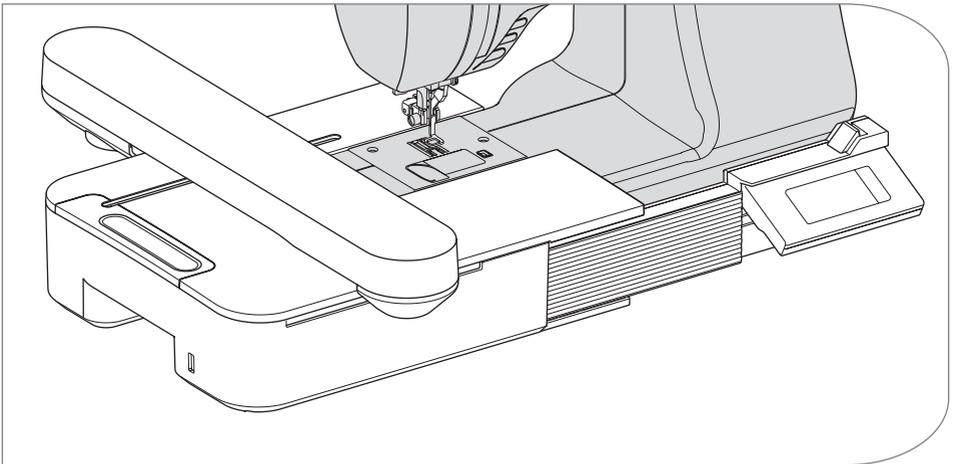


Model EU-5EB



Instruction Manual

HappyJapan

INSTRUCTION MANUAL

This embroidery unit is intended for household use.

IMPORTANT SAFETY INSTRUCTIONS

When using an embroidery unit, basic safety precautions should always be followed, including the following.

Read all instructions before using.

DANGER

- To reduce the risk of electric shock:

Never leave unattended when plugged in. Always unplug this unit and sewing machine from the electric outlet immediately after using and before cleaning.

WARNING

- To reduce the risk of burns, fire, electric shock, or injury to persons:

1. Do not allow to be used as a toy. Close attention is necessary when this unit is used by or near children.
2. Use this unit only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
3. Never operate this unit if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. Return the unit to the nearest authorized local dealer or service center for examination, repair, electrical or mechanical adjustment.
4. Keep free from the accumulation of lint, dust, and loose cloth.
5. Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
6. Do not use bent needles.
7. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
8. Switch the sewing machine off (symbol O) when making any adjustments in the needle area, such as changing needle, threading bobbin, or changing presser foot.
9. Never drop or insert any object into any opening.
10. Do not use outdoors.
11. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

-
12. To disconnect, turn the power switch of sewing machine to the off position (symbol O), then remove plug.
 13. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
 14. If the cord of this appliance is damaged, it must be replaced with a special cord by your authorized local dealer.
 15. Don't use the unit if it's wet.
 16. Keep the instruction at a suitable place that close to the unit, and hand it over if you give the unit to a third party.
 17. Do not move with attached to the sewing machine.

SAVE THESE INSTRUCTIONS

Servicing should be performed by an authorized service representative.

- The illustrations in this manual may differ from your sewing machine.
- The contents of this manual and specifications of this product are subject to change without notice as necessary.
- Do not expose the unit to sunlight directly. Also, do not keep it in a very warm or damp place.

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ABOUT THIS EMBROIDERY UNIT ---

You can enjoy beautiful embroidery sewing by only connecting this unit to the compatible sewing machine.

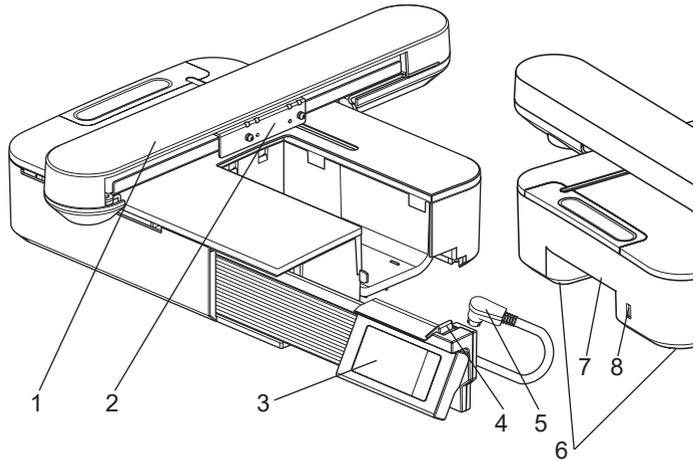
This unit include 150 embroidery pattern and 4 type letter fonts. Other embroidery data can be read by USB flash memory.

Selecting and setting are only touching touch panel on LCD screen.

MAIN PARTS

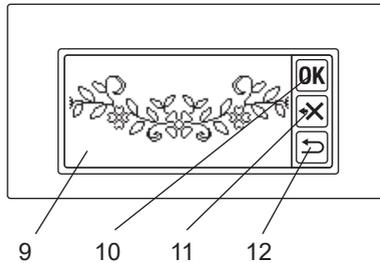
Embroidery Unit

1. Carriage
2. Embroidery Frame Holder
3. Control Box
4. Control Box Slide Lever
5. Connecting Plug
6. Adjustable Legs (X2)
7. Embroidery Unit Releasing Lever
8. USB Connector Port



Control Box

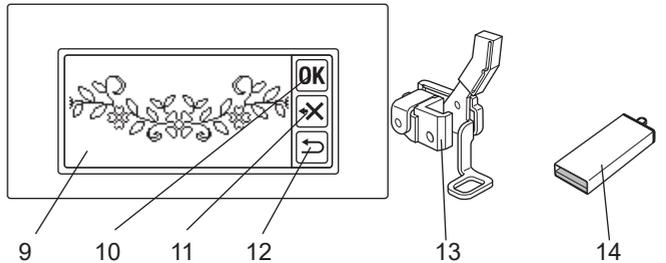
9. LCD Touch Screen
10. OK Button
11. Delete Button (✕)
12. Return Button (↶)



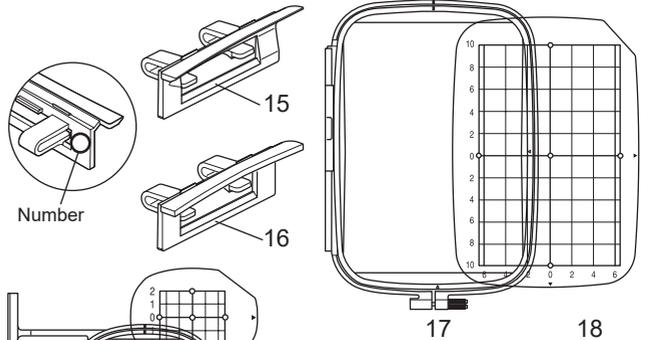
Accessories

13. Embroidery Foot
14. USB Flash Memory
15. Bridge (No.36060*)
16. Bridge (No.36061*)

*The number is indicated on the bridge.

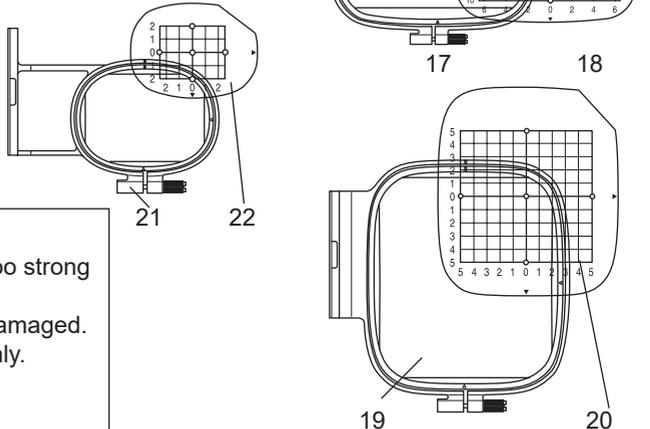


17. Embroidery Frame, Large (13 cm X 20 cm)
18. Template, Large



Option (Sold separately)

19. Embroidery Frame, Medium (10 cm X 10 cm)
20. Template, Medium
21. Embroidery Frame, Small (5 cm X 4 cm)
22. Template, Small



CAUTION:

Do not press the LCD screen too strong or do not use sharp object. Otherwise, the screen will be damaged. Touch the screen your finger only.

ATTACHING THE EMBROIDERY FOOT

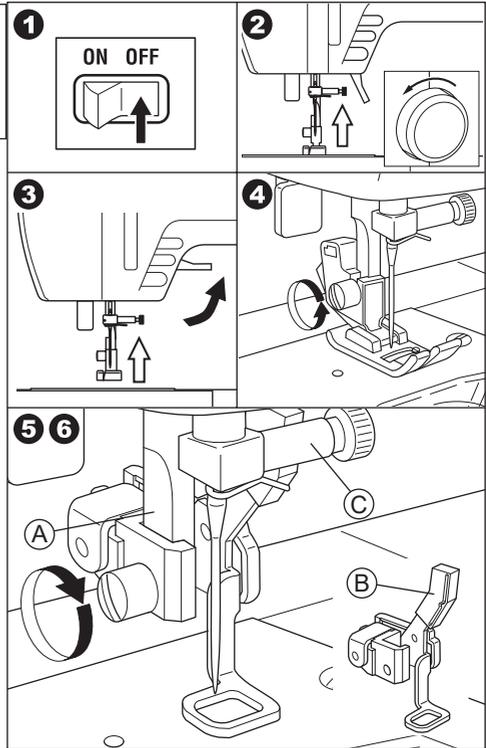
First, you must attach the embroidery foot to your sewing machine.



CAUTION: To prevent accidents.

Turn off the power switch of sewing machine before you change the presser foot.

1. Turn off the power switch of your sewing machine.
2. Turn the hand wheel toward you until the needle is at its highest point.
3. Raise the presser foot lifter.
4. Remove the presser foot and presser foot holder by removing the presser foot holder screw. (See the instruction manual of your sewing machine.)
5. Attach the embroidery foot to the presser bar (A) so that the arm (B) of foot should ride on the shaft (C) of needle clamp. (If it was difficult, raise the presser foot lifter slightly.)
6. Attach the presser foot holder screw and tighten it.



ATTACHING THE BRIDGE

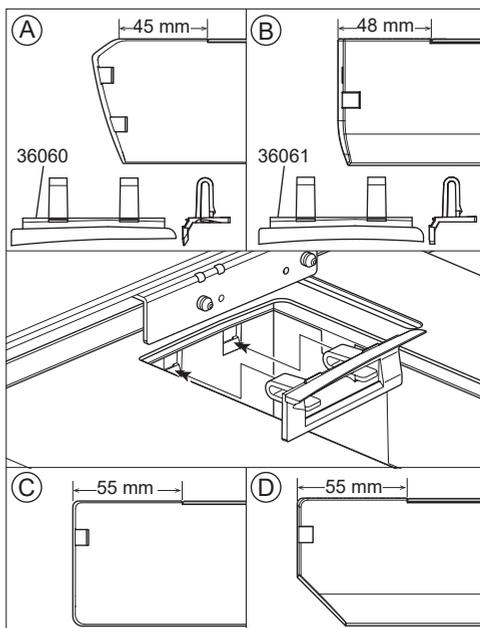
By the type of sewing machine, to attach the embroidery unit more stable, attach the bridge to the unit.

This unit has 2 types of bridges. Remove the extension table of your sewing machine and check the free arm shape.

If the arm shape is as (A), attach the bridge No.36060 to the unit by inserting the two hooks.

If the arm shape is as (B), attach the bridge No.36061 to the unit by inserting the two hooks.

If the arm shape is as (C) or (D), it does not need to attach the bridge.



ATTACHING THE EMBROIDERY UNIT

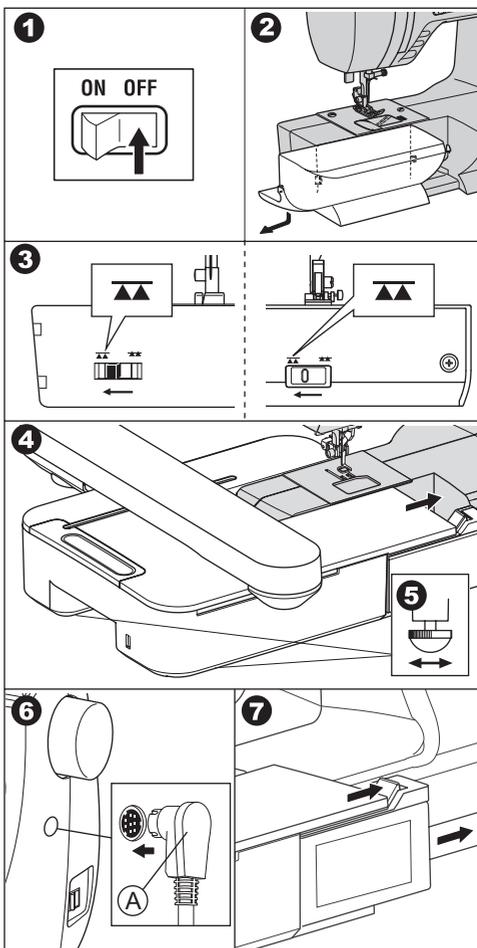


CAUTION: To prevent accidents.

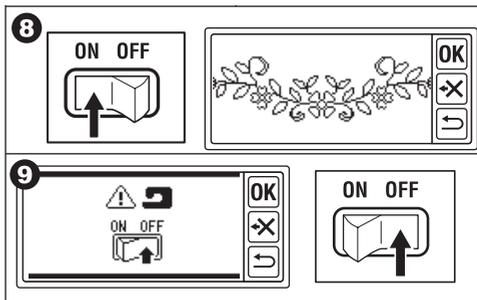
1. Turn off the power switch of sewing machine before you attach the embroidery unit to the sewing machine.
2. Do not carry the sewing machine when embroidery unit is attached. It may fall off.



1. Turn off the power switch of your sewing machine.
2. Remove the extension table from sewing machine.
3. Lower the feed dog by turning the drop feed lever to the left. If not lowered, embroidery may misform. (See the instruction manual of your sewing machine.)
4. Insert the unit into the sewing machine by sliding to the right until it will be clicked and locked to the machine.
5. To stable the unit, adjust the height of unit by turning the two adjustable legs. If sewing machine and embroidery unit are not stabled, embroidery may be misformed.
6. Connect the plug (A) of connecting cord to the port of sewing machine so that the cord hangs downward. (The connecting port is located on the right side of sewing machine.)
7. With pushing the control box side lever to the right, slide the control box to the right until it clicks stop.



8. Turn on the power switch of sewing machine.
The LCD screen of embroidery unit will indicate start up screen a few seconds and change as fig. 10.

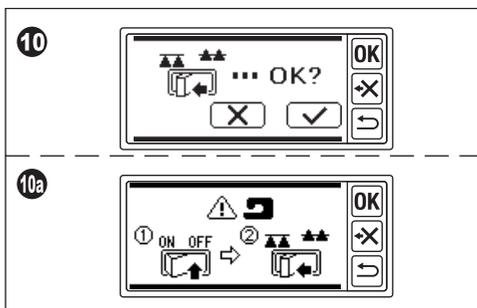


NOTE:

If other message as fig. 9 is indicated, it means error occurred. Turn off the power switch and check connections between machine and unit.

10. This message is asking that “Did you turned the drop feed lever to the left?”. As you have done it at step 3, you should touch the “” button.

(If you did not do it, touch the “” button. LCD screen will display fig. 10-a. At this time, turn off the power and remove the embroidery unit referring page 11. Turn the drop feed lever to the left and attach the unit again.)



When you touch the “” button at step 10, LCD screen will display as fig. 11 or fig. 12.

- When fig. 11 is appeared, this sewing machine is provided with dial tension system.
Turn the thread tension regulator to “-” direction slightly.
If your sewing machine thread tension regulator is fig. 11a, set it to until right end of AUTO line.
If your sewing machine thread tension regulator is fig. 11b, set it to “3”.
After setting, touch the “OK” button.
LCD screen will display as fig. 12.
- When fig 12 is appeared, not appearing fig 11, your machine has computerized auto tension system. So, machine will adjust the tension automatically. (You can adjust manually. See the instruction manual of your sewing machine.)

NOTE:

Thread tension will be changed according to the thread or fabric. See page 51 for correct thread tension.

12.This Message means that the carriage will move.

Take your hands or other objects away from the carriage and touch the “” button.

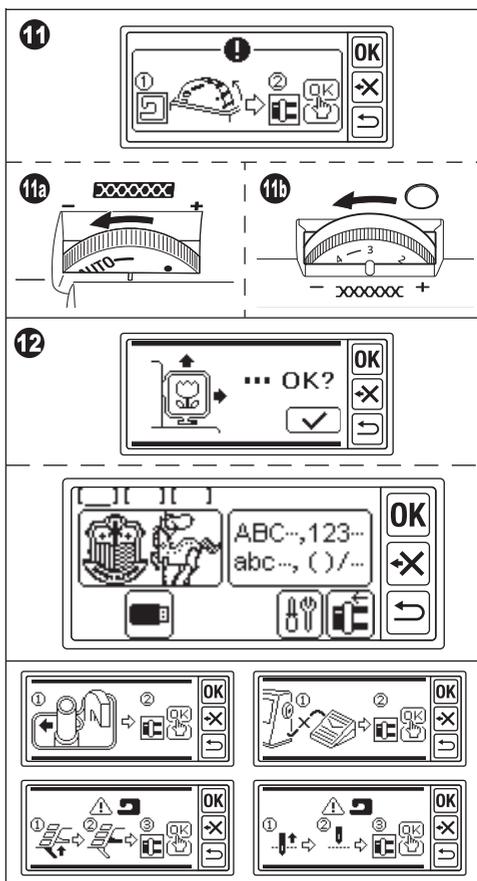
Carriage will move to starting position.
LCD screen will display the home screen.

NOTE:

At this time, if other message is appeared as illustrations, see page 52 “MESSAGE” and correct the condition of the unit.

CAUTION:

Do not move the carriage strongly nor carry it with sewing machine. It may be broken.

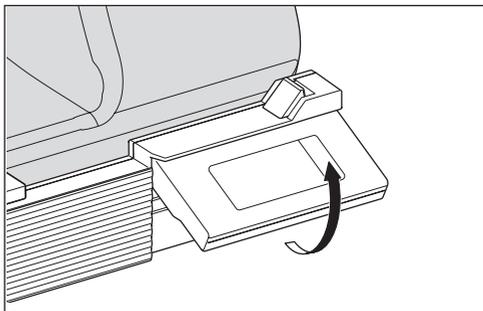


ADJUSTING THE TILT OF CONTROL BOX

Tilt the control box by pulling the bottom side of box. To store, push there.

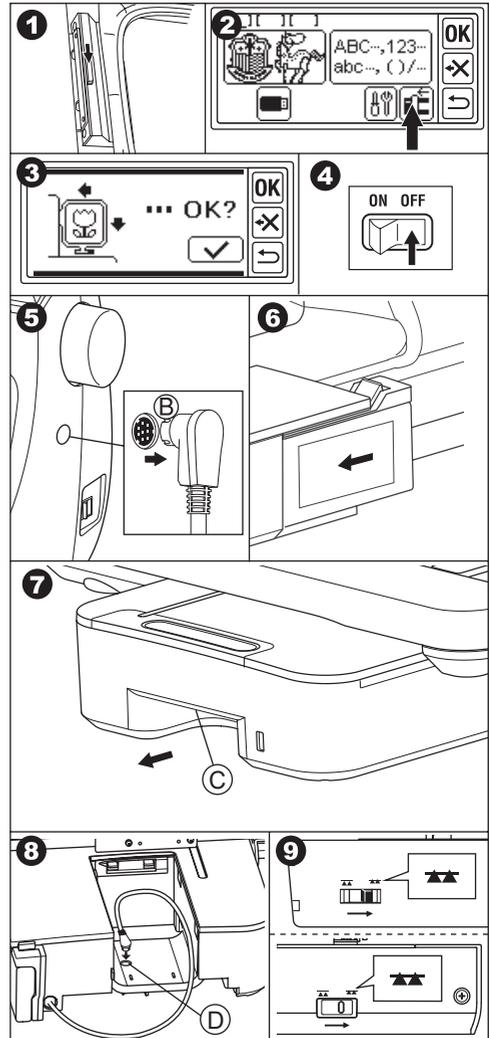
CAUTION:

Do not move the control box strongly. Otherwise, it may be broken.



REMOVING THE EMBROIDERY UNIT

1. Remove the embroidery frame from carriage if attached. (See page 16)
2. Touch the “E” button.
(If the home screen is not indicated, touch the “” button long time.)
3. As the message will appear as shown, take your hands or other objects away from carriage and touch the “✓” button. The carriage will move to storing position.
4. Turn off the power switch of sewing machine.
5. Disconnect the plug (B).
6. Close the control box and slide to the extreme left.
7. To remove the embroidery unit, pull the embroidery unit releasing lever (C) located underside of the unit and slide unit to the left.
8. Insert the plug into the storage hole (D) of unit.
9. Turn the drop feed lever to the right. Replace the extension table of sewing machine. (See the instruction manual of your sewing machine.)



SETTINGS OF THE UNIT (Home screen)

1. When you have attached the embroidery unit correctly, the home screen will appear on the LCD screen.

A. Editing Indicator

You can enter 3 patterns or letters at same time. When you turn on this unit, empty 3 folders are indicated and underline is appeared at the first folder. This underline is meaning that this folder is selected. When a pattern or letters is entered, black icon will appear in the folder. See page 19 "SETTING THE EMBROIDERY PATTERN".

B. Embroidery pattern selection button

You can select 150 embroidery patterns by touching this button. See page 17 "SELECTING EMBROIDERY PATTERN".

C. Embroidery letter selection button

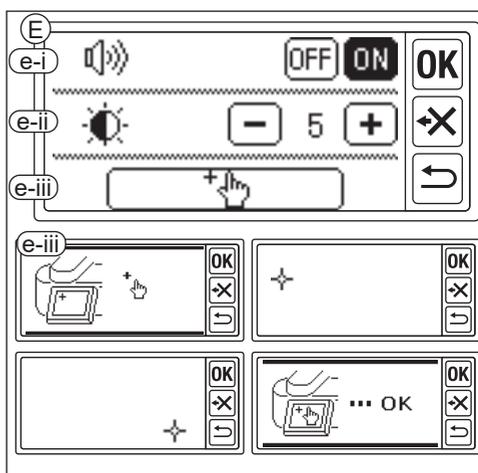
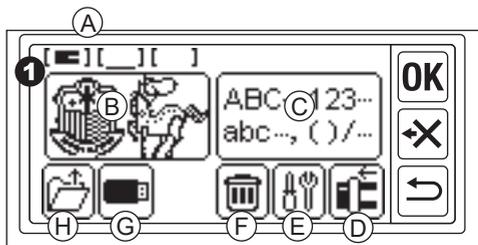
You can select alphabet letter from this button. See page 31 "SELECTING EMBROIDERY LETTERS".

D. Carriage positioning button

When you finished sewing, to store the unit, touch this button. Carriage will move to storing position. By touching again, carriage will move to starting position. See page 11 "REMOVING THE EMBROIDERY UNIT".

E. Setting button

Setting screen of this unit will appear by touching this button.



e-i Beep sound (Default setting: ON)

By touch the “OFF” button, sounds will turn off.

By touch the “ON” button, sounds will turn on.

NOTE:

This function turns off the single beep only. Multiple beeps will not turn off.

e-ii Contrast of LCD (Default setting: 5)

To be low contrast, touch the “” button.
(Blurred)

To be high contrast, touch the “” button.
(Sharp)

After completing the settings of “e-i” and “e-ii”, touch the “” button to return to the home screen. These settings will remain even when the machine is powered off.

e-iii Touch panel calibration

If you feel incompatibility between touch panel and screen, it may be needed calibrating. Touch this button. Touch “” mark indicated on the screen 2 positions. (Upper left side and lower right side). After calibrating, LCD screen will return to the home screen.

F. Delete button

(This button appears only when pattern or letters are entered.)

By touching this button, all entered pattern or letters are cleared.

G. USB button

You can save the edited pattern or letters to the USB flash memory. To read, touch this button. (See page 46, 47, 48)

H. Backup restore button

(This button is appearing only when data is remained.)

This machine remains the selected pattern or letters if power is failed. See page 50. This button will not appear ordinary.

ATTACHING THE EMBROIDERY FRAME

PREPARING THE FABRIC, THREAD AND NEEDLE

Consult your nearest local dealer to get best result.

FABRIC

For good result, use stabilizer for embroidery.
(Stabilizer is sold on the market)

THREAD

Upper Thread:

Use spool type embroidery thread. #50 - #60.

Lower Thread:

Use #90 polyester spun thread.

NEEDLE

Use 11 / 75 home sewing machine needle.

SELECTING THE EMBROIDERY FRAME

There are 3 type embroidery frames.

A: Frame, large (Provided with this unit)

Sewing area 20 cm X 13 cm.

This frame is used for all-round type.

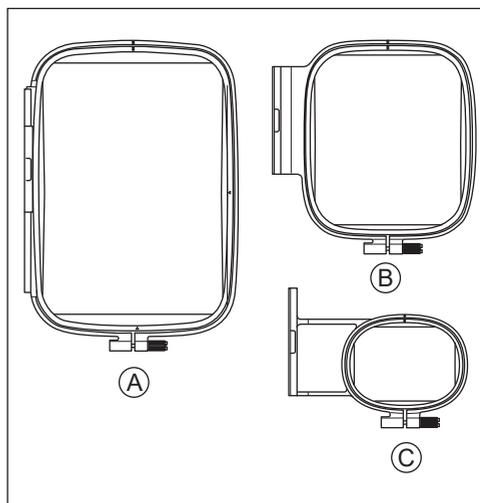
B: Frame, medium (Sold separately)

Sewing area 10 cm X 10 cm.

C: Frame, small (Sold separately)

Sewing area 4 cm X 5 cm.

This frame is used for sewing initial letters
of name or one-point embroidery pattern.

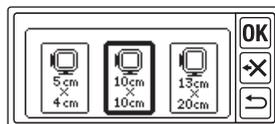


CAUTION: To prevent accidents.

At selecting pattern or letter mode, you must
select frame size to be used.

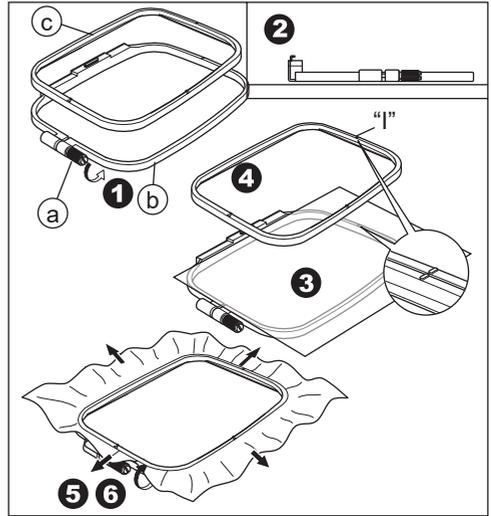
If you use smaller size frame than selected
frame, needle may hit the frame and broken.

See page 19.



ATTACHING THE FABRIC

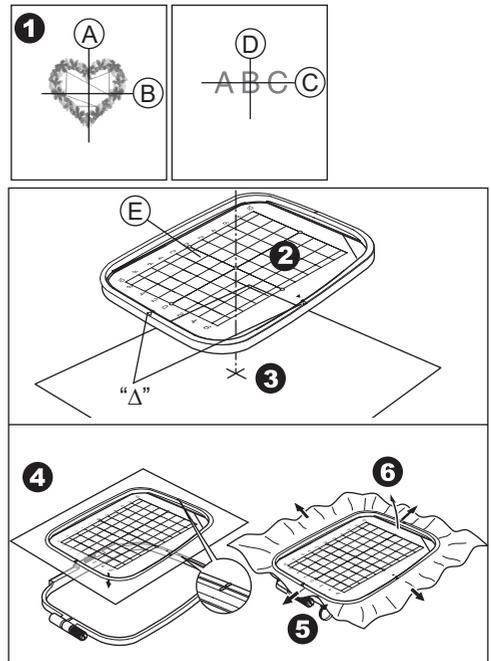
1. Loosen the adjustment screw (a) from outer frame (b) and remove the inner frame (c).
2. Put the outer frame on flat table.
3. Put the fabric on the outer frame.
4. Aligning the "I" mark on both frames, push and insert the inner frame into the fabric from upper side so that the both frames should be even height.
5. Tighten the adjusting screw lightly and pick up the slack from fabric by pulling the fabric edge.
6. Tighten the screw securely.



USING THE TEMPLATE

You can sew embroidery in a particular place by using the template.

1. Mark the line on the fabric as illustration.
Pattern: Center line (A), (B)
Letter: Center line (C), (D)
2. Place template (E) on the inner frame so that the mark "Δ" on right side and underside of template should align with the same marks on the inner frame.
3. Put the inner frame with template on the fabric so that the center line will align with the mark on fabric.
4. Holding fabric and inner frame, insert them into the outer frame.
5. Pick up the slack from fabric and tighten the adjustment screw.
6. Remove the template.

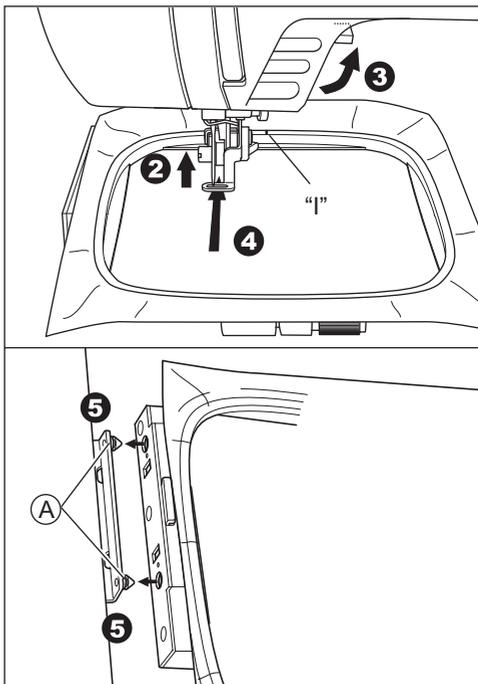


NOTE:

You can change sewing position manually.
(See page 21, 38)

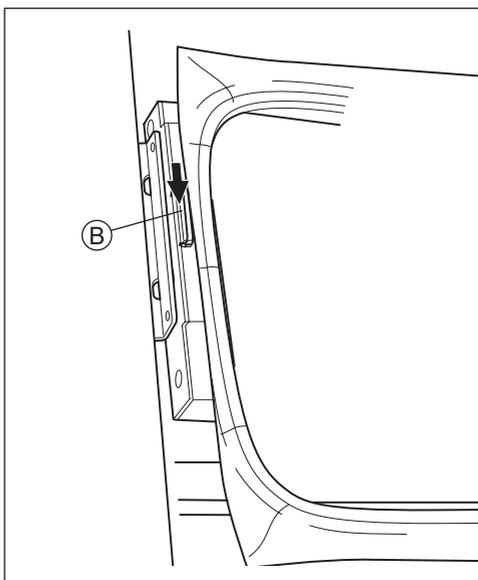
ATTACHING THE EMBROIDERY FRAME

1. Before you attach the frame to the unit, wind and set the bobbin thread to the sewing machine. (See the instruction manual of your sewing machine.)
2. Raise the needle.
3. Raise the presser foot.
4. Insert the frame under presser foot so that the “I” marks of frame come depth side.
5. Insert the two pins (A) of embroidery frame holder into the holes of frame securely.



REMOVING THE FRAME

With pushing the releasing lever (B), pull frame to the right.



SELECTING EMBROIDERY PATTERN

This embroidery unit has 150 embroidery patterns. (See page 23 “PATTERN CHART”)

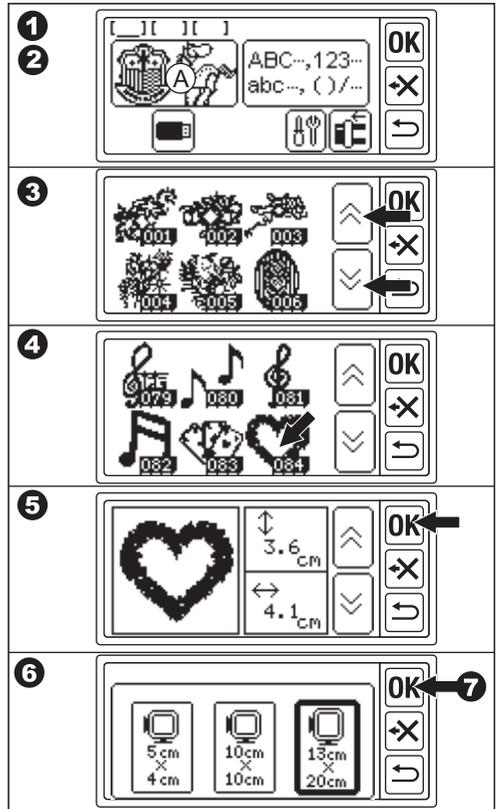
To select a pattern, follow as below steps.

1. When you attached the embroidery unit correctly, the LCD screen will display the home screen.
2. Touch embroidery pattern selection button (A).
3. First 6 patterns will appear on the LCD screen.

Touch the “” or “” button until desired pattern will appear.

4. Touch the desired pattern directly.
5. Selected pattern and size will be indicated. (At this time, you can change the pattern one number up or down by pressing scroll buttons.)
If pattern has been decided, touch the “OK” button.

6. Frame selection screen will appear. When you selected a pattern, smallest frame for selected pattern will be selected. Touch the desired frame button if you change the frame size. Selected frame button will be indicated bold line. Depending on how the pattern is select, the smallest frame may not be selected. In that case, please select the frame again manually. You cannot select the frame smaller than the embroidery pattern size.

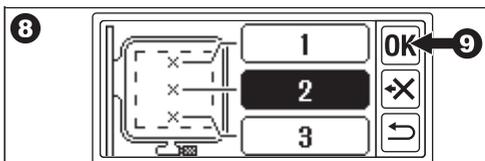


 **CAUTION: To prevent accidents.**

Set the same size frame to be used, otherwise, needle may hit the frame and cause for injury or break.

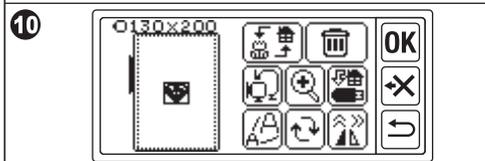
7. Touch the “OK” button.

8. LCD screen will indicate the stop position setting screen.
You can set the frame stop position at the thread changing.
Touch the button you want to stop position. Button will be highlighted.



9. Touch the “OK” button.

10. Edit screen will appear.
You can change the setting of the selected pattern. See next page.



SETTING THE EMBROIDERY PATTERN

When you have selected a desired pattern, LCD screen will display the edit screen. You can change various settings on this screen.

A. Frame size

Selected frame size is indicated. You can change the frame size by touching the “

B. Embroidery image preview

Selected frame, sewable area (dotted line) and embroidery pattern image are indicated. All settings will be reflected to this image.

C. Pattern switching button

This unit can enter 3 patterns or letters at same time. You can change the settings of each pattern or letters separately by touching this button.

When you have selected only one pattern or letters, you will hear triple beep sound although touching this button.

When you have entered two or three pattern or letters, by touching this button, select pattern or letters will be changed.

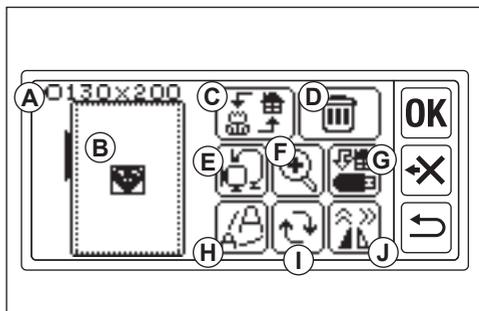
Selected pattern or letters is indicated by squared line around the image (B).

D. Delete button

By touching this button, selected pattern or letters will be deleted.

E. Frame select and Stop position change button

You can change frame size and stop position at this button. See page 17, 18.



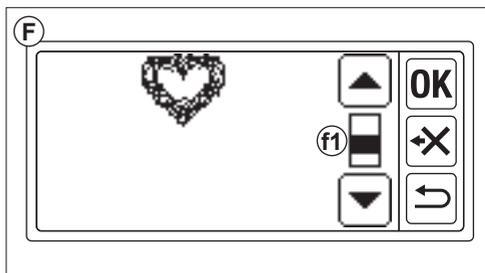
F. Magnify button

By touching this button, you can see the embroidery image closed up.

Touch the “▲” or “▼” button to change view point.

Viewing point is indicated by black square (f1).

By touching the “↶” button, you can return to the edit screen.



G. Save to USB button

You can save entered patterns or letters and each setting into the USB flash memory. See page 46.

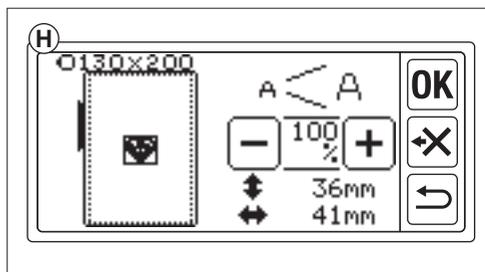
H. Scaling button

By touching this button, scaling screen will appear.

Touch “+” or “-” button to scale up or down the pattern. You can scale up or down 5 % each until +/- 20 %.

If scale size is over the sewable area, you cannot scale up.

By touching the “OK” or “↶” button, you can return to the edit screen.



I. Rotate button

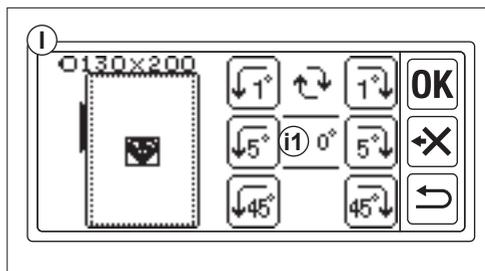
By touching this button, rotate screen will appear.

Each button will rotate the pattern 1, 5, 45 degrees clockwise or counterclockwise.

Total degree is indicated on (i1).

By the pattern or frame size, rotation may be over the frame size. At this time, triple beep will be heard and canceled rotation.

By touching the “OK” or “↶” button, you can return to the edit screen.



J. Mirror/position/trace button

By touching this button, mirror/position/trace screen will be appear. At this screen, you can move the pattern position by touching the 4 arrow buttons. (j1-4)
According to these buttons, frame will move each direction.

By touching these buttons long time, position will move larger.

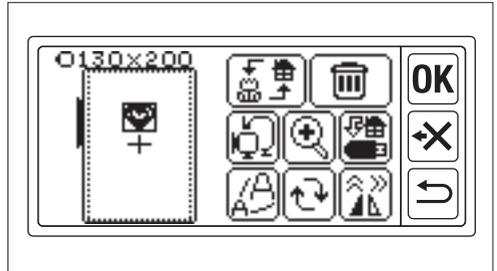
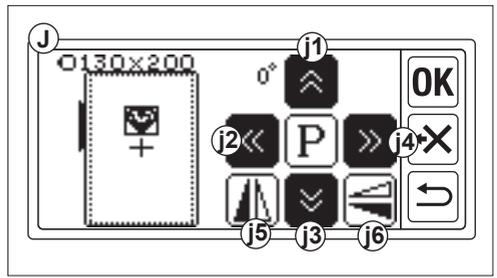
By touching the "▲" button (j5), pattern will change to mirror horizontal image.

By touching the "▢" button (j6), pattern will change to mirror vertical image.

According to mirror setting, "P" button will change and indicate mirror status.

By touching the "P" button, frame will move to trace stitching area.

By touching the "OK" or "↶" button, you can return to edit screen.



NOTE:

As selected pattern or letters will be positioned to the center of frame, when you select two or three patterns or letters, they will overlap with each other. To avoid this, you should move their position until they will not overlap.

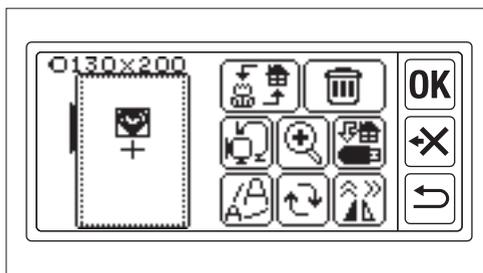
WHEN YOU HAVE COMPLETED SETTINGS

If you want to enter more pattern

Touch the "➡" button.

Home screen will appear.

Select a pattern.



If you want to enter letters

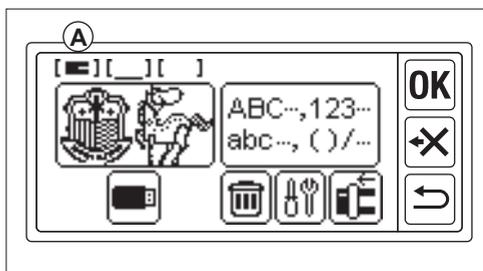
Touch the "➡" button.

Home screen will appear.

Select letters referring to page 31, 32.

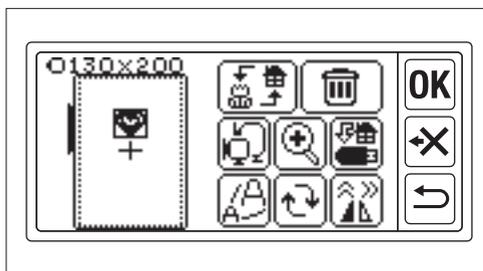
At the home screen, black icon (A) will indicate in the first folder.

This is indicating that one pattern or letters is entered.



If you want to go to the edit screen without entering other pattern or letters,

touch the "OK" button.



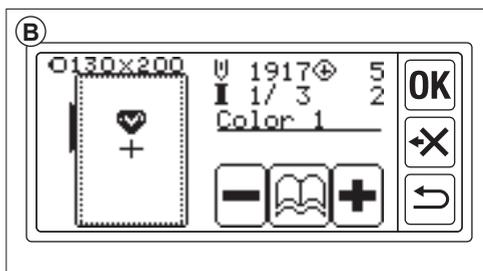
If you want to sew embroidery.

GO TO SEWING MODE

Touch the "OK" button at the edit screen.

Embroidery unit will process data for few seconds and display sewing screen (B).

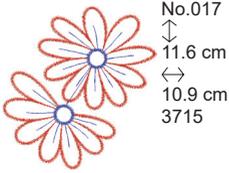
See page 42 and 43 for sewing embroidery pattern or letters.



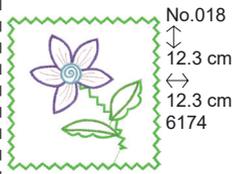
PATTERN CHART

This chart is indicating the pattern number, height, width, stitch count, thread color and sequence. The form of illustration may be slightly difference from actually sewing. Thread color is recommendation. Test sew and decide by yourself.

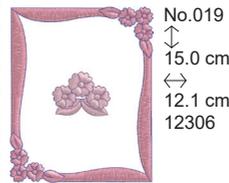
 <p>No.001 ↑↓ 9.5 cm ↔ 11.0 cm 5074</p> <p>1</p>	 <p>No.002 ↑↓ 7.4 cm ↔ 10.1 cm 7652</p> <p>1 2 3 4 5</p>	 <p>No.003 ↑↓ 8.8 cm ↔ 12.6 cm 6864</p> <p>1 2 3 4 5</p>	 <p>No.004 ↑↓ 10.4 cm ↔ 8.6 cm 4496</p> <p>1 2 3 4</p>
 <p>No.005 ↑↓ 9.5 cm ↔ 10.7 cm 3652</p> <p>1 2 3 4 5</p>	 <p>No.006 ↑↓ 11.5 cm ↔ 8.1 cm 17069</p> <p>1 2 3 4 5 6 7 8</p> <p>9 10</p>	 <p>No.007 ↑↓ 11.4 cm ↔ 8.1 cm 16316</p> <p>1 2 3 4 5 6 7 8</p> <p>9 10</p>	 <p>No.008 ↑↓ 13.9 cm ↔ 11.7 cm 9941</p> <p>1 2 3 4</p>
 <p>No.009 ↑↓ 12.4 cm ↔ 9.3 cm 4931</p> <p>1</p>	 <p>No.010 ↑↓ 14.1 cm ↔ 10.2 cm 5901</p> <p>1 2 3</p>	 <p>No.011 ↑↓ 12.7 cm ↔ 10.8 cm 6662</p> <p>1 2</p>	 <p>No.012 ↑↓ 13.3 cm ↔ 9.6 cm 7423</p> <p>1 2 3 4 5 6 7</p>
 <p>No.013 ↑↓ 12.4 cm ↔ 8.8 cm 7987</p> <p>1 2 3</p> <p>4 5 6</p>	 <p>No.014 ↑↓ 13.7 cm ↔ 9.4 cm 7547</p> <p>1 2 3 4 5</p>	 <p>No.015 ↑↓ 10.2 cm ↔ 11.1 cm 7200</p> <p>1 2 3</p>	 <p>No.016 ↑↓ 14.2 cm ↔ 10.2 cm 11623</p> <p>1 2 3 4 5 6</p> <p>7 8 9 10 11 12</p>



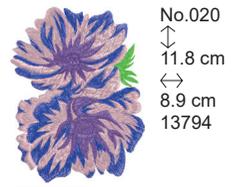
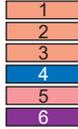
No.017
 ↓ 11.6 cm
 ↔ 10.9 cm
 3715



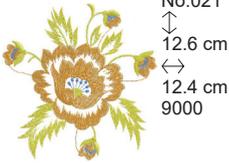
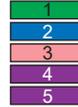
No.018
 ↓ 12.3 cm
 ↔ 12.3 cm
 6174



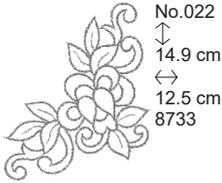
No.019
 ↓ 15.0 cm
 ↔ 12.1 cm
 12306



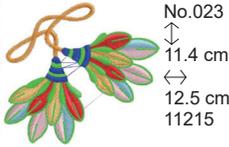
No.020
 ↓ 11.8 cm
 ↔ 8.9 cm
 13794



No.021
 ↓ 12.6 cm
 ↔ 12.4 cm
 9000



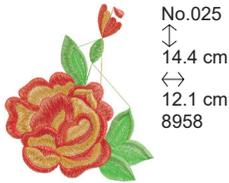
No.022
 ↓ 14.9 cm
 ↔ 12.5 cm
 8733



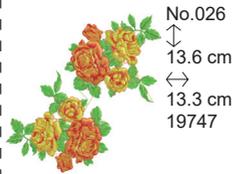
No.023
 ↓ 11.4 cm
 ↔ 12.5 cm
 11215



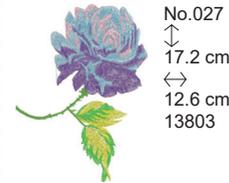
No.024
 ↓ 7.1 cm
 ↔ 12.2 cm
 4101



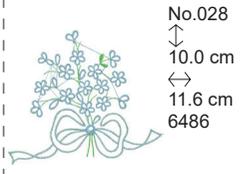
No.025
 ↓ 14.4 cm
 ↔ 12.1 cm
 8958



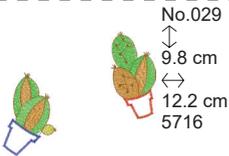
No.026
 ↓ 13.6 cm
 ↔ 13.3 cm
 19747



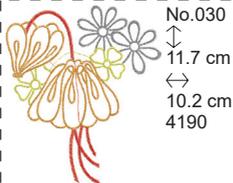
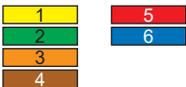
No.027
 ↓ 17.2 cm
 ↔ 12.6 cm
 13803



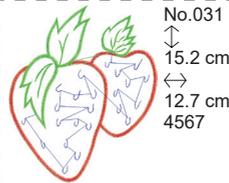
No.028
 ↓ 10.0 cm
 ↔ 11.6 cm
 6486



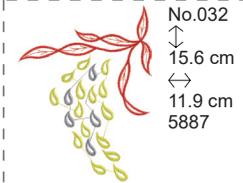
No.029
 ↓ 9.8 cm
 ↔ 12.2 cm
 5716



No.030
 ↓ 11.7 cm
 ↔ 10.2 cm
 4190



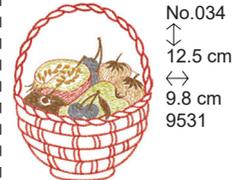
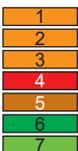
No.031
 ↓ 15.2 cm
 ↔ 12.7 cm
 4567



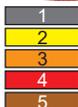
No.032
 ↓ 15.6 cm
 ↔ 11.9 cm
 5887



No.033
 ↓ 9.0 cm
 ↔ 12.0 cm
 7727



No.034
 ↓ 12.5 cm
 ↔ 9.8 cm
 9531

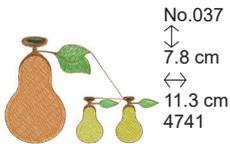


No.035
 ↓ 9.4 cm
 ↔ 10.2 cm
 5552

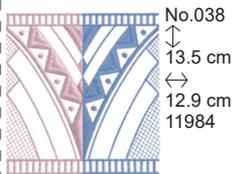
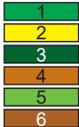


No.036
 ↓ 10.8 cm
 ↔ 12.0 cm
 1760





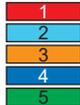
No.037
 ↓ 7.8 cm
 ↔ 11.3 cm
 4741



No.038
 ↓ 13.5 cm
 ↔ 12.9 cm
 11984



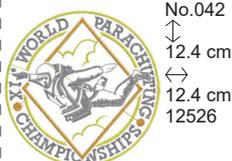
No.039
 ↓ 5.9 cm
 ↔ 10.6 cm
 6311



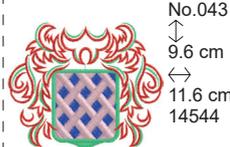
No.040
 ↓ 12.0 cm
 ↔ 8.9 cm
 13284



No.041
 ↓ 12.0 cm
 ↔ 12.1 cm
 7056



No.042
 ↓ 12.4 cm
 ↔ 12.4 cm
 12526



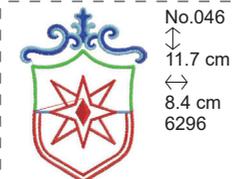
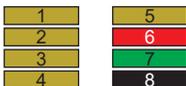
No.043
 ↓ 9.6 cm
 ↔ 11.6 cm
 14544



No.044
 ↓ 14.5 cm
 ↔ 10.2 cm
 24274



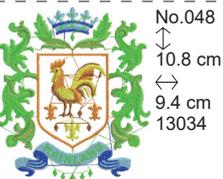
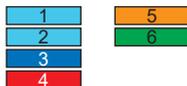
No.045
 ↓ 7.4 cm
 ↔ 11.0 cm
 12052



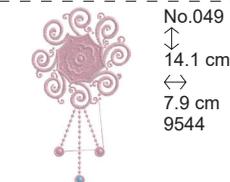
No.046
 ↓ 11.7 cm
 ↔ 8.4 cm
 6296



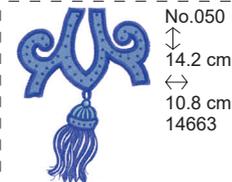
No.047
 ↓ 10.8 cm
 ↔ 10.3 cm
 11298



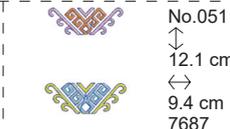
No.048
 ↓ 10.8 cm
 ↔ 9.4 cm
 13034



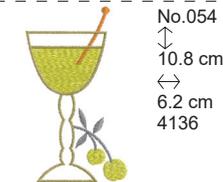
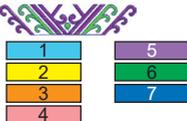
No.049
 ↓ 14.1 cm
 ↔ 7.9 cm
 9544



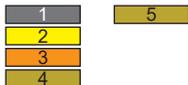
No.050
 ↓ 14.2 cm
 ↔ 10.8 cm
 14663



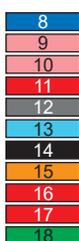
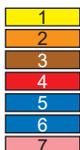
No.051
 ↓ 12.1 cm
 ↔ 9.4 cm
 7687



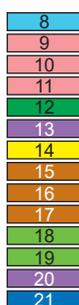
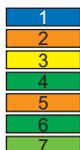
No.054
 ↓ 10.8 cm
 ↔ 6.2 cm
 4136



No.052
 ↓ 15.7 cm
 ↔ 11.2 cm
 8122



No.053
 ↓ 15.7 cm
 ↔ 10.9 cm
 6960

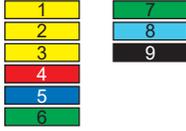




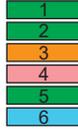
No.055
 ↓ 11.3 cm
 ↔ 11.2 cm
 8002



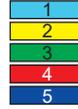
No.056
 ↓ 11.4 cm
 ↔ 11.1 cm
 8311



No.057
 ↓ 10.9 cm
 ↔ 9.1 cm
 6270



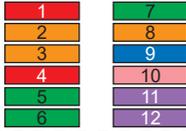
No.058
 ↓ 8.7 cm
 ↔ 9.9 cm
 11287



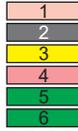
No.059
 ↓ 11.9 cm
 ↔ 11.6 cm
 7187



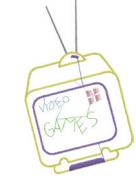
No.060
 ↓ 10.0 cm
 ↔ 11.0 cm
 7296



No.061
 ↓ 15.1 cm
 ↔ 12.2 cm
 8717



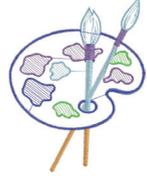
No.062
 ↓ 10.8 cm
 ↔ 10.4 cm
 8243



No.063
 ↓ 16.2 cm
 ↔ 9.9 cm
 4464



No.064
 ↓ 10.7 cm
 ↔ 12.8 cm
 8719



No.065
 ↓ 16.8 cm
 ↔ 12.9 cm
 6069



No.066
 ↓ 11.1 cm
 ↔ 11.2 cm
 6786



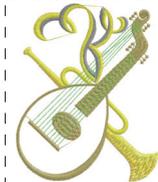
No.067
 ↓ 11.4 cm
 ↔ 10.6 cm
 4807



No.068
 ↓ 5.7 cm
 ↔ 10.5 cm
 7466



No.069
 ↓ 7.1 cm
 ↔ 11.8 cm
 11170



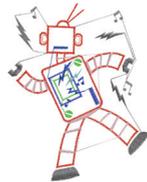
No.070
 ↓ 14.6 cm
 ↔ 11.7 cm
 13195



No.071
 ↓ 15.0 cm
 ↔ 12.8 cm
 12895



No.072
 ↓ 17.1 cm
 ↔ 12.6 cm
 5649



No.073
 ↓ 14.9 cm
 ↔ 11.9 cm
 6630



No.074
 ↓ 10.9 cm
 ↔ 12.3 cm
 2612





No.075
 ↓ 14.4 cm
 ↔ 12.3 cm
 6957



No.076
 ↓ 4.6 cm
 ↔ 3.2 cm
 1456



No.077
 ↓ 2.1 cm
 ↔ 2.9 cm
 986



No.078
 ↓ 8.3 cm
 ↔ 7.8 cm
 9446



No.079
 ↓ 4.2 cm
 ↔ 3.0 cm
 791



No.080
 ↓ 7.5 cm
 ↔ 7.2 cm
 1063



No.081
 ↓ 9.2 cm
 ↔ 3.4 cm
 3387



No.082
 ↓ 7.3 cm
 ↔ 5.6 cm
 3314



No.083
 ↓ 5.5 cm
 ↔ 7.8 cm
 2336



No.084
 ↓ 3.6 cm
 ↔ 4.1 cm
 1973



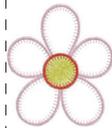
No.085
 ↓ 6.4 cm
 ↔ 4.6 cm
 1218



No.086
 ↓ 2.5 cm
 ↔ 2.9 cm
 561



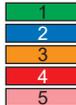
No.087
 ↓ 8.1 cm
 ↔ 3.5 cm
 4565



No.088
 ↓ 8.6 cm
 ↔ 7.6 cm
 2862



No.089
 ↓ 4.1 cm
 ↔ 4.3 cm
 2428



No.090
 ↓ 3.4 cm
 ↔ 3.6 cm
 1485



No.091
 ↓ 2.1 cm
 ↔ 3.3 cm
 791



No.092
 ↓ 7.8 cm
 ↔ 6.3 cm
 1638



No.093
 ↓ 4.3 cm
 ↔ 4.7 cm
 1550



No.094
 ↓ 4.2 cm
 ↔ 3.5 cm
 1628



No.095
 ↓ 4.9 cm
 ↔ 4.9 cm
 1574



No.096
 ↓ 6.2 cm
 ↔ 6.6 cm
 2591



No.097
 ↓ 7.2 cm
 ↔ 7.3 cm
 2847



No.098
 ↓ 3.1 cm
 ↔ 3.3 cm
 1628



No.099
 ↓ 13.3 cm
 ↔ 6.6 cm
 6882



No.100
 ↓ 2.2 cm
 ↔ 2.9 cm
 1094



No.101
 ↓ 6.7 cm
 ↔ 8.0 cm
 3647



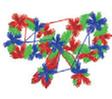
1
2
3

No.102
 ↓ 3.6 cm
 ↔ 4.2 cm
 2953



1
2
3
4

No.103
 ↓ 3.0 cm
 ↔ 4.2 cm
 2336



1
2
3

No.104
 ↓ 4.5 cm
 ↔ 4.5 cm
 1190



1

No.105
 ↓ 8.1 cm
 ↔ 9.9 cm
 3040



1

No.106
 ↓ 6.2 cm
 ↔ 7.1 cm
 11209



1
2
3
4

No.107
 ↓ 6.7 cm
 ↔ 7.6 cm
 5976



1

No.108
 ↓ 3.0 cm
 ↔ 4.5 cm
 1892



1
2

No.109
 ↓ 3.7 cm
 ↔ 2.8 cm
 933



1

No.110
 ↓ 2.4 cm
 ↔ 4.1 cm
 795



1
2

No.111
 ↓ 3.8 cm
 ↔ 3.8 cm
 2069



1
2
3
4

No.112
 ↓ 3.2 cm
 ↔ 3.1 cm
 1642



1
2
3
4
5

No.113
 ↓ 5.3 cm
 ↔ 5.2 cm
 1810



1
2
3

No.114
 ↓ 3.6 cm
 ↔ 3.2 cm
 1471



1
2
3
4

No.115
 ↓ 11.5 cm
 ↔ 9.5 cm
 7459



1
2
3
4

No.116
 ↓ 2.1 cm
 ↔ 4.8 cm
 1220



1

No.117
 ↓ 5.4 cm
 ↔ 5.0 cm
 4041



1
2
3
4

No.118
 ↓ 3.2 cm
 ↔ 2.9 cm
 1336



1

No.119
 ↓ 5.0 cm
 ↔ 5.4 cm
 2361



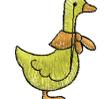
1
2

No.120
 ↓ 4.0 cm
 ↔ 9.0 cm
 3310



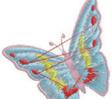
1
2
3
4

No.121
 ↓ 3.4 cm
 ↔ 2.4 cm
 1001



1
2
3
4

No.122
 ↓ 7.0 cm
 ↔ 6.4 cm
 4285



1
2
3
4

No.123
 ↓ 3.4 cm
 ↔ 3.5 cm
 704



1
2
3

No.124
 ↓ 1.7 cm
 ↔ 2.8 cm
 628



1

No.125
 ↓ 2.4 cm
 ↔ 2.7 cm
 652



1
2
3

No.126
 ↓ 3.4 cm
 ↔ 3.4 cm
 776



1

No.127
 ↓ 2.5 cm
 ↔ 2.4 cm
 560



1
2

No.128
 ↓ 2.9 cm
 ↔ 3.0 cm
 695



1

No.129
 ↓ 6.8 cm
 ↔ 5.0 cm
 1106



1
2

No.130
 ↓ 5.3 cm
 ↔ 6.9 cm
 7818



1
2
3
4
5
6

No.131
 ↓ 2.5 cm
 ↔ 2.8 cm
 865



1
2

No.132
 ↓ 3.9 cm
 ↔ 4.6 cm
 2463



1
2
3
4

No.133
 ↓ 7.2 cm
 ↔ 8.0 cm
 2732



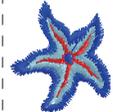
1
2

No.134
 ↓ 3.0 cm
 ↔ 7.5 cm
 4190



1
2
3
4
5
6

No.135
 ↓ 2.1 cm
 ↔ 1.9 cm
 1028



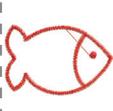
1
2
3

No.136
 ↓ 3.0 cm
 ↔ 2.4 cm
 1754



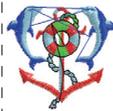
1
2
3

No.137
 ↓ 3.5 cm
 ↔ 5.4 cm
 821



1

No.138
 ↓ 4.0 cm
 ↔ 4.2 cm
 2672



1
2
3
4
5

No.139
 ↓ 2.5 cm
 ↔ 2.5 cm
 973



1
2
3

No.140
 ↓ 7.0 cm
 ↔ 6.9 cm
 3869



1
2
3
4

No.141
 ↓ 5.7 cm
 ↔ 6.4 cm
 2447



1
2
3

No.142
 ↓ 2.5 cm
 ↔ 2.8 cm
 1262



1

No.143
 ↓ 5.2 cm
 ↔ 8.6 cm
 3551



1
2
3
4
5

No.144
 ↓ 7.9 cm
 ↔ 8.5 cm
 3034



1
2
3

No.145
 ↓ 4.4 cm
 ↔ 9.1 cm
 1848



1
2

No.146
 ↓ 6.1 cm
 ↔ 7.1 cm
 3024



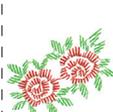
1

No.147
 ↓ 2.7 cm
 ↔ 6.8 cm
 1854



1
2
3
4
5

No.148
 ↓ 4.5 cm
 ↔ 5.3 cm
 1462



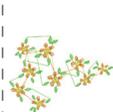
1
2

No.149
 ↓ 7.6 cm
 ↔ 5.0 cm
 2127



1
2

No.150
 ↓ 6.4 cm
 ↔ 8.5 cm
 2013



1
2
3

PATTERN CHART (LETTERS)

This unit can sew below letters.

By touching the font button, letter font will change.

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

0123456789-.,'/?!&()<>_

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

0123456789-.,'/?!&()<>_

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

0123456789-.,'/?!&()<>_

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

a b c d e f g h i j k l m n o p q r s t u v w x y z

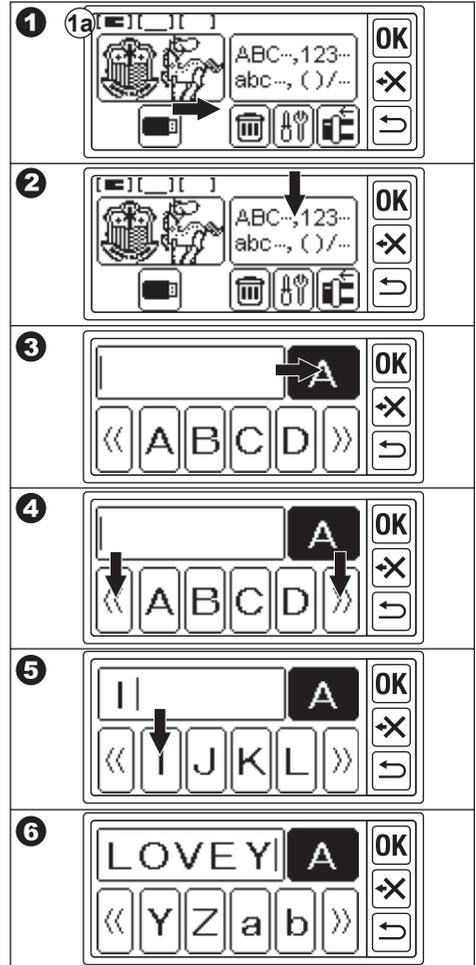
0 1 2 3 4 5 6 7 8 9 - , . ' / ? ! & () < > _

SELECTING EMBROIDERY LETTERS

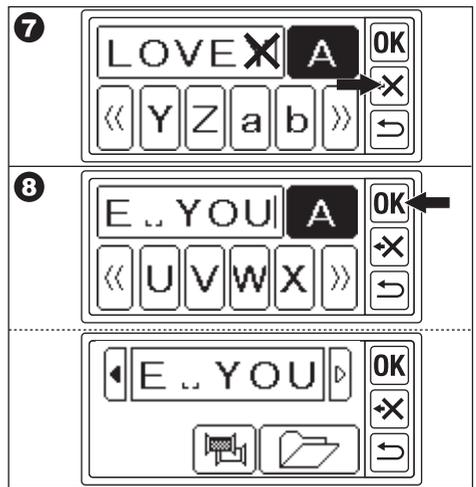
This embroidery unit can sew English letters. (See page 30 "PATTERN CHART (LETTERS)".)

To select letters, follow below procedures.

1. Open the home screen.
If other pattern or letters has been entered, folder (1a) is filled and next folder is underlined. If you want to clear all entered pattern or letters, touch the "☒" button.
2. Touch the letter selection button.
Letter selection screen will appear.
3. You can change font by touching the "A" button.
4 fonts are included in this unit.
4. LCD screen is indicating first 4 letters.
By touching the "»" button, next letters will appear.
By touching the "«" button, previous letters will appear.
5. Select letter by touching the letter button directly.
Selected letter will be indicated on the top line.
6. Using same procedure, select next letters. Selected letters will be added to top line.

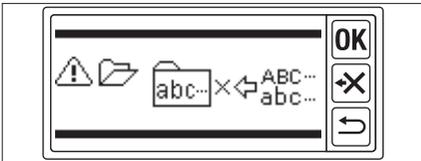


7. To delete the letter, touch the "X" button. Last selected letter will be deleted. By touching long time, all selected letters will be deleted.
8. When you have completed selecting letters, touch the "OK" button. LCD screen will change to the save and color change screen.



NOTE:

If selecting letter is over stitching area, below message will appear.



SAVING LETTERS AND COLOR CHANGE

You can save selected letters and set color change at this screen.

A. TO CHECK SELECTED LETTERS

Selected letters are indicated on the top line of LCD screen.

If the letters over the indication area, touch the highlighted “←” or “→” button, you can display the letters that are not displayed.

B. TO EDIT LETTERS

1. Touch the “↶” button.

Letter selection button will appear again.

2. Edit letter as previous screen.

C. TO DELETE LETTERS

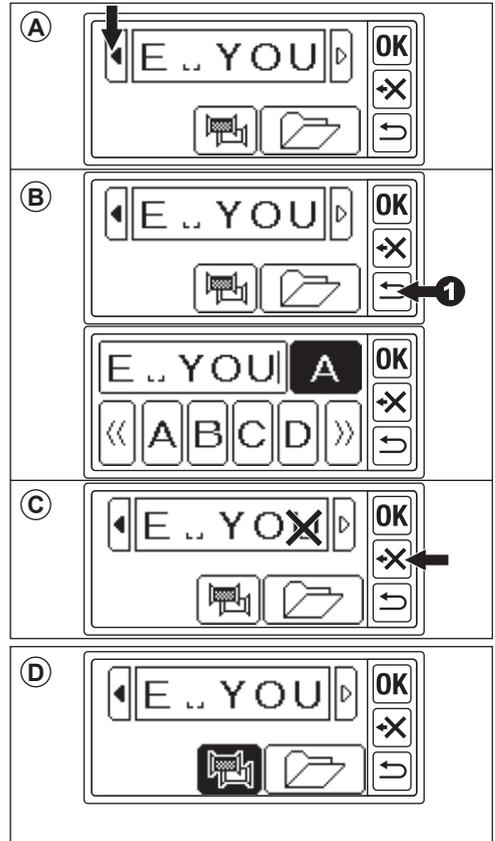
Touch the “✕” button.

Last selected letter will be deleted.

By touching long time, all letters will be deleted.

D. COLOR CHANGE

Normally, machine will sew all letters at once. If you want to change the thread color at each letter, touch the “🧵” button. This button will be highlighted and machine will stop embroidering at each letter.



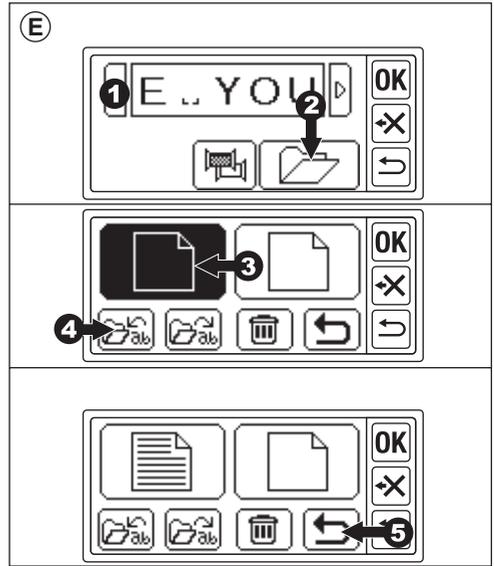
E. SAVING SELECTED LETTERS

You can save selected letters until 2 sets. They are remained after you turn off the power.

1. Select letters.
2. At save and color change screen, touch the “” button.
Save/read screen will appear.
3. Touch the file button you want to save. Selected file will be highlighted.
4. Touch the “” button.
Letters will be saved and file button will change as data stored.
5. Touch “” button. Save and color change screen will appear again.

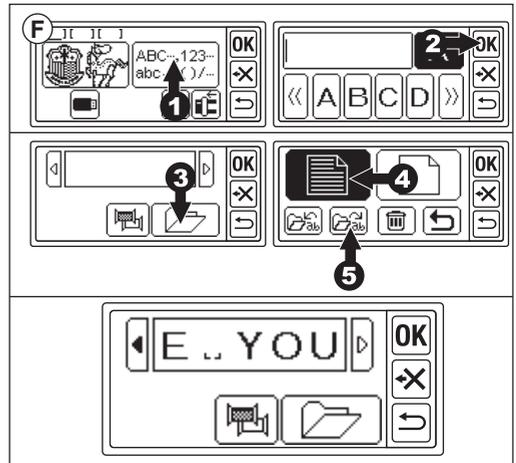
NOTE:

You can save letters only. Settings (See page 36, 37, 38) will not be remained.



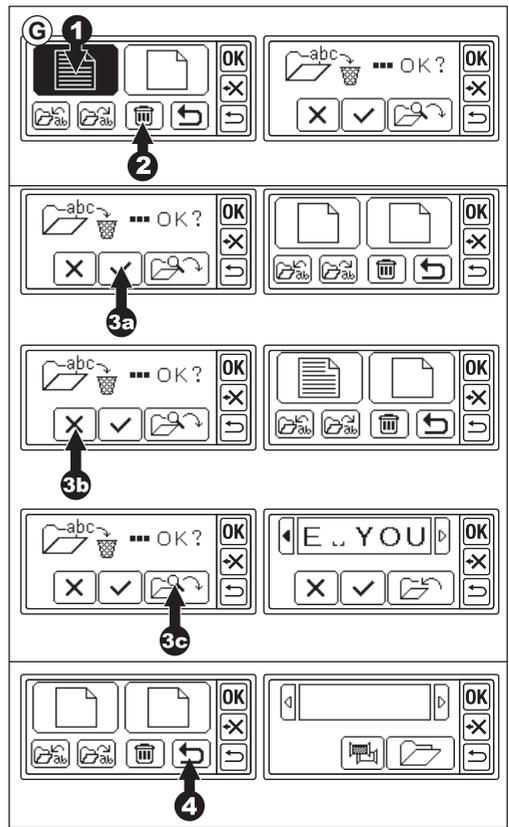
F. TO READ SAVED LETTERS

1. At the home screen, touch the “” button.
Letter selection screen will appear.
2. Touch the “OK” button.
Save and color change screen will appear.
3. Touch the “” button.
Save/read screen will appear.
4. Touch the file you want to read. Selected file will be highlighted.
5. Touch the “” button.
Letters will appear.
You can edit them, and go to setting and sewing.



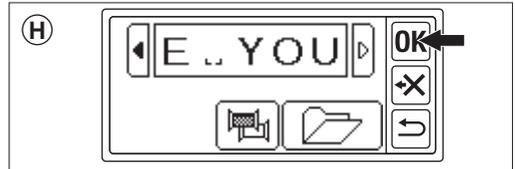
G. DELETING SAVED LETTERS

1. At save/read screen, select the file button you want to delete.
Selected file will be highlighted.
2. Touch the "🗑️" button.
Confirmation screen will appear.
- 3a. Touch the "✅" button, if you want to delete them.
All letters will be deleted and folder will be empty.
- 3b. Touch the "❌" button, if you don't want to delete them.
LCD screen return to save/read screen.
- 3c. Touch the "🔄" button, if you want to check letters.
Saved letters will appear on top line.
If you want to delete, touch the "✅" button.
If you don't want to delete, touch the "❌" button.
4. Touch the "🏠" button.
Save and color change screen will appear.



H. AFTER YOU HAVE SELECTED LETTERS

- Touch the "OK" button at save and color change screen.
See next page to go setting the letters.



SETTING LETTERS

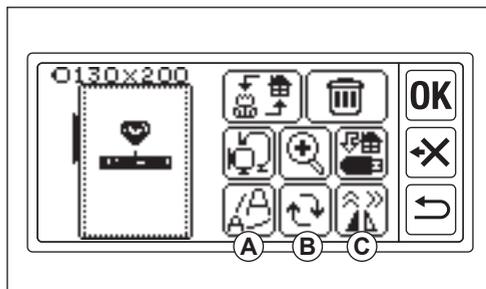
When you have touched “OK” button at save and color change screen, LCD screen will change to frame selection screen.

See page 17 and 18, to set frame size and position.

After selecting the frame, LCD screen will display the edit screen.

The edit screen is same as setting the pattern (See page 19-21) except for below functions.

Letter size, spacing between letters, rotation, mirroring, positioning of the letters, changing start position and checking sewing area.



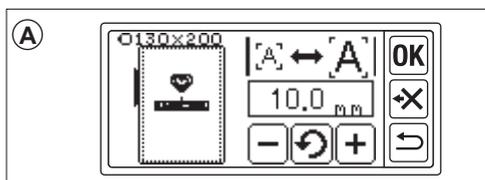
NOTE:

If previous entered pattern or letters are remained, that image will appear on the screen.

If color change function is on, letter image will be outlined.

A. Scaling button

1. Touch the “A” button.
Letter size screen will appear.
2. Letter size is indicated and you can change it by touching the “+” and “-” buttons. (10 mm - 30 mm, Preset 10 mm)
By touching the “↺” button, size will return to preset (10 mm).
3. When you have completed, touch the “OK” or “↵” button.
The edit screen will appear again.



B. Rotate button (Arc setting)

1. Touch the "↻" button.
The rotation and arc screen will appear.
2. Rotating letters is same as rotating pattern.
3. You can line up the letters on arc line.
Touch the "ARC" button.
The arc selection screen will appear.

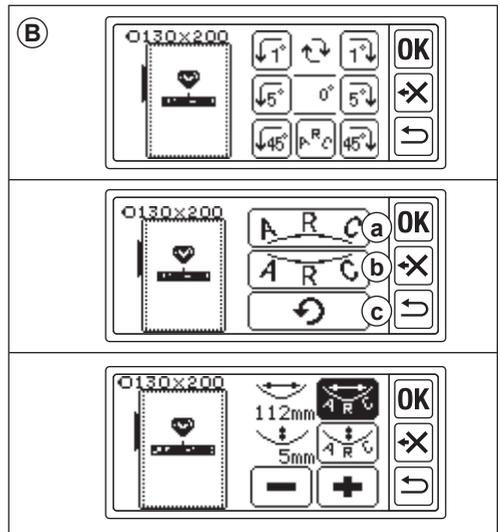
4. Select the arc shape button.

- a. Increscent arc button
- b. Decrescent arc button
- c. Straighten button

By touching the "ARC" or "ARC" button, the arc adjusting screen will appear. Touch the "ARC" or "ARC" button. (Selected button is highlight)

Adjust each value by touching the "+" or "-" button.

5. Touch the "OK" or "↵" button to go the arc selection screen. Touch again, the rotation and arc screen will appear. And touch again to go the edit screen.

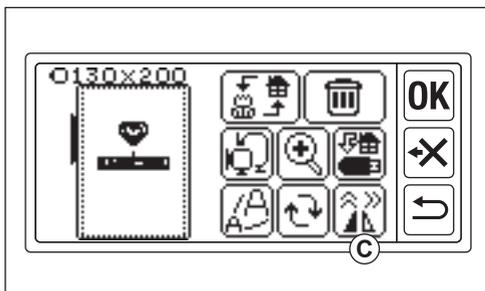


C. Mirror/position/trace button

By touching this button, mirror/position/trace screen will appear.

Setting the mirror, position and tracing sewing area function are same as pattern setting.

You can also adjust spacing between letters and check start position.



Spacing between letters

1. Touch the "L" button.

Letter spacing screen will appear.

2. You can adjust space between each letter.

Move the cursor by touching the "←" or "→" button and adjust the space by touching the "+" or "-" button. (-5.0 to 9.9 mm, Preset 2 mm)

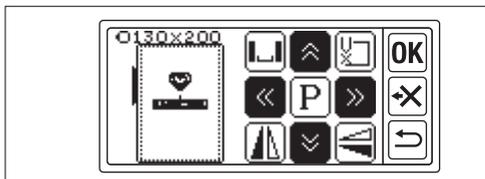
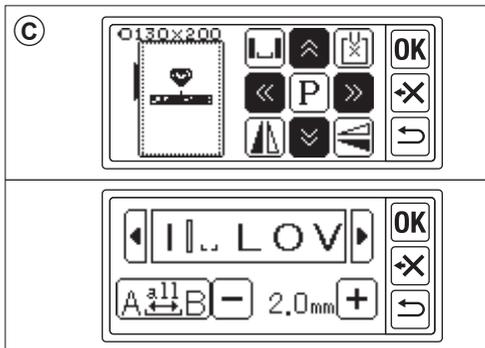
You can also set the spacing of all letters by touching the "A↔B" button after selecting value.

3. When you have completed space adjusting, touch the "OK" button.

The mirror/position/trace screen will appear again.

4. Touch the "OK" button again.

The edit screen will appear.



Checking start position

At mirror/position/trace screen, touch the "" button, frame will move to start position. It is used for connect letters. (See page 44, 45)

By touching this button again, frame will move to center position.

Touch the "" or "" button to go the edit screen.

NOTE:

You can not change the settings if sewing area is over the frame size.

But by changing the frame size, letter size or space between letters, you may be able to set them.

SEWING EMBROIDERY

Always test on a piece of fabric scrap before you start actual sewing.

WHEN YOU HAVE COMPLETED SETTINGS (Before go to sewing mode)

This unit sew selected pattern or letters.

1. Select the pattern or letters you want to sew by touching the “” button.

The selected pattern or letters will be surrounded by a square.

2. Touch the “” button.

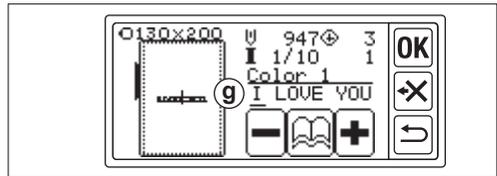
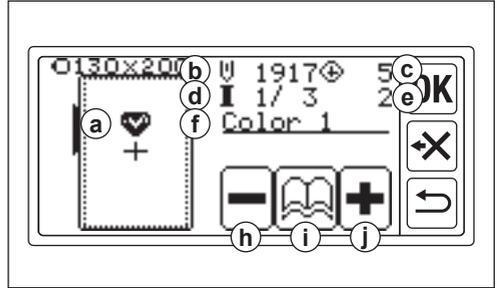
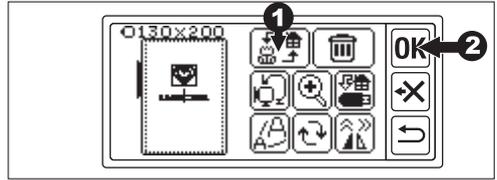
Embroidery unit will process data for a few seconds and display the sewing screen.

At this time, frame will move.

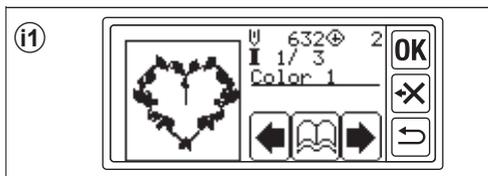
You can start embroidery sewing.

Sewing screen indicate following information

- a. Selected pattern or letters
- b. Total stitch
- c. Total sewing time
- d. Current thread color / Total thread color
- e. Current thread sewing time
- f. Current thread
- g. Letters (when letter is selected)
Letters will disappear when sewing has completed. Sewing letters is underlined.
- h. Stitch backward button
By touching this button, stitch will go backward. This is used when thread has broken. (See page 49)



- i. Color information button
When you touch this button, color information screen (i1) will appear.
This screen indicates the image of each color part. By touching the “◀” or “▶” button, color part will change before or next.



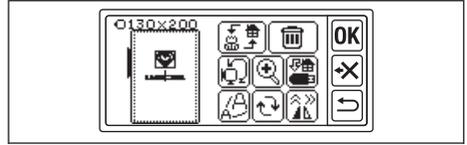
- j. Stitch forward button
By touching this button, stitch will go forward. This is used when power failed.
(See page 49)

NOTE:

When letter embroidering, if color change function is ON, each letters is considered as different color.

START SEWING THE EMBROIDERY

Thread the upper thread to the first color.
Color and sequence of each pattern are indicated on the pattern chart.
(Thread correctly referring the instruction manual of your sewing machine.)



CAUTION: To avoid injury;
Special care is needed for the needle when changing the upper thread.

1. Path upper thread to the hole of embroidery foot from upper side.
2. Lower the presser foot lifter and hook thread to the hook from back to front.
3. Press the start/stop button.
Machine will start first color embroidering.
Stop the machine after a few stitches and trim the upper thread. Resume sewing.

CAUTION:

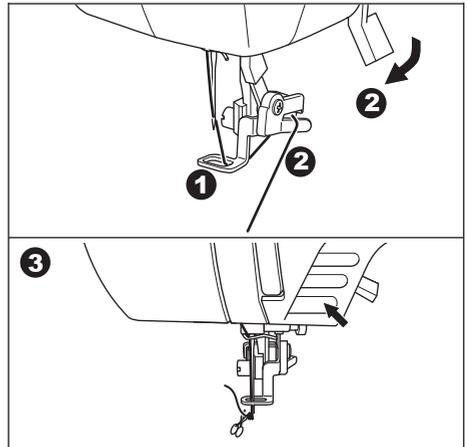
The shape and position of the button differs depending on the sewing machine.

Automatic thread cutter machine

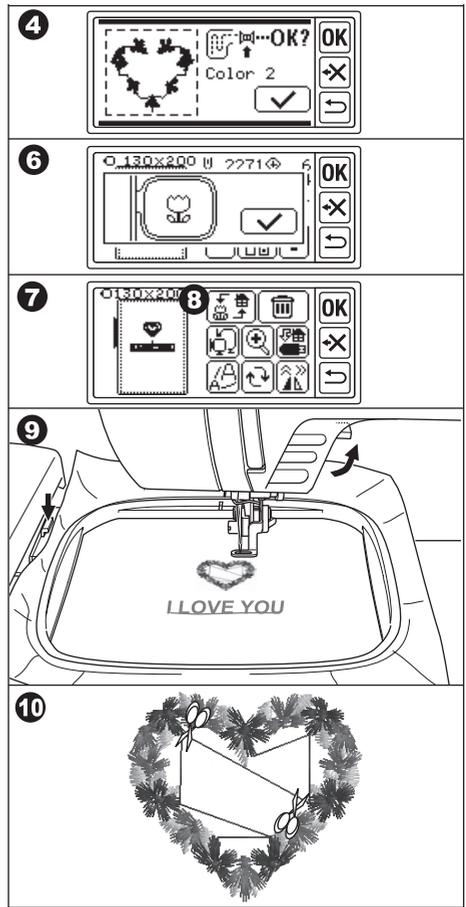
When embroidering is completed, machine will stop automatically and cut threads.

Manual thread cutter machine

When embroidering is completed, machine will stop automatically.
Raise presser foot and cut upper thread.



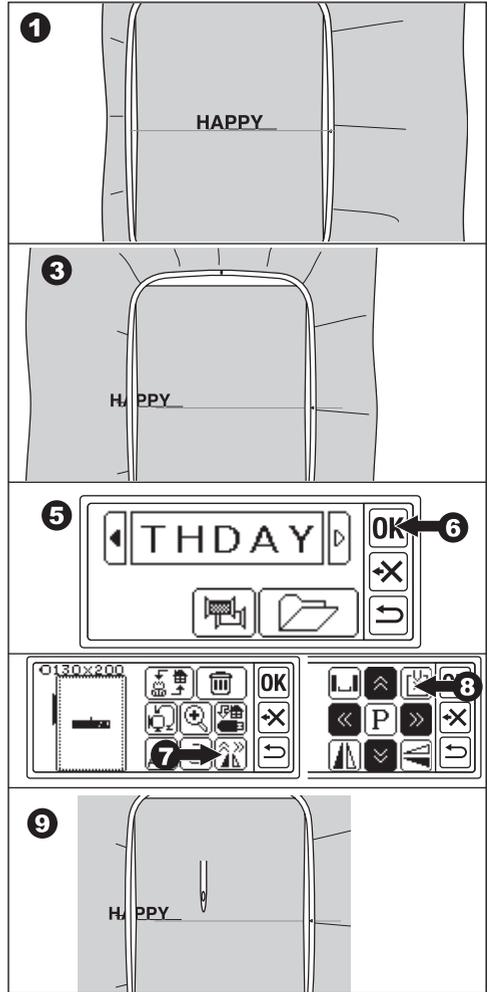
4. Change the upper thread to next color and touch “” button.
5. Lower the presser foot and start embroidering as same procedure.
Repeat same procedure until last color.
6. When embroidery is completed, LCD screen will display message.
Touch “” button. LCD screen will return to the sewing screen.
7. If you continue embroidery, touch the “” button. The edit screen will appear.
8. Change selected pattern or letters and sew embroidery as same procedure.
9. When all embroidery is completed, raise the presser foot lifter and remove the embroidery frame. If you have a manual thread cutter machine, please cut the bobbin thread.
10. Trim off excess thread.



CONNECT LETTERS

If the letters are too long to sew at once, you can connect letters as follows.

1. Select first few letters and sew.
2. Remove the embroidery frame.
3. Reset the fabric so that the end point of letter is coming to first point of next letters. At this time, straighten the sewing direction.
4. Attach the frame to the carriage.
5. Delete the sewn letters and select next letters. Touch the "OK" button and select same frame size.
6. Touch the "OK" button and go to the edit screen.
7. Touch the "↕" button. Mirror/position/trace screen will appear.
8. Touch the "↔" button.
9. As attention message will appear, check around frame and touch the "✓" button. Frame will move so that the needle comes to starting point. (Left lower side of letters) Icon will change to "✂".



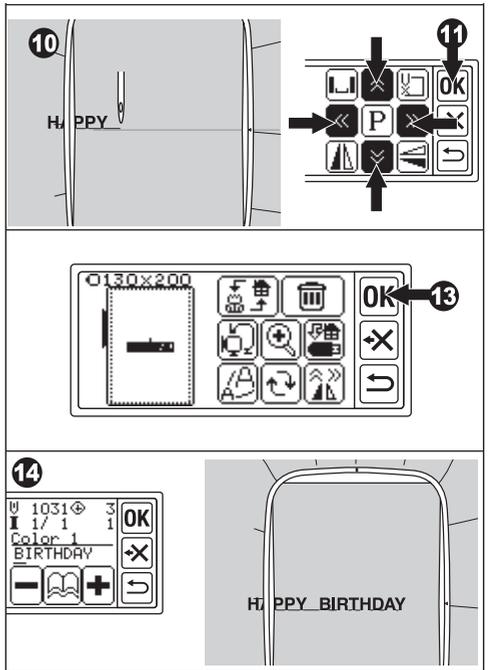
10. Adjust the position using position buttons so that the needle comes to the end point of sewn letters. (At this time, do not lower the needle or presser foot.)

11. Touch the "OK" button.

12. As attention message will appear, check around frame and touch the "✓" button. Needle will return to center position. The edit screen will appear.

13. Touch the "OK" button.
The sewing screen will appear.

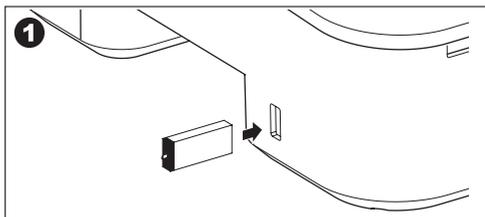
14. Start sewing.



SAVING EMBROIDERY DATA TO THE USB FLASH MEMORY

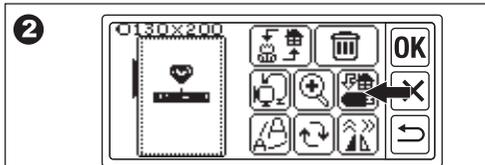
This unit can save the combination and settings of patterns and letters to the USB flash memory as one embroidery data. This data is saved as “.hlo” format.

1. Insert the USB flash memory into the USB connector port.

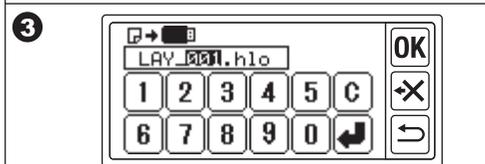


CAUTION: To prevent accidents
Do not connect other USB device except for USB flash memory. Unit or device may be broken.

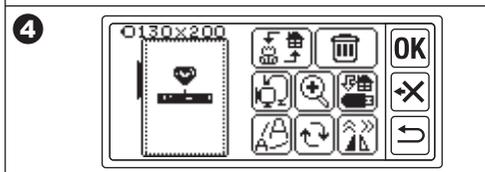
2. At the edit screen, touch the “” button.



3. Save to USB flash memory screen will appear. As temporary number is applied to the file name, select 3 digits number if desired and touch the “” or “OK” button.
Touch the “” button to reset to temporary number.
Touch the “” button to cancel.



4. It may take a moment to save the data. When completed saving, screen will return to the edit screen.
The data is saved to the USB flash memory as "LAY_XXX.hlo". (XXX is 3 digits number).



CAUTION:

Do not disconnect the USB Flash memory while operating or sewing.

READING EMBROIDERY DATA FROM USB FLASH MEMORY

This unit can read saved data (.hlo) and other embroidery data (.dst) from the USB flash memory.

NOTE:

Certain “.dst” embroidery data may be misformed or tangled. In this case, you should edit it by using commercially available embroidery software.

1. Save the “.hlo” data according to the previous page to the USB flash memory. Save the “.dst” file into the USB flash memory using your PC.

NOTE:

Data file is able to locate until 4-th sub folder and file name is until 128 letters.

2. Insert the USB flash memory into the USB connector port of embroidery unit.

3. At the home screen, touch the “” button.

4. File list will appear.

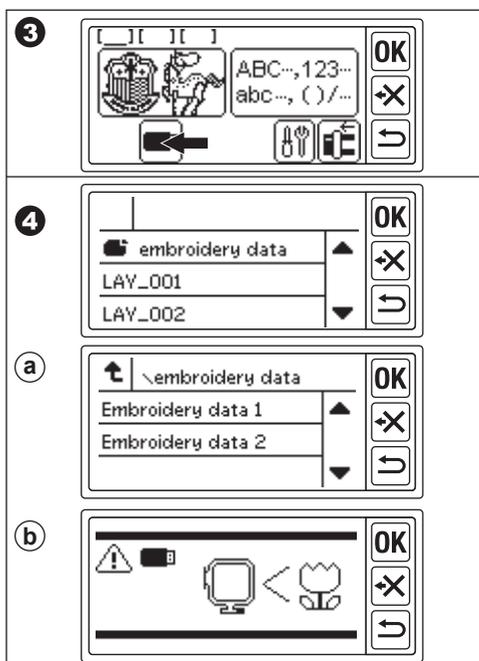
Touch desired file or folder and touch the “” button.

- a. If folder is selected, next file list will open.

To back to the folder, touch “” button.

To scroll up, touch the “” button, to scroll down, touch the “” button.

- b. You cannot select a file if sewing area or stitch count number is over the limit. (sewable area is 13 cm X 20 cm, limit of stitch is 35,000 stitches.)



5. When file is selected, the frame setting screen will appear. Select frame size and stop position as pattern selecting. (See page 17, 18)

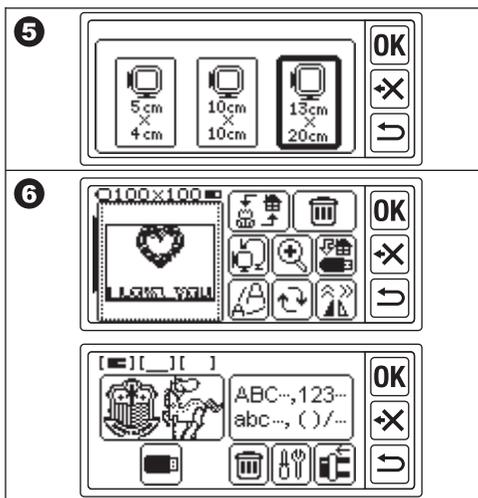
6. The edit screen will appear. When data from USB flash memory is selected, the USB icon “” will appear on the edit screen and the home screen.

7. Set and sew as same procedure of pattern embroidering.

CAUTION:

Do not disconnect the USB flash memory while operating or sewing. If disconnected, warning message will appear.

Touch the “” button. Data from USB flash memory will be deleted.

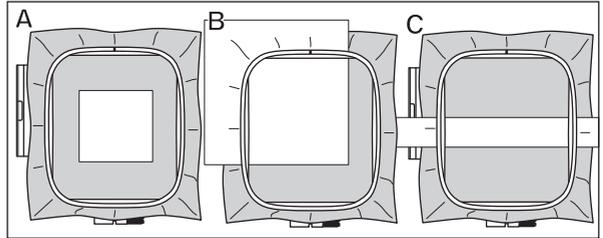


SEWING TIPS

TO SEW SMALL FABRIC OR FABRIC EDGE

Use stabilizer for embroidery.
Remove it after sewing.

- A. Small fabric
- B. Fabric end
- C. Ribbon or tape



WHEN THREAD HAS BROKEN OR USED UP

UPPER THREAD

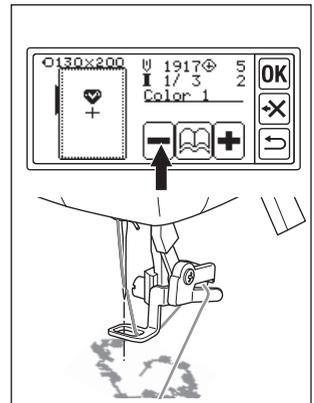
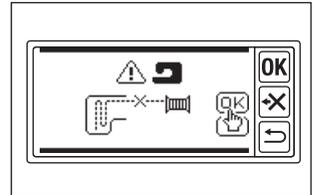
Machine will stop automatically and display error message.
(Upper thread sensor)
Raise the needle and presser foot.
Thread again the upper thread.

BOBBIN THREAD

1. Stop sewing by pressing start/stop button.
(Machine may stop automatically by upper thread sensor.)
2. Raise the needle and presser foot.
3. Cut the upper thread and remove the embroidery frame.
4. Reinsert the new bobbin.
(See the instruction manual of your sewing machine.)
5. Attach the embroidery frame.

WHEN YOU FINISH THREADING

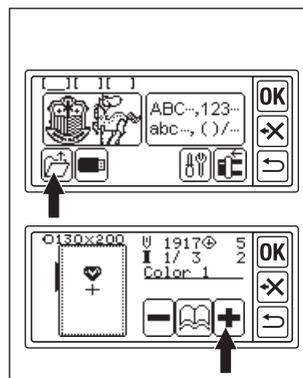
Touch the "OK" button if error message is displayed.
Touch the "←" button. By touching once, one stitch will be back without stitching. By touching long time, 10 stitches will be back. Go back until 3-4 stitches before from broken point.
If you want to go forward, touch the "→" button.
By touching long time, 10 stitches will go forward.
Lower the presser foot and hook the upper thread to the hook of presser foot. Start sewing.



IF POWER HAS FAILED WHILE SEWING

You can recall selected pattern or letters.

1. Turn on the power switch again.
2. When the home screen has appeared, touch the “” button.
The sewing screen of sewing pattern or letters will be appear.
3. Touch the “” button until the point where the power has failed.
4. Resume sewing.



NOTE:

- The “” button will not appear when sewing has completed or interrupted by touching the “” button.
- Backup function is affected selected pattern or letters only.
- Data from USB flash memory is not backed up.

REGULATING THE THREAD TENSION

According to the thread or fabric, thread tension should be changed.
To get correct thread tension, test sew using same fabric and adjust as follows.

A. CORRECT THREAD TENSION

Upper thread appears slightly to the bottom side of fabric.

B. UPPER THREAD TOO TIGHT

Lower thread appears to the top side of fabric.

Decrease the upper thread tension.

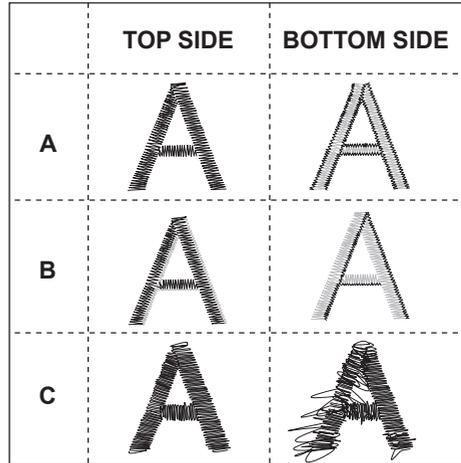
C. UPPER THREAD TOO LOOSE

Upper thread is loose or makes loop.
Increase the upper thread tension.

NOTE:

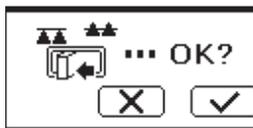
If upper thread is too loose, stitch may be tangled.

If bobbin setting or upper thread threading is not correct, you cannot get correct thread tension. See the instruction manual of your sewing machine.



MESSAGE

Did you lower the feed dogs?
Touch the or .



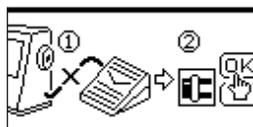
Carriage will move. Take away any objects around the carriage and touch the button.



Do you want to go setting mode from sewing mode?
Touch the or .



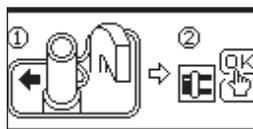
Remove foot controller and touch the button.



By touching the return button long time.
Do you want to go the home screen?
Touch the or .



Turn the bobbin winder spindle to the left and touch the button.



Do you delete selected pattern or letters?
Touch the or .



Raise the presser foot and touch the button.



Do you delete all pattern and letters?
Touch the or .



Turn thread tension regulator slightly "+" and touch the button.



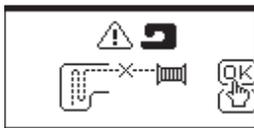
Carriage will move to the storing position.
Take away any objects around the carriage and touch the button.



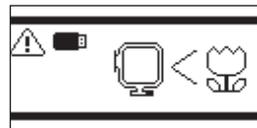
Raise the needle and touch the button.



Thread again the upper thread and touch the "OK" button.



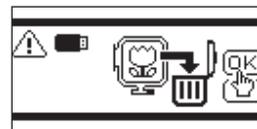
Cannot read this embroidery design.



The embroidery unit has come off. Turn off the power switch and check the embroidery unit installation.



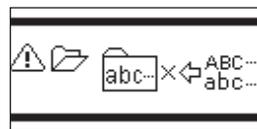
The USB flash memory was removed and the pattern was deleted. Touch the "OK" button.



Turn off the power switch and check the connection to the sewing machine.



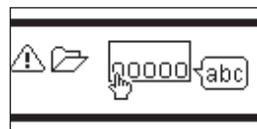
Cannot select letter any more.



Turn off the power switch and lower the feed dogs.



No letters selected.



SPECIFICATIONS

Machine dimensions (mm) Length x Width x Height	471 x 393 x 126
Net weight (kg)	4.2
Maximum embroidery speed (rpm)	750
Maximum embroidery area (mm)	130 x 200

