



Optional Device Manual

BEAM SENSOR

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 specifications as compared with the actual production model. If you have any questions 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 DVD.

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

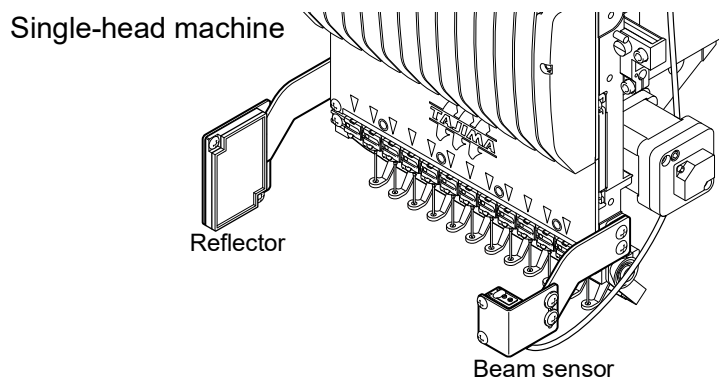
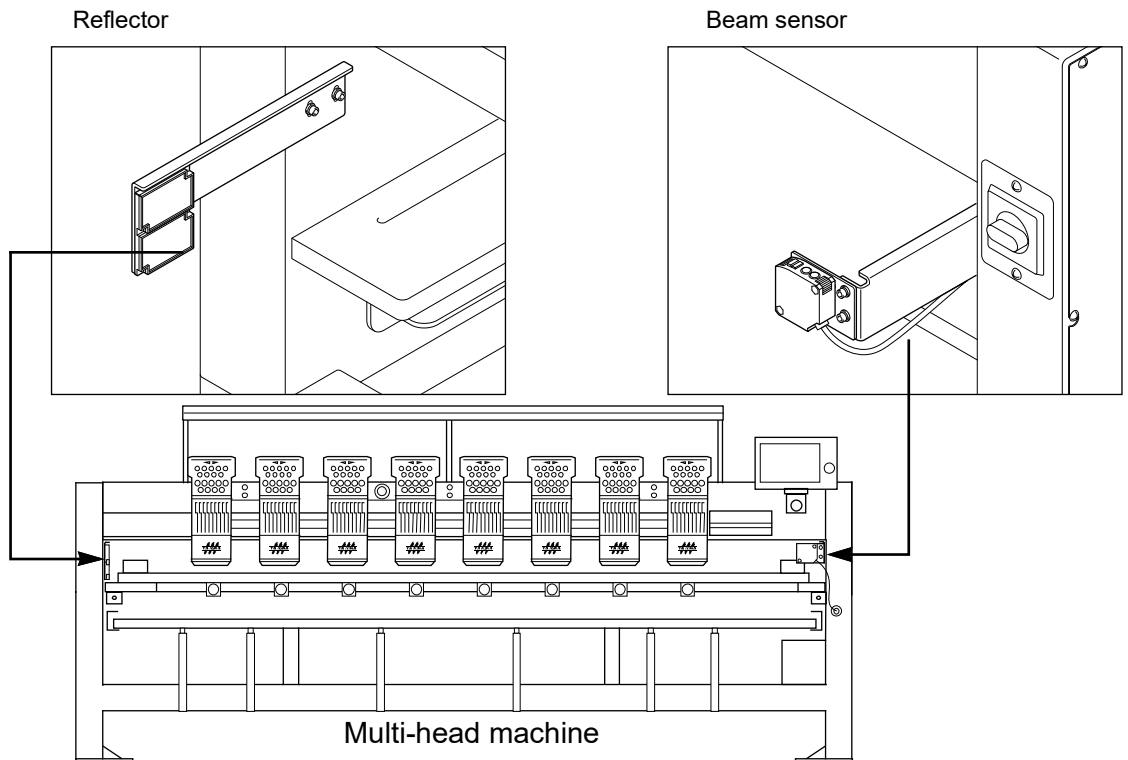
 : Items that may cause electric shock if not observed

 : Items that must be followed carefully to ensure safe operation



1	Beam sensor	1
2	How to release code No.2CE and how to restore (depending on model)	2
2-1	TWMX-C, TFMX series, TFCX series, TLMX series	2
2-2	TMAR series, TMCR-VF, TMCP-VF, TMCS-VF, TMEZ series, TMBR2-SC、TMBP2-SC、TMBU2-SC、TMBP2-XC	2
3	Connecting destination of beam sensor (depending on model)	2
3-1	TFMX-C(Single head M/C), TWMX-C	2
3-2	TCMX-601	2
3-3	TMBR2-SC, TMBP2-SC, TMBU2-SC, TMBP2-XC	2
3-4	TMEZ-SC	3
3-5	TFMX series (2 or more heads M/C)	3
3-6	TMAR series	3
3-7	TMCR-VF, TMCP-VF, TMCS-VF	4
3-8	TCMX series	4
3-9	TLMX series	4
3-10	TMEZ-KC	5

1 Beam sensor

This is a sensor to prevent danger. The device consists of a beam sensor positioned at the right-side of machine and a reflector positioned at the left-side. If you stretch out your hand and so on near needle (on the light axis), the machine will stop and display code number 2CE on the display section of the operation panel.



CAUTION

-  Check if the beam sensor works normally and the machine stops.
-  If attaching position of beam sensor and/or reflecting mirror is inappropriate, the device will not work normally. In addition, if you use shining material for embroidery, sensor beam may not work normally due to diffuse reflection.

2 How to release code No.2CE and how to restore (depending on model)

2-1 TWMX-C, TFMX series, TFCX series, TLMX series


(1) Remove the obstacle on the light axis.

(2)  Press (Reset key).

(3) Start the machine.

2-2 TMAR series, TMCR-VF, TMCP-VF, TMCS-VF, TMEZ series, TMBR2-SC, TMBP2-SC, TMBU2-SC, TMBP2-XC

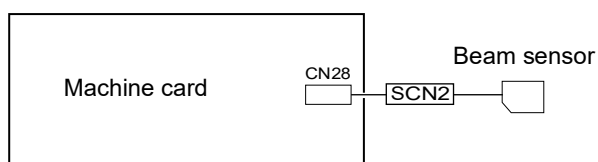
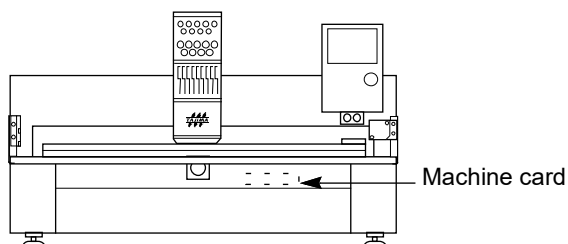
(1) Remove the obstacle on the light axis.

(2)  Press (Return key).

(3) Start the machine.

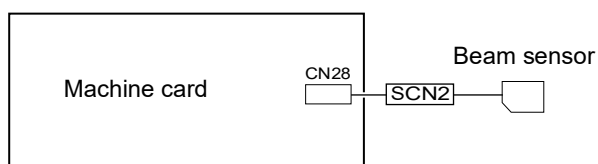
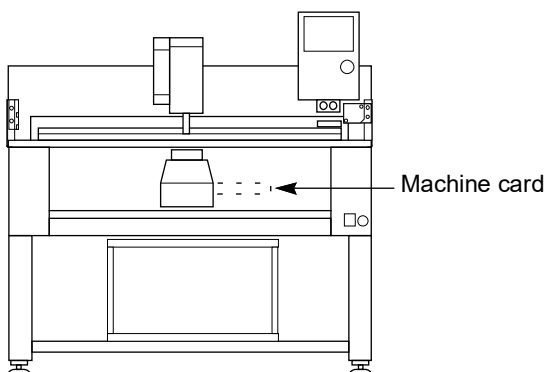
3 Connecting destination of beam sensor (depending on model)

3-1 TFMX-C(Single head M/C), TWMX-C



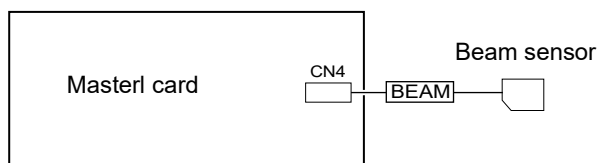
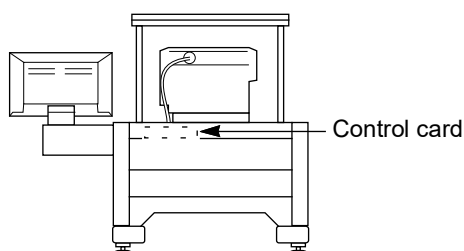
* To connect the beam sensor, turn ON JP2-8 of the machine card.

3-2 TCMX-601



* To connect the beam sensor, turn ON JP2-8 of the machine card.

3-3 TMBR2-SC, TMBP2-SC, TMBU2-SC, TMBP2-XC

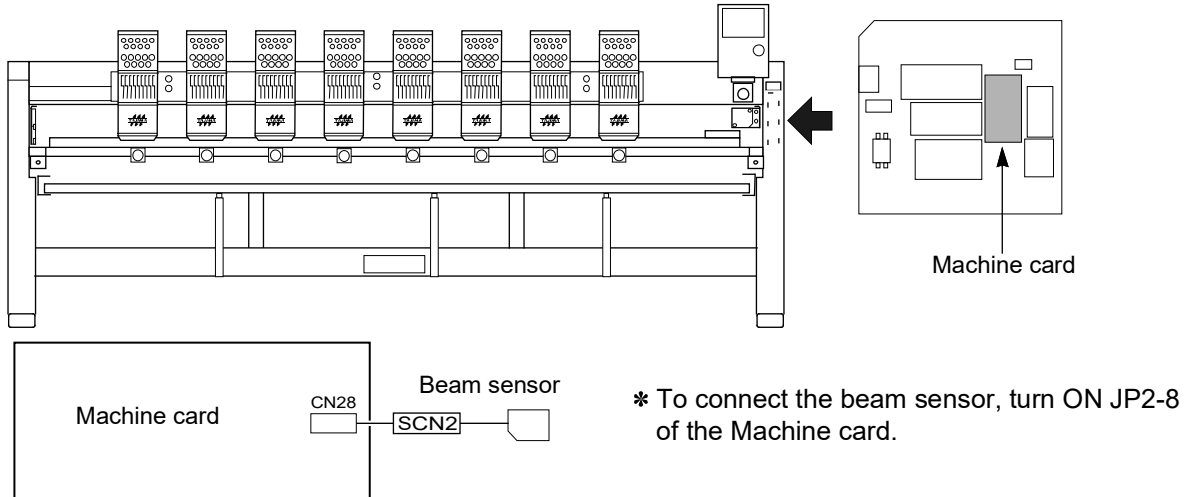


* To connect the beam sensor, turn ON SW1-1 of the Control card.

3-4 TMEZ-SC

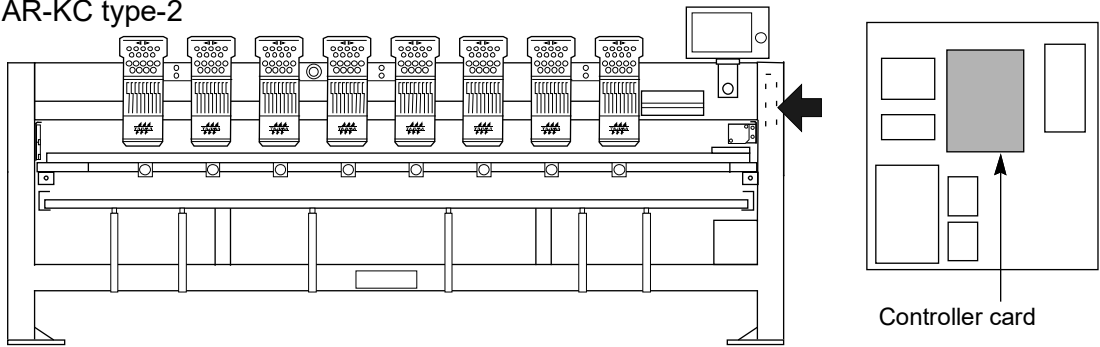


3-5 TFMX series (2 or more heads M/C)

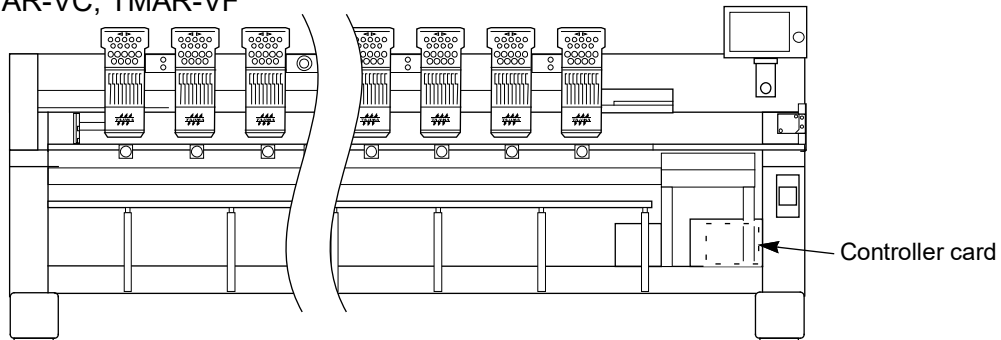


3-6 TMAR series

TMAR-KC type-2

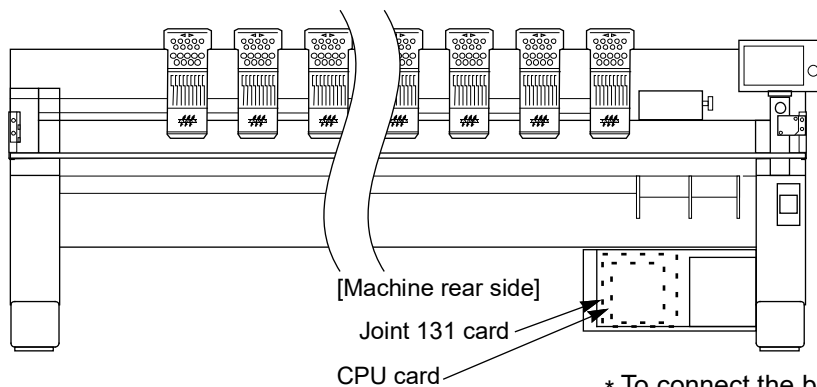


TMAR-VC, TMAR-VF



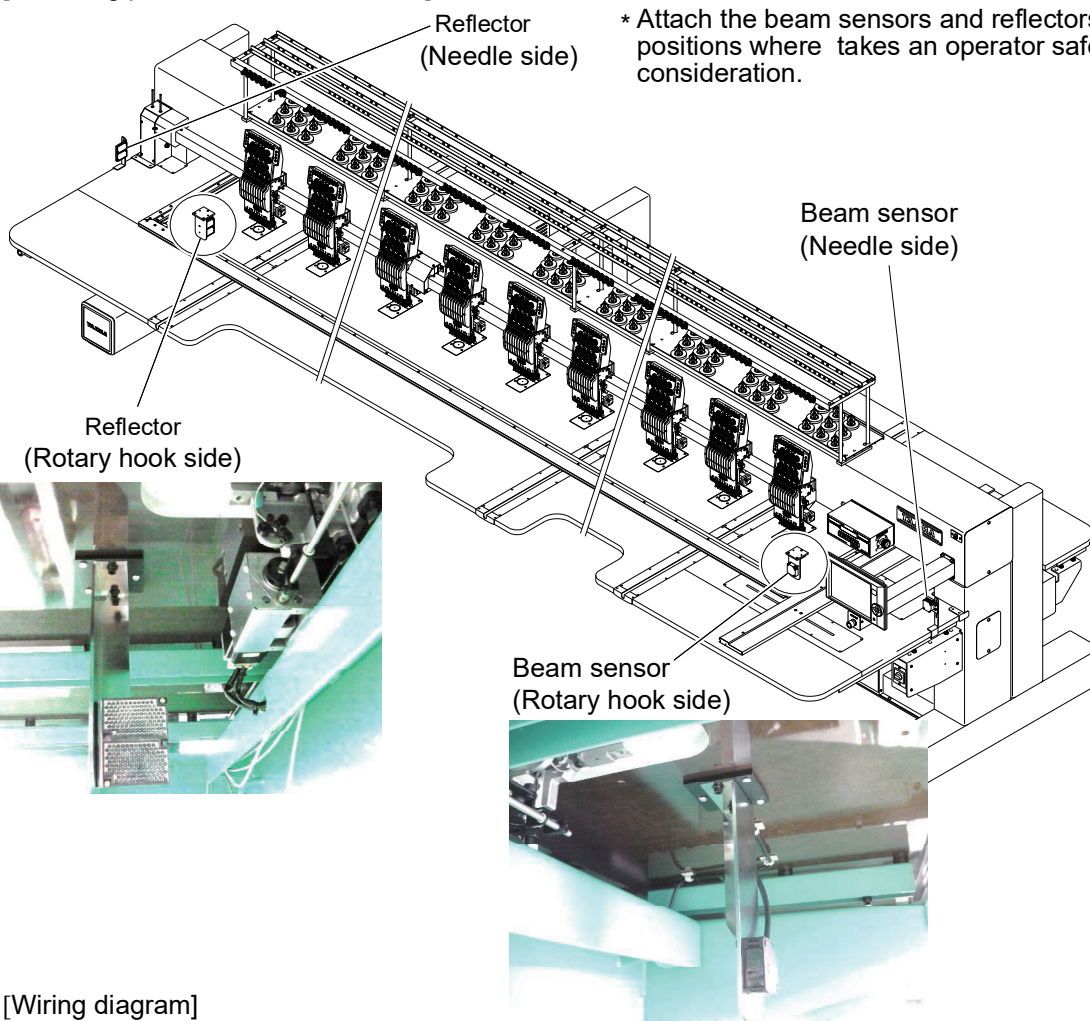
* To connect the beam sensor, turn ON SENS1-1 of the Controller card.

3-7 TMCR-VF, TMCP-VF, TMCS-VF

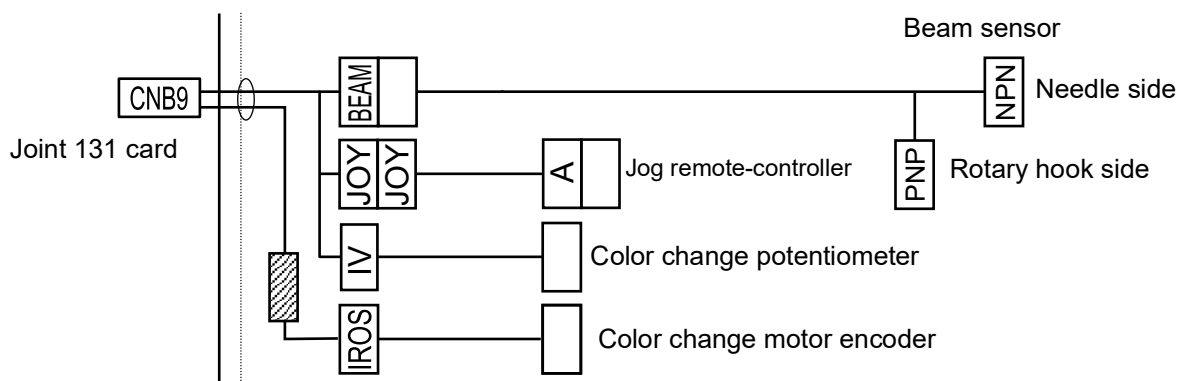


* To connect the beam sensor, turn ON SWA1-1 of the CPU card.

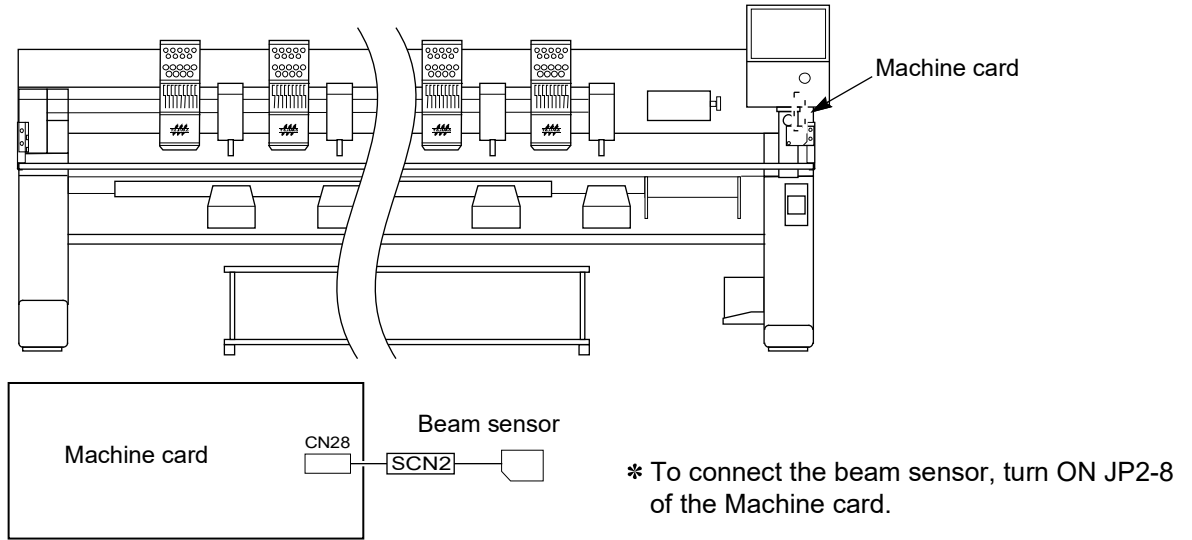
[Attaching position of beam sensors]



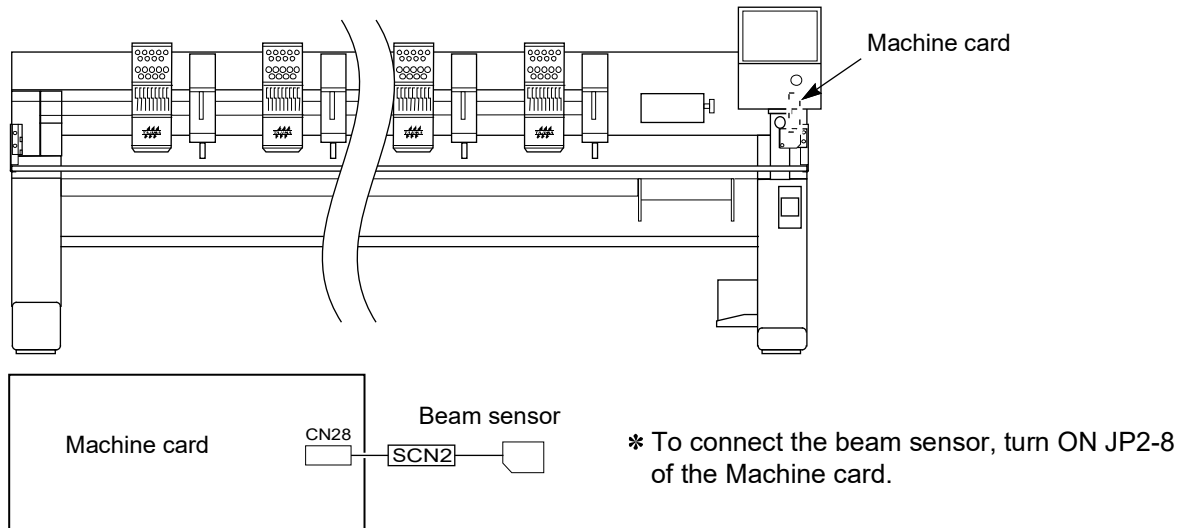
[Wiring diagram]



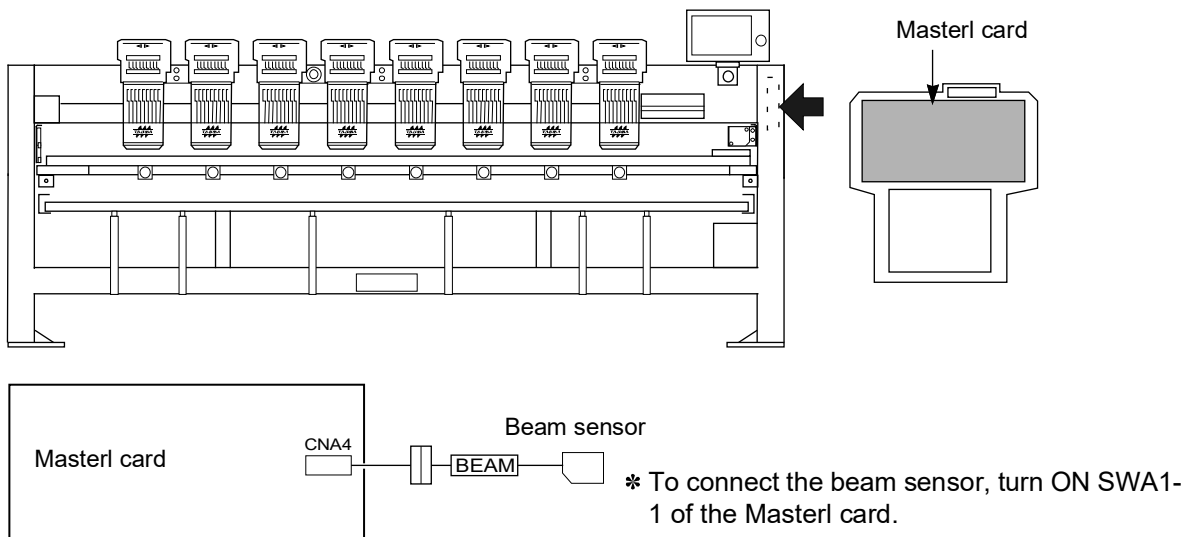
3-8 TCMX series



3-9 TLMX series



3-10 TMEZ-KC



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