

USER'S MANUAL

LASER LINE MARKER



Foreword

This user's manual describes about the correct using method and instructions for use of this product. Please use this machine after understanding the contents of the manual.

This manual may contain discrepancies in detailed specification as compared with the actual production. If you have any question about this manual, consult your TAJIMA distributor.

We believe that "BASICS TAJIMA EMBROIDERY MACHINES" and "MACHINE SETUP INSTRUCTIONS" are useful to deepen your knowledge about this product. Please also read those booklets.

Regarding how to handle the products related, refer to the user's manual exclusive for them included in the manual CD.

TISM Co.,Ltd.

SAFETY PRECAUTIONS

To prevent any harm or damage to the person who use this product or other person, we describe items that must be surely followed as below.



Indicates that there is a lot of danger of death or serious injuries [*1] if handled by mistake.




Indicates that there is a likelihood of death or serious injuries [*1] if handled by mistake.





Indicates a potentially hazardous situation which may result in minor or moderate injury [*2] or property damage if handled by mistake.

*1: A condition caused by electric shock, injury, fracture of a bone, etc., that leads to aftereffects, or an injury that necessitates hospitalization or visits to a hospital over a long period.

*2: An injury that does not necessitate hospitalization or visit to a hospital over a long period.

: Prohibited items

: Items that may cause electric shock if not observed

: Items that must be followed carefully to ensure safe operation

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1. Items to notice


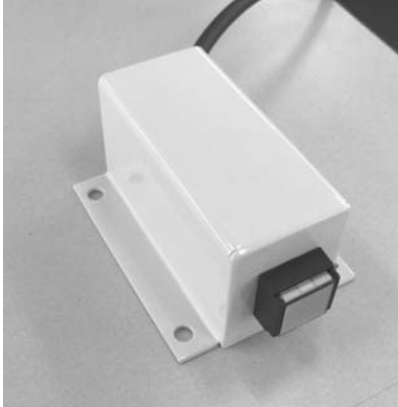

! DANGER

This device uses class 3a laser diode (red beam).

- Maximum output: 2.5 mW
- Diode laser wave length: 635 nm

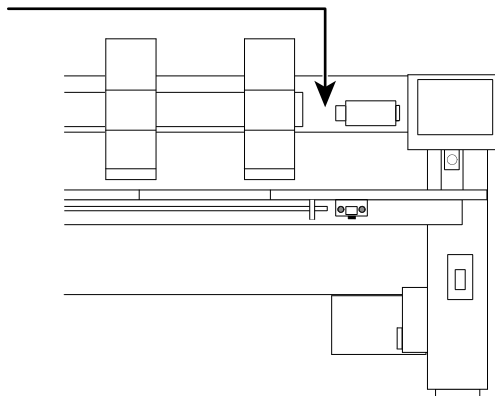
⊘ During operation of this device, visible laser beam is discharged from the aperture. Since both beam and scattered light are dangerous, do not look at and touch the device directly.

2. Necessary parts

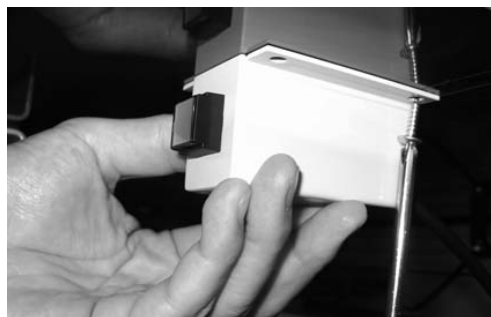
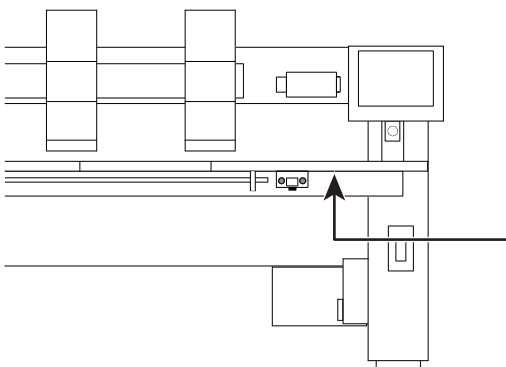
Laser line marker	Push button switch box	Tapping screw M4*16
		4 pieces 

3. How to attach Laser line marker

- (1) Attach the Laser line marker to the machine stand and connect the connector. Since the attaching face is magnetic, it is possible to attach the marker freely to the position where it is convenient for you to use.

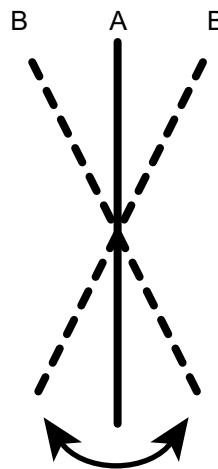
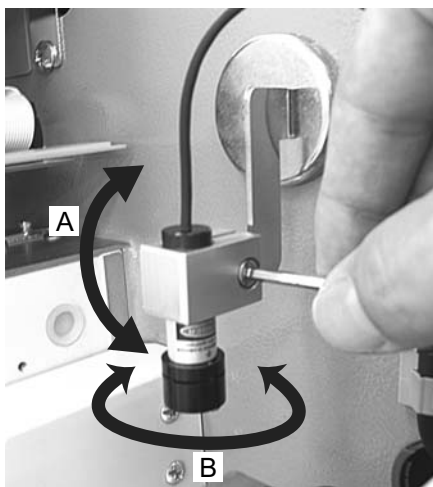


- (2) Attach the push button switch box to the bottom surface of table with the tapping screws, and specify its attachment position to ease the operation with the sufficient harness length. Use the double-sided adhesive tape if the tapping screw is not available for use.

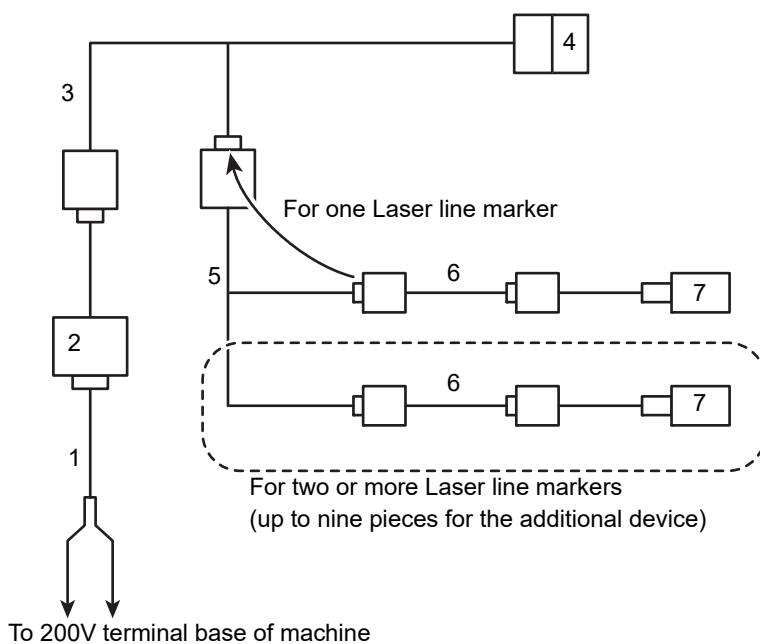


4. Operation / adjustment

- (1) Press the button of the push button switch box to discharge the laser beam. To turn OFF, press the button again.
- (2) The light axis can be adjusted after loosening the screw (the hexagon socket head cap screw M4*8). Tighten the screw after the adjustment.
 - To move the light axis back and forth, change the angle of main body of the laser device.(A in the illustration below)
 - To change the angle of light axis, turn the main body of laser device clockwise/counterclockwise.(B in the illustration below)



5. Harness connection diagram



1	HARNESS :LASER MARKER POWER SUPPLY 1 ^[1]
	HARNESS :LASER MARKER POWER SUPPLY 2 ^[2]
2	POWER SUPPLY :AC ADAPTER
3	HARNESS :LASER MARKER SWITCH
4	SWITCH :PUSH BUTTON
5	HARNESS :LASER MARKER BRANCH ^[3]
6	HARNESS :LASER MARKER RELAY
7	LASER LINE MARKER

[1] TMCR、TMCP、TMCS

[2] TFMX、TCMX、TLMX、TMAR

[3] For two or more Laser line markers

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