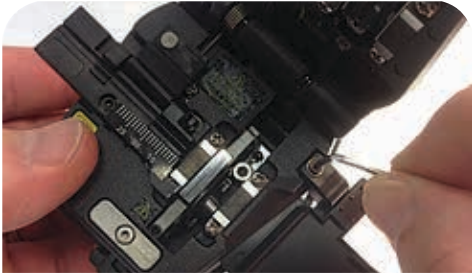
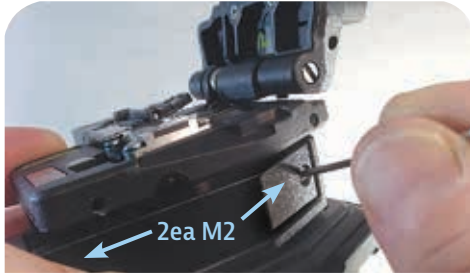


# INNO VF-78 CLEAVER WHEEL HEIGHT ADJUSTMENT PROCEDURE

This instructional supplements the instruction manual for the INNO VF-78 series cleaver – wheel height adjustment procedure. Cleerline NSF fiber with its patented integral 3M Polymer coating is stronger and more bend insensitive than typical glass fibers. In order to cleave NSF your VF-78 cleaver requires a wheel height adjustment.\*



1. Using the M2 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.



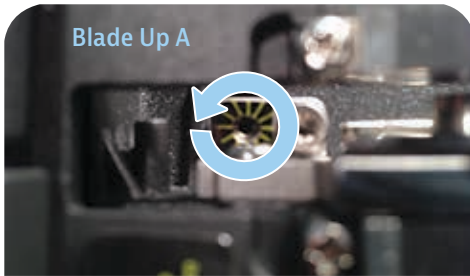
2. Using the M2 Allen wrench remove the two screws that secure the guide cover.



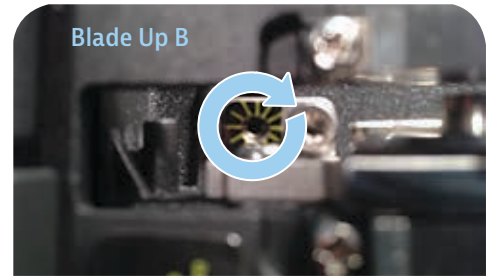
3. Set the guide cover aside.



4. Loosen the two T10 guide screws with the supplied wrench. Approximately one turn is required. Do not loosen completely.



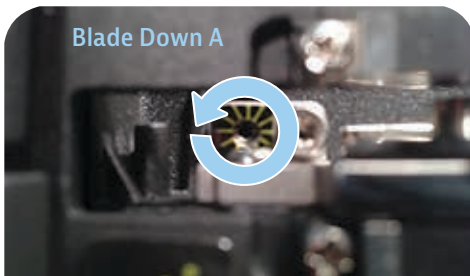
A. Loosen the T10 hex screw located behind the blade; looking down on the unit, turn counter clockwise one full turn.



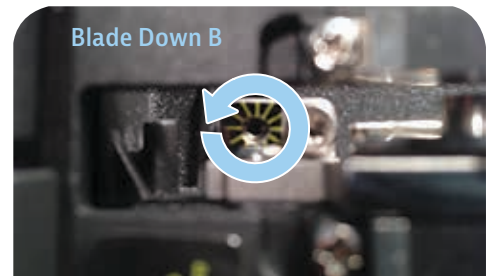
B. Turn the M2 Allen screw clockwise two positions. Tighten the previously loosened T10 hex screw and the two T10 side guide screws clockwise until snug.



5. Attempt to cleave NSF 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 T10 hex screw located behind the blade; looking down on the unit, turn counter clockwise one full turn.



B. Turn the M2 Allen screw counter clockwise two positions. Rotate the previously loosened T10 hex screw and the two T10 side guide screws clockwise until snug.

## IMPORTANT NOTES REGARDING THE INNO CLEAVER INCLUDED IN THIS TERMINATION KIT

- The included Inno VF-78 cleaver in this Cleerline termination kit comes pre-adjusted to cleave the stronger Cleerline fiber optic glass with its integral 3M polymeric coating. Cleerline fibers are significantly more durable and have 10,000X the bend of standard fiber so this adjustment is necessary to allow the Inno and other cleavers to successfully cleave the Cleerline fiber.
- This adjustment, called a "Wheel Height Adjustment" involves raising the wheel in the cleaver slightly so it can "score" the outer edge of the glass fiber correctly while the fiber is tensioned across two pads, providing a clean "break" of the glass fiber allowing for maximum signal transfer. This adjustment is detailed in the instructions that come with

your cleaver. The wheel height is raised just until it cleaves the stronger Cleerline fiber. If you need to use your cleaver at any point to cleave standard glass fibers the wheel height should be adjusted down. Please refer to your instructions. It is a 5 to 10 minute process to do so.

- Your cleaver has been factory verified in that it was microscopically checked for successful 90-degree end face cleaves.

### FAQ

#### Which "slot" do I position the fiber in?

A: The Inno cleaver is set up to accept 250um, 900um, 2mm, and 3mm jacketed fibers. Since you will typically be working with a 250um (diameter of the glass and the soft peel

coating, you may use either depending on how the jacketed fiber can be positioned on the tray. Use the tray that allows the fiber to lie in, being most effective at having the fiber laid straight/at a 90-degree angle with the cleaver wheel. This 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 and remove all of the soft peel coating from the determined spot on the optical cable to the end. Make sure it is completely removed by running your fingers or if desired a fiber wipe (not necessary as the optical glass is polymer coated). Never attempt to cleave the fiber with the soft peel coating still on the glass, as this will "dirty" the wheel.

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

A: After positioning the fiber use your thumb to push the slide lever. 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 but with just a bit of trial and error the fiber should cleave. Also make sure you are closing the "lid" on the cleaver completely. The fiber also needs to extend out so the once cleaved, the waste glass will be caught in the small trash bin.

*\*If purchased from Cleerline your INNO VF-78 comes factory adjusted to cleave NSF fiber.*

If your cleaver is not successfully cleaving NSF fiber, perform the Blade UP steps listed above. To adjust your cleaver to cleave standard fiber, 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.

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