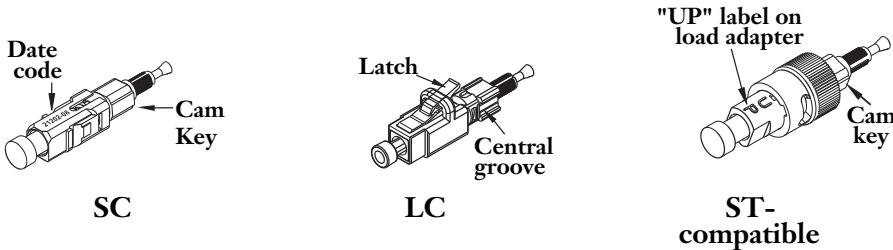


Critical Steps Card for Pretium® UniCam® Connectors

This procedure is intended to provide the key steps to ensure successful installation of a Pretium® UniCam® Connector. Refer to SRP 006-369 for complete instructions and precautions and visit www.corning.com/cablesystems/unicamvideo for additional information.

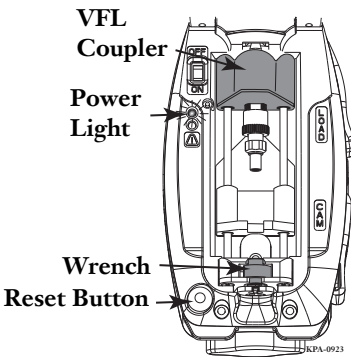
1. CONNECTOR PREPARATION

- Connector cam may move slightly in shipment, so verify that the connector is in its open position:
- SC connectors are in their open position when the key is 90 degrees from the date code.
 - LC connectors are in their open position when the key is 90 degrees from the latch which secures the load adapter.
 - ST®-compatible connectors are in their open position when the key is 90 degrees from the “UP” of the load adapter.

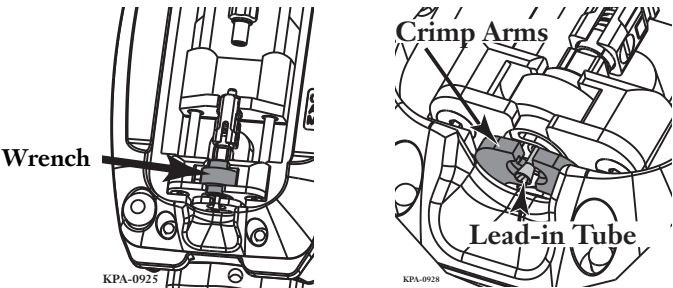


2. TOOL PREPARATION
PRETIUM TOOL p/n TL-UCP

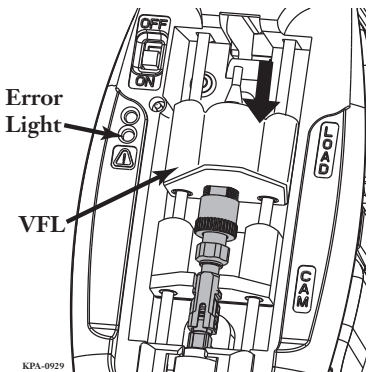
1. Turn the tool on. Verify that:
 - a. The Power Light is illuminated and not flashing.
 - b. The VFL Coupler and Wrench are in their starting position. If not, press Reset Button.
 - i. VFL Coupler locked back.
 - ii. Wrench is closed.
 - c. The correct Ferrule Adapter is installed.
 - i. 1.25 for LC
 - ii. 2.50 for SC and ST
2. Remove dust cap from the connector.



3. Press the LOAD Button and insert the connector lead-in tube first into the tool so the cam is completely seated in the Wrench and the lead-in tube is protruding through the Crimp Arms. Release LOAD Button.

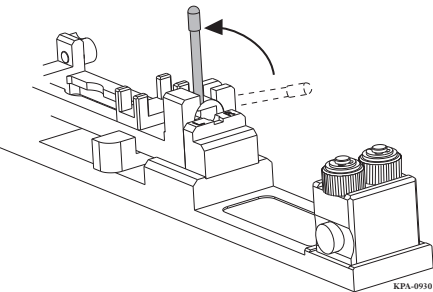


4. Slide the VFL Coupler down and ensure that the Ferrule Adapter is completely seated on the connector.
5. Close the cover and check for the Error Light. If the Error Light is flashing, refer to Chapter 7 of SRP 006-369.



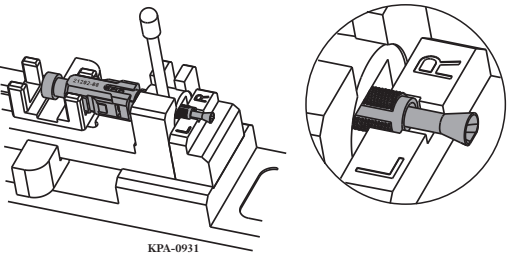
STANDARD TOOL p/n TL-UC01

Move the wrench handle on the installation tool to the “UP” position.



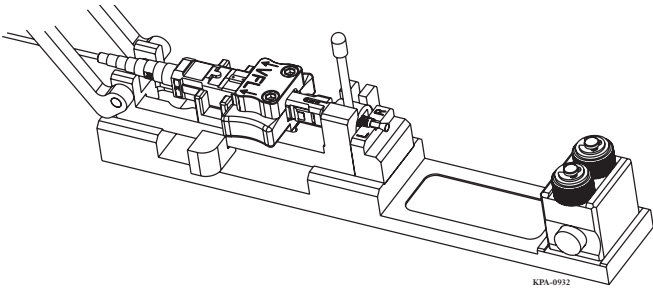
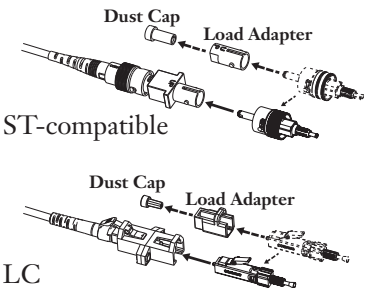
Non-CTS Installations:

Place the connector into the tool correctly. Connector should be facing up.



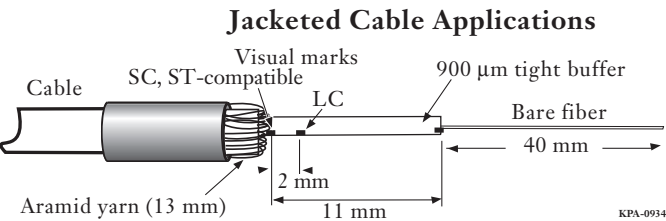
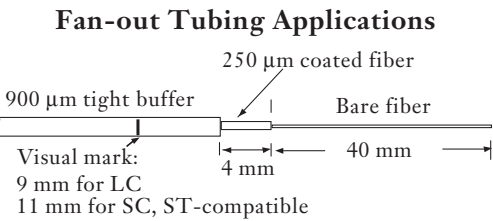
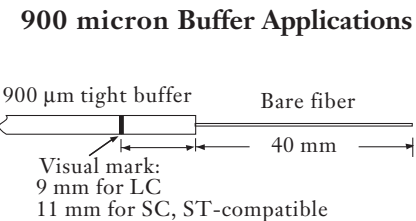
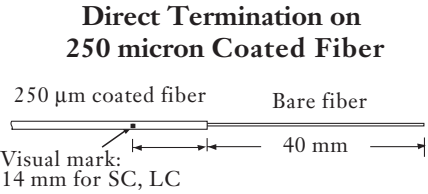
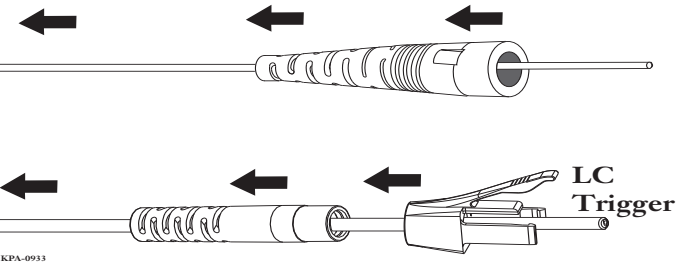
CTS Installations:

1. Remove the clear ferrule dust cap on all connectors. For LC and ST-compatible connectors, also remove the black load adapter.
2. Place the connector into the CTS adapter and then place into tool.



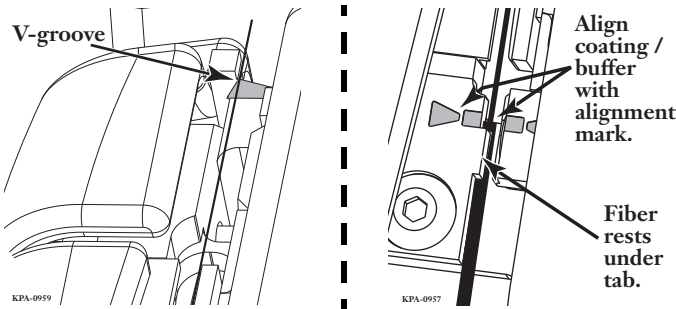
3. FIBER PREPARATION

1. Slide the strain-relief boot onto the fiber/cable. For LC connectors also slide the trigger on.
2. Mark, strip, and clean the fiber. Some fibers have a clear coating over the glass that is difficult to see.
 - Strip and clean to the 40 mm mark. For 900 micron fiber Fan-out Applications, strip only the 900 micron tubing to the 44 mm mark.

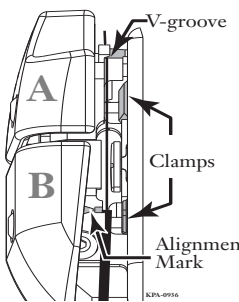


4. FIBER CLEAVING

- 1. Ensure the clamps are clean.
- 2. Squeeze both buttons and load the fiber so the:
 - a. Fiber is in the V-groove.
 - b. Coating/buffer is inline with the alignment mark.
 - c. Fiber rests under the tab.

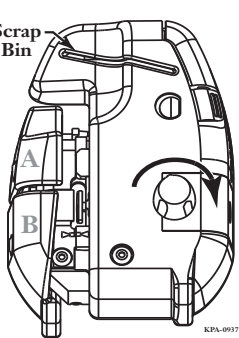


- 3. Fully release Button B, then A. Ensure the fiber is held by both clamps.



- 4. Slowly turn the knob 360 degrees, in either direction.
- 5. Squeeze Button A and remove the scrap fiber and place in scrap bin.
- 6. While holding onto the fiber, squeeze Button B and remove the cleaved fiber.
- 7. Once the fiber is cleaved, do not clean the fiber or allow it to contact anything.

NOTE: If the cleaved fiber does contact something, repeat fiber preparation and re-cleave the fiber.

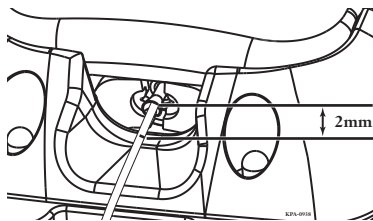


NOTE: If using the FBC-001 Cleaver, refer to SRP 006-150 for operating instructions.

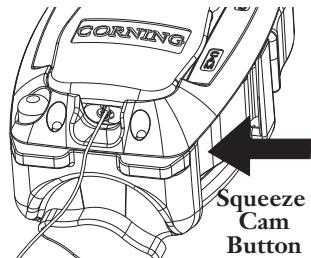
5. CONNECTOR FIBER TERMINATION

PRETIUM™ TOOL

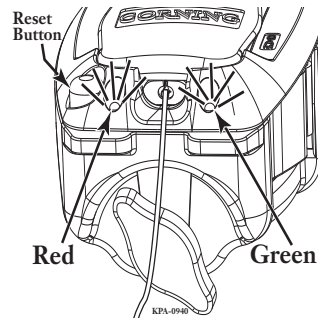
- 1. Insert the fiber into the lead-in tube. The visual mark must be within 2 mm of the lead-in tube.



- 2. While maintaining inward pressure on the fiber, press the cam button.

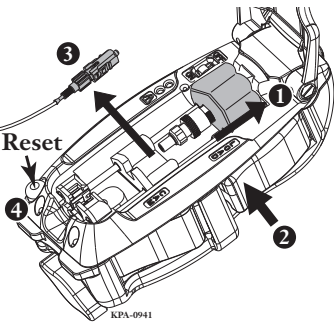


- 3. Check the termination light.
 - a. If the green light illuminates, proceed to step 4. DO NOT PRESS THE RESET BUTTON UNTIL CONNECTOR IS REMOVED.
 - b. If the red light illuminates, press the Reset Button, remove the fiber, and repeat steps 1 and 2. If red light still illuminates, refer to SRP 006-369, Chapter 7.



- 4. Rotate the crimp knob 180 degrees.

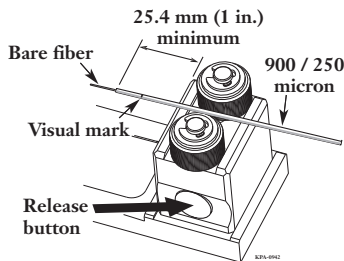
- 5. Open the lid, slide the VFL Coupler back, and slightly squeeze the LOAD button to remove the connector.
- 6. Press the Reset Button to prepare the tool for the next termination.
- 7. If another connector will not be installed, switch the power OFF and close the cover.



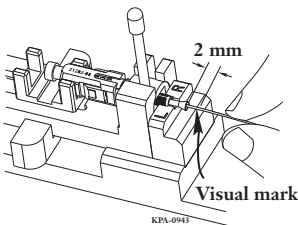
NOTE: The green light ensures proper termination of the connector. However, it is not a substitute for system testing.

STANDARD TOOL

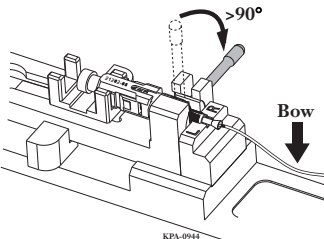
- 1. Press the roller release button and load the coated fiber between the rollers.



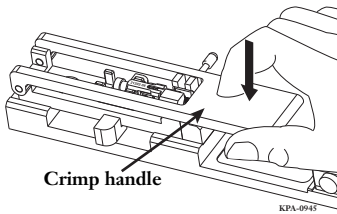
- 2. Insert the fiber into the lead-in tube. The visual mark must be within 2mm of the lead-in tube.



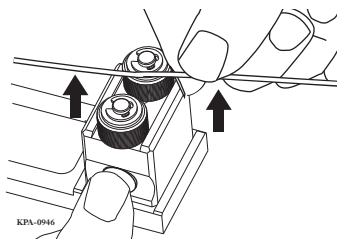
- 3. Apply inward pressure on the fiber to form a slight bow. Rotate the wrench handle down 90 degrees to cam the connector. Do not rotate wrench back up.



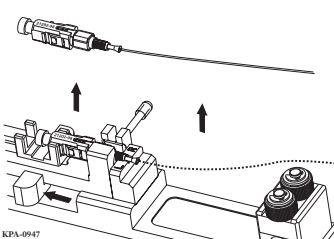
- 4. Rotate the crimp handle 180 degrees until it contacts the lead-in tube. Push the handle down firmly and lift it back up.



- 5. Press the release buttons and lift straight up on the fiber.



- 6. Move the slider handle back and lift out the connector.

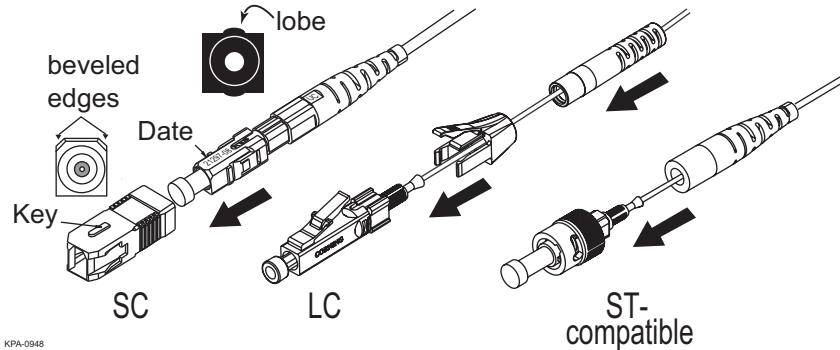


6. FINISHED ASSEMBLY

Depending on the connector type, add the appropriate hardware, additional strain-relief, and connector boots.

- SC: Slide boot onto connector; then insert the connector into housing with the housing “key” and connector “date code” aligned.
- LC: Remove the black load adapter before first installing the trigger; then slide the boot onto connector.
- ST-compatible: Slide boot onto connector; remove the black load adapter.

Replace clear dust cap onto ferrule if not immediately installing the connector into an adapter sleeve.



LASER SAFETY

The Pretium UniCam Installation tool conforms to the requirements contained in IEC 60825-1:1993 plus Amendments 1:1997 and 2:2001. $P_{max} < 1.0 \text{ mW}$, $\lambda=635\text{nm}$

LASER LIGHT

DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS (MAGNIFIERS).
CLASS 1M LASER PRODUCT

WARNING: Viewing the laser output with certain optical instruments (for example, eye loupes, magnifiers and microscopes) within a distance of 100mm may pose an eye hazard.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.