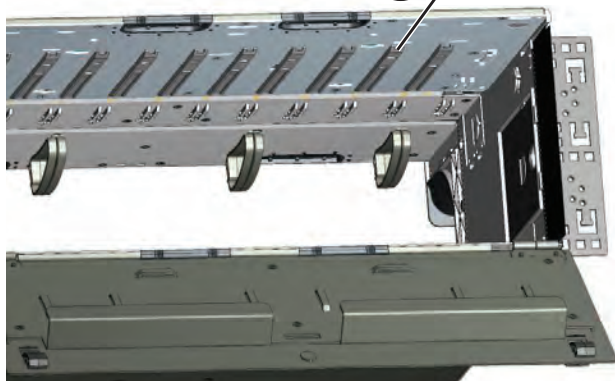
Install:  
12 Tracks in base



**5**

**6**

**7** Install:  
10 Tracks in roof



**8**

**9** Install  
cassettes  
(up to 12).

**10**

44  
inches

TPA-3945

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