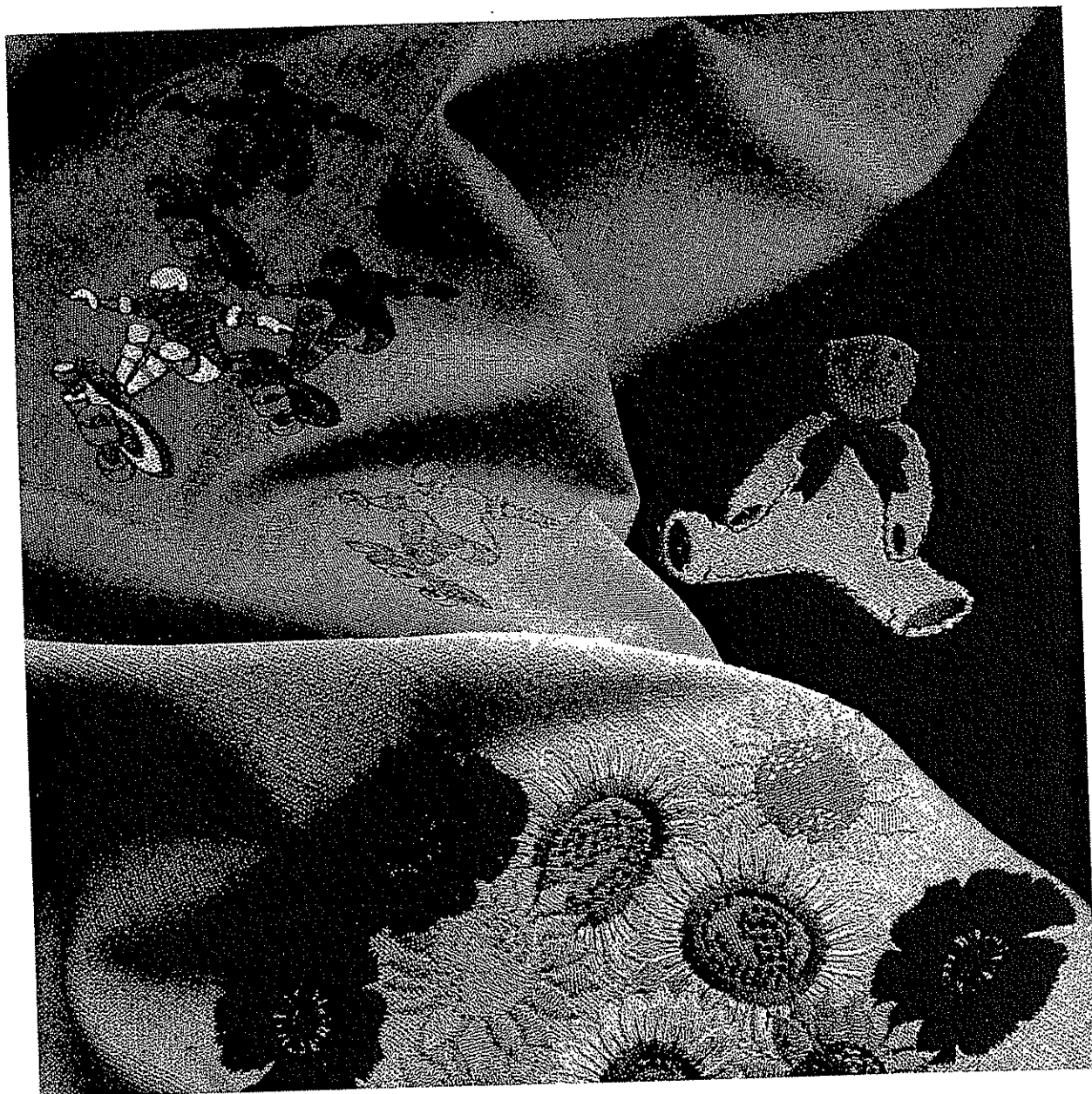


# Bernette® *Deco* 500



**Instruction Manual**  
**Manual de instrucciones**

# **“IMPORTANT SAFETY INSTRUCTIONS”**

When using an electrical appliance, basic safety precautions should always be followed, including the following:

“Read all instructions before using this sewing machine.”

## **DANGER —** To reduce the risk of electric shock:

1. An appliance should never be left unattended when plugged in.
2. Always unplug this appliance from the electric outlet immediately after using and before cleaning.
3. Always unplug before relamping. Replace the bulb with same type rated 8 volts/2.4 watts.

## **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 appliance is used by or near children.
2. Use this appliance 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 appliance 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 appliance to the nearest authorized dealer or service center for examination, repair, electrical or mechanical adjustment.
4. Never operate the appliance with any air openings blocked. Keep ventilation openings of the sewing machine and foot controller free from accumulation of lint, dust and loose cloth.
5. Keep fingers away from all moving parts. Special care is required around the sewing needle.
6. Always use the proper needle plate. The wrong plate can cause the needle to break.
7. Do not use bent needles.
8. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
9. Switch the sewing machine off ☐ when making any adjustments in the needle area, such as threading or changing the needle, threading the bobbin or changing the presser foot and the like.
10. Always unplug the sewing machine from the electrical outlet when removing covers, lubricating or when making any other user servicing adjustments mentioned in this instruction manual.
11. Never drop or insert any object into any opening.
12. Do not use outdoors.
13. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
14. To disconnect, turn all controls to the off ☐ position then remove the plug from the outlet.
15. Do not unplug by pulling on the cord, but grasp the plug.
16. Appliances provided with a cord reel: Hold plug when rewinding into cord reel. Do not allow the plug to whip when rewinding.
17. Appliance (220V – 240V) is provided with double insulation. Use only identical replacement parts. See instructions for Servicing Double Insulated appliances.

## **Servicing double-insulated products (220V – 240V)**

In a double-insulated product, two systems of insulation are provided instead of grounding. No grounding means is provided on a double-insulated product nor should a means for grounding be added to the product. Servicing a double-insulated product requires extreme care and knowledge of the system and should only be done by qualified service personnel. Replacement parts for a double-insulated product must be identical to those parts in the product.

The symbol ☐ is marked on the double-insulated product.

## **“SAVE THESE INSTRUCTIONS”**

**“This sewing machine is intended for household use only.”**


## FOR USERS IN THE UK, EIRE, MALTA AND CYPRUS ONLY.

If your sewing machine is fitted with a 3 pin non rewirable BS plug then please read the following.

### IMPORTANT

If the available socket outlet is not suitable for the plug supplied with this equipment, it should be cut off and an appropriate three pin plug fitted. With alternative plugs an approved fuse must be fitted in the plug.

#### NOTE

The plug severed from the main lead must be destroyed as a plug with bare flexible cord is hazardous if engaged in a live socket outlet. In the event of replacing the plug fuse, use a fuse approved by ASTA to BS 1362, i.e. carrying the  mark, rating as marked on plug.

Always replace the fuse cover, never use plugs with the fuse cover omitted.

#### WARNING

**DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER 'E', BY THE EARTH SYMBOL  OR COLOURED GREEN OR YELLOW.**

The wires in this mains lead are coloured in accordance with the following code:

Blue	Neutral
Brown	Live

As the colours of the wiring in the main lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows.

The wire which is coloured blue must be connected to the terminal which is marked with the letter 'N' or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter 'L' or coloured red or brown.

**IMPORTANT (In the United Kingdom)**  
Mains Supply (AC230/240V ~ , 50Hz only)

**DO NOT** cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safely approved extension lead or consult your dealer.

**BE SURE** to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

Dear Customer

Congratulations on the purchase of your Bernette Deco 500 embroidery machine. You are now the proud owner of an embroidery machine which fulfills every expectation in terms of use and quality. The unique design selection makes sewing more fun than ever and will give your years of sewing pleasure.

Our comprehensive instruction manual takes you step by step through the features and handling of your new machine. We also provide you with tips and suggestions for practical sewing.

If you require any further information about your machine or sewing in general, please do not hesitate to contact your Bernina dealer who will be delighted to help you.

We wish you happy and successful sewing.

FRITZ GEGAUF LTD.  
CH-8266 Steckborn, Switzerland

Your machine is an advanced computerized home embroidering machine. To fully enjoy all of its features, we suggest that you study this instruction manual.

## PLEASE READ BEFORE USING YOUR EMBROIDER MACHINE

### For safe operation

1. Be sure to keep your eye on the needle while sewing. Do not touch the balance wheel, thread take-up, needle, or other moving parts.
2. Remember to turn off the power switch and unplug the cord when:
  - Operation is complete
  - Replacing or removing the needle or any other parts
  - A power failure occurs during use
  - Maintaining the machine
  - Leaving the machine unattended.
3. Plug the machine directly into the wall. Do not use extension cords.
4. Always be sure to turn off the main power switch when inserting and removing the embroidery card.

### For a longer service life

1. When storing your embroidering machine, avoid direct sunlight and high humidity locations. Do not store the embroidering machine beside a space heater, iron, or other hot objects.
2. Use only neutral soaps or detergents to clean the case. Benzene, thinner, and scouring powders can damage the case and machine, and should never be used.
3. Do not drop or hit the machine.
4. Always consult the operation manual or use the "BASIC OPERATION" and "SELF-INTRODUCTION" keys when replacing or installing any assemblies; presser feet, needle, or other parts to assure correct installation.

### For repair or adjustment

In the event a malfunction occurs or adjustment is required, first follow the troubleshooting table in the back of the operation manual to inspect and adjust the machine yourself. If the problem persists, please consult your nearest authorized service center.

- We reserve the right to make changes in the interests of technical progress.

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## CHAPTER 1

### KNOWING YOUR SEWING MACHINE

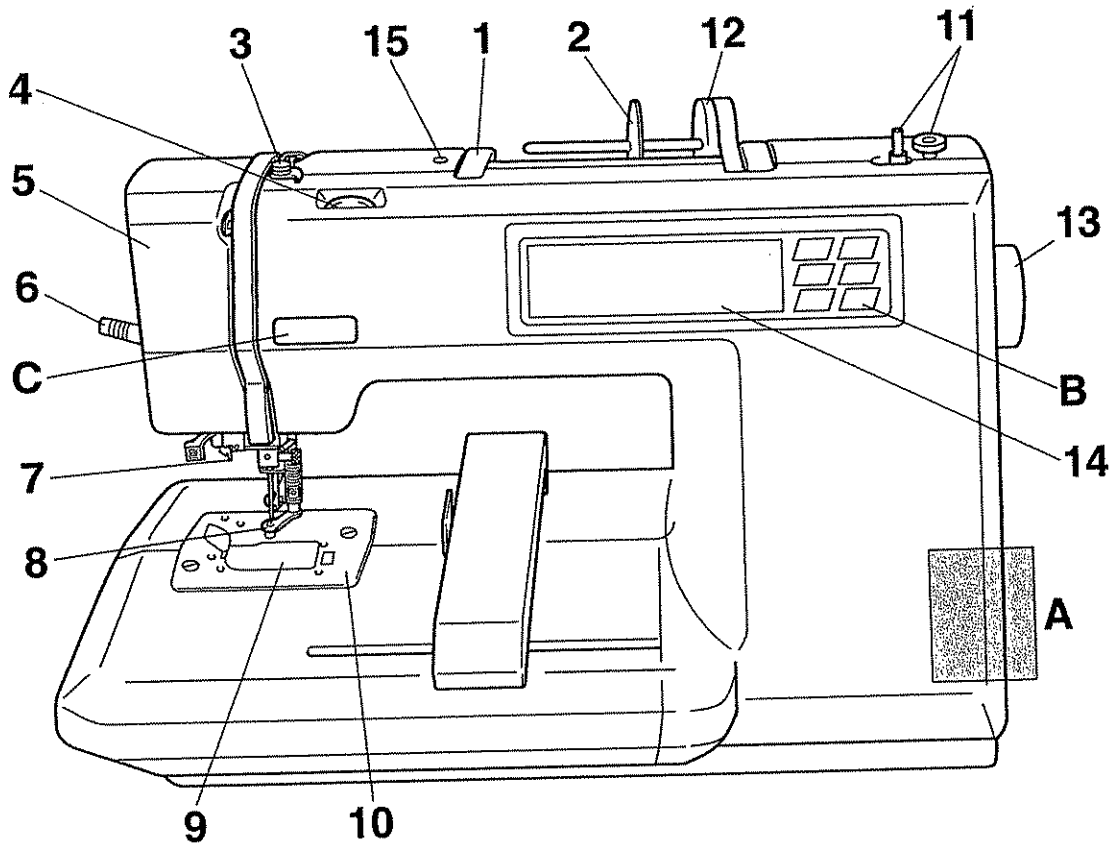
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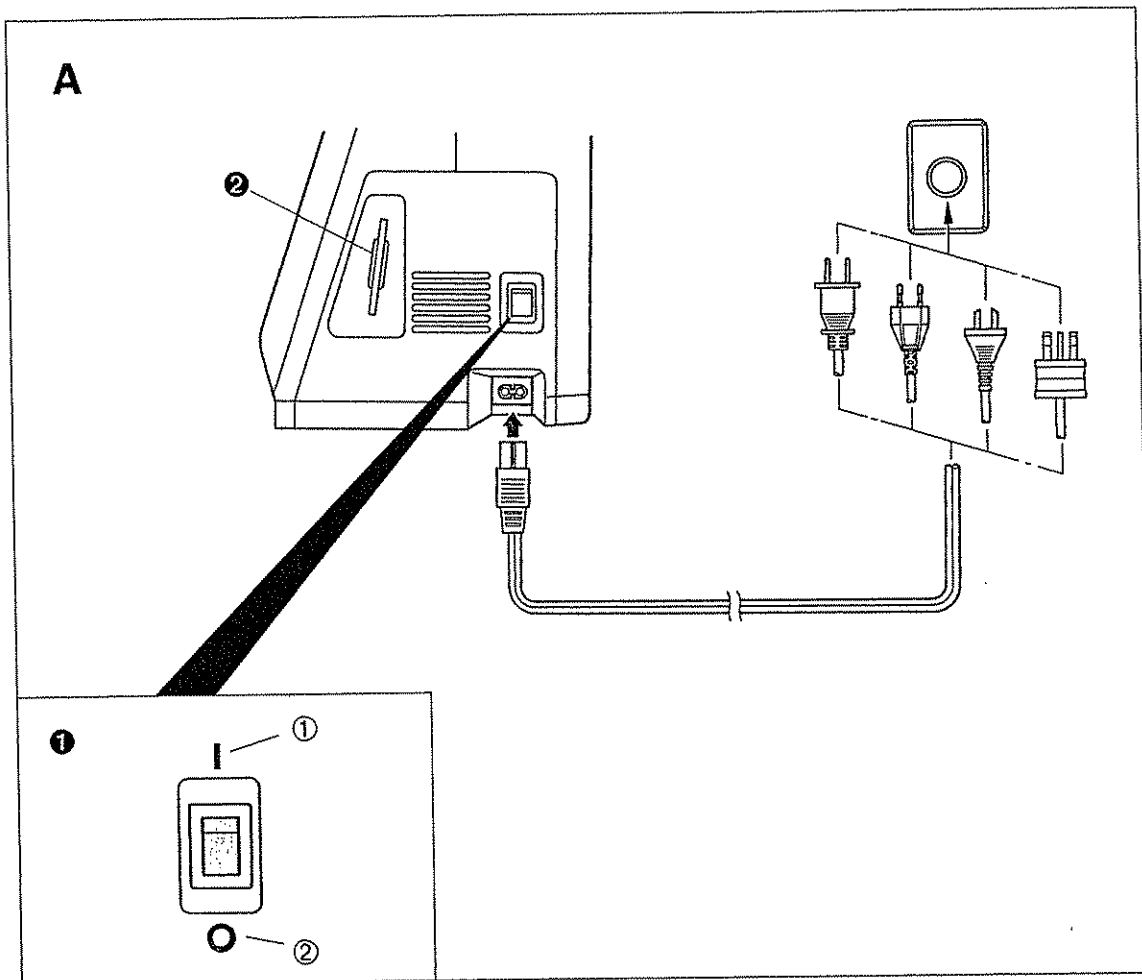
### PRINCIPAL PARTS AND THEIR FUNCTIONS



- 1-Handle
- 2-Spool cap
- 3-Bobbin winding guide
- 4-Upper thread tension dial
- 5-Face plate
- 6-Presser foot lever
- 7-Needle threader
- 8-Presser foot
- 9-Bobbin cover
- 10-Needle plate
- 11-Bobbin winding device
- 12-Spool felt
- 13-Balance wheel
- 14-LCD (Liquid Crystal Display)
- 15-Hole for extra spool pin

- A-MAIN POWER SWITCH AND CONNECTORS
- B-SELECTION KEYS
- C-"START/STOP" BUTTON

## MAIN POWER SWITCH AND CONNECTORS

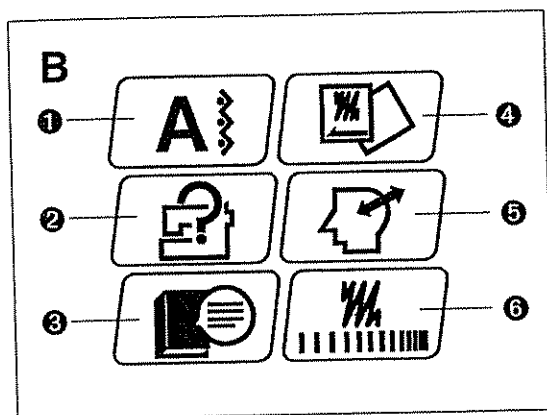


- ❶ Power switch
  - ① ON
  - ② OFF
- ❷ Memory card slot

### CAUTION

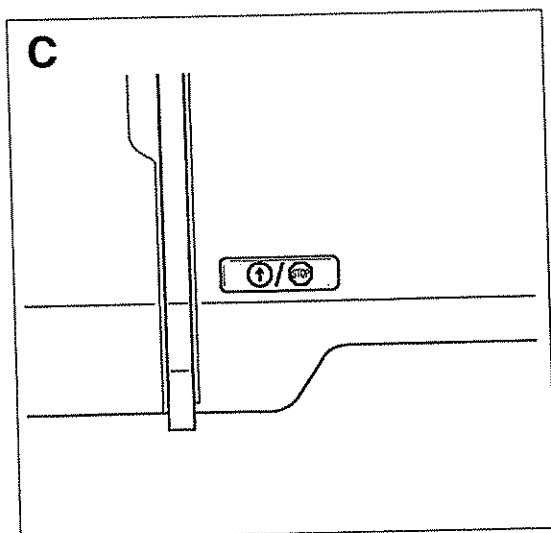
- When leaving the sewing machine unattended, the main switch of the machine must be switched off and the plug removed from the socket-outlet.
- When servicing the sewing machine, or when removing covers or changing bulb, the machine must have the plug removed from the socket-outlet.

## SELECTION KEYS



- ❶ "CHARACTERS & DESIGNS" KEY  
Use this key for embroidering characters and patterns.
- ❷ "BASIC OPERATION" KEY  
Use this key when you wish to know how to use this embroidering machine.
- ❸ "MODIFY & ADVISE" KEY  
Use this key when you have problems with embroidering. This is a useful key to remember.
- ❹ "CARD" KEY  
Use this key when using a memory card for embroidering patterns.
- ❺ "MEMORY" KEY  
Use this key for saving or retrieving pattern combinations in the machine.
- ❻ "STITCH ADJUSTMENT" KEY  
Use this key to change the thread density of the stitch being embroidered.  
(Adjustment may not be possible for some patterns.)

## "START/STOP" BUTTON

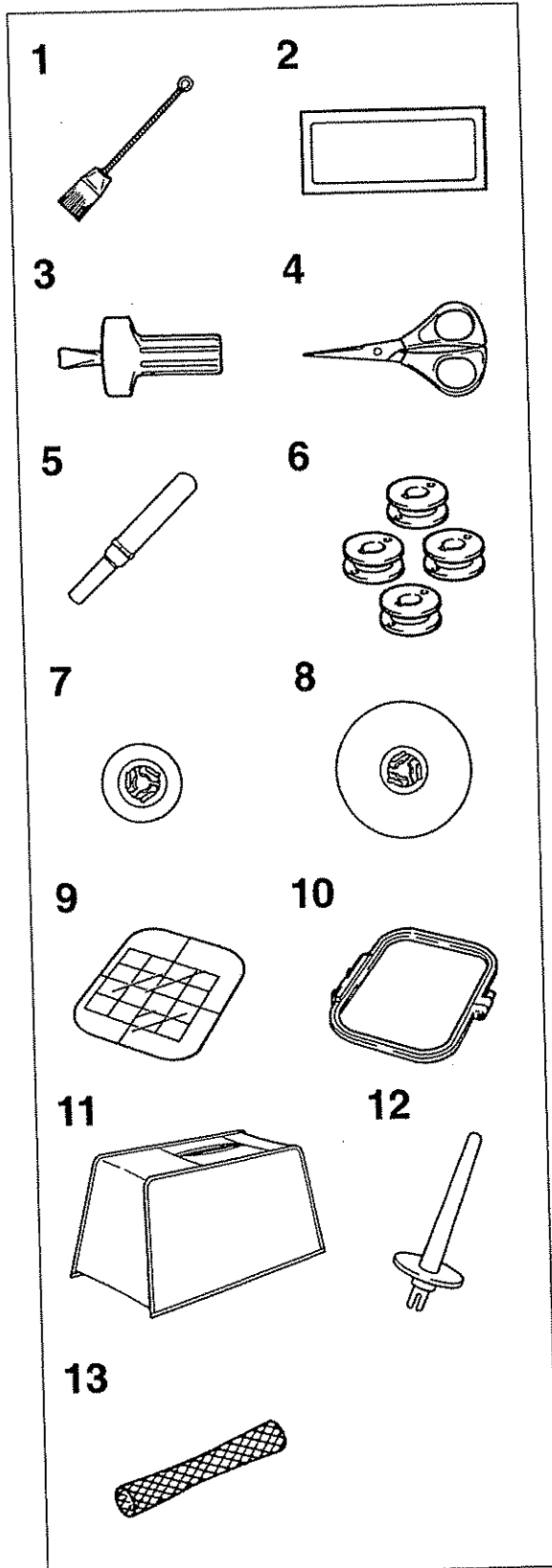


Press this button to start the machine, and then press it once more to stop the machine.

- \* The machine will operate at low speed while the button is being pressed and then speed up when the button is released.
- \* When the machine stops, the needle will stop at its highest position.
- \* If "Raise the needle." appears on the display, press the "START/STOP" button to stop the needle at its highest position.



## ACCESSORIES



No.	Parts Name	Parts Code
1	Cleaning brush	122992-001
2	Needle set 75/11 3pcs., 90/14 1 pc.	X59535-001
3	Screwdriver	X53666-001
4	Scissors	184783-001
5	Seam ripper	X54243-001
6	Bobbins (4 pcs)	136492-001
7	Spool cap (Small)	130013-003
8	Spool cap (Large)	130012-003
9	Embroidery sheet (Regular)	X56942-002
10	Embroidery frame (Regular)	X58739-001
11	Machine cover*	XA0181-051
12	Extra spool pin**	130920-051
13	Net***	127610-000

\* When placing the machine cover on the machine while the embroidery frame is still attached, touch "CHARACTERS & DESIGNS" or "CARD" to set the machine to the condition before a pattern is selected, or turn the power switch off and then back on again.

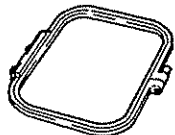
\*\* An extra spool pin should be used for decorative thread such as metallic thread.

\*\*\* If using special threads which wind quickly off the thread spool, attach a net to the spool before using.

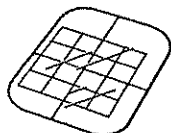
## OPTIONS

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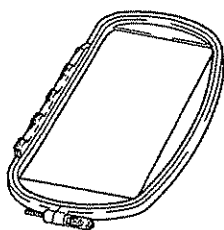


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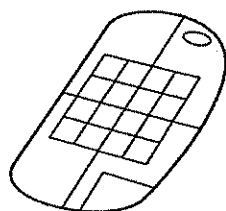


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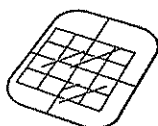


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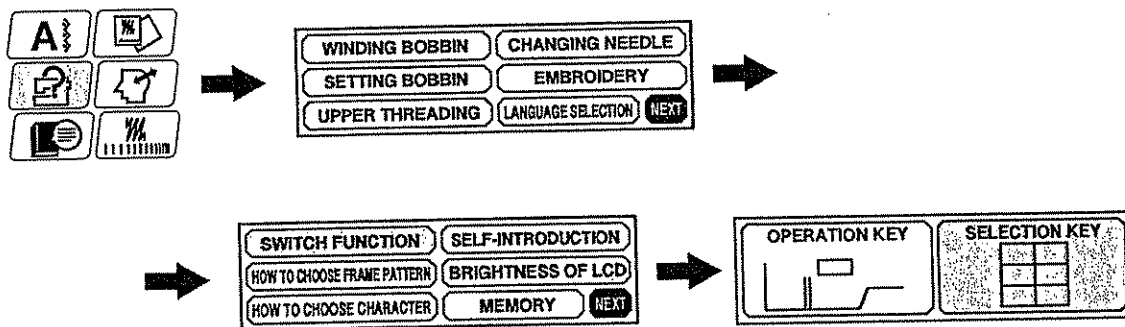
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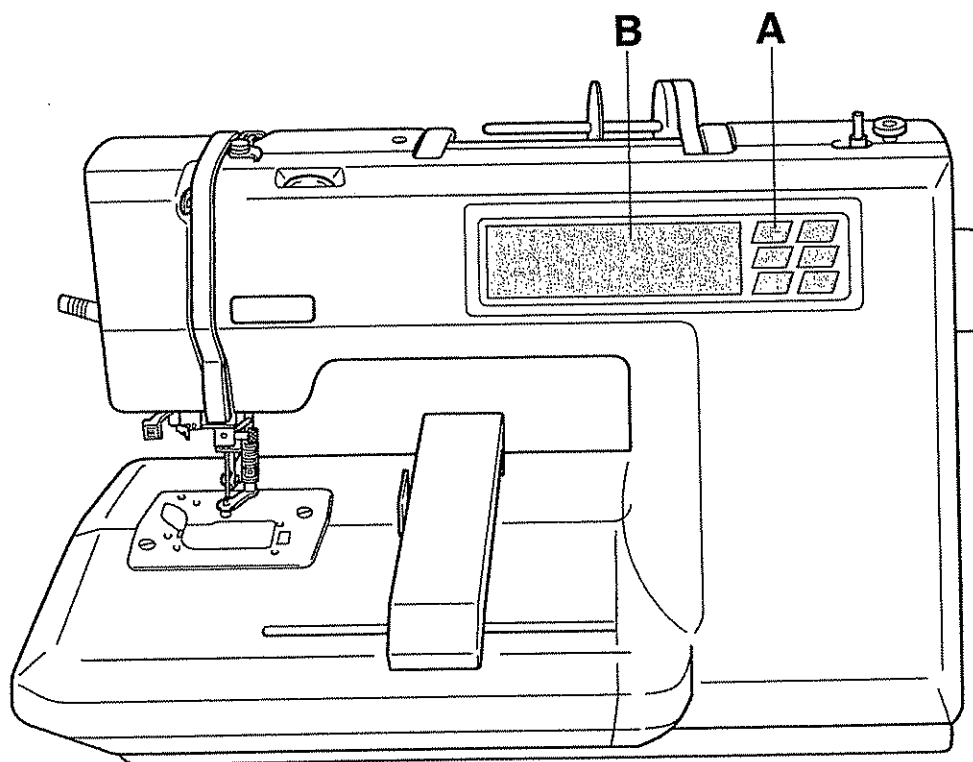
No.	Parts Name	Parts Code
1	Embroidery set (Regular)	X59768-002
2	Embroidery frame (Regular)	X58739-001
3	Embroidery sheet (Regular)	X56942-002
4	Embroidery set (Large)	X59027-002
5	Embroidery frame (Large)	X59028-001
6	Embroidery sheet (Large)	X59031-002
7	Embroidery set (Small)	X59042-002
8	Embroidery frame (Small)	X59005-001
9	Embroidery sheet (Small)	X59006-002
10	Memory cards: various themes	

## OPERATION (SELECTION KEYS)

*Most of the instructions are in the machine's memory. Messages on the LCD screen guide you through each operation.*

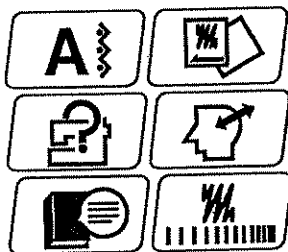


1. Press "BASIC OPERATION".
2. Touch "NEXT".
3. Touch "SWITCH FUNCTION".
4. Touch "SELECTION KEY".



## Using the selection keys

A

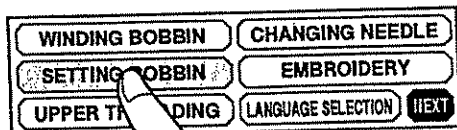
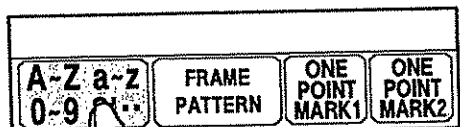


### A. Selection keys

Select one of the six keys that explain the functions of the machine, and press that key. When you press the key, the LCD at the left will change to display the information that you requested.

## Operation using the screen

B



### B. LCD screen

A pattern or operation can be selected by gently touching the box on the screen which corresponds to the pattern or operation that you wish to select.