Splice Operation

- Turning splicer ON
- Confirming splice, heater and operation modes
- Cleaning coating or sheath of fiber
- Placing protection sleeve over fiber
- Stripping fiber
- Cleaning fiber
- Cleaving fiber
- Loading fiber onto splicer
- Splicing start automatically
- Visual inspection on LCD during splice
- Removing spliced fiber
- Centering protection sleeve in tube heater
- Centering spliced point in tube heater
- Heating start automatically
- Completed

- 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.

- Hold lid firmly
- Free of any gel residue
- Make sure the stripped fiber is free of coating debris or contamination.
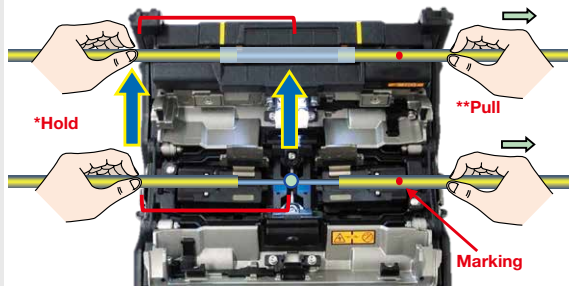- Use only 99% or better purity alcohol.

- Hold this point firmly

Placing Fiber Holder

- Do not reverse Fiber Holder when placing onto splicer. Set in the direction which sees from the sheet key side and can read the name of a holder.
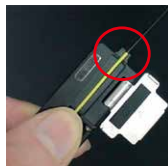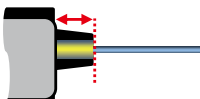

*Hold
**Pull
Marking

Note

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

- 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 completeing it, re-splice fibers.
- When an altitude changes drastically, stabilizing elctrodes must be executed before splicing.

When using single holder

Adjusting the position of the fiber coating edge to holder edge

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How to use Keypad

ON/OFF Key
• Power ON/OFF

X/Y Key
• Switch X/Y images

SET Key
• Execute Splice

ESCAPE Key
• Return to previous screen

Open/Close Key
• Operation of a Wind Protector

ARC Key
• Arc

HEAT Key
• Heat Cancel
• Operation of a lid

RESET Key
• Stop and back to Ready

MENU Key
• Open Main Menu
• Go to next page

UP/DOWN Key
• Move cursor
• Change value

ENTER Key
• Enter of value

LED

➢ **Turning ON**

 Press 🔘 **key until green LED turns on.**

➢ **Turning OFF**

 Press 🔘 **key until red LED turns on.**

Power Supply

AC Adapter

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

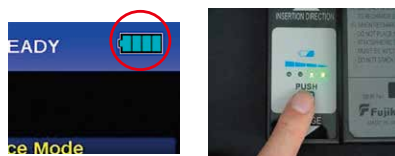• Input power : DC12V
• Use only supplied DC power cord.

DC Input   AC Input

Battery Pack

How to recharge Battery Pack

BTR-09

ADC-18

DCC-18

AC cord

Rechage 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.

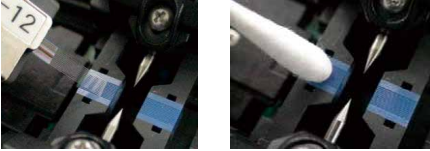♦ Recharging temperature : 0 ~ 40°C (32 ~ 104°F)

How to check remaining capacity

EADY

ce Mode

Note   **Confirm power saving function is working when using battery pack**

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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.
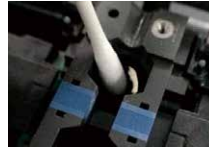- Use a cleaved fiber end-face to dislodge.

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.
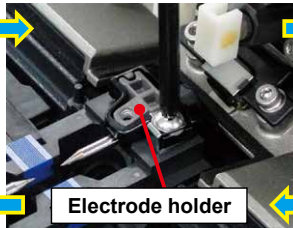

Replace Electrodes

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

Electrode holder

Tighten screws

Remove the old electrode

Install new electrode

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

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Solution of an Error

Error Message	Reason	Solution
Too Long Fiber	• The fiber end-face is placed on the electrode centerline, or beyond it. • The cleave length (bare fiber part) is too long • Dust or dirt is on the objective lens.	• Press RESET , and set the fiber end-face between the electrode centerline and the V-groove edge. • Confirm the setting position of the stripped fiber end on the fiber cleaver. Check the cleave length. • Execute the [Dust Check]. Clean the lens when dust or dirt exists.
Too Dusty Fiber	• Dust or dirt is on the fiber surface. • Dust or dirt is on the objective lens. • [Cleaning Arc] time is too short or "OFF."	• Completely prepare the fiber again (strip, clean and cleave). • Execute the [Dust Check]. Clean the lens if dust or dirt exists. • Set the [Cleaning Arc] time to "150ms." When splicing carbon coated fibers, set to "200ms."
ZL/ZR Motor Overrun	• The fiber is set too far back and does not reach the splice point. • 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. • The cleave length (bare fiber part) is too short.	• Press RESET , re-position the fiber again with the end-face closer to the electrodes. • Press RESET , and set the fiber again to seat it correctly at the bottom of the V-groove. • Confirm the setting position of the stripped fiber end on the fiber cleaver. Check the cleave length.
Large Cleave Angle	• Bad fiber end-face. • [Cleave Limit] is set too low	• 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.
Cleave Shape NG	• Bad fiber end-face.	• Check the condition of the fiber cleaver. If the blade is worn, rotate the blade to a new position.

Contact Address

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