Splicing Operation

- Turning splicer ON
- Confirming splice and heater modes
- Cleaning coating or sheath of fiber
- Placing protection sleeve over fiber
- Stripping fiber
- Cleaning fiber
- Cleaving fiber
- Loading fiber onto splicer
- Closing wind protector and Press SET
- Visual inspection on LCD during splice
- Removing spliced fiber
- Centering protection sleeve in tube heater
- Centering spliced point in tube heater
- Closing tube heater lid and Press HEAT
- Completed

When splicing only standard SM fibers, “SM AUTO” mode is recommended. Heating Mode has been the optimal conditions for the sleeve made from FUJIKURA.

When LED lights up green, a holder base portion is made to slide slowly.

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.

Adjusting the position of the fiber coating edge to holder edge

Marking position

*Hold the fiber at edge of splicer body
**Gently pull the fiber
Sheet Key Operation

- **ON/OFF key**
  - Power ON/OFF
  - Turning ON
    - Press key until green LED turns on.
  - Turning OFF
    - Press key until red LED turns on. Then, release key to turn off.

- **SET key**
  - Execute Splice
  - To next page in the menu

- **UP/DOWN key**
  - Move cursor
  - Change value

- **HEAT key**
  - Heater ON/OFF

- **RESET key**
  - Stop and back to Ready

- **ENT key**
  - Open the Menu at the "READY" state.
  - Select the command and decide the parameter at the menu state

- **ESCAPE key**
  - Return to previous screen
  - How to operate

AC Adapter

**AC Operation**

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

Insert AC cord into the AC inlet of the AC adapter. The power ON LED of the AC adapter changes green color when suitable AC voltage is supplied. If high AC Voltage is supplied, AC adapter will immediately be damaged.

Battery Pack

- **How to recharge battery**
  - Charging an internal battery pack "BTR-10" is started where AC adapter "ADC-19" is connected to an Inlet.
  - Keep below practices to prevent battery damage. Fully charge the battery after every use. Follow bellow conditions.

  - Operation: -10 degree C to 50 degree C
  - Charging: 0 degree C to 40 degree C
  - Storage: -20 degree C to 50 degree C

- **How to check remaining capacity**
  - If splicer is already equipped with the battery, turn splicer ON. Power source of "Battery" is automatically identified and the remaining battery capacity is displayed on the "READY" screen.

  - Confirm power saving function is working when using battery pack.
Cleaning before Splice Operation

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

Note

1) Remove electrodes before cleaning objective lens cover.
2) Do not contact the electrode tips.
3) Use only 99% or better purity of alcohol.

Periodical Maintenance

Electrodes

- When “Replace electrodes” message appears, or when the tip is damaged, replace electrodes.
- Execute [Replace Electrodes]

- Exchange to new electrode.

- Load prepared fibers onto the splicer.
- Execute [Stabilized Electrodes]
- [Arc Calibration] is executed.
## Visible Splice Defects and Error Message

<table>
<thead>
<tr>
<th>Error Message</th>
<th>Reason</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Too Long Fiber</td>
<td>• The Cleave length (bare fiber part) is too long.</td>
<td>• Cleave by forcing a holder tip of fiber cutting, and pressing to a position.</td>
</tr>
<tr>
<td></td>
<td>• Dust or dirt is on the objective lens cover.</td>
<td>• Execute the [Dust Check]. Clean the lens cover when dust or dirt exists.</td>
</tr>
<tr>
<td>Too Dusty Fiber</td>
<td>• Dust or dirt is on the fiber surface.</td>
<td>• Prepare the fiber again.</td>
</tr>
<tr>
<td></td>
<td>• Dust or dirt is on the objective lens cover.</td>
<td>• Execute the [Dust Check]. Clean the lens cover when dust or dirt exists.</td>
</tr>
<tr>
<td></td>
<td>[Cleaning Arc] time is too short or “OFF”.</td>
<td>• Set the [Cleaning Arc] time. When splicing carbon coated fibers, set to more time.</td>
</tr>
<tr>
<td>ZL/ZR Motor Overrun</td>
<td>• The fiber is correctly at the bottom of the V-groove.</td>
<td>• Press RESET, and set the fiber again to seat it correctly at the bottom of the V-groove.</td>
</tr>
<tr>
<td></td>
<td>• The Cleave length (bare fiber part) is too short.</td>
<td>• Cleave by forcing a holder tip of fiber cutting, and pressing to a position. Check the fiber length.</td>
</tr>
<tr>
<td>Large Cleave Angle</td>
<td>• Bad fiber end-face.</td>
<td>• Check the condition of the fiber cleaver. If the blade is worn, rotate the blade to a new position. Increase the [Cleave Limit] to an adequate Limit.</td>
</tr>
<tr>
<td></td>
<td>• [Cleave Limit] is set too low.</td>
<td></td>
</tr>
<tr>
<td>Cleave Shape NG</td>
<td>• Bad fiber end-face.</td>
<td>• Check the condition of the fiber cleaver. If the blade is worn, rotate the blade to a new position.</td>
</tr>
</tbody>
</table>