

The cleaver in this Cleerline termination kit **comes pre-adjusted** to cleave the SSF™ Stronger, Safer, and Faster Cleerline fiber optic glass and its integral polymeric coating. Cleerline fibers are significantly more durable than and have 10,000x the bend of standard fiber, so adjustment is necessary to allow this cleaver and other industry standard cleavers to successfully cleave SSF™ fibers.

This adjustment, called a “Blade Height Adjustment” involves raising the blade/wheel in the cleaver up very slightly so it can “score” the outer covering of the glass fiber correctly while the fiber is tensioned across two pads. This provides a clean “break” of the glass fiber and allows maximum signal transfer. The adjustment is detailed in the instructions included with your cleaver. Wheel height is raised in very fine increments until a successful cleave is achieved. If for any reason an adjustment is necessary in the field, please refer to the included instructional, also available at cleerlinefiber.com. The wheel height adjustment takes 5 to 10 minutes to perform.

Your new cleaver has been factory-adjusted and verified by microscope to ensure successful 90-degree end face cleaves prior to shipping.

Frequently Asked Questions:

In which “slot” do I position the fiber?

A: The cleaver is configured to accept 250um, 900um, 2mm, and 3mm jacketed fibers. Since you will typically be working with 250um (diameter of acrylate soft peel colored coating), you may use either slot depending on how the jacketed fiber can be positioned on the tray. Use the slot that allows you to position the fiber most effectively: laid straight/at a 90-degree angle with the cleaver wheel. Typically slots can accommodate all fiber types. Positioning is important in obtaining quality cleaves/end faces on the fiber optic cable you are working with.

How do I prep the fiber?

A: Make sure to remove all of the soft peel coating from the determined point on the optical cable to the end per your connector instructional’s cleave measurement. Ensure the soft peel is completely removed by running your fingers on all sides of the glass. If desired a fiber wipe may be utilized. However, it is not necessary as the optical glass is coated/protected. Never attempt to cleave the fiber with the soft peel coating still on the glass, as this will “dirty” the cleaving wheel. If this occurs, clean with a cotton swab soaked in alcohol.

My cleaver is not working/will not cleave the glass fiber – solution?

A: After positioning the fiber, use your thumb to push the cleaver slide lever (located lower right on the cleaver). Sometimes doing this too slowly will cause the fiber to not cleave. Give the slide lever a good push. You are not trying to “snap it;” just use a steady push. With just a bit of practice, the fiber should successfully cleave. Also make sure you are closing the “lid/handle” of the cleaver completely. The fiber additionally needs to extend out the right side, being placed over both black pads and placed over the trash collector so that once cleaved, the waste glass can be caught in the small trash bin.

For more information on terminating your fiber and the use of this equipment, visit cleerlinefiber.com or contact us at 866.469.2487

Watch Fiber Termination and other instructional videos on the Cleerline SSF™ Youtube Channel



Cleerline SSF™ Blade Height Adjustment

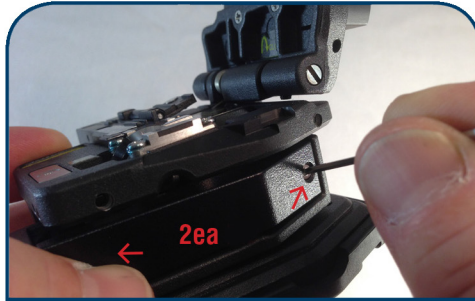
SSF™ Supplied Models

This instructional supplements the instruction manual for the cleaver - wheel height adjustment procedure.* Cleerline SSF™ fiber with its patented Integral Polymer coating is stronger and more bend insensitive than typical glass fibers.

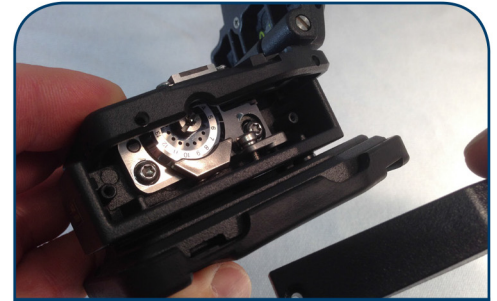
*If purchased from Cleerline your cleaver comes factory adjusted to cleave SSF™ fiber. Images show VF-15H but are applicable to all model types. If fiber does not cleave, ensure that all fiber preparation steps have been followed prior to adjustment.



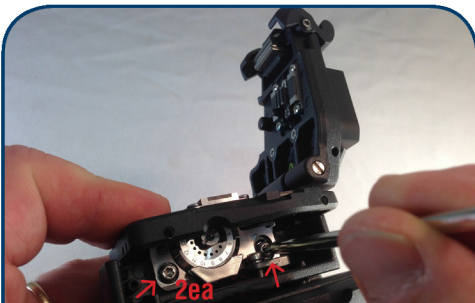
1. Using the Allen wrench included with the cleaver, on the top right side remove the screw that secures the fiber scrap box. Set the scrap box aside. ***Varies by model.**



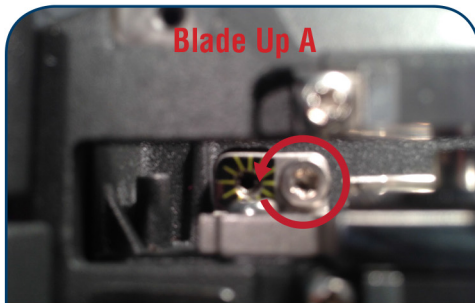
2. Using the Allen wrench remove the two screws that secure the guide cover. ***Not all models.**



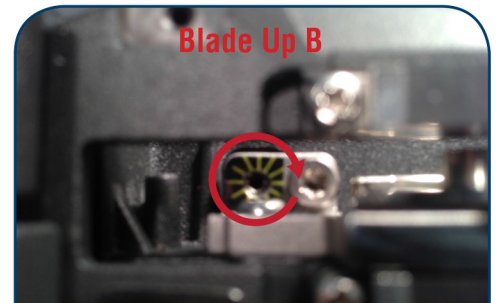
3. Set the guide cover aside. ***Not all models.**



4. Loosen the guide screws with the supplied wrench. Only approx. one turn is required, do not loosen completely.



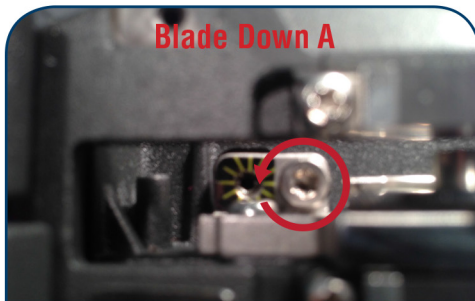
A. Loosen the hex screw located behind the blade looking down on the unit, counter clockwise one full turn. ***Located in front on some models.**



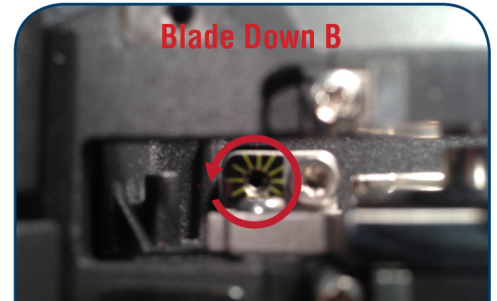
B. Turn the Allen screw clockwise 2 positions or 1/8 turn. Tighten the previously loosened hex screw and the two side guide screws clockwise until snug.



5. Attempt to cleave SSF™ fiber. If the fiber does not successfully cleave repeat Blade UP steps A & B to increase blade height until a successful cleave is achieved, reassemble.



A. Loosen the hex screw located behind the blade looking down on the unit, counter clockwise one full turn. ***Located in front on some models.**



B. Turn the Allen screw counter clockwise 2 positions or 1/8 turn. Rotate the previously loosened hex screw and the two side guide screws clockwise until snug.

If your cleaver is not successfully cleaving SSF™ fiber perform the Blade UP steps listed above. To adjust your cleaver to cleave standard fiber for the purpose of fusion splicing, perform the Blade DOWN adjustments listed above until the cleaver no longer cleaves standard fiber, followed by the Blade UP adjustment until a successful cleave is achieved.