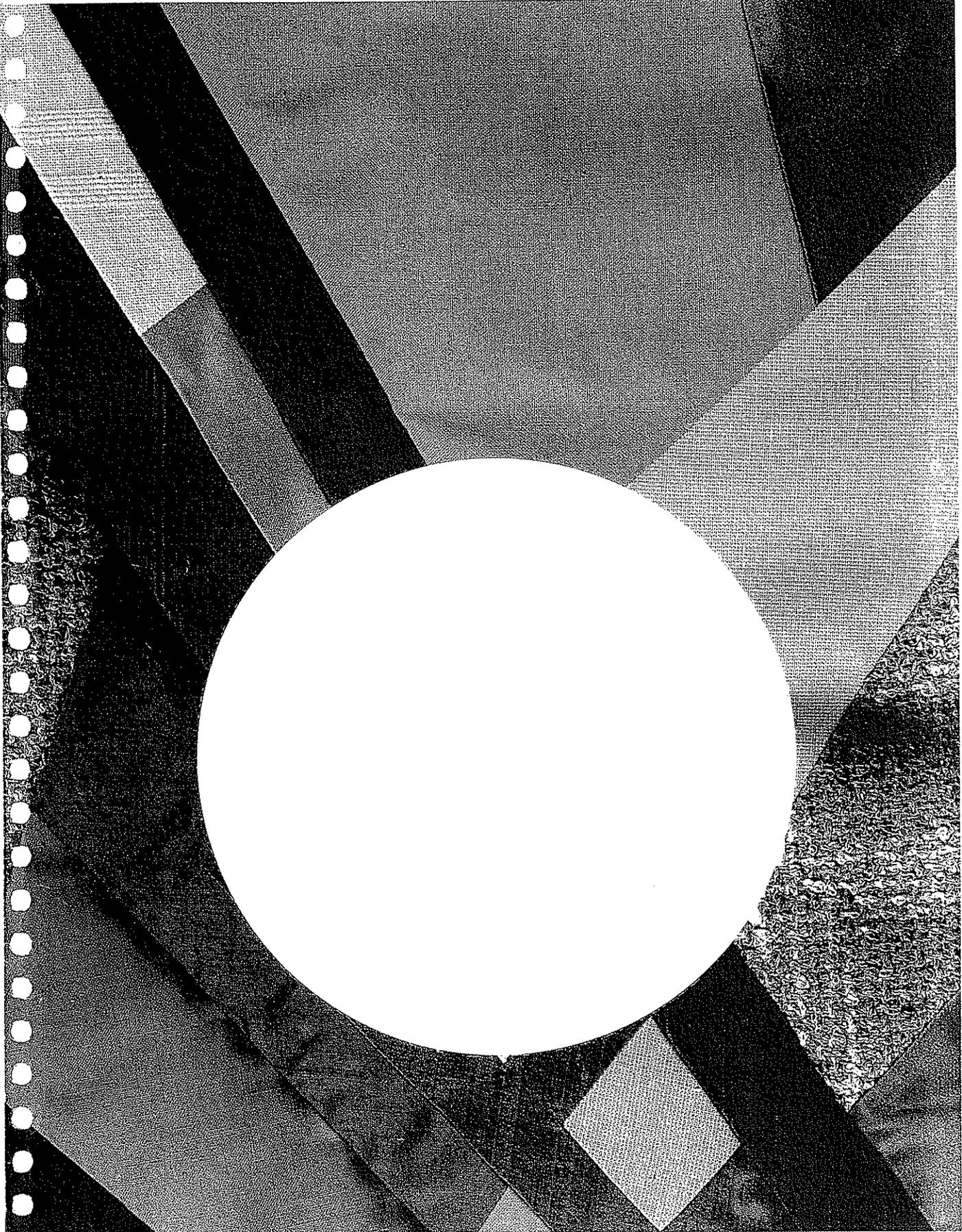


BERNINA®



Instruction Manual



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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 bulb with same type rated 6 Volts / 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 machine 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 needle, changing needle, threading bobbin, or changing presser foot, and the like.
10. Always unplug sewing machine from the electrical outlet when removing covers, lubricating or when making any other user servicing adjustments mentioned in the 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 plug from outlet.
15. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
16. Appliances provided with a cord reel: Hold plug when rewinding into cord reel. Do not allow plug to whip when rewinding.
17. This appliance is provided with double insulation. Use only identical replacement parts. See instructions for Servicing of Double-Insulated Appliances.

Servicing of Double-Insulated Products

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 of a double-insulated product requires extreme care and knowledge of the system, and should be done only by qualified service personnel. Replacement parts for a double-insulated product must be identical to those parts in the product. A double-insulated product is marked with the words «DOUBLE INSULATION» or «DOUBLE INSULATED».

The symbol  may also be marked on the product.

SAVE THESE INSTRUCTIONS!

This sewing machine is intended for household use only.



Dear Bernina Customer

Congratulations on choosing a Bernina 1031. You are now the proud owner of a sewing machine which fulfills every expectation in terms of use and quality. You own a first class product which will give you sewing pleasure for many years to come.

Some hundred years ago, my great grandfather invented the first ever hemstitch machine. This was the beginning of the Bernina family business and I am proud to be the fourth generation member of the family to have responsibility for the company. I am delighted to welcome you to the millions of satisfied Bernina owners around the world.

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

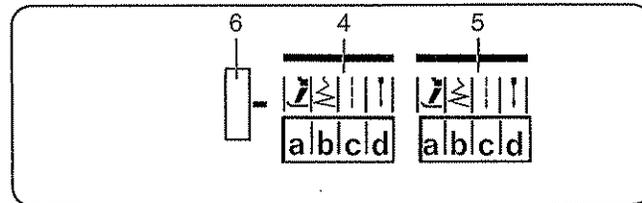
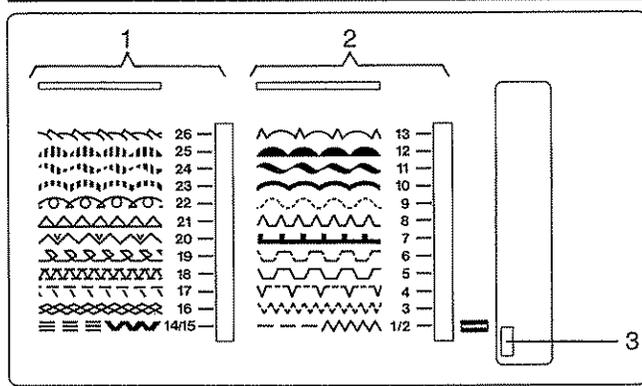
I wish you very happy and successful sewing.

Yours truly,

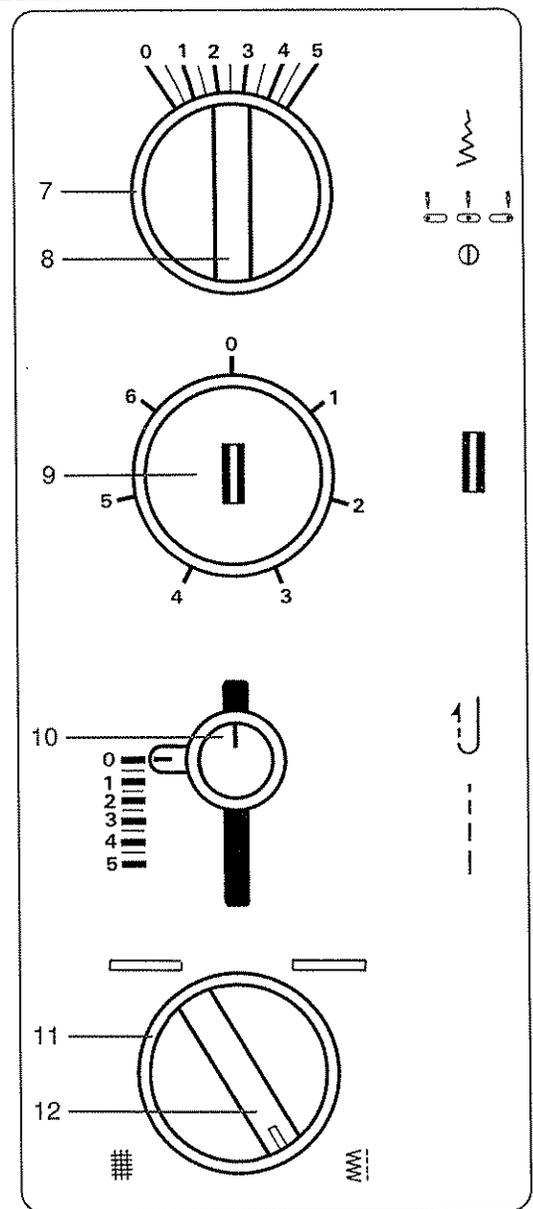
Hanspeter Ueltschi
President

BERNINA®

Display / Control panel

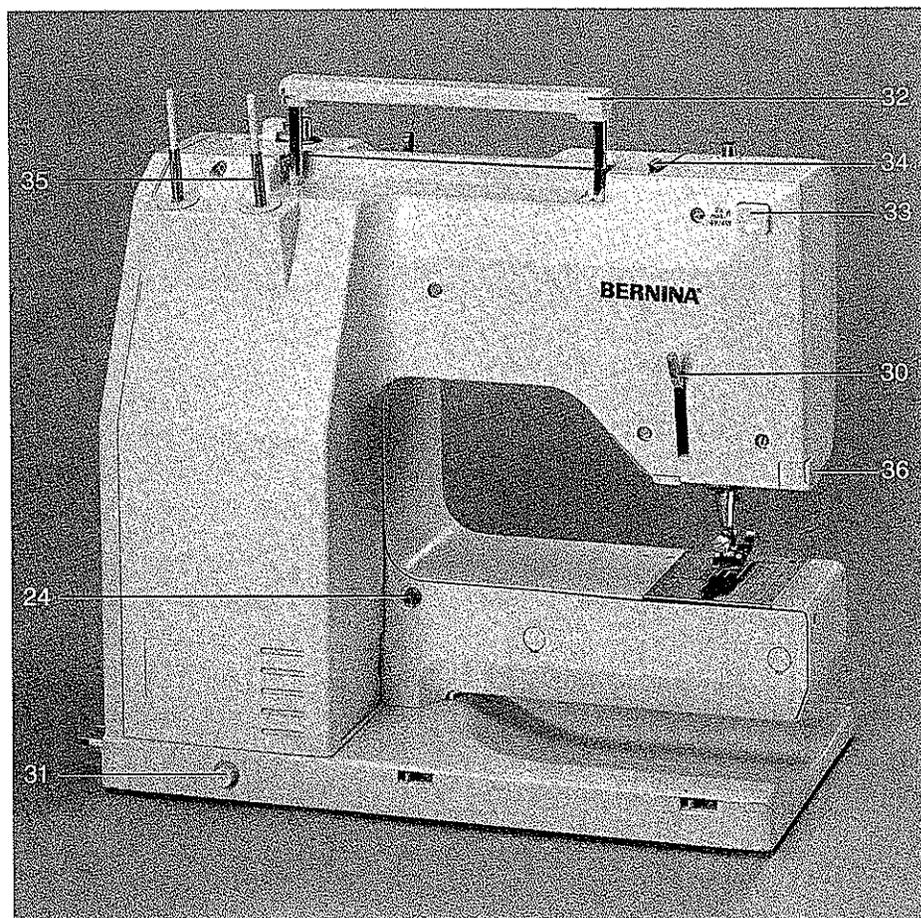
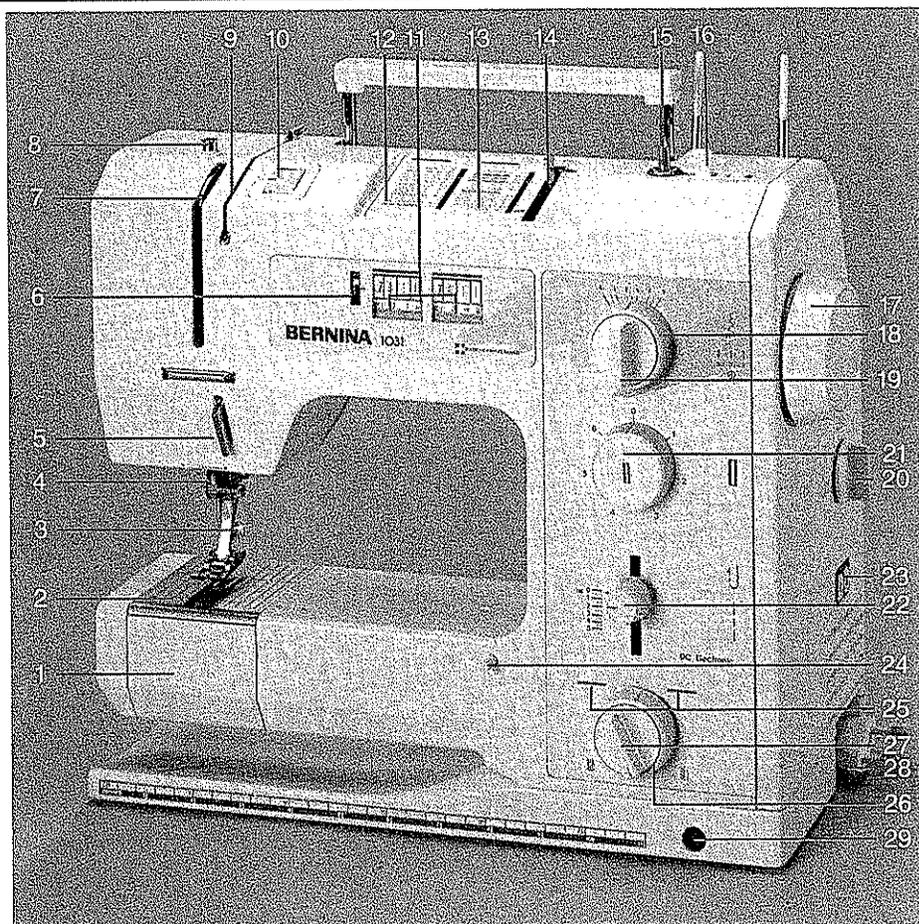


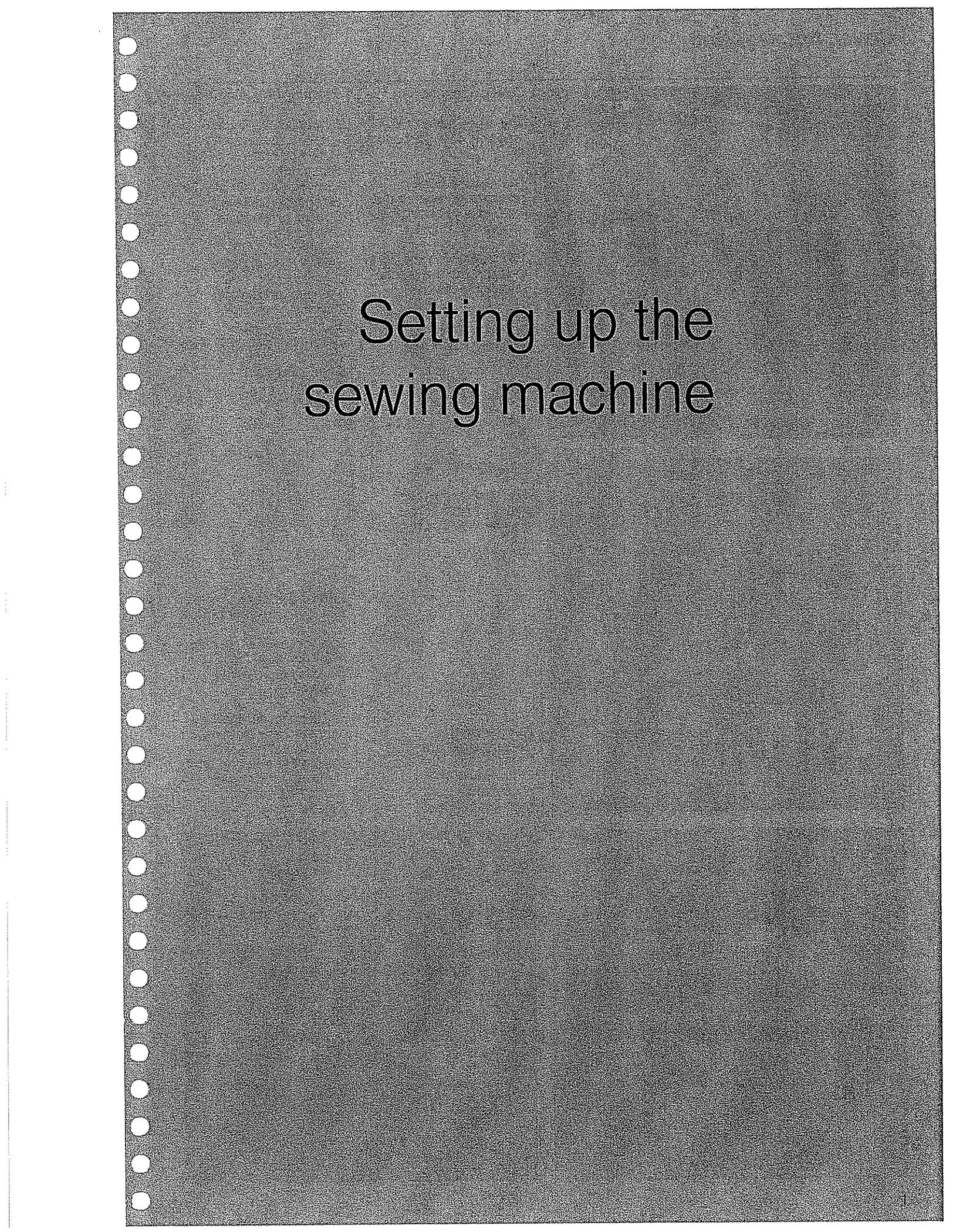
- 1 Red stitch programme
- 2 Green stitch programme
- 3 Selector lever
- 4 Basic setting scale, red stitches
 - a. Presser foot indicator
 - b. Stitch width
 - c. Stitch length
 - d. Needle position
- 5 Basic setting scale, green stitches
 - a. Presser foot indicator
 - b. Stitch width
 - c. Stitch length
 - d. Needle position
- 6 Pattern indicator
- 7 Stitch width knob
- 8 Needle position knob
- 9 Buttonhole knob
- 10 Stitch length knob
- 11 Red-Green stitch programme selector knob
- 12 Feed-dog knob



Details of machine

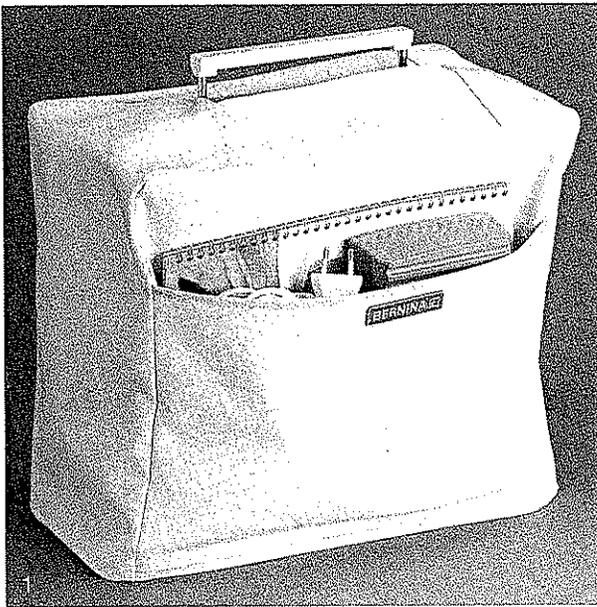
- 1 Hinged front cover
- 2 Stitch plate
- 3 Presser foot
- 4 Needle clamp
- 5 Thread regulator
- 6 Pattern indicator
- 7 Thread take-up lever
- 8 Pre-tension stud
- 9 Thread tension slot
- 10 Adjusting knob for thread tension
- 11 Basic setting scale
- 12 Red stitches
- 13 Green stitches
- 14 Selector lever
- 15 Bobbin spindle
- 16 Engaging lever for bobbin winder
- 17 Handwheel
- 18 Stitch width knob
- 19 Needle position knob
- 20 Power switch
- 21 Buttonhole knob
- 22 Stitch length knob
- 23 Socket for foot control unit
- 24 Securing pins for sewing table
- 25 Indicator for stitch programme (RED-GREEN)
- 26 Stitch programme selector knob
- 27 Selector knob for sewing/darning
- 28 Mains cable
- 29 Presser foot lifter socket
- 30 Presser foot lever
- 31 Cable winder knob
- 32 Carrying handle
- 33 Sewing light switch
- 34 Thread guide
- 35 Thread holder pins
- 36 Thread cutter





Setting up the sewing machine

Cover, Accessories



Cover, accessories

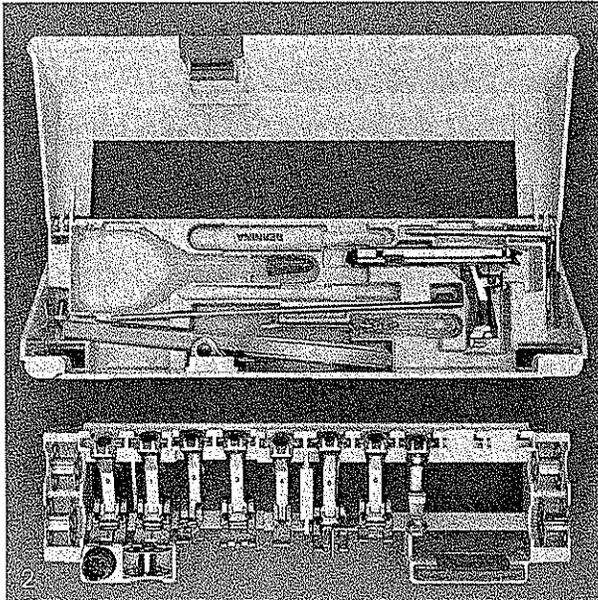
The cover protects the machine from dust and dirt.

The outside pocket provides storage for the instruction manual, foot control and cable.

The machine is very easy to carry with the practical, retractable handle.

Standard accessories

- 6 bobbins with holes
- Needle assortment
- Ruler/template
- Seam ripper
- Darning ring with arm
- Small screwdriver
- Special screwdriver
- Cleaning brush
- Oiler, filled
- Seam/quilting guide
- Zig-zag foot
- Reverse pattern foot
- Overlock foot
- Buttonhole foot
- Buttonhole foot with slide
- Zip foot
- Blind stitch foot
- Embroidery foot
- Darning foot



Accessories box

The accessories are neatly stored in the accessories box (Fig. 2).

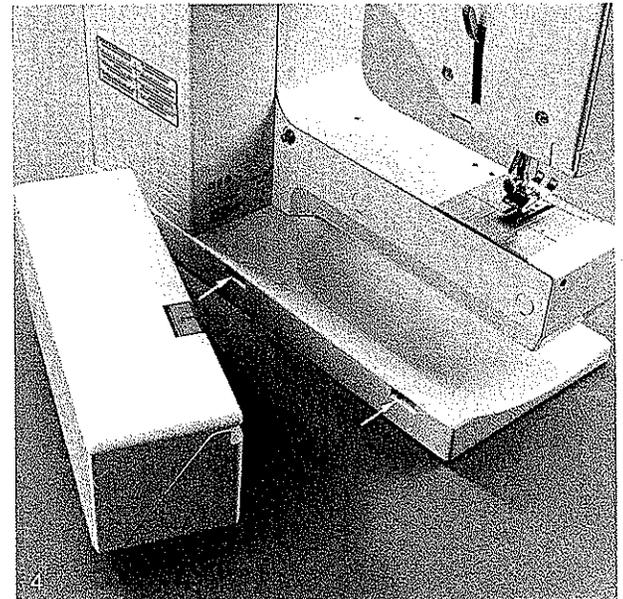
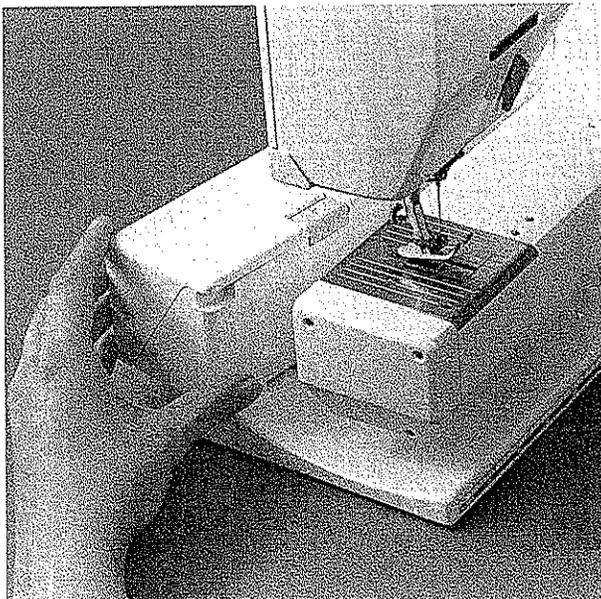
Fitting the accessories box onto the machine

The accessories box has two fixing lugs that fit into the base plate of the machine.

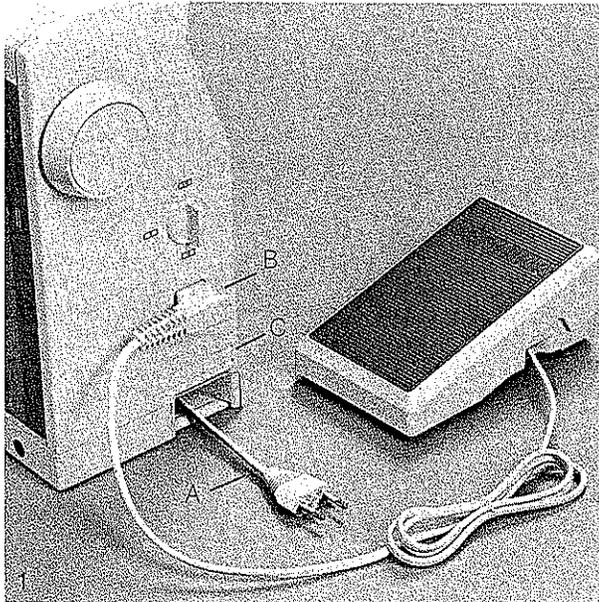
Removing the accessories box

Simply push the accessories box backwards (Fig. 3).

Lay the accessories box onto the base plate from the rear and press against the free arm until the fixing lugs engage in the holes provided (Fig. 4).



Mains cable, foot control unit, sewing light, power switch, needle stop



Connecting mains cable and foot control unit

Pull the mains cable (A) out from the machine and plug into a power socket. Plug the foot control cable into (B). Press button (C) to automatically rewind the mains cable into the machine.

WARNING (USA/Canada only)

This sewing machine has a polarized plug (one blade wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not modify the plug in any way.

Foot control unit

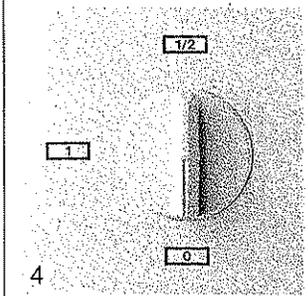
This is used to regulate the sewing speed.

The sewing speed can be controlled from virtually 0 to maximum speed by varying the pressure on the plate of the foot control unit.

USA/Canada only use only foot controller Type 11.

Sewing light

The sewing light is switched on and off by means of the switch at the rear of the machine. When the power switch is in the  position, the sewing light is also off.



Power switch

The power switch is below the handwheel (Fig. 4) and has 3 positions.

 **Off** The machine is switched off.

 **On** The machine is switched on for full sewing speed.

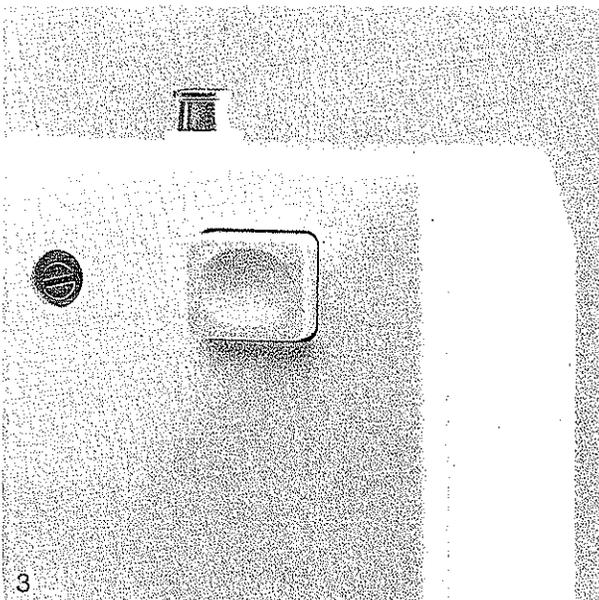
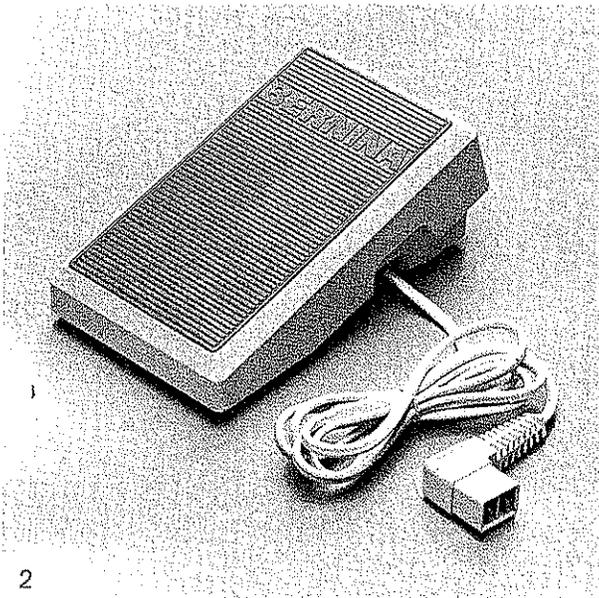
 **1/2** The machine is switched on for reduced sewing speed. In this position, the maximum speed is reduced to about half. With the machine switched to reduced sewing speed, difficult work will be easier to handle, even for the inexperienced user.

Needle stop and foot control unit

Whenever you stop sewing, the electronic system returns the needle to its highest position. By gently tapping the back of the foot control, the needle can be moved electronically down into the work or up again out of the work.

Motor

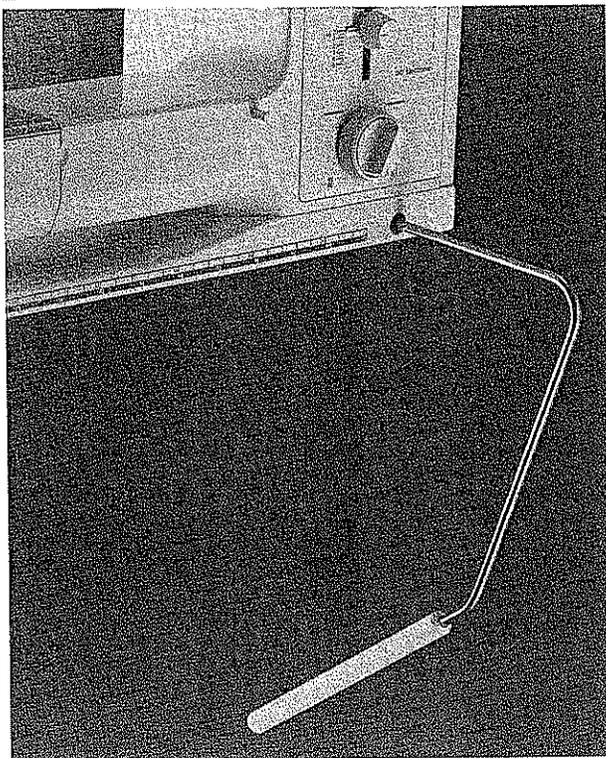
The D.C. motor and electronic speed control give exceptionally good fabric penetration, even when sewing at slow speed.



2

3

Presser foot lifter, sewing table



Raise the presser foot Lower the feed-dog

Many sewing techniques are much simpler if both hands are free to guide the work.

The presser foot lifter is operated by the right knee and is used to raise and lower the presser foot, leaving both hands free.

When the presser foot lifter is moved to the right, the presser foot is raised and at the same time the feed-dog is lowered.

The next stitch returns the feed-dog to the normal sewing position.

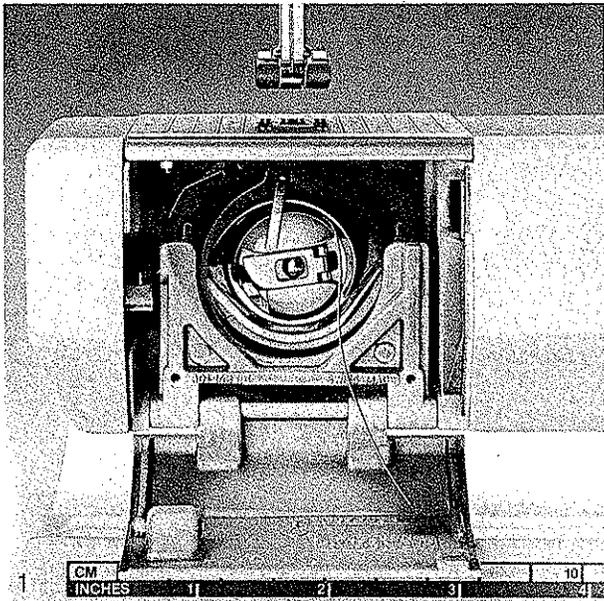
Attaching the presser foot lifter

The presser foot lifter socket is located on the front right hand side of the base plate. Insert the presser foot lifter so that it hangs to the left.

It should be possible to operate the presser foot lifter comfortably with the right knee, without the need to alter the customary sitting position. If the angle of the presser foot lifter is uncomfortable, it can be adjusted.

Your BERNINA dealer will be pleased to make this adjustment for you.

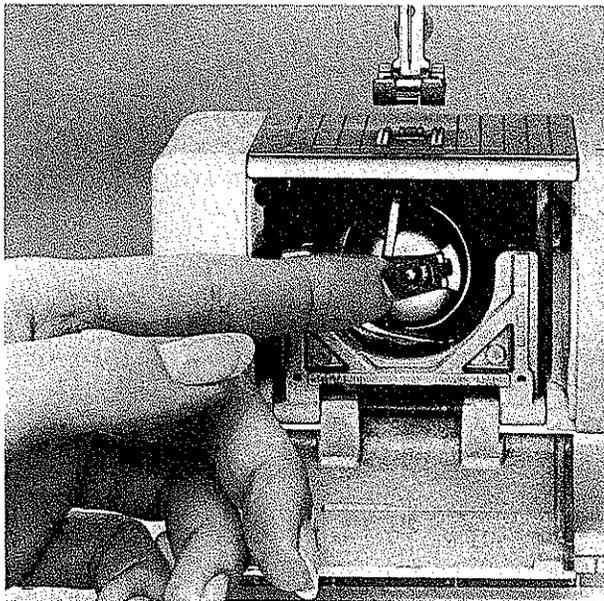
Bobbin case and bobbin, winding lower thread



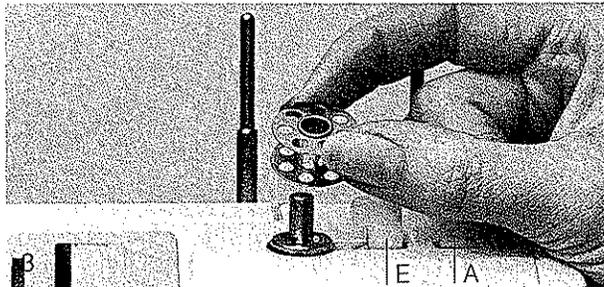
Removing the bobbin case

Set the power switch to the position.

Check that the needle is raised. Open the hinged front cover on the free arm (Fig. 1).

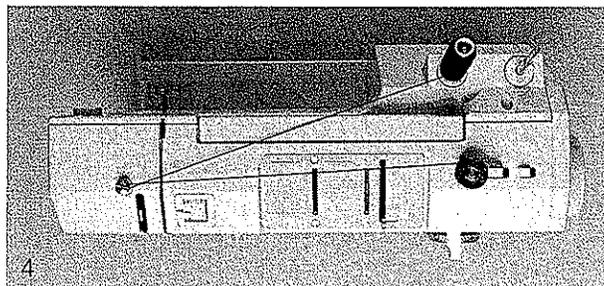


With the index finger and thumb of the left hand, pull the bobbin case latch forward and remove the bobbin case (Fig. 2).



Winding lower thread

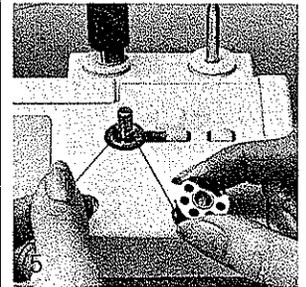
Place empty bobbin on spindle (Fig. 3). Take thread from the reel of thread on the thread holder pin, pass thread clockwise around the pre-tension stud to the empty bobbin (Fig. 4). Wind around the empty bobbin several times, again in a clockwise direction.



Set the power switch to the position. Press the engaging lever E against the bobbin. The bobbin motor will start to run. When the bobbin is full, the bobbin winder will stop automatically. The winding operation can be stopped at any time, if necessary, by pressing lever A (Fig. 3).

WARNING:

Please refer to the Safety Instructions.



When removing the bobbin, cut the thread by pulling it under and up against the thread cutter at the base of the spindle (Fig. 5).