

SYSTEM HANDLING MANUAL

***TFMX , TWMX-C
TCMX, TLMX***



Foreword

This manual explains about operations and settings related to system of the machine.

The contents of this manual may contain discrepancies in detailed information when compared with the actual product you have purchased due to difference of target model or continued research and improvements. If any question about the products or contents of this manual arises, please consult your TAJIMA distributor.

Please keep this manual with care near the machine for quick reference,

TISM Co.,Ltd.

Important safety instructions

Items that require your special attention on operation are specified below.



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




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





Indicates a potentially hazardous situation which may result in minor or moderate injury [*2] or physical damage.

*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

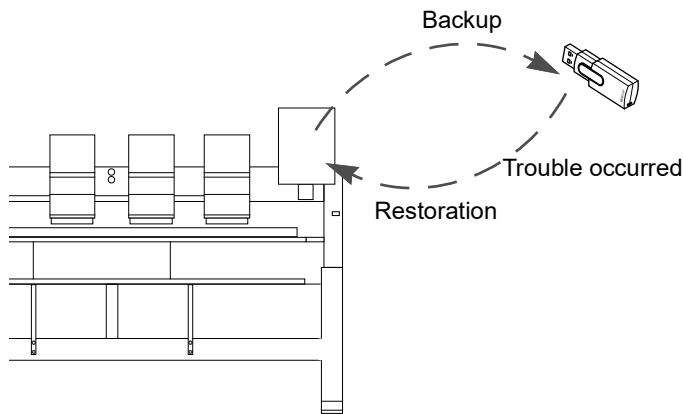
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1. Memory backup

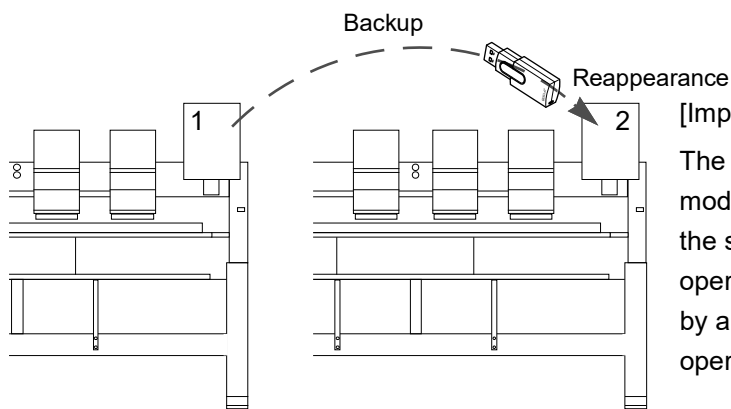
This is the function to write backup data such as setting condition [*1] of the machine, error information, operation records etc. to a USB memory. The purposes of this function are as follows.

*1: Automatic thread trimming, frame drive adjustment, setting for option etc.

- (1) Back up normal condition of the machine that is running well. You can restore the system by reading the backup data, when a trouble occurred.(→ p.2)

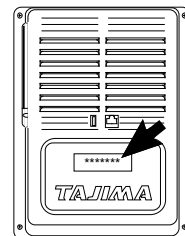


- (2) It is possible to check repeatability of the trouble by reading the backup data of the machine that had a trouble (figure 1 below) to another machine (figure 2 below).



[Important]

The figure 1 and 2 should be the same model and the operation panel should be the same type. As for the type of the operation panel, check the label (indicated by an arrow) of the back face of the operation panel.

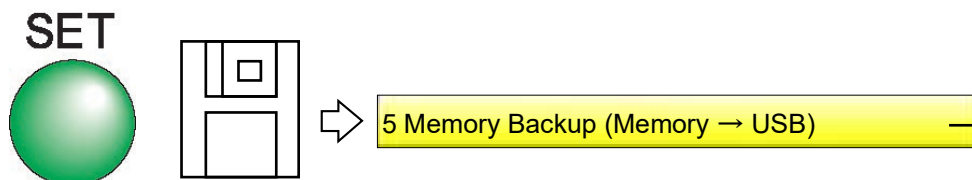


The reproduced trouble is very useful for analyzing cause of trouble and improving the software. When a trouble that the distributor cannot resolve occurs, send the backup data to TAJIMA through the distributor.(→ p.4)

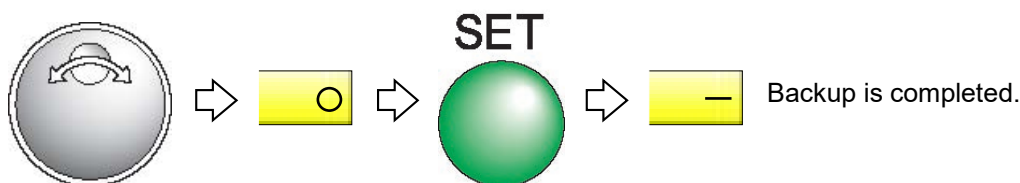
1-1. To perform the memory backup

Store setting condition of the machine, system software, operation records etc. in a USB memory.

- (1) Set an empty USB memory to the USB port.
- (2) Set to the main screen.
- (3) Press the floppy disk key while pressing the SET key.



- (4) Select "O" and press Set Key.



- (5) Detach the USB memory.

The software version for the machine is described at [Version.txt] of the root folder in the USB memory.
This completes the working.

1-2. To restore and reappear the system

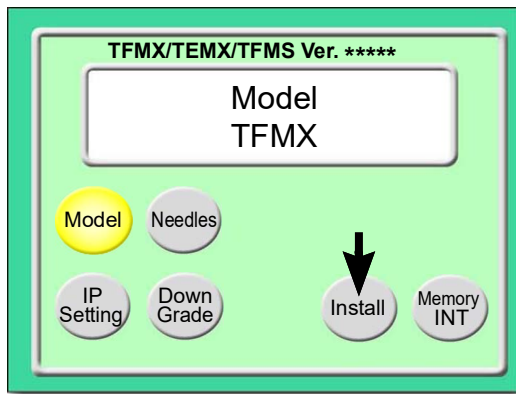
Make the memory of the machine read various settings, system softwares and operational records saved in the USB memory.

- (1) Turn OFF the power.
- (2) Set the USB memory, in which the backup data (obtained at "1-1." described above) is stored, to the USB port.

[Important]

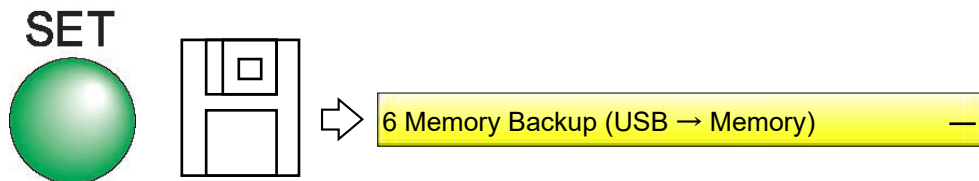
The operation panel should be the same model and the same type used at "1-1." described above.
Restoration is not possible in other cases.

- (3) Turn ON the power. The screen shown below will appear automatically. Select "Install" (indicated by an arrow) and press SET key. After that, the software installation starts.

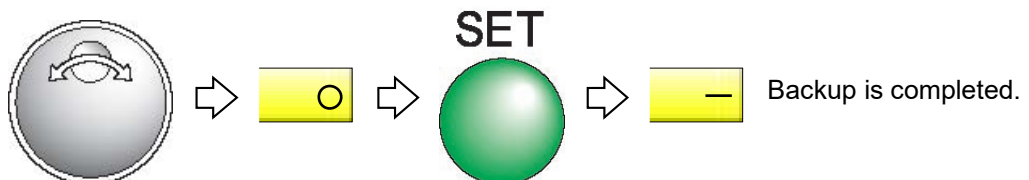


The figure is an example of screen display of TFMX.

- (4) When installation of software is completed, take out the USB memory.
- (5) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.
- (6) The screen of "3 Machine Type" will appear. After that, perform a series of setting. The setting contents are different depending on the machine model. Refer to the description below.
- TFMX : p.16 ~
 - TLMX : p.22 ~
 - TCMX : p.31 ~
- (7) Set the USB memory to the USB port.
- (8) Set to the main screen.
- (9) Press the floppy disk key while pressing the SET key.



- (10) Select "O" and press Set Key.

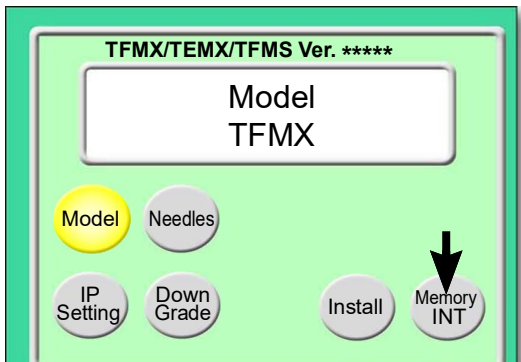


- (11) Detach the USB memory.
- (12) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.
After the completion, the design that was set in the original machine is set.
This completes the working.

1-3. When mistaking restoring operation (memory initialization)

When restoring operation is performed between different models or different type of operation panels, the system of the machine will not start up. In this case, restore the system of the machine by the following procedure.

- (1) Turn OFF the power.
- (2) Set the USB memory in which the latest software is stored to the USB port.
- (3) Turn ON the power. The following screen will appear automatically. Select "Memory INT" (indicated by an arrow) and press SET key. The memory initialization will be executed. After executing of the memory initialization, the machine will be in the following condition.
 - Setting values of this machine will return to the initial values.
 - The password will return to "0000".
 - All memory designs of the machine will be deleted.



The figure is an example of screen display of TFMX.

- (4) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.
- (5) Install the software.(→ p.14)
This completes the working.

1-4. To send backup data

If you would like to send the backup data through the distributor to Tajima, you are requested to compress the backup data by using "Compressed folder" function of Windows or the file compression/extraction tool. The following is procedure of how to compress data by using compressed folder function of Windows.

- (1) Set the USB memory in which the backup data is stored to the USB port of Windows personal computer.
- (2) Activate the explorer.
- (3) Select all files and folders in USB memory, and right-click the mouse, then select [Send To] - [Compressed (zipped) Folder].
- (4) Copy the compressed folder to the personal computer and send it through the distributor to Tajima, depending on your needs.

2. IP Address setting

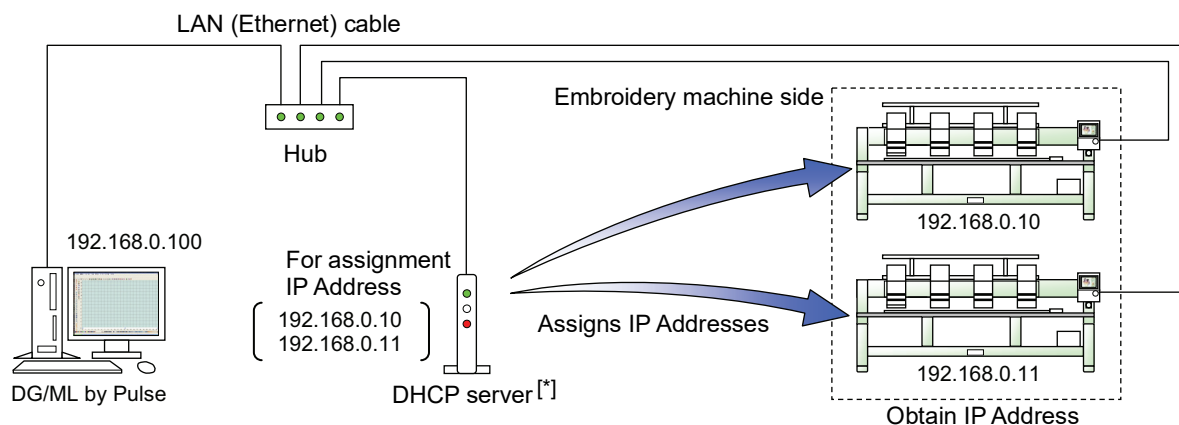
This machine has a function to set the IP Address (equivalent to the address to identify the networking device) to the embroidery machine side. This function will provide with more proper network connection to DG by Pulse (host personal computer).

When you connect DG by Pulse to the embroidery machine, please consult the distributor. Then, refer to this chapter to start working.

There are following two kinds of methods to set the IP Address. Select the IP Address to be assigned to the embroidery machine side that is suitable for your networking after consulting the distributor.

- How to obtain an IP Address from a DHCP server (Default setting)

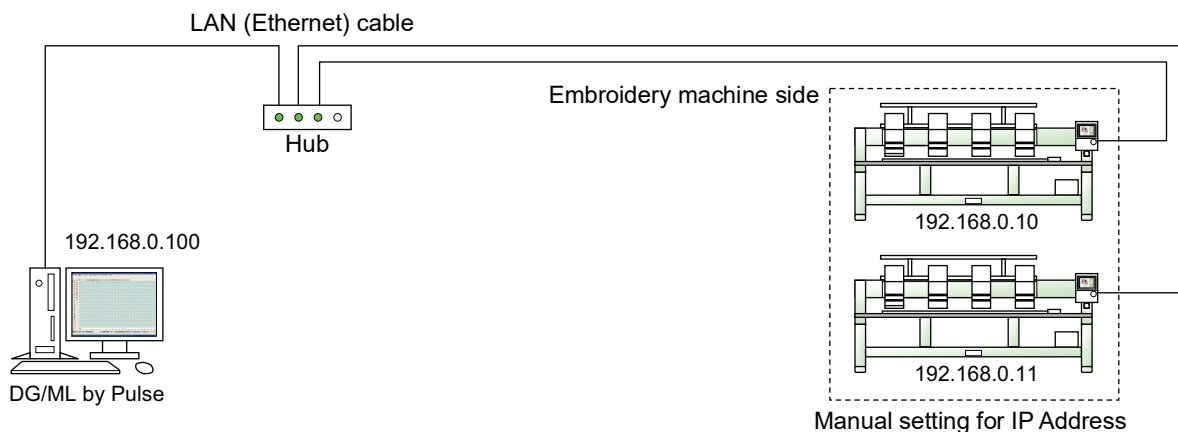
This method is our recommended setting. This method does not require to set the IP Address on the machine side manually and provides easier network connection.



* The device to provide the networking terminals with the service to assign IP Address.

- In case of setting IP Address at the machine side manually

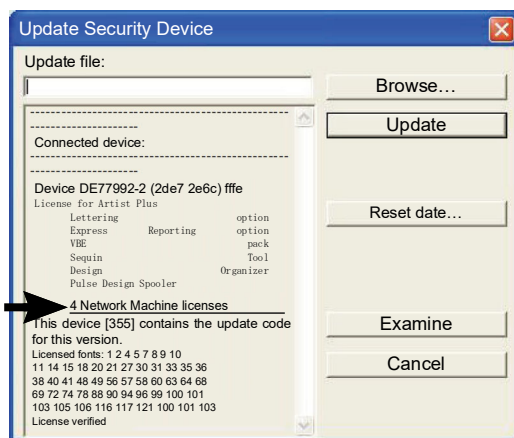
This method is available for the network connection with the fixed IP Address without using DHCP server.



2-1. Checking network connecting license on DG by Pulse

To perform the network connection to the machines and DG by Pulse by using the Ethernet cables, DG by Pulse requires Network connection license for the number of networking machines. If you have no or insufficient number of DG by Pulse license for the network connection, it is necessary to purchase the license separately and to update the security device of DG by Pulse. Check existence/absence of network connection license according to the following procedure.

- (1) Activate DG by Pulse, and select [Tools] — [Update Security Device] from the menu bar at the top of the screen (The screen as shown below will appear).
- (2) Check existence/absence of Network connection license and if the number of connectable machines (shown by an arrow in the figure below) are described.



Example of four machines can be connected

Proceed to the next "2-2." continuously.

2-2. Preparation with a personal computer (running on Windows)

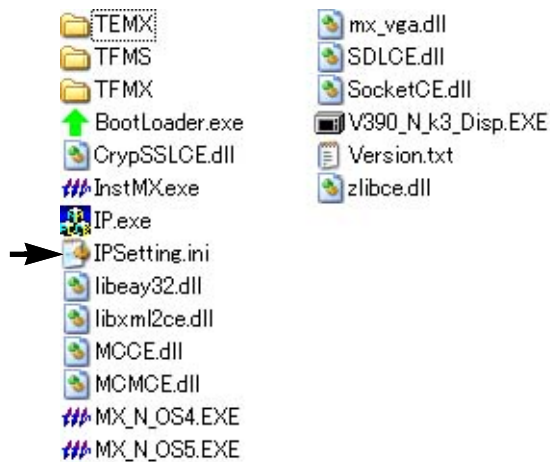
- (1) Set the USB memory in which the software is stored to the USB port of the personal computer.

Only the version described in the chart below and after of software is effective.

Machine type	Version
TFMX	V3.50 -
TFMX-C (SINGLE-HEAD MACHINE)	
TWMX-C	V5.20 -
TCMX	V3.60/V3.60X -
TLMX	V2.20/V2.20 -

- (2) Press [Start] button on the Task Bar of Windows, and select [All Programs] — [Accessories], then open [Notepad] .
- (3) Select [File] – [Open] from the menu bar of the notepad.

- (4) Change [Type of file] in the dialog box to [All files], and open [IP Setting.ini] (indicated by an arrow in the figure below) from the destination where the software is saved.



- (5) Edit the setting values defined in the file.

Input values that are suitable for your networking after consulting the distributor.

[IP Setting]			
DHCP=	1	1 in the chart below	
IP Address=	192.168.0.10	1 in the chart below	
Subnet Mask=	255.255.255.0	1 in the chart below	
Gateway=	192.168.0.1	1 in the chart below	
[DNS Server]			
IP Address=	192.168.0.1	2 in the chart below	} TCMX and TLMX are not corresponded.
IP Address2=	192.168.0.1	2 in the chart below	
[Design Spooler]			
FIX=	0	3 in the chart below	} TCMX and TLMX are not corresponded.
IP Address=	192.168.0.100	3 in the chart below	
DC Address=	192.168.0.100	3 in the chart below	
DC Type=	1	3 in the chart below	
DC Frequency=	1	3 in the chart below	
[Design Source]			
FIX=	0	4 in the chart below	
IP Address=	192.168.0.11	4 in the chart below	

No.	Item	Setting value	Remarks
1	DHCP	0: Set IP Address manually at an embroidery machine side without using DHCP server. 1: Obtain IP Address allocated by DHCP server.	It is effective only when the setting value of "DHCP" is "0".
	IP Address	Input IP Address setting to the machine side.	
	Subnet Mask	Value to use for calculating Network ID from IP Address	
	Gateway	IP Address for the Gateway device to be connected to other groups of Network or Internet	

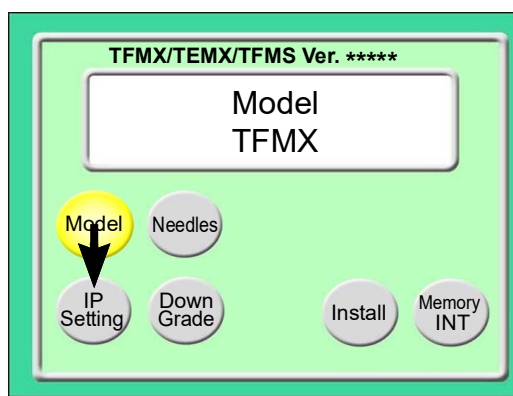
2	IP Address	Initial value is blank	Input when you use "Domain Name" for Addressing of "Design Spooler" and "Data Collector".
	IP Address2	Initial value is blank Use it when connecting with "IP Address" was not possible.	
3	FIX	0: Search IP Address at a host PC side automatically. (Initial value) 1: Fix IP Address at a host PC side. 2: Handle IP Address at a host PC side as "Design Spooler" for designs and as "Data Collector" for information individually.	"2" cannot be selected in TCMX and TLMX.
	IP Address	Input "IP Address" or "Domain Name" of "Design Spooler (personal computer for distributing designs).	It is effective when the setting value of "FIX" is "1" or "2".
	DC Address	Input "IP Address" or "Domain Name" of "Data Collector" (personal computer for collecting informations from the machine)	It is effective only when the setting value of "FIX" is "2".
	DC Type	Method of transmitting informations to "Data Collector" 0: No transmission of information from the machine at all 1: Transmitting information periodically (initial value) 2: Transmitting information at the start/stop of operation only	When the setting value of "FIX" is "1", the initial value is applied.
	DC Frequency	Frequency of transmitting informations to "Data Collector" (time interval) It is possible to set by one second unit. 1: Transmitting every one second (initial value)	
4	FIX	Setting of IP Address of Sidekick terminal 0: Standby for response from Sidekick terminal (initial value) 1: Fix IP Address of Sidekick terminal.	Ignore "1".
	IP Address	Input IP Address of Sidekick terminal	Input when the setting value of "FIX" is "1". Ignore the address value.

- (6) Select [File] — [Save] from the Menu bar of [Notepad], and overwrite the file (Setting for network connection is now saved in the USB memory).

Proceed to the next "2-3." continuously.

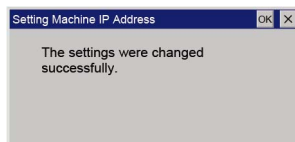
2-3. Network connection

- (1) Turn OFF the power.
- (2) Set the USB memory prepared at (6) of 2-2. to the USB port.
- (3) Turn ON the power. The screen shown below will appear automatically. Select "IP Setting" (indicated by an arrow) and press SET key.



The figure is an example of screen display of TFMX.

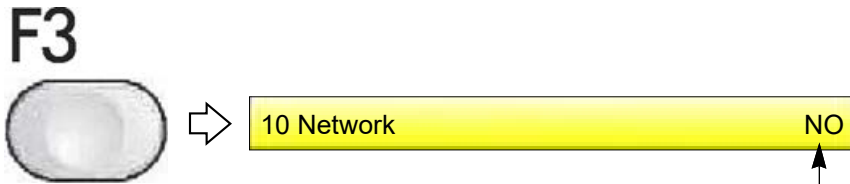
- (4) When the following message appears, proceed to the next (5).



- (5) Detach the USB memory.
- (6) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.
- (7) After connecting the LAN cable to the LAN port of the machine, activate [Design Spooler] of the host personal computer (DG by Pulse). Disable the Firewall setting on the host computer.
- (8) Set the screen to the main screen of the operation panel.
- (9) Press F3 key while pressing SET key.



(10) Press F3 key.



TFMX、TWMX-C
NO: Not to use

Normal :

Connect with DG by Pulse or Autograph via Network.

Sidekick :

Perform network connection directly to Sidekick. SideKick is the network application software manufactured by Pulse Microsystems Ltd. This software has the following functions.

- It is possible to output the design into the machine by wireless LAN.
- It will work in the tablet terminal.
- It is possible to perform Monogram, Displaying designs and Design Standby Operation by it.

Auto-Load :

Input the design from DG by Pulse in the order of output stand-by.

TLMX、TCMX

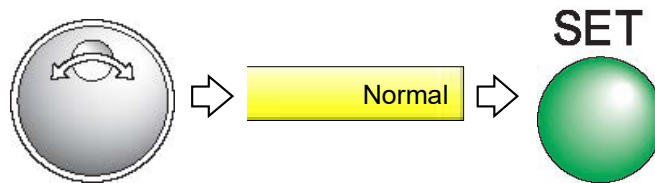
NO: Not to use

YES:

Connect with DG by Pulse or Autograph via Network.

(11) Select Normal.

The following is an example of connecting to DG by Pulse or Autograph via Network.



This completes the working.

2-4. Check of Network connecting condition

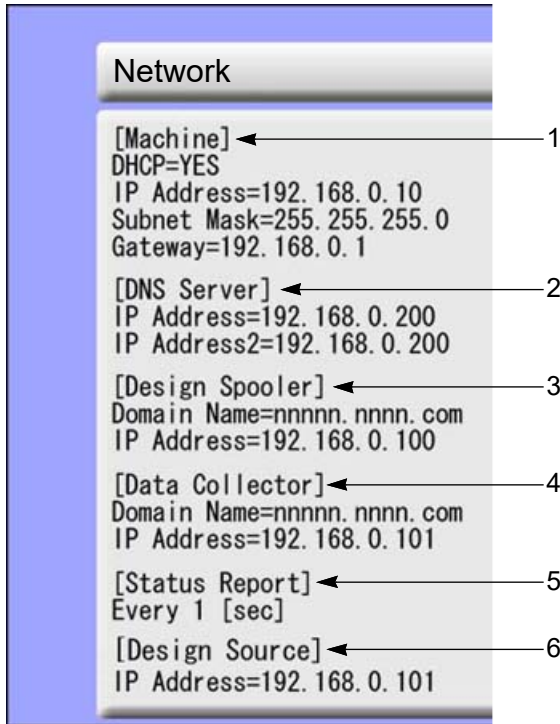
Setting contents of "IP setting.ini" can be displayed by the following operation. TCMX and TLMX are not corresponded.

(1) Set to the main screen.

(2) Press i key four times.



(3) Setting contents of "IP setting.ini" will be displayed.



1: Address information of the machine

2: Address of DNS server

When it is not used or DNS server cannot be found out, the blank will appear.

When IP Address and IP Address 2 are the same values, the value of IP Address 2 will not be displayed.

3: Address of Design Spooler (personal computer for distributing designs)

When Domain Name is not used, it will be blank.

4: Address of Data Collector (personal computer for collecting informations)

It will be displayed only when Data Collector is used.

When Domain Name is not used, it will be blank.

5: Output setting of the machine information

Every 1 [sec]: Transmitting every one second (The number of seconds vary depending on the setting.)

NO: Not to transmit.

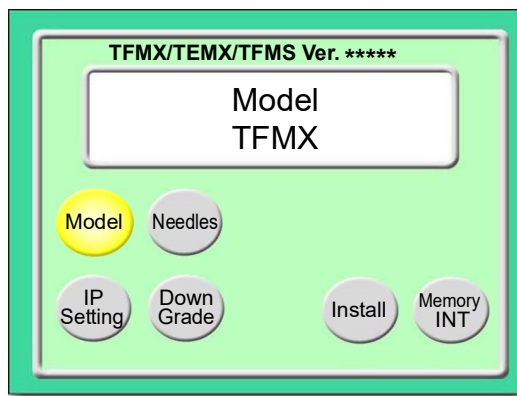
Start/Stop: Transmitting at the start/stop of operation only

6: Address information of Sidekick terminal

3. Downgrading of software

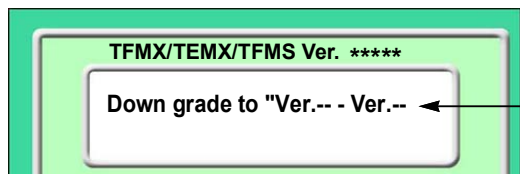
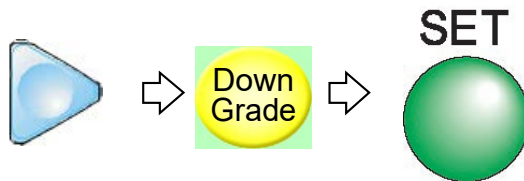
When an unexpected trouble occurred due to upgrading of software etc., this function makes the machine available to use by returning the software to former version. Return the software to former version by the following procedure.

- (1) Turn OFF the power.
- (2) Set the USB memory (in which the software is saved) to the USB port.
- (3) Turn ON the power. The following screen will appear automatically.



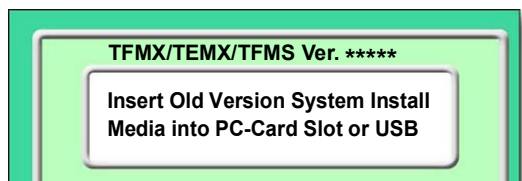
The figure is an example of screen display of TFMX.

- (4) Select "Down Grade" and press Set Key.



Downgrading is possible only to the described version Nos.

When the following message appears, proceed to the next operation.



- (5) Turn OFF the power.
- (6) Set USB memory (in which specified old software is saved) to USB port.
Regarding how to obtain the old software, ask the distributor for information.
- (7) After turning ON the power, install the software.(→ p.14)
This completes the working.


4. Software installation (TFMX-IIC TYPE-2)


The latest software at shipment is installed in this machine. When upgrading is necessary along with improvement after that, install the software according to the following procedure. After installing the software, the machine will be in the following state.

- The password will return to "0000".

Regarding the contents and how to obtain the latest software, please ask for the distributor.

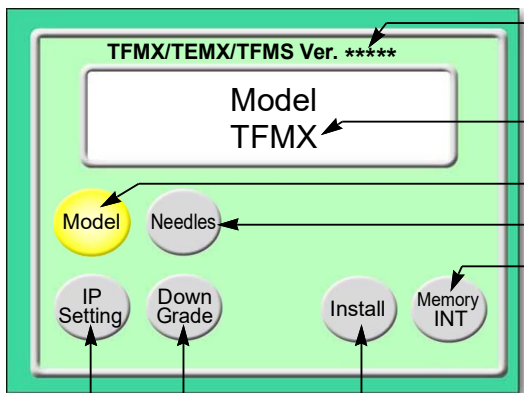
There are two kinds of software (for single-head machine and 2 or more heads machine). Therefore, do not mistake.


CAUTION

 Before installing the software, back up all the memory designs of the machine. Design data could be damaged by unexpected factor.

4-1. How to install the software

- (1) Turn OFF the power.
- (2) Set the USB memory (in which the software is saved) to the USB port.
- (3) Turn ON the power. The following screen will appear automatically.



Version No. of the software saved in USB memory

The display differs depending on the machine model.

Selection of the model name

Selection for the number of needles

Memory initialize(→ p.4)

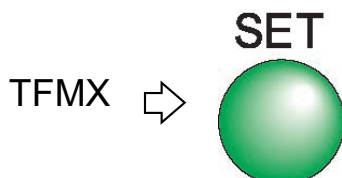
Software installation

Downgrading of the software(→ p.13)

IP setting(→ p.5)

- Setting values of this machine will return to the initial values.
- The password will return to "0000".
- All memory designs of the machine will be deleted.

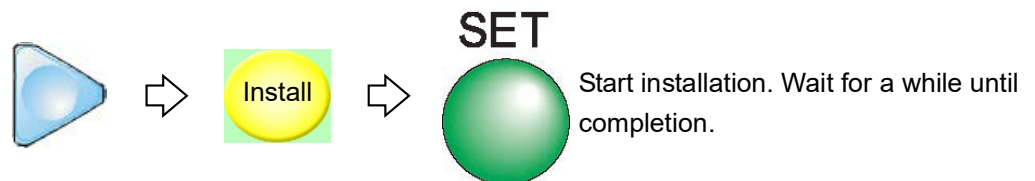
- (4) Check the model name.



(5) Select the number of needles (example of 12-needles).



(6) To execute installation



When the following message appears, procedure is completed.

Finish

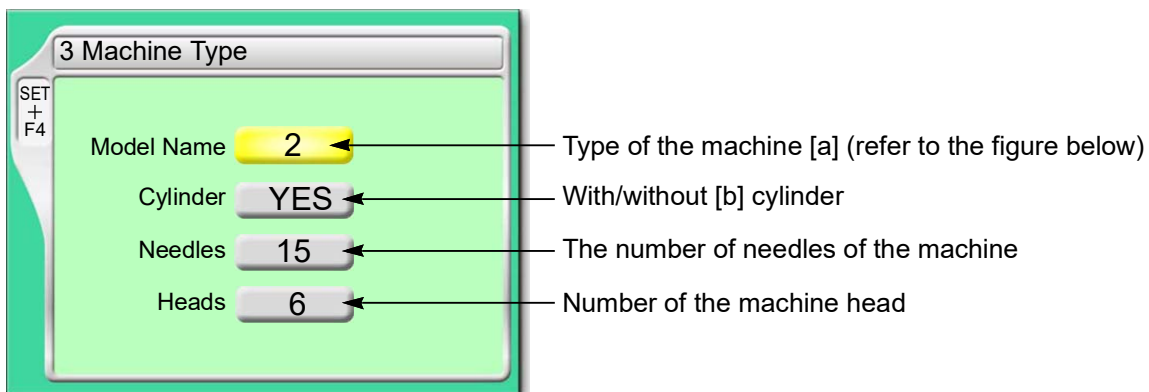
(7) Detach the USB memory.

(8) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.

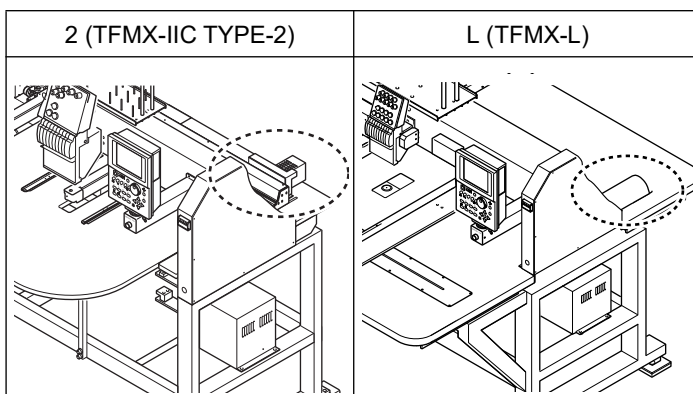
Proceed to "Machine type" continuously.(→ p.16)

4-1-1. Machine type

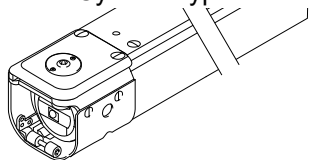
(1) The following screen will appear automatically.



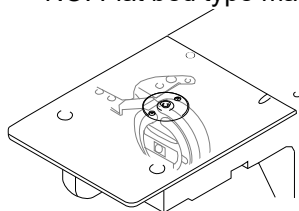
[a] X-axis drive system is different (broken line part).



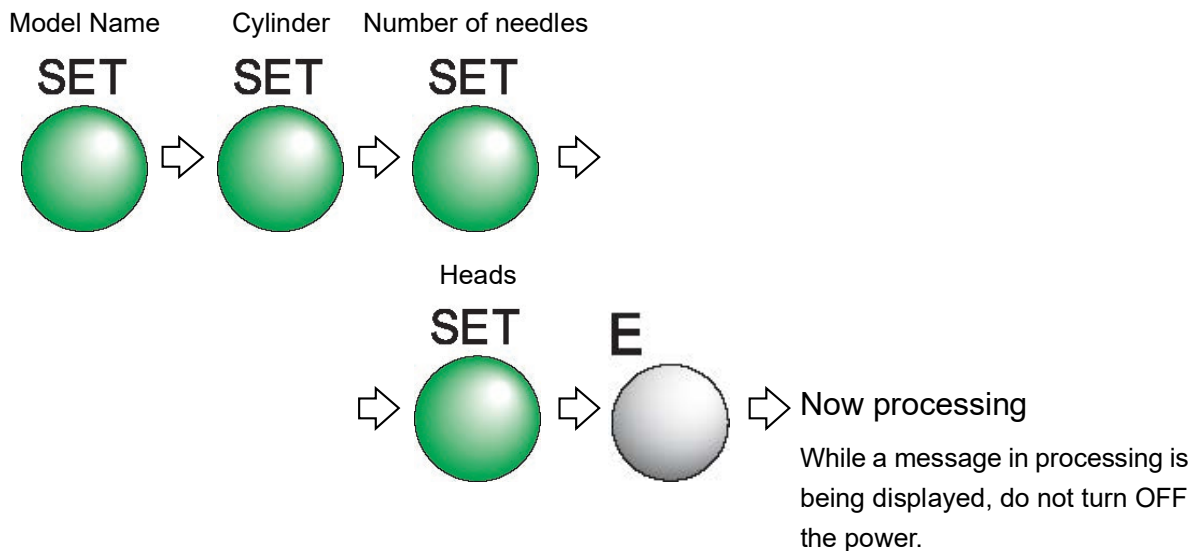
[b] YES: Cylinder type machine



NO: Flat bed type machine



(2) After checking model name, cylinder, number of needles and heads, press SET key, then press E key at the end. Perform the following operation even if nothing is changed.



Proceed to "Machine number" continuously.

4-1-2. Machine number

(1) The following screen will appear automatically.

Machine number
The value shown on the left is an example. Actually, the machine number registered in this machine is displayed.

Machine type
The values shown on the left are examples. Actually, the machine type registered in this machine is displayed. However, it may not be displayed depending on the specifications.

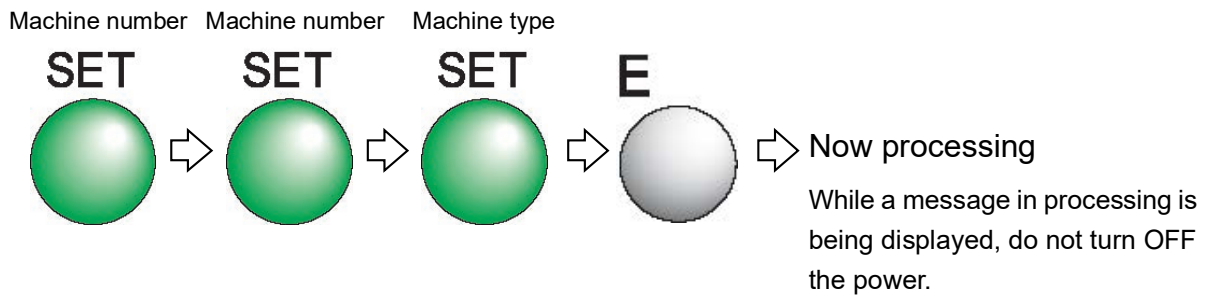
[Importance]

During normal software installation, the registered machine number and machine type are displayed, so you only need to check them. However, the default value will be displayed after replacing the operation panel, so refer to the table below and select the machine type according to the machine specifications. If you make a mistake, problems will occur.

Specification	Machine type	Controller	Software version
EN、Standard ^[*1] (Motor type ATH)	2-5D	X21	Ver. 8.00 and after
UL (Motor type ATH)	3-1A	X21	Ver. 8.00 and after

*1: Other than UL, CSA and EN specification. Asian countries including Japan

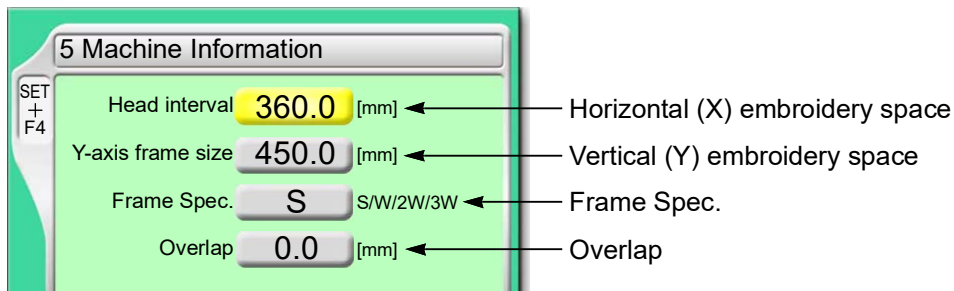
- (2) After checking machine number, machine type, press SET key, then press E key at the end. Perform the following operation even if nothing is changed.



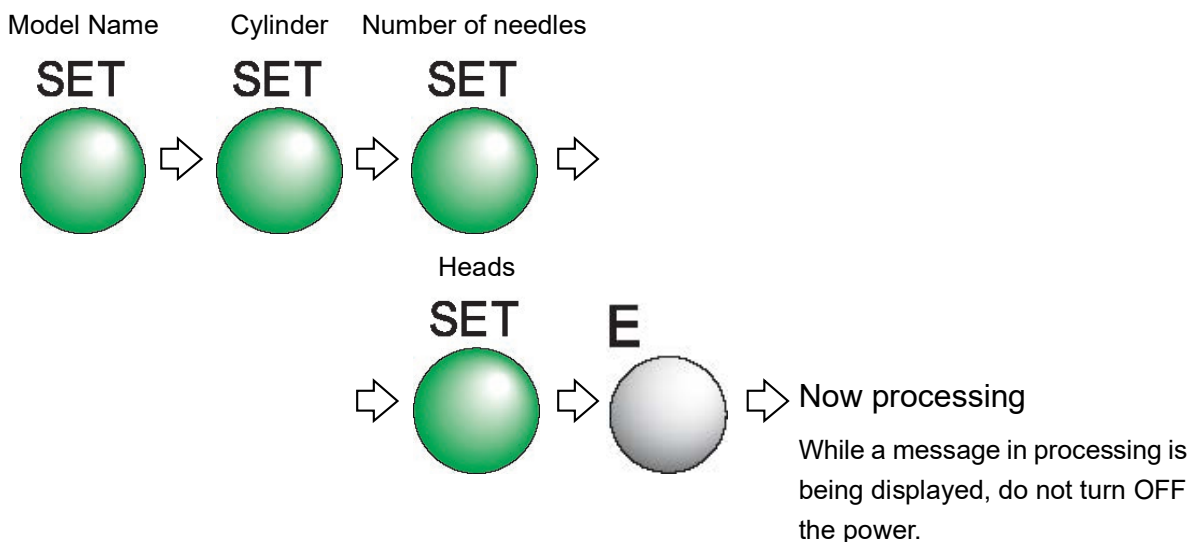
Proceed to "Machine Information" continuously.

4-1-3. Machine Information

- (1) The following screen will appear automatically.



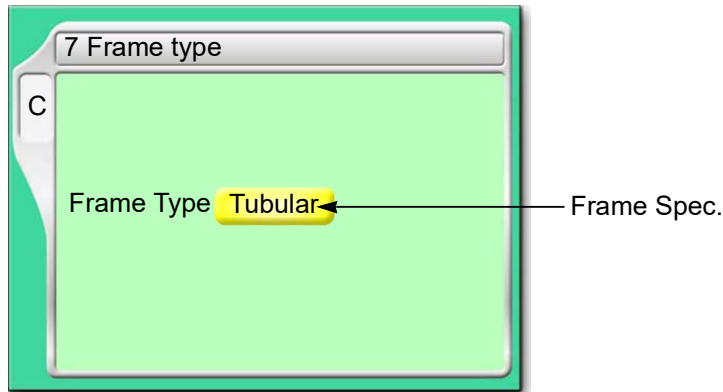
- (2) After checking head interval, Y-axis frame size, frame spec. and overlap, press SET key, then press E key at the end. Perform the following operation even if nothing is changed.



Proceed to "Frame Type" continuously.

4-1-4. Frame Type

(1) The following screen will appear automatically.

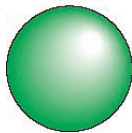


(2) After checking frame type, press SET key.

Perform the following operations even if frame type is not changed.

Frame Type

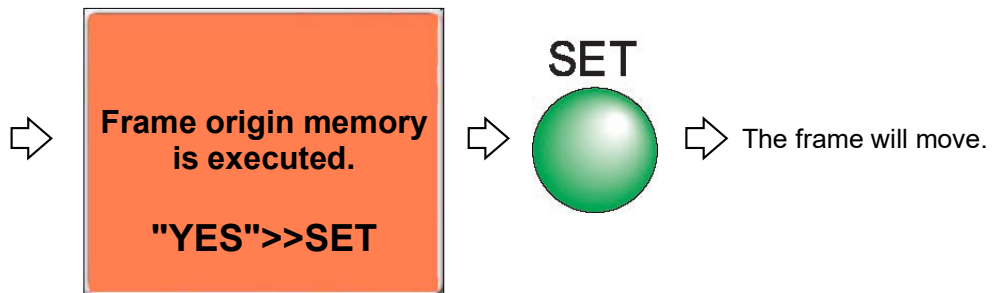
SET



⇒ Now processing

While a message in processing is being displayed, do not turn OFF the power.

The following message is not displayed in case of L-spec. machine.



5. Installation of the software (TLMX)

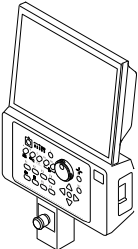
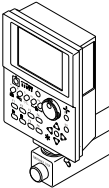
The latest software at shipment is installed in this machine. When upgrading is necessary along with improvement after that, install the software according to the following procedure. After installing the software, the machine will be in the following state.

- The password will return to "0000".


Regarding the contents and how to obtain the latest software, please ask for the distributor.

Two types (17-inch spec. and 6.5-inch spec.) are available. Do not mistake a type.

In case of 17-inch spec., X is added to the end of version No.

17-inch spec. Ver *.*.*X	6.5-inch spec. Ver *.*.*
	

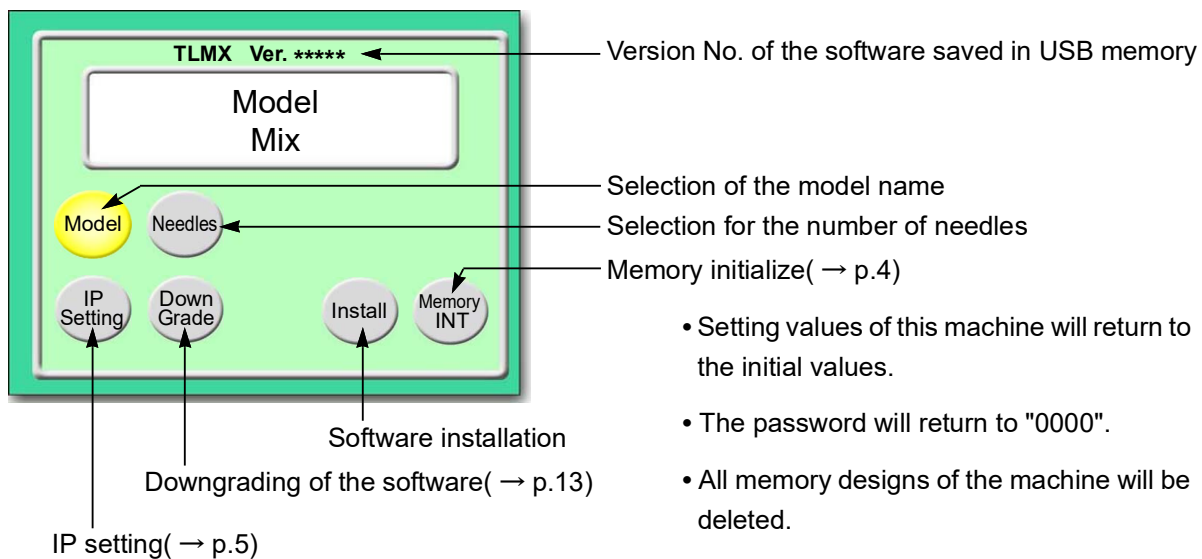
CAUTION

-  Before installing the software, back up all the memory designs of the machine. Design data could be damaged by unexpected factor.

5-1. How to install the software

- (1) Turn OFF the power.
- (2) Set the USB memory (in which the software is saved) to the USB port.

(3) Turn ON the power. The following screen will appear automatically.



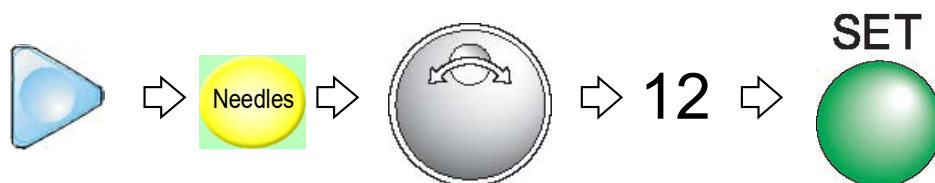
(4) Select model name.

The following is an example of TLMX mixed type.

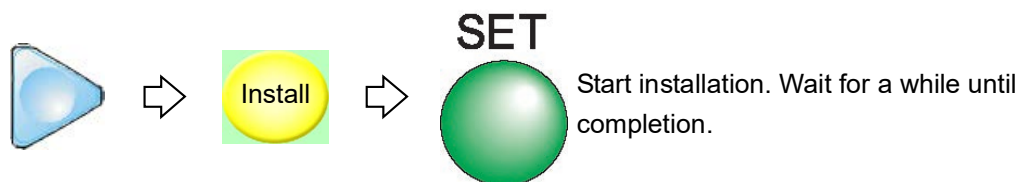


(5) Select the number of needles of the machine.

The following is an example of 12-needle



(6) To execute installation



When the following message appears, procedure is completed.

Finish

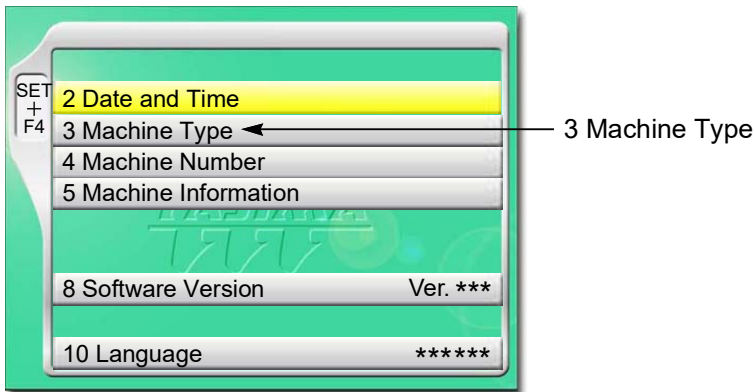
(7) Detach the USB memory.

(8) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.

Proceed to "Machine type" continuously.

5-1-1. Machine type

(1) The following screen will appear automatically. Select "3 Machine Type" and press SET key.



In case of TLMX mixed type, triple mixed type

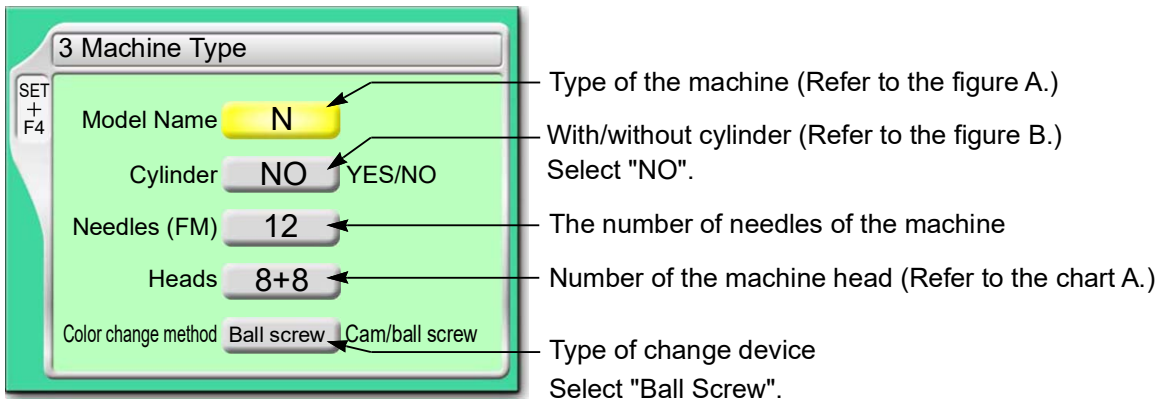


Fig. A

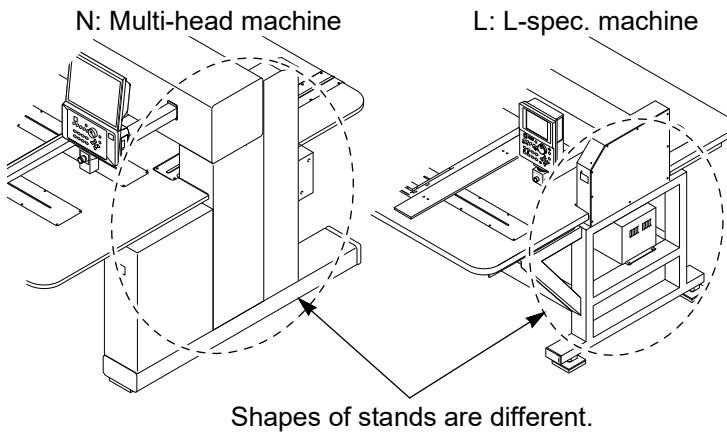


Fig. B

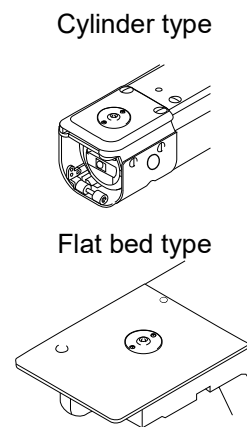
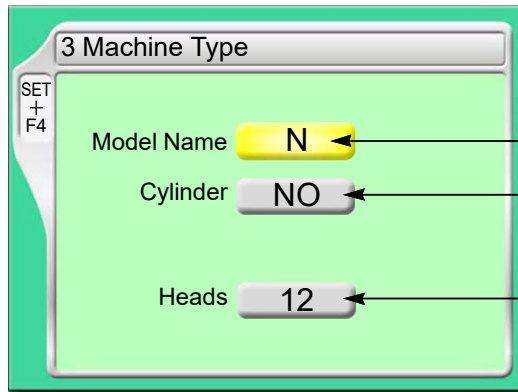


Chart A

Mixed type	Triple mixed type	100	T00

In case of TLMX100 and T00

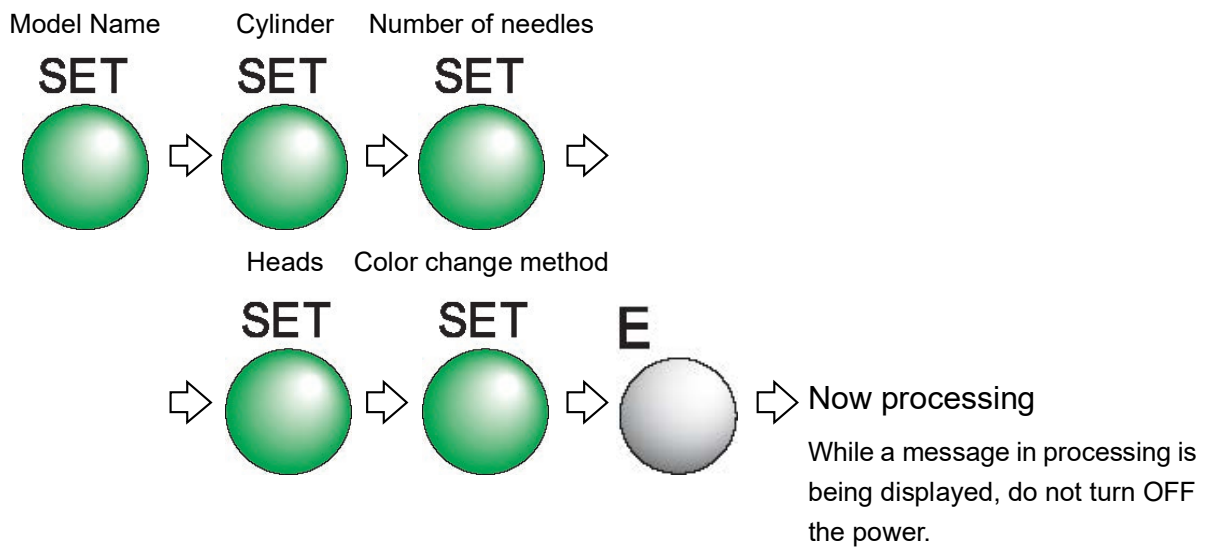


For details, refer to p.22.

Model Name **N** ← Type of the machine
 Cylinder **NO** ← With/without cylinder
 Heads **12** ← Number of the machine head

- (2)** After checking the model name, the cylinder, the number of needles, the number of heads and the color change method, press SET key, then press E key at the end. Perform the following operation even if nothing changes.

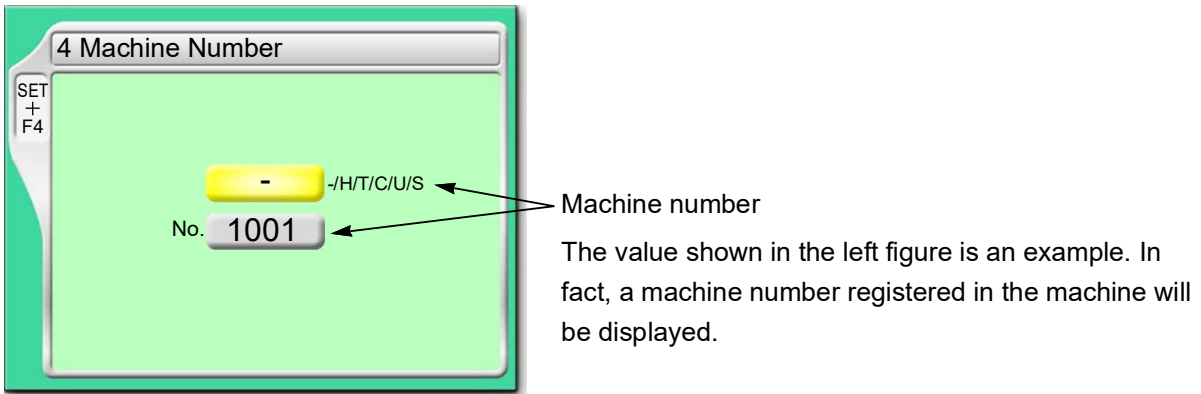
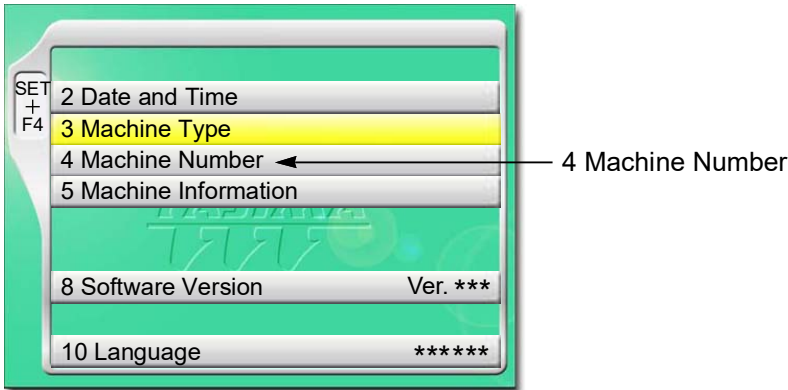
The following is an operation example of TLMX mixed type.



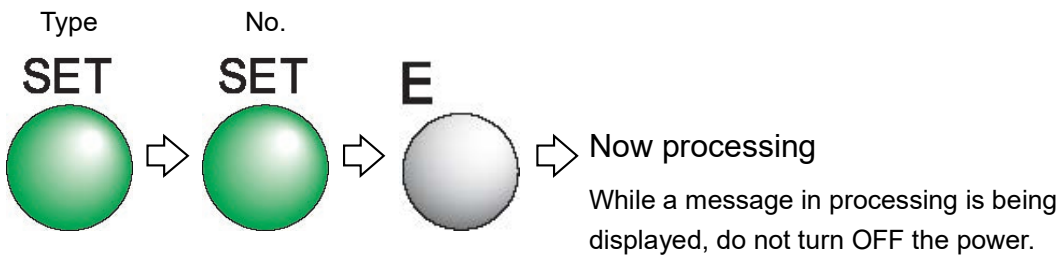
Proceed to "Machine number" continuously.

5-1-2. Machine number

(1) The following screen will appear automatically. Select "4 Machine Number" and press SET key.



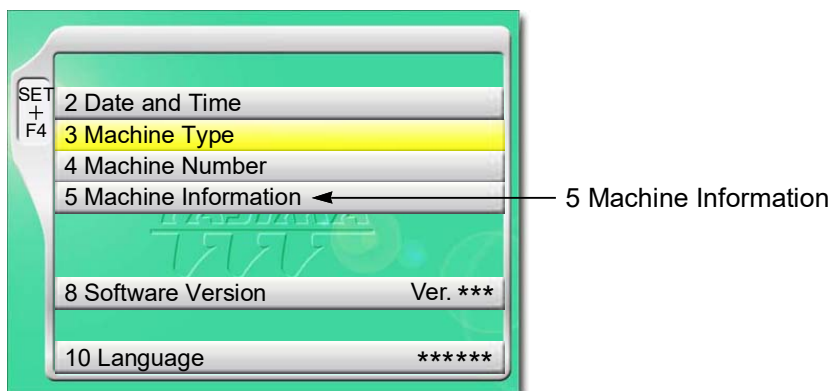
(2) After checking the machine number, press SET key, then press E key at the end. Perform the following operation even if nothing changes.



Proceed to "Machine Information" continuously.

5-1-3. Machine Information

(1) The following screen will appear automatically. Select "5 Machine Information" and press SET key.



Example of TLMX1208(680x645/290)S

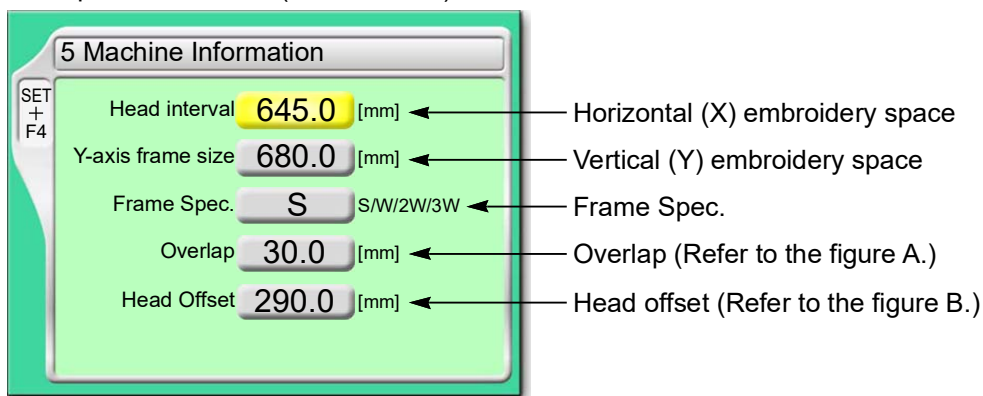


Fig. A

A part where embroidery spaces of neighbor heads overlap each other

30.0 mm in normal usage

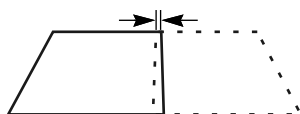
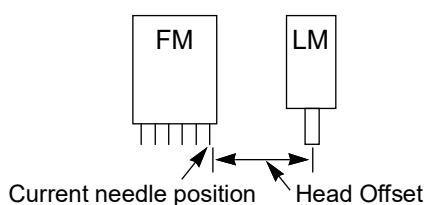


Fig. B

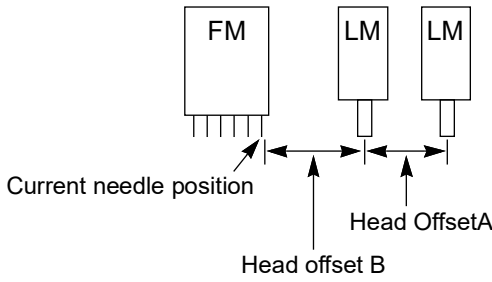
In case of TLMX mixed type



Head Offset differs depending on the number of needles.

Number of needles	Head Offset (mm)
3	155.0
6	185.0
9	230.0
12	290.0
15	325.0

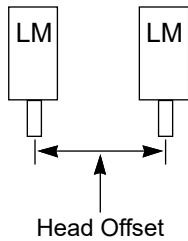
In case of TLMX triple mixed type



Head offset A should be set as an amount of 195 (mm) irrespective of the number of needles. Head offset B differs depending on the number of needles.

Number of needles	Head offset B (mm)
3	155.0
6	185.0
9	230.0
12	290.0
15	325.0

In case of TLMXT00



Head offset differs depending on the machine model.

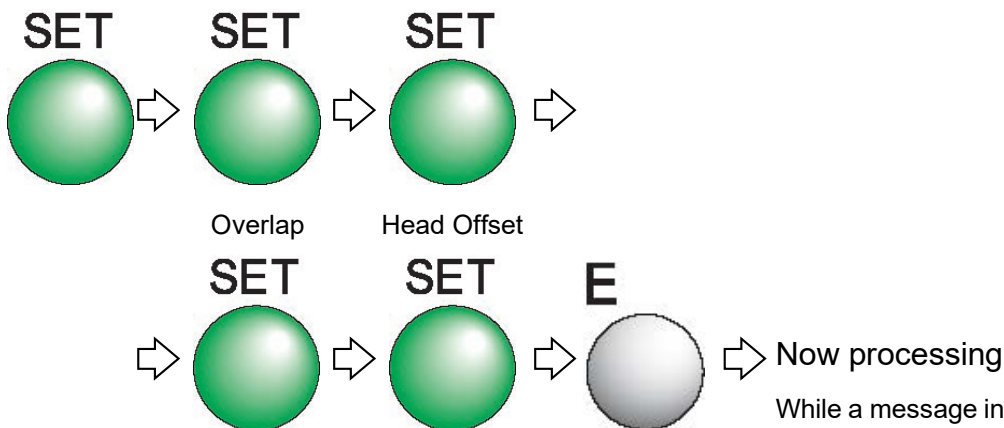
Example: TLMX-T07(1500X750/375)S



(2) After checking the head interval, Y-axis frame size, the frame spec., Overlap and Head offset, press SET key then press E key at the end. Perform the following operation even if nothing changes.

The following is an example for operation of TLMX mixed type.

Head interval Y-axis frame size Frame Spec.



While a message in processing is being displayed, do not turn OFF the power.

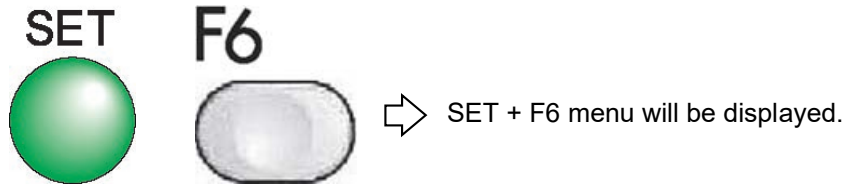
(3) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.

Proceed to "Bobbin Specification" continuously.

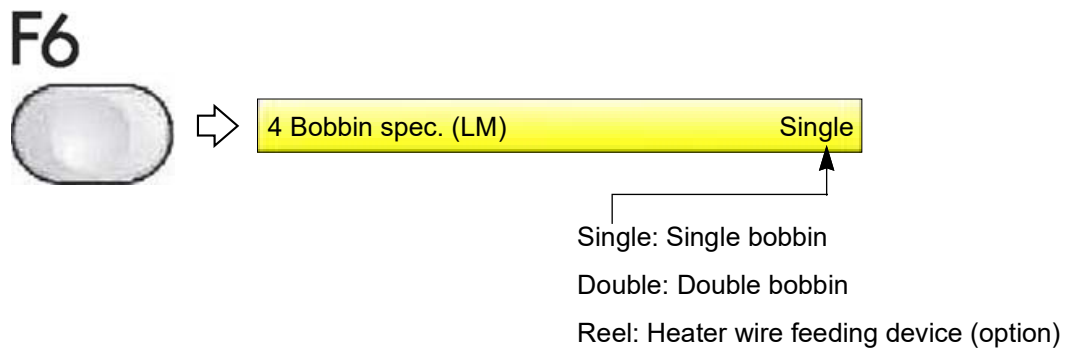
5-1-4. Bobbin Specification

(1) Set to the main screen.

(2) Press F6 key while pressing SET key.

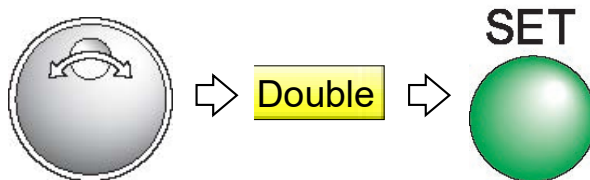


(3) Press F6 key.



(4) Select "Double".

Select the bobbin spec. according to the specification.



Proceed to "Frame Origin Memory" continuously.

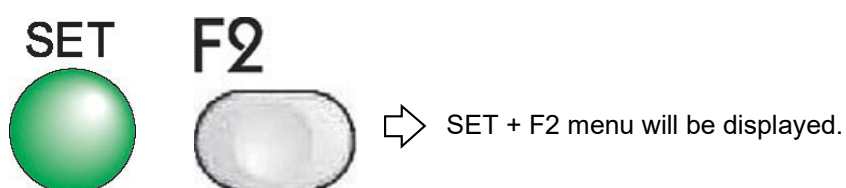
5-1-5. Frame Origin Memory

⚠ CAUTION

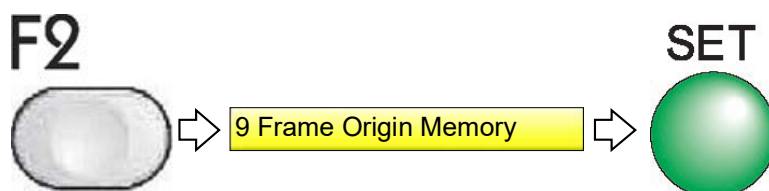
⊘ When performing this operation, do not put your hands, etc. on the table. Moving the frame could injure you.

(1) Set to the main screen.

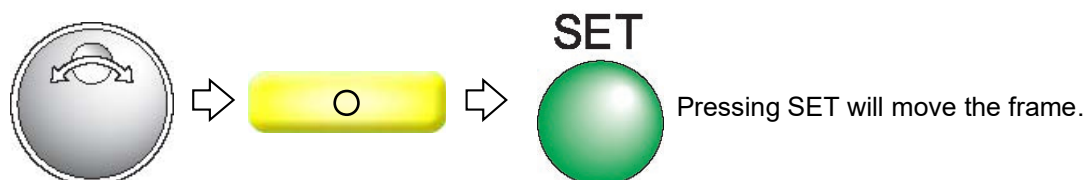
(2) Press the F2 key while pressing the SET key.



(3) Press F2 key.



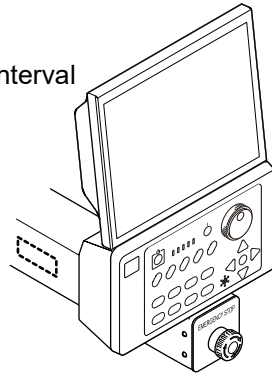
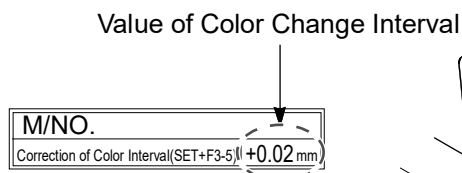
(4) Execute Frame Origin Memory.



For TLMX-100 and -T00, software installation is completed.

For TLMX-mixed type and -triple mixed type, proceed to "Correction of Color Change Interval" continuously.

5-1-6. Correction of Color Change Interval

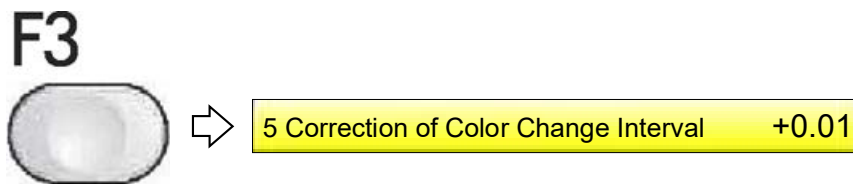


The value may be different even in the same model.

- (1) Set to the main screen.
- (2) Press F3 key while pressing SET key.



- (3) Press F3 key.



- (4) To select the value of color change interval described on the label



This completes software installation.

6. Installation of software (TCMX)

6-1. TCMX-601

The latest software at shipment is installed in this machine. When upgrading is necessary along with improvement after that, install the software according to the following procedure. After installing the software, the machine will be in the following state.

- The password will return to "0000".

Regarding the contents and how to obtain the latest software, please ask for the distributor.

⚠ CAUTION

! Before installing the software, back up all the memory designs of the machine. Design data could be damaged by unexpected factor.

- (1) Turn OFF the power.
- (2) Set the USB memory (in which the software is saved) to the USB port.
- (3) Turn ON the power. The following screen will appear automatically.

Version No. of the software saved in USB memory

IP setting(→ p.5)

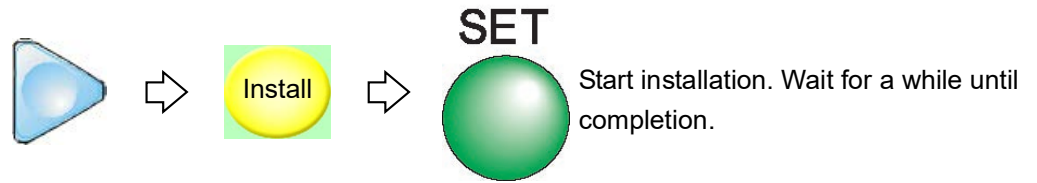
Downgrading of the software(→ p.13)

Software installation

Memory initialize(→ p.4)

- Setting values of this machine will return to the initial values.
- The password will return to "0000".
- All memory designs of the machine will be deleted.

(4) To execute installation



When the following message appears, procedure is completed.

Finish

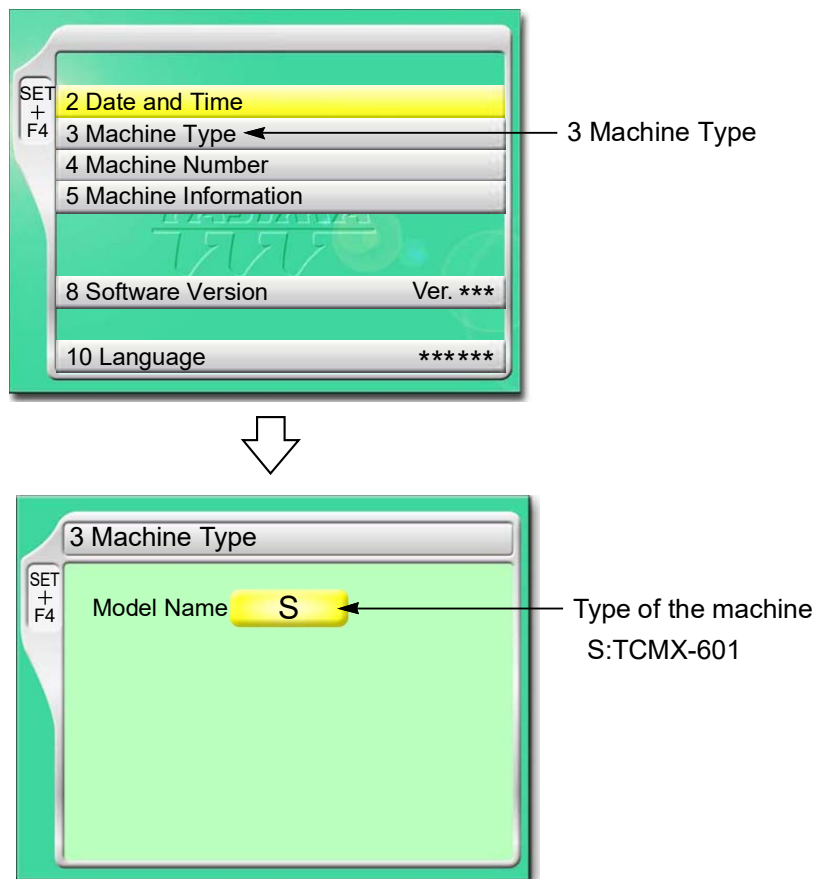
(5) Detach the USB memory.

(6) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.

Proceed to "Machine type" continuously.

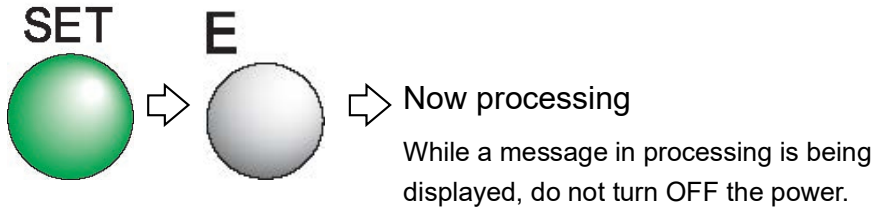
6-1-1. Machine type

(1) The following screen will appear automatically. Select "3 Machine Type" and press SET key.



- (2) After checking model name, press SET key, then press E key at the end. Perform the following operation even if nothing is changed.

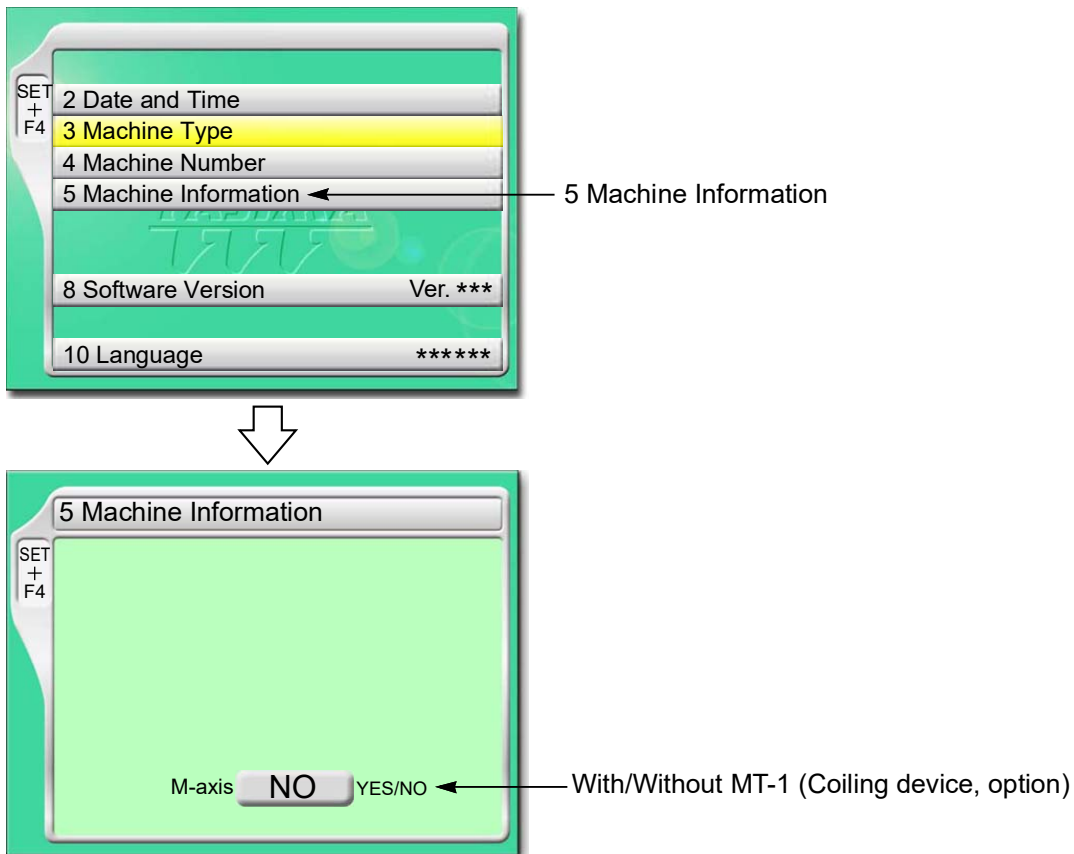
Model Name



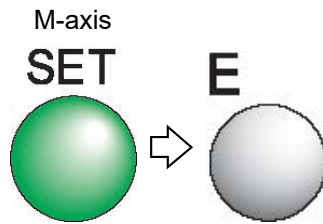
Proceed to "Machine Information" continuously.

6-1-2. Machine Information

- (1) The following screen will appear automatically. Select "5 Machine Information" and press SET key.



- (2) After checking M-axis, press SET key, then press E key. Perform the following operation even if nothing is changed.



- (3) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.

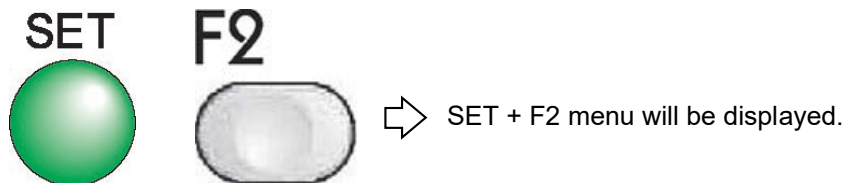
Proceed to "Frame Origin Memory" continuously.

6-1-3. Frame Origin Memory

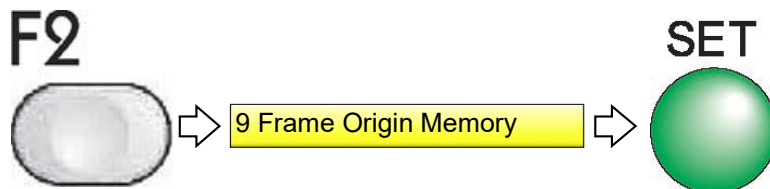

CAUTION

 When performing this operation, do not put your hands, etc. on the table. Moving the frame could injure you.

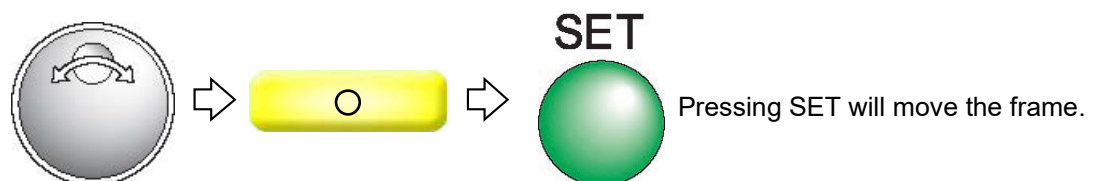
- (1) Set to the main screen.
 (2) Press the F2 key while pressing the SET key.



- (3) Press F2 key.



- (4) Execute Frame Origin Memory.



This completes software installation.

6-2. TCMX-mixed type, -600 model

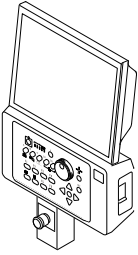
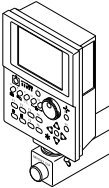
The latest software at shipment is installed in this machine. When upgrading is necessary along with improvement after that, install the software according to the following procedure. After installing the software, the machine will be in the following state.

- The password will return to "0000".


Regarding the contents and how to obtain the latest software, please ask for the distributor.

Two types (17-inch spec. and 6.5-inch spec.) are available. Do not mistake a type.

In case of 17-inch spec., X is added to the end of version No.

17-inch spec. Ver *.*.*X	6.5-inch spec. Ver *.*.*
	

CAUTION

-  Before installing the software, back up all the memory designs of the machine. Design data could be damaged by unexpected factor.

- (1) Turn OFF the power.
- (2) Set the USB memory (in which the software is saved) to the USB port.

(3) Turn ON the power. The following screen will appear automatically.

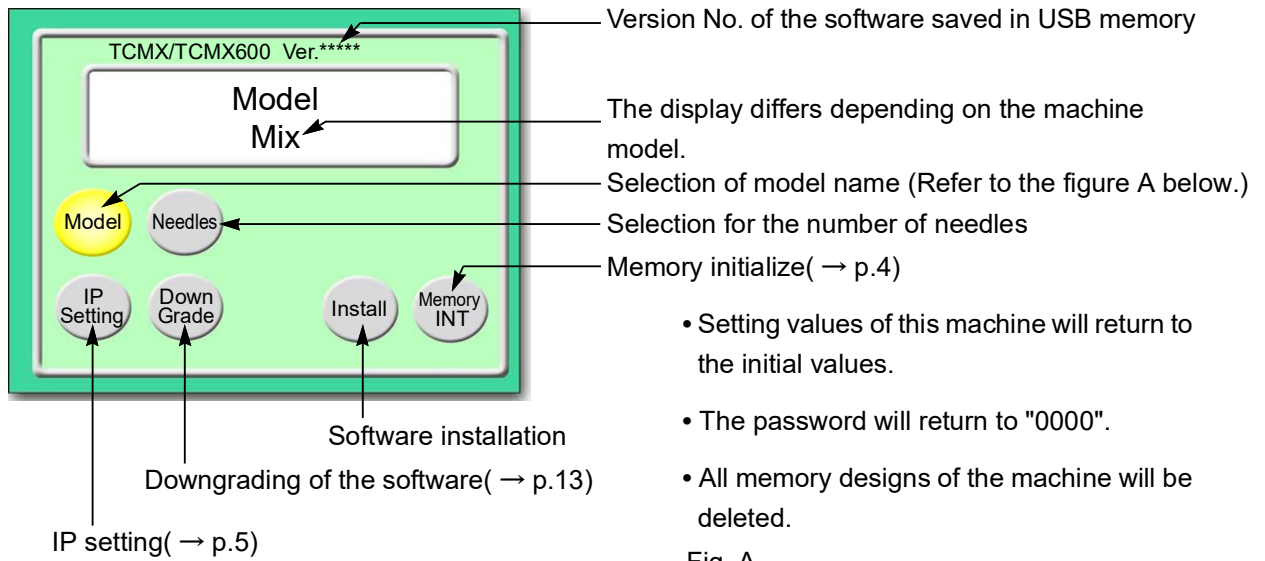
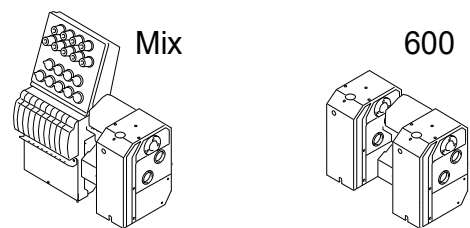
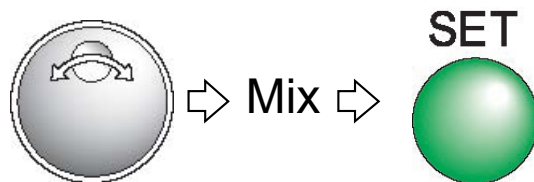


Fig. A



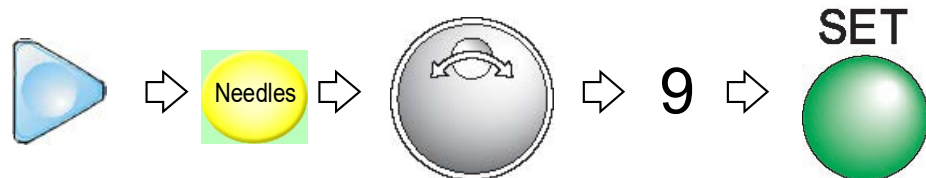
(4) Select model name.

The following is an example of TCMX-mixed type.

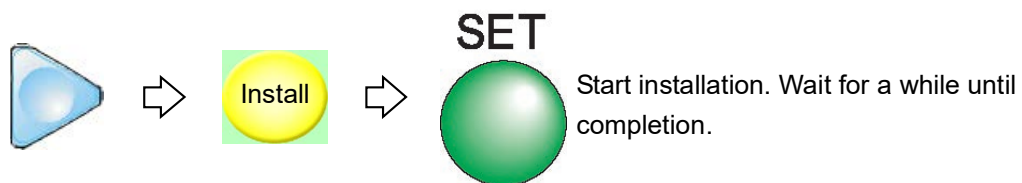


(5) Select the number of needles of the machine.

The following is an example of 9-needle.



(6) To execute installation



When the following message appears, procedure is completed.

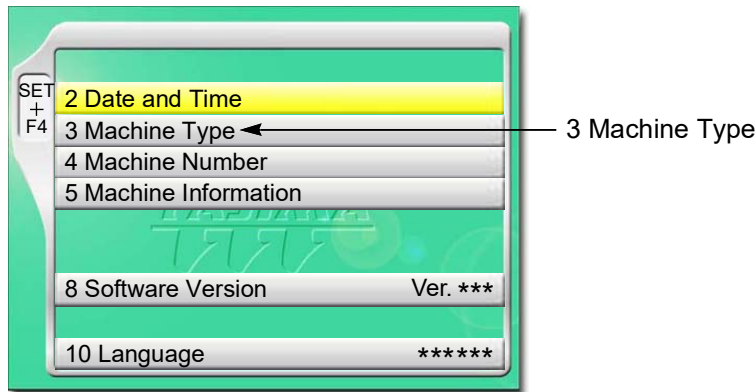
Finish

(7) Detach the USB memory.

(8) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.

6-2-1. Machine type

(1) The following screen will appear automatically. Select "3 Machine Type" and press SET key.



In case of TCMX-mixed type model

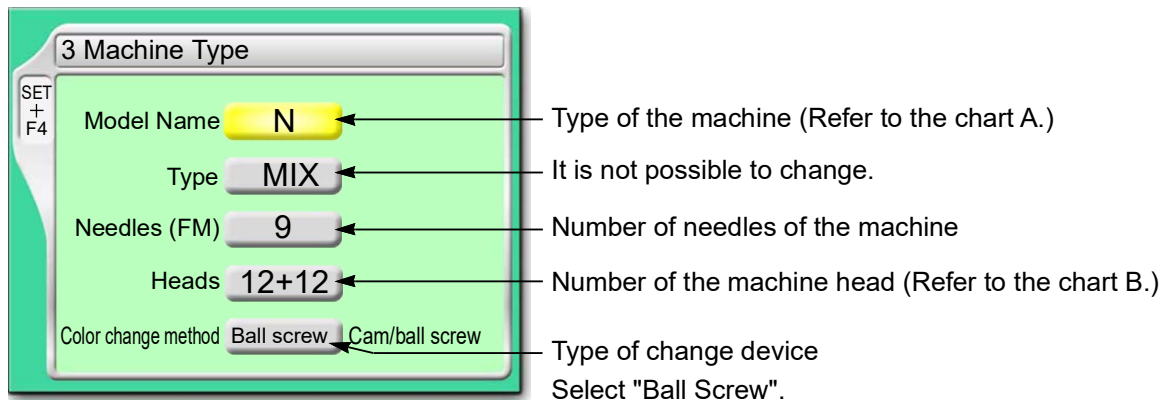


Chart A

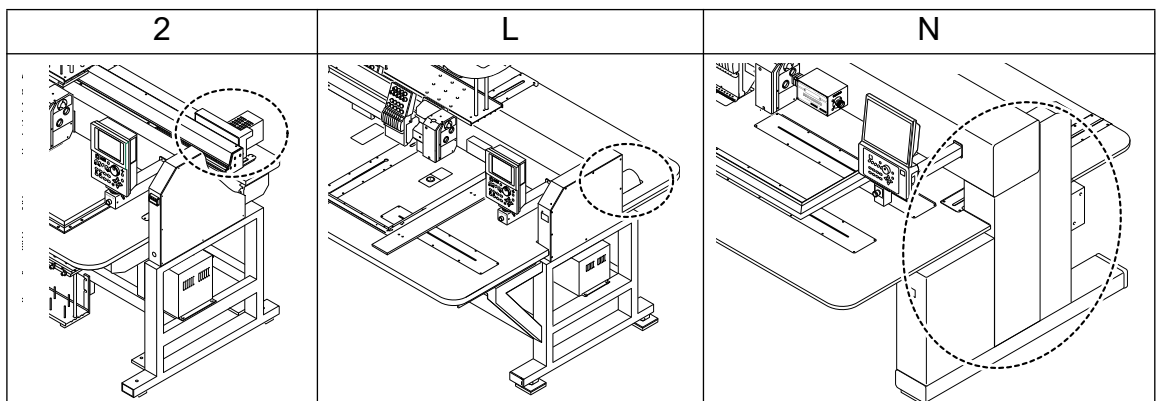
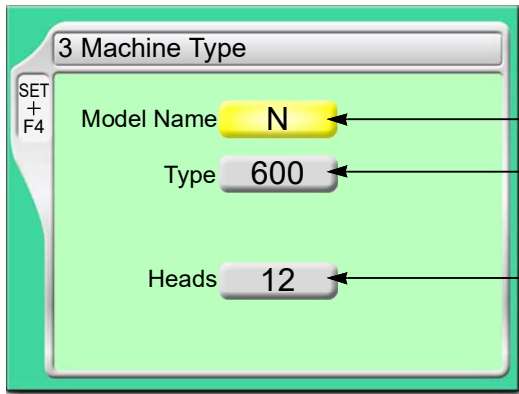


Chart B

Mixed type	600
<p>CM head</p> <p>↓</p> <p>12+12</p> <p>↑</p> <p>FM head</p>	<p>CM head</p> <p>↓</p> <p>12</p>

In case of TCMX-600



For details, refer to p.37.

Type of the machine

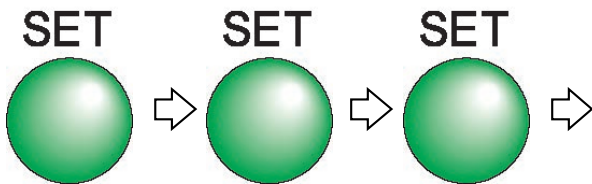
It is not possible to change.

Number of the machine head

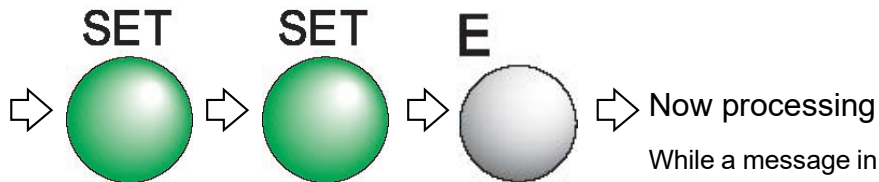
(2) After checking model name, type, needles, heads and color change method, press SET key, then press E key at the end. Perform the following operation even if nothing is changed.

The following is an operation example of TCMX-mixed type.

Model Name Model name Number of needles



Heads Color change method



Now processing

While a message in processing is being displayed, do not turn OFF the power.

Proceed to "Machine Information" continuously.

6-2-2. Machine Information

(1) The following screen will appear automatically. Select "5 Machine Information" and press SET key.

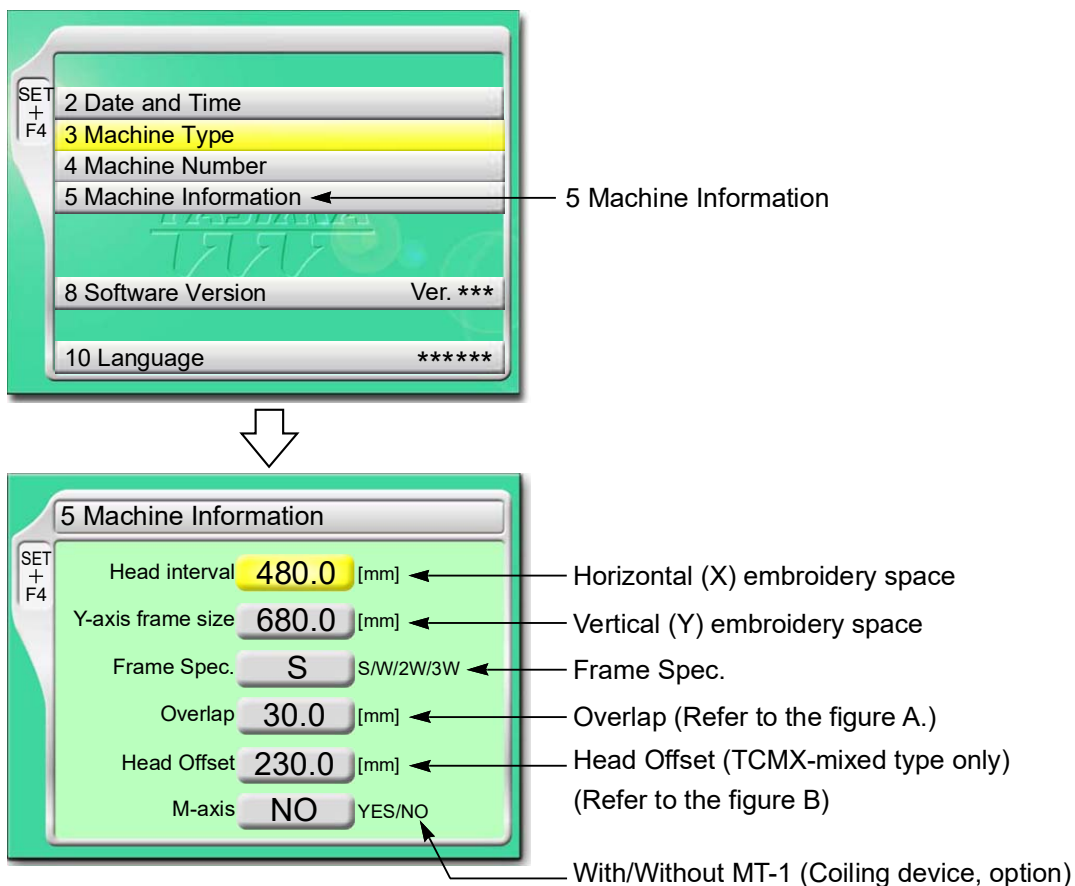


Fig. A

A part where embroidery spaces of neighbor heads overlap each other

30.0 mm in normal usage

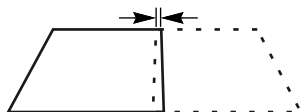
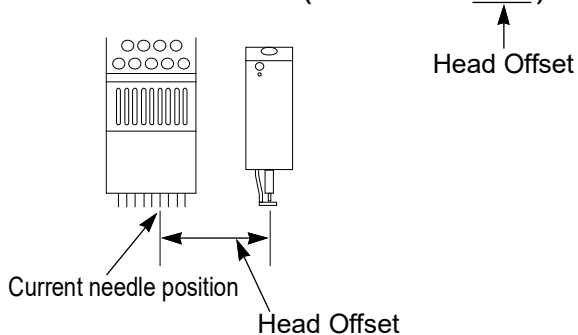


Fig. B

TCMX-60912 (680X480/230)S



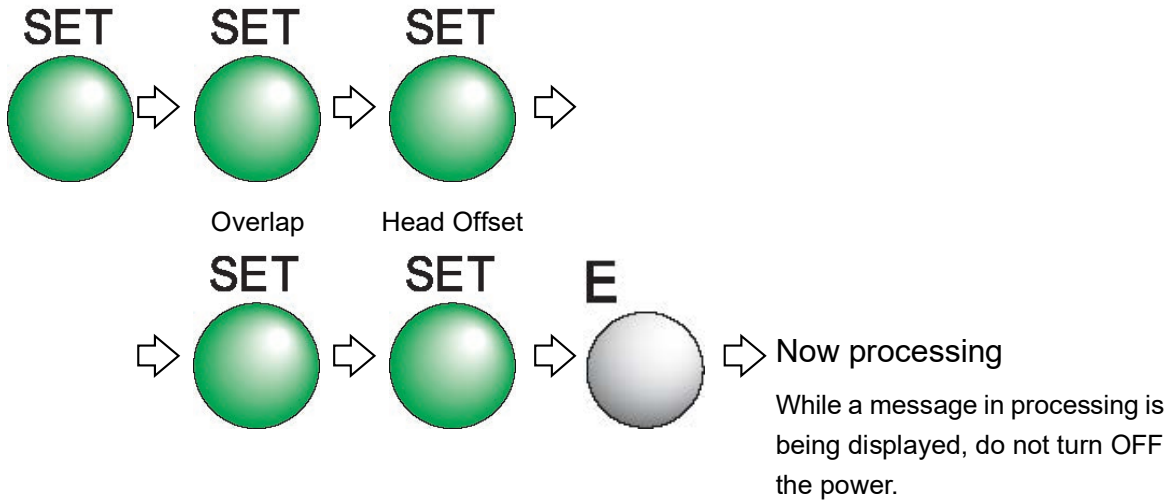
Head Offset differs depending on the number of needles.

Number of needles	Head Offset (mm)
6	195.0
9	230.0
12	275.0

- (2) After checking the head interval, Y-axis frame size, the frame spec., Overlap and Head offset, press SET key then press E key at the end. Perform the following operation even if nothing changes.

The following is an operation example of TCMX-mixed type.

Head interval Y-axis frame size Frame Spec.



- (3) Turn OFF/ON the power. When turning OFF/ON the power, wait for 5 seconds or more.

Proceed to "Frame Origin Memory" continuously.

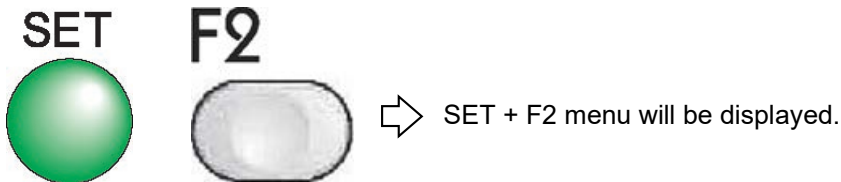
6-2-3. Frame Origin Memory


CAUTION

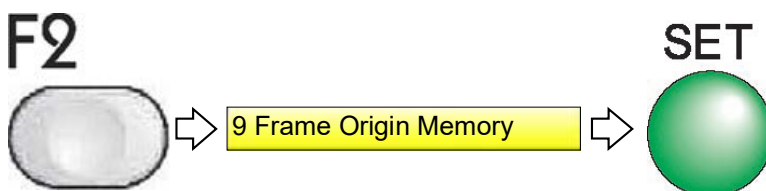
 When performing this operation, do not put your hands, etc. on the table. Moving the frame could injure you.

- (1) Set to the main screen.

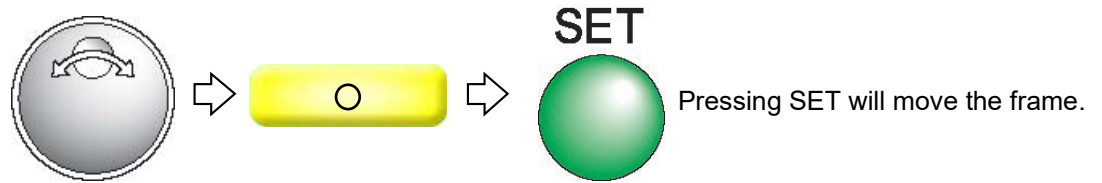
- (2) Press the F2 key while pressing the SET key.



- (3) Press F2 key.



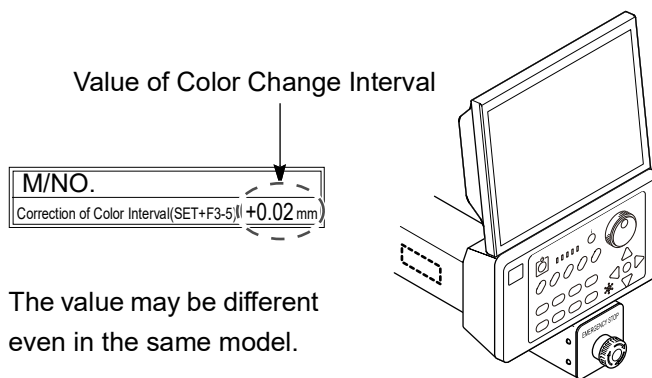
(4) Execute Frame Origin Memory.



For TCMX-600, installation of the software is completed.

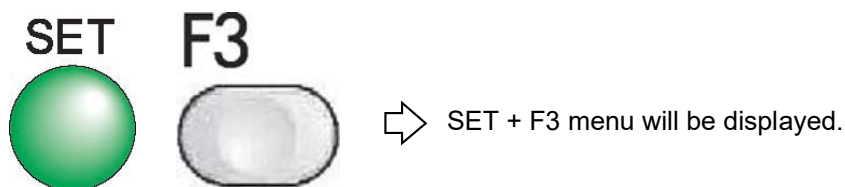
For TCMX-mixed type, proceed to "Correction of Color Change Interval (TCMX-mixed type only)" continuously.

6-2-4. Correction of Color Change Interval (TCMX-mixed type only)

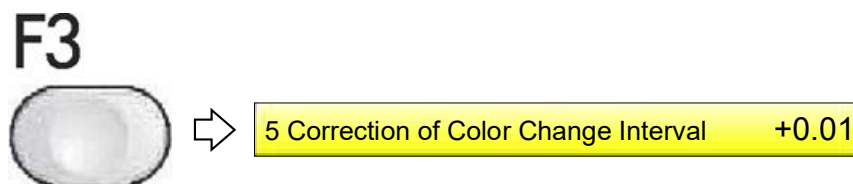


(1) Set to the main screen.

(2) Press F3 key while pressing SET key.



(3) Press F3 key.



(4) To select the value of color change interval described on the label



This completes software installation.

1st Edition April, 2010

15th Edition August, 2024

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