

Application Note

FUSEConnect® MPO Heater Attachment Tool

This Application Note will cover the set up and best practices for the heater attachment included with each FUSEConnect MPO with heat shrink pack.

AFL NO	DESCRIPTION
FUSE-HT-TL	FUSEConnect MPO, Heater Attachment Tool (70R, 70R+, 90R)

Heater Attachment

Each FUSEConnect MPO with heat shrink pack will come with a beige heater attachment (Figure 1). The purpose of this attachment is to aid in properly heating the heat sleeve when assembling the FUSEConnect MPO and protect the bare fibers and ferrule unit from direct heat and twisting. The heater attachment is compatible with Fujikura ribbon splicer models 70R, 70R+, and 90R.



Figure 1. Heater Attachment

Orientation and Fit

If the heater is not open, press the heat button on the splicer to open the heater. Orient the heater attachment to where you can read "CAUTION HOT" (Figure 2).



Figure 2. Orientation

Place the attachment straight down into the heater holding the outside handles (Figure 3).



Figure 3. Holding the Outside Handles

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To ensure it is fully inserted, check that it does not rattle or move to the left and right. The 90R should fit within the corners shown in Figure 4. The 70R and 70R+ should fit within the tabs shown in Figure 5.



Figure 4. 90R Fit



Figure 5. 70R/70R+ Fit

Inserting Ferrule Unit and Fiber Assembly

Ensure the heat sleeve is touching the ferrule unit. While keeping tension on the fiber and ferrule unit, turn the assembly 90° so that the widest part of the heat sleeve is facing you (Figure 6).

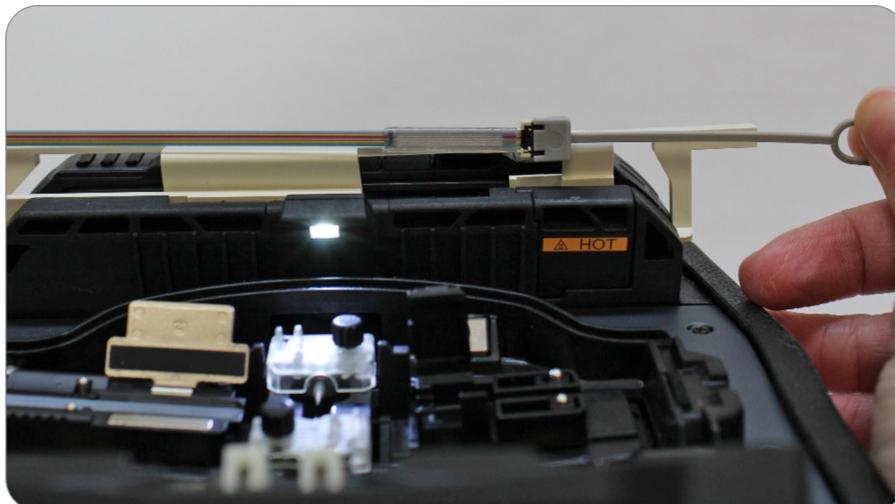


Figure 6. Turn Assembly 90 degrees

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Set the assembly into the heater with the ribbon going into the slit on the left side and the ferrule unit going in the square recess on the right side (Figures 7-9).



Figure 7. Ribbon Placement

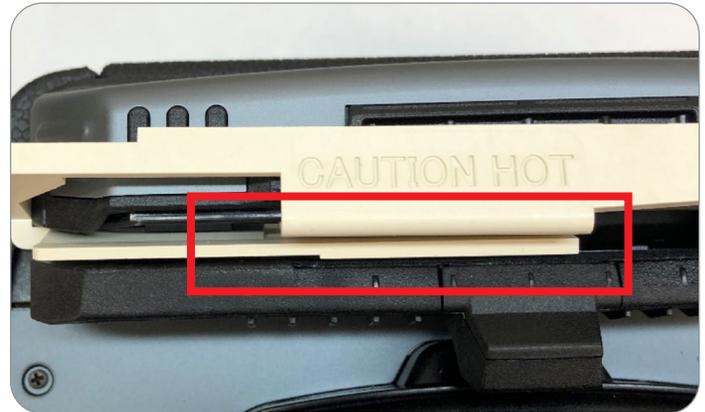


Figure 8. Heater Attachment Slit



Figure 9. Heater Attachment Square Recess

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While keeping tension on the fiber in the left hand, press the heat button and release the left hand after confirming that the heating has started. **NOTE:** the heater cover will not close when using the heater attachment. The heat sleeve will still heat appropriately.

When heating is complete, grip the fiber and the dust cap and lift assembly straight out. It is important to remember the part of the heater attachment that was touching the heater is extremely hot. Remove the heater attachment holding the outer handles (Figure 10). **NOTE:** the heater attachment is rated for 10 uses/heat cycles.



Figure 10. Lift heater out by handles