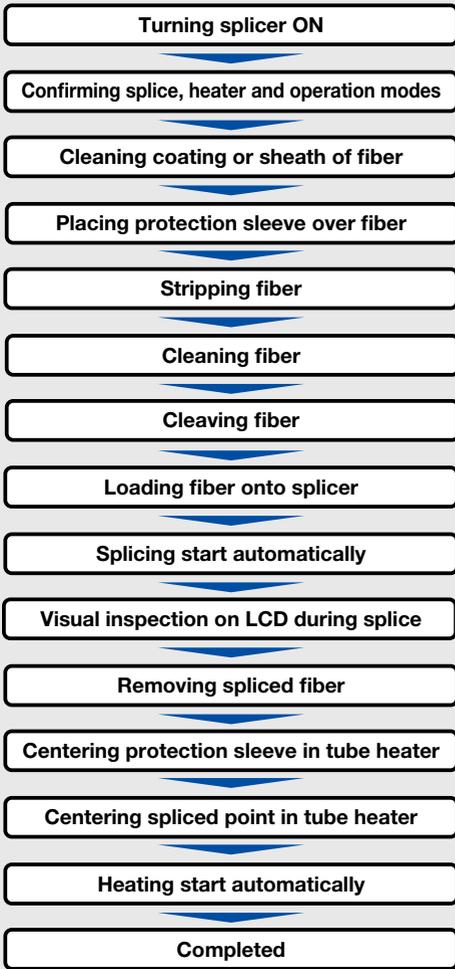
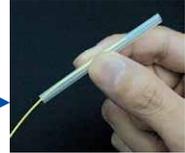


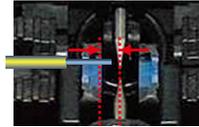
## Splice Operation



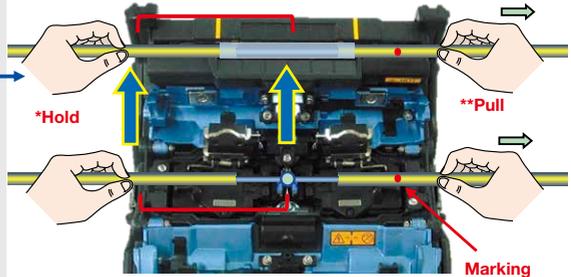
- When splicing only standard SM fibers (ITU-T G.652), "SM AUTO" mode is recommended.
- When splicing different types of fibers, "AUTO" mode is recommended, but splice speed is slow.
- Splicing speed of "SM FAST" mode is fast, but periodical Arc calibration is required.



- Make sure the stripped fiber is free of coating debris or contamination.
- Use only 99% or better purity alcohol.



- Do not allow the cleaved fiber ends to touch anything or become contaminated.
- Place the fiber end between V-groove edge and Electrode center.

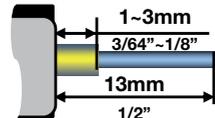
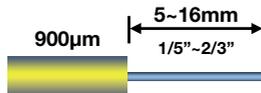
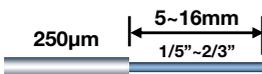


- \* Hold the fiber at edge of splicer body.
- \*\* Apply tension to the fiber until heater holds the fiber.

### Note

- When splicer indicates following message, splice loss may be high  
"Arc discharge is not stable. Electrodes should be stabilized to reform the arc discharge."
- Load prepared SM fibers onto splicer in order to stabilize electrodes. After completing it, re-splice fibers.
- When an altitude changes drastically, stabilizing electrodes must be executed before splicing.

### Cleave Length



## How to use Keypad

<b>ON/OFF Key</b> • Power ON/OFF	<b>X/Y Key</b> • Switch X/Y images	<b>SET Key</b> • Execute Splice	<b>ESCAPE Key</b> • Return to previous screen
<b>Open/Close Key</b> • Operation of a Wind Protector	<b>ARC Key</b> • Arc	<b>HEAT Key</b> • Heat Cancel • Operation of a lid	<b>MENU Key</b> • Open Main Menu • Go to next page
	<b>RESET Key</b> • Stop and back to Ready	<b>UP/DOWN Key</b> • Move cursor • Change value	<b>ENTER Key</b> • Enter of value

➤ **Turning ON**  
 Press  key until **green** LED turns on.

➤ **Turning OFF**  
 Press  key until **red** LED turns on.

## Power Supply

### AC Adapter



DC Input AC Input

#### AC operation

- Input power : AC100-240V, 50-60Hz
- Use only supplied AC power cord.
- Connect to ground with ground terminal of AC power cord.
- When using a AC power generator, check output voltage periodically with a circuit tester.

#### DC operation

- Input power : DC12V
- Use only supplied DC power cord.

### Battery Pack

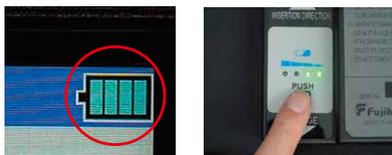
#### How to recharge Battery Pack



Recharge by DC is also possible

- ◆ Connect AC adapter (ADC-18) and battery pack (BTR-09) with battery recharge cord (DCC-18).
- ◆ Do not stack battery pack on top of AC adapter while recharging.
- ◆ Recharging temperature : 0 ~ 40°C (32 ~ 104°F)

#### How to check remaining capacity



**Note**

Confirm power saving function is working when using battery pack

## Cleaning before Splice Operation

### V-grooves



- Clean bottom of V-groove with a thin cotton swab moistened with alcohol.
- Remove excess alcohol from V-grooves with a clean dry swab.
- Use a cleaved fiber end-face to dislodge.

Caution of cleaning

- Do not contact the electrode tips.
- Use only 99% or better purity of alcohol.

### Fiber Clamp Chips



### Objective Lens



When lens is dirty, clean it.

### Fiber Cleaver

- Clean rubber pads.
- Clean rubber anvil.
- Clean blade.



## Replace Electrodes

### Electrodes

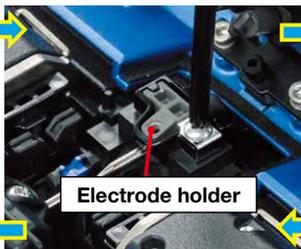
- When “Replace electrodes” message appears, or when the tip is damaged, replace electrodes.
- Execute [Replace Electrodes] in Maintenance Menu.
- Exchange for a new electrode the old electrode currently attached to equipment.  
Use attached screw driver (SD-01).

Remove the electrode cover



Place the electrode cover

Loosen screws



Tighten screws

Remove the old electrode



Install new electrode

- Load prepared fibers onto the splicer.
- Execute [Stabilized Electrodes]
- [Arc Calibration] is executed.

## Ways of solution of an Error

Error Message	Reason	Solution
<b>Too Long Fiber</b>	<ul style="list-style-type: none"> <li>The fiber end-face is placed on the electrode centerline, or beyond it.</li> <li>The cleave length (bare fiber part) is too long</li> <li>Dust or dirt is on the objective lens.</li> </ul>	<ul style="list-style-type: none"> <li>Press <b>[RESET]</b>, and set the fiber end-face between the electrode centerline and the V-groove edge.</li> <li>Confirm the setting position of the stripped fiber end on the fiber cleaver. Check the cleave length.</li> <li>Execute the <b>[Dust Check]</b>. Clean the lens when dust or dirt exists.</li> </ul>
<b>Too Dusty Fiber</b>	<ul style="list-style-type: none"> <li>Dust or dirt is on the fiber surface.</li> <li>Dust or dirt is on the objective lens.</li> <li><b>[Cleaning Arc]</b> time is too short or <b>"OFF."</b></li> <li>Splicing indistinct core fibers with the SM or DS modes.</li> <li><b>[Align]</b> is set to <b>"Core"</b> to splice indistinct core fibers when using other splice modes.</li> <li><b>[Focus]</b> is incorrectly set when using other splice modes. The fiber end-face is placed on the electrode centerline, or beyond it.</li> </ul>	<ul style="list-style-type: none"> <li>Completely prepare the fiber again (strip, clean and cleave).</li> <li>Execute the <b>[Dust Check]</b>. Clean the lens if dust or dirt exists.</li> <li>Set the <b>[Cleaning Arc]</b> time to <b>"150ms."</b> When splicing carbon coated fibers, set to <b>"200ms."</b></li> <li>Use the MM mode to splice indistinct core fibers (i.e. MM fiber).</li> <li>Set <b>[Align]</b> to <b>"Clad"</b> to splice indistinct core fibers (i.e. MM fiber).</li> <li>Set <b>[Focus]</b> to <b>"Edge"</b> to splice indistinct core fibers (i.e. MM fiber). To splice distinct core fibers, <b>"Auto"</b> or the correct focus value should be entered.</li> </ul>
<b>ZL/ZR Motor Overrun</b>	<ul style="list-style-type: none"> <li>The fiber is set too far back and does not reach the splice point.</li> <li>The fiber is not set correctly at the bottom of the V-groove. The fiber is not located in the Camera's field of view.</li> <li>The cleave length (bare fiber part) is too short.</li> </ul>	<ul style="list-style-type: none"> <li>Press <b>[RESET]</b>, re-position the fiber again with the end-face closer to the electrodes.</li> <li>Press <b>[RESET]</b>, and set the fiber again to seat it correctly at the bottom of the V-groove.</li> <li>Confirm the setting position of the stripped fiber end on the fiber cleaver. Check the cleave length.</li> </ul>
<b>Large Cleave Angle</b>	<ul style="list-style-type: none"> <li>Bad fiber end-face.</li> <li><b>[Cleave Limit]</b> is set too low</li> </ul>	<ul style="list-style-type: none"> <li>Check the condition of the fiber cleaver. If the blade is worn, rotate the blade to a new position.</li> <li>Increase the <b>[Cleave Limit]</b> to an adequate limit.</li> </ul>
<b>Cleave Shape NG</b>	<ul style="list-style-type: none"> <li>Bad fiber end-face.</li> </ul>	<ul style="list-style-type: none"> <li>Check the condition of the fiber cleaver. If the blade is worn, rotate the blade to a new position.</li> </ul>

**BEST QUALITY SERVICE**  
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