Error Message List

Press Enter when an error is shown on the monitor. The [HELP] screen displays the following:

  • If error does not have an error code, such as "Cleave Shape NG", the keystrokes are
    displayed with information explaining what each keystroke does if pressed.
  • If error has an error code, additional information according to the Error Code and
    Message is displayed.

Follow the solution precisely as shown in the list below. If it is not possible to eliminate the problem, the splicer may require service by a qualified service center. Consult the authorized distributor with the following information:

  • Model name of the splicer
  • Serial number of the splicer
  • Error message
  • Error code (if shown)
  • Situation when the error occurs

Error Message	Reason	Solution
L-Too Long Fiber	• The fiber end-face is placed on the electrode centerline, or beyond it.	• Press RESET, and set the fiber end-face between the electrode centerline and the V-groove edge.
R-Too Long Fiber	• The cleave length (bare fiber part) is too long.	• Confirm the setting position of the stripped fiber end on the fiber cleaver. Check the cleave length.
LR-Too LongFiber	• Dust or dirt is on the objective lens or the wind protector mirror.	• Execute the [Dust Check]. Clean the lens or the mirror when dust or dirt exists.
X-Dark BackGround	Dust or dirt is on the objective lens or the wind protector mirror.	Execute the [Dust Check]. Clean the lens or the mirror if dust or dirt exists.
Y-Dark BackGround		
X-Dark BackGround	The LED or Camera might be damaged.	Consult the authorized distributor.
Y-Dark BackGround		

Error Message	Reason	Solution
L-Too Dusty Fiber	• Dust or dirt is on the fiber surface.	•Completely prepare the fiber again (strip, clean and cleave).
	• Dust or dirt is on the objective lens or the wind protector mirror.	• Execute the [Dust Check]. Clean the lens or the mirror if dust or dirt exists.
	• [Cleaning Arc] time is too short or "OFF."	• Set the [Cleaning Arc] time to "150ms." When splicing carbon coated fibers, set to "200ms."
R-Too Dusty Fiber	• Splicing indistinct core fibers with the SM or DS modes.	• Use the MM mode to splice indistinct core fibers (i.e. MM fiber).
	• [Align] is set to "Core" to splice indistinct core fibers when using other splice modes.	• Set [Align] to "Clad" to splice indistinct core fibers (i.e. MM fiber).
	• [Focus] is incorrectly set when using other splice modes.	• Set [Focus] to "Edge" to splice indistinct core fibers (i.e. MM fiber). To splice distinct core fibers, "Auto" or the correct focus value should be entered.

Error Message List

Error Message	Reason	Solution
ZL Motor Overrun (Forward)	• 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 key, re-position the fiber again with the end-face closer to the electrodes. • Press RESET key, 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.
ZR Motor Overrun (Forward)		
ZL Motor Overrun (Backward)	The taper speed or taper time is set too high.	Adjust the taper parameters in the splice mode.
ZR Motor Overrun (Backward)	Only occurs in manual motor operation.	
X motor Overrun (Forward)	The fiber is not set correctly at the bottom of the V-groove. The fiber is offset too far and it exceeds the X or Y motor range.	Press RESET key and re-position the fiber again to seat it correctly at the bottom of the V-groove.
X motor Overrun (Backward)		
Y Motor Overrun (Forward)		
Y Motor Overrun (Backward)		

Error Message	Reason	Solution
Focus X Motor Overrun (Forward)	• The fiber is not set correctly at the bottom of the V-groove. The fiber position is out of focus range.	• Press RESET key, and re-position the fiber again to seat it correctly at the bottom of the V-groove.
Focus X Motor Overrun (Backward)	• Dust or dirt is on the fiber surface resulting in focus failure.	• Completely prepare the fiber again (strip, clean and cleave).
Focus Y Motor Overrun (Forward)		
Focus Y Motor Overrun (Backward)	• Dust or dirt is on the objective lens or the wind protector mirror.	• Execute the [Dust Check]. Clean the lens or mirror if dust or dirt exists.
Close Cover	Unable to start splicing when the wind protector opens.	The splicer automatically starts splicing after closing the wind protector.
Cover Open	The wind protector is opened during splicing operation.	Press RESET key after closing the wind protector.
ZL Motor Trouble	Motor might be damaged.	Consult the authorized distributor.
ZR Motor Trouble		
X-Motor Trouble		
Y-Motor Trouble		
Focus X Motor Trouble		
Focus Y Motor Trouble		

Error Message List

Error Message	Reason	Solution
Cannot detect fiber in AUTO mode	Dust or dirt is on the fiber surface.	Completely prepare the fiber again (strip, clean and cleave).
	The left and right fiber types are different.	Select the suitable splice mode. Pressing the SET key cancels the error and continues the splice operation.
	Splicing non-standard fibers.	The AUTO mode can identify standard SM, DS, MM and NZDS fiber only.
Strong Arc Power	Unable to calibrate due to strong arc.	Replace the electrodes by using the [Replace Electrodes] function in the page [93]. If this does not eliminate the problem, consult the authorized distributor.
Weak Arc Power	Unable to calibrate due to weak arc.	
Too Left Arc	Unable to calibrate due to poor arc field position (too far left).	
Too Right Arc	Unable to calibrate due to poor arc field position (too far right).	
Fiber Separation	The fiber stuff amount is insufficient.	Execute the [Motor Calibration] function. If using other splice modes, check the [Overlap] setting in the splice mode.
	The pre-fuse power or pre-fuse time is set too high.	Check the [Prefuse Power] and [Prefuse Time] settings in the splice mode.
L-Bad Fiber Position	The fiber is not set correctly at the bottom of the V-groove.	Press RESET key, and re-position the fiber again to seat it correctly at the bottom of the V-groove.
R-Bad Fiber Position		
No Arc Discharge	Arc Discharge did not occur.	• Assure the electrodes are in proper position. • Replace the electrodes. • Consult the authorized distributor.

Error Message	Reason	Solution
Large Cleave Angle	Bad fiber end-face.	Check the condition of the fiber cleaver. If the blade is worn, rotate the blade to a new position.
	[Cleave Limit] is set too low.	Increase the [Cleave Limit] to an adequate limit.
Large Fiber Angle	[Core Angle Limit] is set too low.	The splicer measures the core angle only when using other splice modes. Increase the [Core Angle Limit] to an adequate limit. (1.0 degree is standard)
	Dust or dirt is on the V-groove or the clamp chip.	Clean the V-groove and clamp chip, and set the fibers again. If the error occurs again, strip, clean and cleave the fibers.
	Bad fiber end-face.	Check the condition of fiber cleaver. If the blade is worn, rotate the blade to a new position.
Cleave Shape NG	Bad fiber end-face.	Check the condition of fiber cleaver. If the blade is worn, rotate the blade to a new position.
Arc Discharge Delayed	Arc Discharge is delayed	• Assure the electrodes are in proper position. • Execute the [Stabilize Electrode] function. • Replace the electrodes.
Thin Fiber	Inadequate arc power	Calibrate the arc power with the [Arc Calibration] function.
	Prefuse power or time is set too high	If using the Other mode, adjust or initialize [Prefuse Power] or [Prefuse Time] settings. For normal splice mode, the prefuse is fixed and cannot be adjusted.
	Insufficient [Overlap] setting	• If using the Other mode, adjust or initialize [Overlap] setting. For normal splice mode, the overlap is fixed and cannot be adjusted.
Fat Fiber	Too much [Overlap] setting	• Execute [Motor Calibration] function in the maintenance menu to calibrate the stuff amount.
Too Tapering Fiber	Too much fiber taper.	If using the taper splice function, the error message may appear meaning the fiber is tapered too much.
Bubble	Bad fiber end-face.	Check the condition of fiber cleaver. When the blade is worn, rotate the blade.
	Prefuse power or time is set too low	If using the Other mode, adjust or initialize [Prefuse Power] or [Prefuse Time] settings. For normal splice mode, the prefuse is fixed and cannot be adjusted.
Large Dust Burn	Bad fiber end-face.	Check the condition of the fiber cleaver. If the blade is worn, rotate the blade to a new position.
	[Cleaning Arc] time is too short or "OFF."	Dust still present after cleaning fiber or cleaning arc. Clean fiber thoroughly or Increase [Cleaning Arc Time]

Error Message	Reason	Solution
High Estimated Loss	Insufficient fiber cleaning.	Dust or dirt on the fiber surface results in bad splice loss and low tensile strength. • Clean the fiber surface sufficiently. • Do not clean the fiber after cleaving to prevent dust on the fiber end-face. • Avoid any contact with the fiber end-face.
	Bad fiber end-face.	• Check the condition of fiber cleaver. If the blade is worn, rotate the blade to a new position. • Confirm the [Cleave Limit] setting. 2.0° or less is recommended.
	Dust or dirt is on the V-groove or the clamp chip.	Dust or dirt on the V-groove or clamp chip causes poor fiber movement during fiber stuffing. Clean them periodically.
	Dust or dirt is on the lens or mirror	Execute the [Dust Check]. If dust or dirt exists, clean the lenses or mirrors.
	Bad electrode condition.	Replace the electrodes if they appear worn (rounded tip shape), dirty or bent.
	Inadequate arc power.	Calibrate the arc power with the [Arc Calibration] function.
	Using unsuitable splice mode	Select a suitable splice mode for the fibers to be spliced.
	[Loss Limit] is set too low.	Increase [Loss Limit] to an adequate limit.
	Fibers were spliced after Error 08 was canceled.	Select the appropriate splice mode from the Other modes.
	Inadequate arc parameters in other splice modes	Confirm the arc parameters are adequate to splice the fibers.
	Inadequate estimating parameters in Other mode	Confirm the estimating parameters are adequate to estimate the loss. The MFD mismatch function does not work for certain types of specialty fibers. In these cases, set the [MFD Mismatch] to "OFF".

Error Message	Reason	Solution
There is dust after executing Dust Check function	Dirt or dust exists in optical path.	• Clean the wind protector mirrors by referring page 53 [Cleaning Wind Protector Mirrors. If it is not possible to remove the dirt or dust on the mirror, replace the wind protector mirror by referring page 56 [Replace Wind Protector Mirrors. • Clean the objective lenses by referring page 54 [Cleaning Objective Lenses]. • When the above processes cannot remove the dirt or dust, consult the authorized distributor.
X Camera Y Camera Trouble	The Camera may be damaged.	Consult the authorized distributor.
Heater Oven Trouble	Heater does not heat.	Consult the authorized distributor.
Communication error	Broken the internal device	Consult the authorized distributor.
Temperature Sensor NG	Temperature Sensor may be damaged.	Consult the authorized distributor.
Internal error	Broken the internal device	Consult the authorized distributor.