

FiberFin[®] 4 Owner's Manual insert Face Plates, Bare Fiber collet

This bare fiber faceplate will allow you to finish a variety of plastic fiber optic cable, bare plastic fiber and light pipes

- Remove the existing face plate by unscrewing the two torx flat head screws
- Adjusting the connector clamping pressure upward or the least amount of pressure by loosening the eccentric nut by holding the brass nut and turning the flat head torx screw

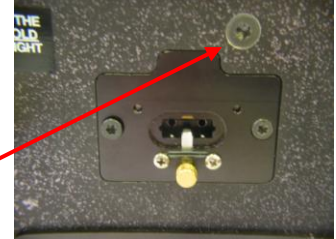


Figure 4-1

- Install the face plate and tighten the (2 Screws)
- Install the proper size collet and finger tighten the knurled screw, note where the flat on the collet should be on the bottom for the screw to set.

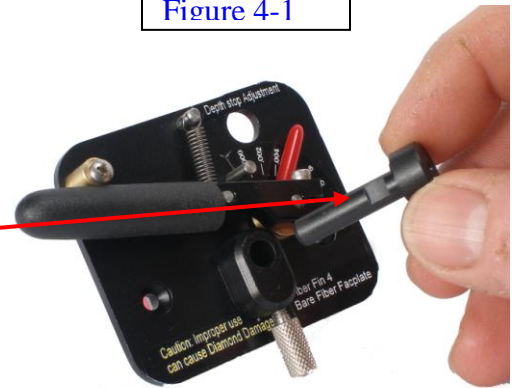
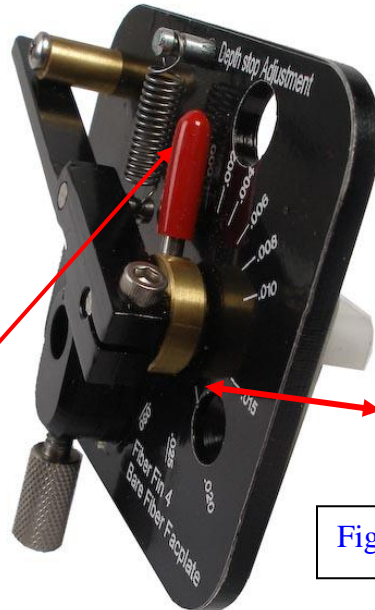


Figure 4-3

Figure 4-3



.030 adjustable travel

Figure 4-2

The adjusting screw (Red colored knob) adjusts the depth of the fiber stop as shown on this side view.

Note: you may set this at any depth but the travel is .030



Figure 4-4

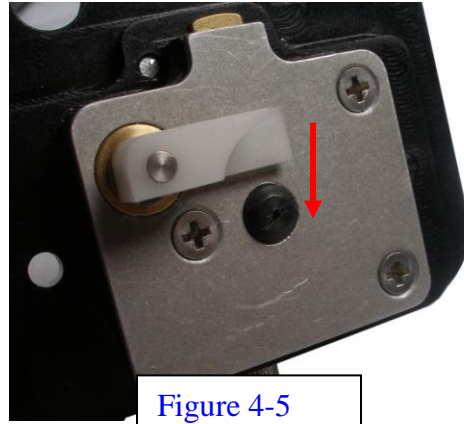


Figure 4-5

- In figure 4-4 you can see how you adjust the depth of your stop and your stop is brought into use by pulling down on the lever,
- In figure 4-5 you can see how the depth stop is brought in use as it comes in front of the collet by pulling down on the lever and stops the incoming fiber.
- The depth stop should only be used only when you have the machine off or when **the machine is not in a cycle cutting operation.**

Note: In no way should you pull down the lever when the machine is on and the cycle cutting motion is activated as this will cause the rotating diamond to hit the NYLON stop which MIGHT cause damage to the diamond and the BREACKAGE of the stop.

- Note: This Stop is replaceable , **PART# FF-FF4FPBF-STP**
- With the **machine OFF**, tighten the eccentric nut by holding the brass nut and turning the flat head torx screw on the front until there is adequate force to hold your fiber
- **Note:** this is tested by trying to pull out the fiber when clamping force is applied (cycle start lever, machine OFF) you should not be able to easily pull out the fiber.
- This setting changes with the type of cable and fiber that is being machined.
- By turning the brass nut you can adjust the pressure you apply on the collet
- Note: if you have **too much clamping Pressure** you will deform the jacket and push out the fiber like a piston. **Too little clamping Pressure** you will chip the exiting edge of the fiber or too little force may results in chatter and possible fiber breakage.
- Turn on the machine and install a test fiber/cable
- Cycle the machine over and over again and slowly turning the adjusting screw clockwise until the fiber/collet is machined
- Check your results and adjust clamping Pressure accordingly and you should get very favorable results

For service call: FiberFin technical department
 630-553-6924 ext 113 8-5pm CST
Email: technical questions or comments to: Sevice@fiberfin.com