

### Sheet Key Operation

- ON/OFF key**
  - Power ON/OFF
- Turning ON**
  - Press **ENT** key until green LED turns on.
- Turning OFF**
  - Press **ENT** key until red LED turns on. Then, release **ENT** 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
- ESCAPE key**
  - Return to previous screen
  - How to operate
- ENT key**
  - Open the Menu at the "READY" state.
  - Select the command and decide the parameter at the menu state

### Power Supply

#### 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.**

**AC power cord**

#### Battery Pack

### How to recharge battery

When LED blink at the time of charge is early, degradation of a battery and failure can be considered. Charge is not performed. Exchange for New BTR-10.

- 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 below conditions.

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

### How to check remaining capacity

**Note**

- 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

**V-groove**

- 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**

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

**Fiber Clamp Chips**

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

**Objective Lenz Cover**

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

### Periodical Maintenance

#### Electrodes

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

**Maintenance Menu**

1. Turn the splicer Power OFF.
2. Replace the old electrodes.
3. Turn the splicer Power ON.

**Replace Electrodes**

1. Turn the splicer Power OFF.
2. Replace the old electrodes.
3. Turn the splicer Power ON.

- Exchange to new electrode.

**Remove the electrode cover**

**Loosen screws**

**Electrode holder**

**Remove the old electrode**

**Place the electrode cover**





**Tighten screws**

**Install new electrode**

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



Visible Splice Defects and Error Message

Bubble	Separation	Fat	Too Thin
			
Error Message	Reason	Solution	
Too Long Fiber	<ul style="list-style-type: none"> <li>The Cleave length (bare fiber part) is too long.</li> <li>Dust or dirt is on the objective lens cover.</li> </ul>	<ul style="list-style-type: none"> <li>Cleave by forcing a holder tip of fiber cutting, and pressing to a position.</li> <li>Execute the [Dust Check]. Clean the lens cover when dust or dirt exists.</li> </ul>	
Too Dusty Fiber	<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 cover.</li> <li>[Cleaning Arc] time is too short or "OFF".</li> </ul>	<ul style="list-style-type: none"> <li>Prepare the fiber again.</li> <li>Execute the [Dust Check]. Clean the lens cover when dust or dirt exists.</li> <li>Set the [Cleaning Arc] time. When splicing carbon coated fibers, set to more time</li> </ul>	
ZL/ZR Motor Overrun	<ul style="list-style-type: none"> <li>The fiber is correctly at the bottom of the V-groove.</li> <li>The Cleave length (bare fiber part) is too short.</li> </ul>	<ul style="list-style-type: none"> <li>Press RESET, and set the fiber again to seat it correctly at the bottom of the V-groove.</li> <li>Cleave by forcing a holder tip of fiber cutting, and pressing to a position. Check the fiber length.</li> </ul>	
Large Cleave Angle	<ul style="list-style-type: none"> <li>Bad fiber end-face.</li> <li>[Cleave Limit] 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 [Cleave Limit] to an adequate limit.</li> </ul>	
Cleave Shape NG	<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>	

Contact address

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Authorized Splicer Distributor	



Q-12S-E03

Splicing Operation

Turning splicer ON

Confirming splice and heater modes

Cleaning coating or sheath of fiber

Placing protection sleeve over fiber

Stripping and Cleaning of fiber

Loading fiber onto fiber holder

Cleaving fiber

Loading fiber onto splicer

Closing wind protector and Press **SET**

Visual inspection on LCD during splice

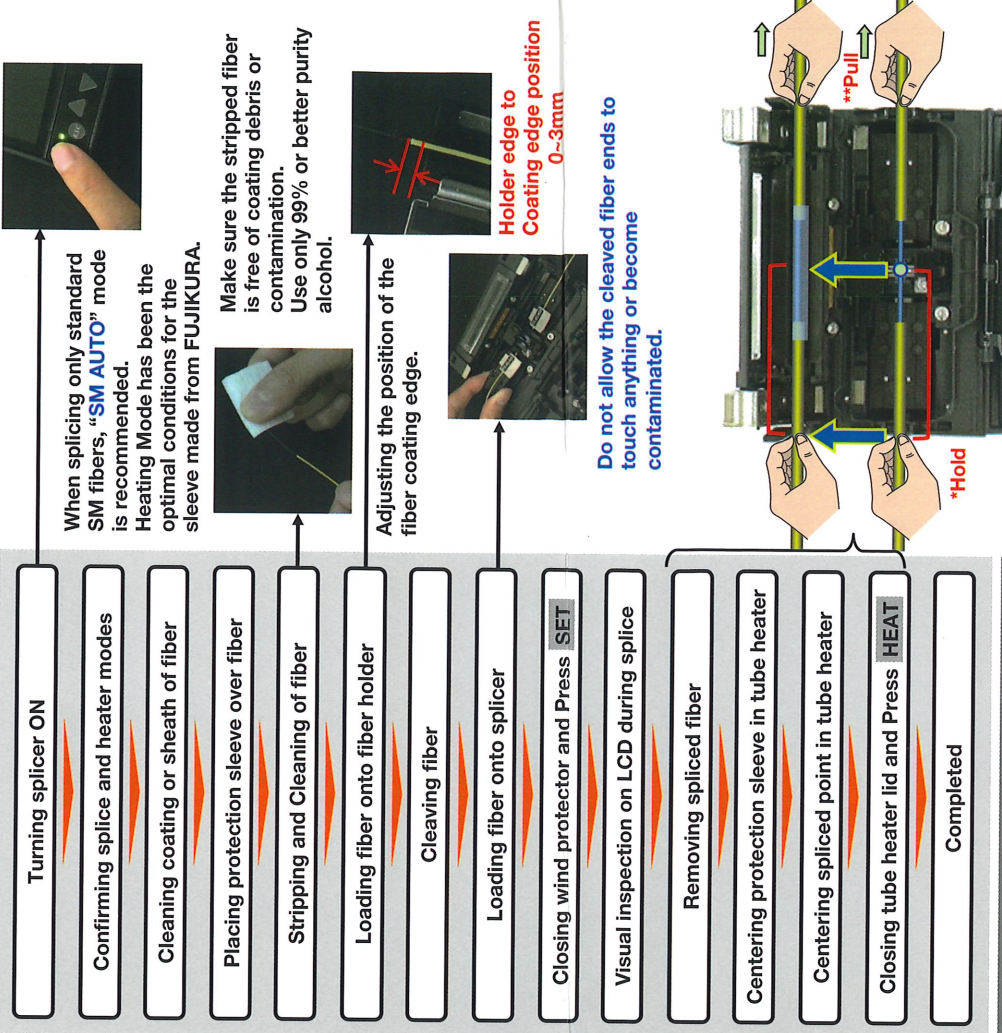
Removing spliced fiber

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

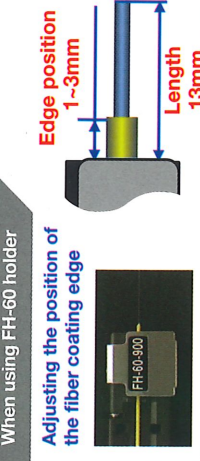
Adjusting the position of the fiber coating edge.

Holder edge to Coating edge position 0-3mm

Do not allow the cleaved fiber ends to touch anything or become contaminated.

\*Hold the fiber at edge of splicer body  
\*\*Gently pull the fiber

When using FH-60 holder



Adjusting the position of the fiber coating edge

