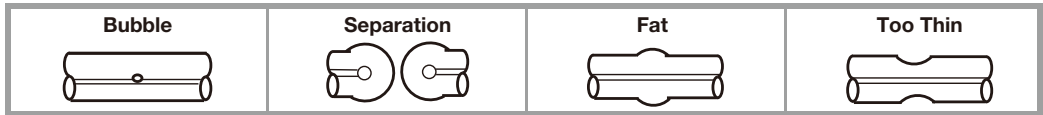


Visible Splice Defects and Error Message



Error Message	Reason	Solution
Too Long Fiber	<ul style="list-style-type: none"> The Cleave length (bare fiber part) is too long. Dust or dirt is on the objective lens cover. 	<ul style="list-style-type: none"> Cleave by forcing a holder tip of fiber cutting, and pressing to a position. Execute the [Dust Check]. Clean the lens cover when dust or dirt exists.
Too Dusty Fiber	<ul style="list-style-type: none"> Dust or dirt is on the fiber surface. Dust or dirt is on the objective lens cover. [Cleaning Arc] time is too short or "OFF". 	<ul style="list-style-type: none"> Prepare the fiber again. Execute the [Dust Check]. Clean the lens cover when dust or dirt exists. Set the [Cleaning Arc] time. When splicing carbon coated fibers, set to more time.
ZL/ZR Motor Overrun	<ul style="list-style-type: none"> The fiber is correctly at the bottom of the V-groove. The Cleave length (bare fiber part) is too short. 	<ul style="list-style-type: none"> Press RESET, and set the fiber again to seat it correctly at the bottom of the V-groove. Cleave by forcing a holder tip of fiber cutting, and pressing to a position. Check the fiber length.
Large Cleave Angle	<ul style="list-style-type: none"> Bad fiber end-face. [Cleave Limit] is set too low. 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Bad fiber end-face. 	<ul style="list-style-type: none"> 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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Fujikura (CHINA) Co., Ltd.	7 th Floor, Hang Seng Bank Tower 1000Lujiazui Ring Road, Pudong New Area ShanghaiZIP200120, China Phone : +86-21-6841-3636 Fax : +86-21-6841-2070 http://www.fujikura.com.cn
Fujikura Asia Ltd.	438A Alexandra Road,Block A Alexandra Technopark #08-03, Singapore 119967 Phone : +65-6278-8955 Fax : +65-6273-7705 http://www.fujikura.com.sg
Fujikura Europe Ltd.	C51 Barwell Business Park, Leatherhead Road, Chessington, Surrey KT9 2NY. UK. Phone : +44-20-8240-2000 Fax : +44-20-8240-2010 https://www.fujikura.co.uk
AFL	260 Parkway East, Duncan, SC 29334 USA Phone : +1-800-235-3423 Fax : +1-800-926-0007 https://www.AFLglobal.com
Authorized Splicer Distributor	



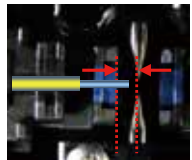
Splicing Operation

- 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

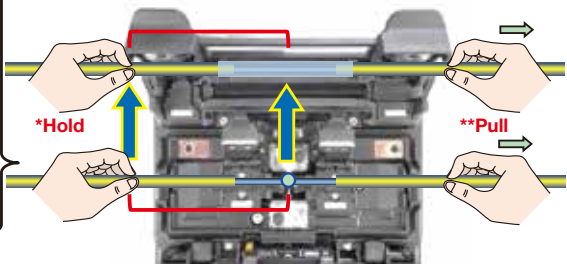
When splicing only standard SM fibers, "SM AUTO" mode is recommended. Heating Mode has been the optimal conditions for the sleeve made from FUJIKURA.



- 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.

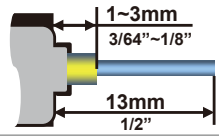
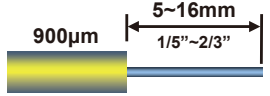
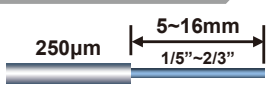


*Hold the fiber at edge of splicer body
 **Gently pull the fiber.

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



Sheet Key Operation

ON/OFF key
• Power ON/OFF

UP/DOWN key
• Move cursor
• Change value

HEAT key
• Heater ON/OFF

RESET key
• Stop and back to Ready

SET key
• Execute Splice
• To next page in the menu

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

➤ **Turning OFF**
Press key until **red** LED turns on.
Then, release key to turn off.

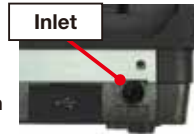
Power Supply

AC Adapter



AC Operation

- Input power : AC100-240V, 50-60Hz
- Use only supplied AC power cord.
- When using an 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

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-11.

- Charging an internal battery pack "BTR-11" is started where AC adapter "ADC-19A" 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 : -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.

Note

Confirm power saving function is working when using battery pack.

Cleaning before Splice Operation

V-groove

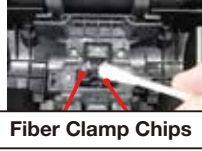


- Clean bottom of V-groove with a thin cotton swab with alcohol.
- Remove excess alcohol from V-grooves with a clean dry swab.
- Use a cleaved fiber end-face to dislodge.

Note

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

Fiber Clamp Chips



Fiber Cleaver

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

Objective Lenz

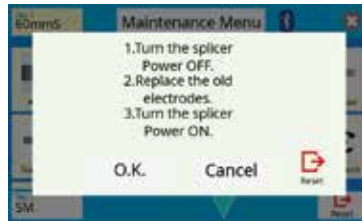


When lens is dirty, clean it.

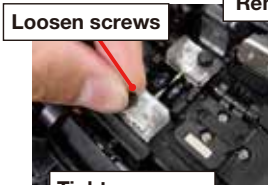
Periodical Maintenance

Electrodes

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



- Exchange to new electrode.



Remove the old electrode



Tighten screws

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