Instruction Manual

BERNINA® 1260

GB
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.

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 1260. 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
A Practical stitches
B Buttonholes
C Decorative stitches
   Alphabet – block letters/numbers
D Handwriting letters/numbers

13 Needle position buttons
14 Selector knob for stitch width
16 Selector knob for stitch length
26 Presser foot indicator
31 Needle stop down
32 ½ speed
33 Reverse sewing button
34 Pattern begin
35 Selector button for buttonhole steps
36 Long stitch
37 Elastic stitch
38, 39 Balance
40 Clear button
41 Light beam with blinker for stitch width
42 Light beam with blinker for stitch length
43 Selector button:
   Decorative stitches,
   Block letters,
   Handwriting letters
44 Programming button/Repeat button
45 Single pattern/pattern end
46 Mirror image
47 Double stitch pattern
48 Double needle limitation
Carrying case

Carrying case, accessories

The carrying case protects the machine from dust and dirt.

Always carry the machine by its handle.

Hold the carrying case with both hands to the sides and lift it straight upwards.

The case has a built-in accessories compartment. Press regulating bar «T» to swing out the accessories compartment. This has space to stow the foot control unit, machine cable, the presser foot lifter, the sewing table, seam guide and BERNINA instruction books.
Removing the accessories box

Simply push the accessories box backwards.

Standard accessories for the BERNINA 1260

6 bobbins with holes
130/705 H needle assortment
Ruler-template
Seam ripper
Darning ring with arm
Needle threader
Small screwdriver
Special screwdriver
Cleaning brush
Oil, filled
Seam/quilting guide
Reverse pattern foot
Overlock foot
Blind stitch foot
Buttonhole foot
Special buttonhole foot
Zip foot
Darning foot
Jeans foot
Tailor tack foot
Embroidery foot

Accessories box

The accessories box allows accessories to be seen at a glance.

Fitting the accessories box onto the machine

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

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

Connecting mains cable and foot control unit

Plug the mains cable «A» into power socket. Plug the foot control into socket «B».

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

The foot control is used to regulate the sewing speed.

The sewing speed can be controlled from absolute minimum to maximum-speed by varying the pressure on the plate of the control.

USA/Canada only
Use only foot controller Type 366.

Power switch

The power switch is the rear knob on the handwheel side of the machine.

1. The machine is switched off.
2. The machine is switched on.

Electronic needle stop and foot control unit

When you stop sewing the electronic system returns the needle to its highest or lowest position. By gently tapping the back of the foot control with your heel, the needle can be moved up or down.

Motor

The D.C. motor and electronic speed control give exceptionally good fabric penetration power, even when sewing at slow speed.
Free Hand System (FHS), sewing table

Raise the presser foot
Lower the feed dog

Many sewing operations 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 sewing position.

Attaching the presser foot lifter

The presser foot lifter is stored in the carrying case (see picture on page 8). 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 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.

Fitting the sewing table

Slide the table along the free arm until the centering pins engage in the holes provided. Press firmly from the left to lock the sewing table in position on the machine.

Removing the sewing table

Push firmly to the left (away from the machine) to release the sewing table.

Sewing table

The sewing table enlarges the working surface and simplifies all sewing work where the free-arm is not required.

The seam guide is pushed from the left into the groove on the underside of the table and can be adjusted over the whole width of the sewing table.

The seam guide is in addition to the small ruler provided in the accessory box and allows you to sew and guide any seam width up to 15 cm (6").

The «O» on the measurement scale represents the centre needle position.
The 1260 is supplied with two panels – one attached to the machine and a supplementary panel in the pocket on the inside back page of this instruction manual.

The supplementary panel provides an additional selection of decorative stitches, letters and numbers. The panels have an indent on the right side. To change the panel, put your finger in the indent, pull the panel off and then attach the other panel by pushing it on firmly.

The magnets on the back of the panels are also the data chips.

Please handle the panels with care!
Bobbin case and bobbin, winding lower thread

Removing the bobbin case

Turn the power switch to the middle position. Raise the needle and handwheel. Open the hinged front cover on the free arm (fig. 1). Pull the bobbin case latch forward with the index finger of the left hand (fig. 2) and remove the bobbin case.

Winding the lower thread

Turn power switch to middle position. Place empty bobbin on spindle (fig. 3). Take thread from the reel on the spool holder pin, clockwise around the pretension stud to the empty bobbin (fig. 4). Bring the thread up through one of the holes in the bobbin case. Press the engaging lever "E" against the bobbin. Press the foot control to start the bobbin winder motor and hold the thread end until it breaks. The speed of the bobbin winder can be regulated by increasing or decreasing the pressure on the foot control.

WARNING:

Please refer to the safety instructions.

When removing the bobbin, take the thread over the small knife (fig. 5) to cut it.
Inserting the bobbin

Hold the bobbin case in the left hand. Insert the bobbin with the thread running in a clockwise direction, see arrow.

Bring thread anticlockwise to the slot.

Pull the thread into the slot and under the spring until it lies in the T-shaped slot at the end of the spring. When the end of the thread is pulled, the bobbin should turn clockwise, in the direction of the arrow.

Inserting the bobbin case into the hook

Hold the bobbin case by the latch with the index finger and thumb of the left hand. Insert so that the finger of the bobbin case points upwards, engaging in the notch of the hook race cover. Check: pull end of thread. Close the hinged front cover.
Threading the upper thread

1. Turn the power switch to .
2. Check that the needle is fully raised.
3. Raise the presser foot.
4. Place thread spool on one of the spool holders and hold while threading.
5. Slip the thread into the first guide on the back of the machine and then take it through the long slit of the thread tension (fig. 1).
6. Take the thread down through the long slot «A» on the front of the machine, slip it into the thread regulator «B», up into the slit of the thread take-up «C» and down again to the thread guide «D» on the needle clamp (fig. 2).
7. Thread the needle from front to back.
8. The eye of the needle is easy to see against the white plate on the presser foot shaft. Pull the thread approx. 10 cm (4") through the needle.
9. When using special threads such as metal or embroidery threads which wind quickly off the spool, thread the supplementary guide on the handle to control the thread feed.
10. When using the supplementary guide, take the thread directly from the spool to the guide and raise the handle (fig. 3). Continue threading as described above.

Quick needle threader

1. The needle threader is positioned on the right of the machine, under the handwheel.
2. Lay the thread lightly across the threader (fig. 4).
3. Run the threader down the needle from top to bottom (fig. 5).
4. When it reaches the eye, press the threader gently and remove it once the thread is through the needle eye (fig. 6).

WARNING:
Please refer to the safety instructions.
Bringing up the lower thread

Turn the power switch to .
Hold the end of the upper thread and sew a stitch by tapping the foot control once. Pull the upper thread to bring the lower thread up through the stitch plate hole (fig. 1). Take both threads through the slot in the presser foot and to the side of the foot.

Instead of tapping the foot control, the lower thread can be brought up by turning the handwheel forwards until the needle is in its highest position.

Lowering the feed-dog

For certain types of sewing, e.g. darning, the fabric must not be moved by the feed-dog.
To lower the feed-dog, turn the knob on the handwheel side of the machine to the right until it points to the symbol (fig. 2). For normal sewing, the knob should face the symbol  .

Thread cutter

To remove your work, raise the presser foot, take the work out to the rear left and hook both threads into the cutter. The threads ends remain secure until sewing is continued (fig. 3).

Thread tension

One of the main advantages of BERNINA machines is that there is very rarely any need to alter the thread tension for normal sewing. For the normal tension setting, the red mark on the tension regulating dial should match the adjacent mark on the machine (fig. 4). For special sewing, the thread tension can be adjusted with the aid of the regulating dial. Turning the tension regulating dial forwards, to number 4 or below, gives a looser upper thread tension. Turning the tension regulating dial backwards, to number 6 or above, gives a tighter upper thread tension. When the tension is correctly set, the upper and lower threads form loops between the two layers of fabric (fig. 5).

Incorrect upper thread tension will produce knots, loose loops or thread breakage. If tension is too loose knots will form on the underside (fig. 6). If tension is too tight knots will form on the upper side (fig. 7).

Important!
The thread tension should be reset to normal when the special sewing has been completed.
Inserting the needle, changing presser feet

**Inserting the needle**

Use the small brown screwdriver provided in the accessory box to loosen or tighten the needle clamp.

Set the power switch to ✅. Check that the needle is raised. Lower the presser foot.

To insert the needle:
The flat side of the needle should always be to the back. Insert the needle until it reaches the top of the clamp. If the needle is not fully inserted, faulty stitches will occur.

**WARNING:**
Please refer to the safety instructions.

**Changing presser feet**

A description of presser feet and their uses can be found on page 19.

Successful sewing depends on the correct choice of presser foot. The feet are very easy to change.

Turn the power switch to ✅.

Check that the needle is raised.

Raise the presser foot (fig. 2).

Raise the clamping lever with the index finger of the right hand and using the middle finger and the thumb, remove the presser foot (fig. 3).

To attach the presser foot, the procedure is the same but press the clamping lever downwards with the index finger (fig. 4).

Turn the power switch to ✅.
1. Needles and sewing machine

Your BERNINA uses needle system 130/705H. Make sure you buy this system when replacing needles. Needles are available in sizes 70 to 120. The finer the needle, the lower the number. The opposite applies to thread – the finer the thread, the higher the number.

The table below shows which needle should be used for which thread.

2. Needles and thread

The needle size required depends on the thread selected. The needle must suit the thread.

When sewing, the thread lies in the long groove of the needle (fig. 1). If the needle is too fine, the thread will not fit into the groove (fig. 2) and faulty stitching will occur.

3. Needle and fabric

Needle condition

Hard, closely woven fabrics sometimes require a stronger needle than those shown in the Needle/thread table in order to achieve perfect stitch formation on both sides of the fabric.

The needle must be in perfect condition. Sewing problems are caused by:
- bent needles (A)
- blunt needles (B)
- hooked tips (C)

<table>
<thead>
<tr>
<th>Needle/Thread Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Needle</td>
</tr>
<tr>
<td>Darning thread</td>
</tr>
<tr>
<td>Embroidery thread no. 30</td>
</tr>
<tr>
<td>Sewing thread</td>
</tr>
<tr>
<td>Mercerised cotton</td>
</tr>
<tr>
<td>Synthetic sewing thread</td>
</tr>
<tr>
<td>Coarse mercerised cotton</td>
</tr>
<tr>
<td>Mercerised synthetic</td>
</tr>
<tr>
<td>Buttonhole thread for top stitching (Cordonnet)</td>
</tr>
</tbody>
</table>
The modern domestic sewing machine is capable of handling a large variety of fabrics. However, as in industry, special needles are required for different fabrics, e.g. needles with various different points.

<table>
<thead>
<tr>
<th>Table of special needles</th>
<th>Needle description</th>
<th>Needle point</th>
<th>Suitable for</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard needle</strong></td>
<td>130/705 H</td>
<td>Normal point, slightly rounded</td>
<td>Universal needle for woven synthetic and natural fibres, e.g. linen, chiffon, batiste, organdy, wool, velvet</td>
</tr>
<tr>
<td><strong>Special needles</strong></td>
<td>130/705 SES</td>
<td>Fine ball point</td>
<td>Fine knitted fabrics, made from silk, synthetics, cotton and fine wool</td>
</tr>
<tr>
<td></td>
<td>130/705 H-SUK</td>
<td>Medium ball point</td>
<td>Heavier knitted fabrics in synthetic or natural fibres</td>
</tr>
<tr>
<td></td>
<td>130/705 H-S</td>
<td>Medium ball point</td>
<td>Special stretch needle. Especially for delicate or difficult stretch fabrics</td>
</tr>
<tr>
<td></td>
<td>130/705 H-J</td>
<td>Extra fine point</td>
<td>Workwear, heavy linen, denim fabrics, canvas. Pierces dense fabrics more easily</td>
</tr>
<tr>
<td></td>
<td>130/705 H-LR+H-LL</td>
<td>Cutting point</td>
<td>Leather, suede, calfskin, kid pigskin, imitation leathers and suedes, plastics</td>
</tr>
</tbody>
</table>
1. Fabric feed and stitch length

With each stitch the feed-dog moves forward by one step. The length of this step is governed by the stitch length selected. With an extremely short stitch length, the steps are also short. The fabric moves under the foot quite slowly, even at full sewing speed. Buttonholes, satin stitch and decorative stitches are all sewn with a short stitch length.

Important:

a) Make sure that the fabric feeds evenly.

b) Pushing will result in gaps.

c) Holding back will result in pile-ups.

2. Fabric feed and height compensation

The height compensating plates guarantee perfect fabric feed when sewing thick areas and topstitching edges. One, two or three compensating plates can be used depending on the thickness (height).

a) The feed-dog can only work properly when the presser foot is flat.

b) When sewing thick areas, the presser foot is forced upwards which does not allow the feed-dog to grip and feed the fabric correctly.

c) To compensate for the height (thickness), place one, two or three compensating plates behind the needle under the presser foot.

d) To compensate in front of the presser foot, place one or more plates to the right of the foot flush with the needle. Sew over the thick area and then remove the plates.

3. Fabric feed and sewing corners

a) The two rows of teeth of the feed-dog are quite a distance apart because of the width of the zig-zag needle hole.

b) When sewing corners, only a small part of the fabric is actually on the feed-dog so it cannot feed the work correctly.

c) For an even feed, place one or more plates to the right of the presser foot flush with the fabric edge.
Presser feet are an important aid to sewing. They are designed with grooves and guides. The success of a piece of sewing is determined by the correct choice of presser foot.

Individual presser feet are not just for one particular type of work. They can also be used to simplify other tasks.

1. **Reverse pattern foot**
   - Straight stitch
   - Zig-zag stitch
   - Practical stitches
   - Decorative stitches

2. **Overlock foot**
   - Vari-overlock seam
   - Double-overlock seam
   - Oversewing seam edges

3. **Buttonhole foot**
   - Buttonholing

3A. **Special buttonhole foot**
   - Keyhole buttonholes
   - Standard buttonholes (programmed)

4. **Zip foot**
   - Sewing in zips
   - Piping

5. **Blind stitch foot**
   - Blind hemming
   - Edge stitching

6. **Embroidery foot**
   - Decorative stitching
   - Satin stitching
   - Applique
   - Couching

7. **Tailor tacking foot**
   - Tailor tacking
   - Fringing
   - Faggotting

8. **Jeans foot**
   - Straight stitch seams in thick, hard fabrics and over thick seams

9. **Darning foot**
   - Darning
   - Free hand monograms
   - Free hand embroidery
### Simple practical stitches 1-8

#### Reinforced practical stitches 9-14

<table>
<thead>
<tr>
<th>1</th>
<th>Straight stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>All types of non-elastic fabric. All straight stitch work.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>Zig-zag stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Most types of fabric. All simple zig-zag work, e.g. overlocking, especially on fine fabrics, sewing on elastic and lace.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>Running stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Most types of fabric. Mending, patching, reinforcing edges etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4</th>
<th>Vari-Overlock</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primarily for fine synthetic, silk and cotton jersey. Elastic overlock seams and hems, particularly suitable for sports underwear, pyjamas, T-Shirts, sweatshirts, running-suits etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5</th>
<th>Stretch stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ideal for stretch fabrics. Open seams in all types of sportswear.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6</th>
<th>Universal stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>For firmer knitted fabrics, felt, leather etc. For joining seams, visible hems, patchwork, mending on interlock, sewing on elastic, decorative seams.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7</th>
<th>Blind stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Most types of work; can be used for gathering leather with perle yarn or gathering elastic; flat joining seams (edges butted together).</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8</th>
<th>Triple straight stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corduroy, denim, outer wear fabrics, deck chair covers, carpet borders, rucksacks, sleeping bags etc. Visible seams and hems, sewing on tapes.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9</th>
<th>Double overlock</th>
</tr>
</thead>
<tbody>
<tr>
<td>Firm knitted fabrics and hand and machine knitted fabrics. Overlock seam = Sewing and overlocking in one operation (pullovers, jackets, sweatshirts etc.)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10</th>
<th>Jersey stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interlock in natural, blended and synthetic fibres, velour. Visible hems, visible seams, particularly for underwear, sweatshirts and delicate knit fabrics, repairs in interlock underwear.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11</th>
<th>Honeycomb stitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Many types of interlock and jersey fabrics. Visible hems, visible seams for T-shirts, sweatshirts, underwear, napkins, tablecloths, craft work etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12</th>
<th>Stretch overlock</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medium weight knit fabrics, towelling, velour and other firm fabrics. Overlock seams, flat joining seams, craft work.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>13</th>
<th>Keyhole buttonhole</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy weight, non stretch fabrics. Jackets, coats, trousers, leisure wear, etc.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14</th>
<th>Standard buttonholes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fine to medium weight woven fabrics. Blouses, dresses, trousers, bedlinen, etc.</td>
<td></td>
</tr>
</tbody>
</table>
### Decorative stitches, Letters, Numbers

#### Decorative stitches

<table>
<thead>
<tr>
<th>«Hand-look» stitches</th>
<th>Compact stitches</th>
<th>Edging stitches</th>
<th>Pearl stitches</th>
<th>Floral stitches</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Hand-look stitches" /></td>
<td><img src="image2" alt="Compact stitches" /></td>
<td><img src="image3" alt="Edging stitches" /></td>
<td><img src="image4" alt="Pearl stitches" /></td>
<td><img src="image5" alt="Floral stitches" /></td>
</tr>
<tr>
<td>15 16 17 18</td>
<td>19 20 21 22</td>
<td>23 24 25 26</td>
<td>27 28 29 30</td>
<td>31 32 33 34</td>
</tr>
</tbody>
</table>

#### Alphabet:

**Block letters/numbers**

```
ABCDEFGHIJKLMNOPQRSTUVWXYZ
UVWXYZ
0123456789
```

#### Alphabet:

**Handwriting**

```
ABCDEFGHIJKLMNOPQRSTUVWXYZ`
`œúâéëëíï
0123456789
```

```
UVWXYZ
ÉÈÉÁÂ
```

21
### Function buttons, Use, Clearing

<table>
<thead>
<tr>
<th><strong>Presser foot indicator</strong></th>
<th><strong>CLR</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>This shows a suitable presser foot for the stitch selected.</td>
<td>All altered functions are cancelled and the basic stitch length and width settings are restored.</td>
</tr>
<tr>
<td><strong>Needle stop down</strong></td>
<td><strong>Working without MR function</strong></td>
</tr>
<tr>
<td>The machine will stop with the needle in the fabric (indication light on). When the button is pressed again the machine returns to normal, e.g. the needle is out of the fabric when the machine stops (indication light off). Use: sewing corners, applique, outline quilting.</td>
<td>Press 1x – altered settings and additional functions are cancelled.</td>
</tr>
<tr>
<td><strong>Half sewing speed</strong></td>
<td><strong>Working with MR function</strong></td>
</tr>
<tr>
<td>When the foot control is completely pressed down, the machine will only run at half speed (indication light on). Press the button to cancel this function. Use: for delicate work, sewing buttonholes, embroidery etc.</td>
<td>Press 1x – closes the MR programme. Press 2x – cancels all functions.</td>
</tr>
<tr>
<td><strong>Reverse sewing button</strong></td>
<td><strong>EXCEPTION:</strong> These functions must be cancelled individually.</td>
</tr>
<tr>
<td>The machine will sew continuously in reverse. When the button is pressed again (indicator light off), the machine will return to forward sewing. Use: mending with the Running stitch.</td>
<td>The functions in use are cancelled by pressing the appropriate buttons.</td>
</tr>
<tr>
<td><strong>Pattern begin</strong></td>
<td><strong>MR</strong></td>
</tr>
<tr>
<td>Selects the beginning of any stitch or programme. Use: embroidery.</td>
<td><strong>Programming – repeating</strong></td>
</tr>
<tr>
<td><strong>Buttonhole</strong></td>
<td><strong>For programming the selected stitch or letter.</strong></td>
</tr>
<tr>
<td>For sewing buttonholes see pages 36–39.</td>
<td>The previously memorized programme can be recalled (repeated), even after switching off or a power failure.</td>
</tr>
<tr>
<td><strong>Long stitch</strong></td>
<td><strong>Single pattern/pattern end</strong></td>
</tr>
<tr>
<td>The machine only sews every second stitch (max. stitch length 10 mm). Use: top stitching, edge stitching and basting very fine fabrics.</td>
<td>The machine will stop at the end of a stitch or stitch combination. Use: embroidering motifs and borders.</td>
</tr>
<tr>
<td><strong>Basting</strong></td>
<td><strong>Mirror image</strong></td>
</tr>
<tr>
<td>The machine only sews every sixth stitch (max. stitch length 90 mm). Use: basting.</td>
<td>The machine will sew the selected stitch or stitch combination in mirror image (the indication light goes off when a new stitch is selected). Use: sewing borders with embroidery stitches.</td>
</tr>
<tr>
<td><strong>Balance</strong></td>
<td><strong>Double stitch pattern</strong></td>
</tr>
<tr>
<td>Fine adjustment of the stitch length. Use: satin stitch, embroidery, buttonholes etc.</td>
<td>The selected stitch or the memorized programme will be sewn with double the number of stitches. Use: all embroidery.</td>
</tr>
<tr>
<td><strong>Stitch selection function for grey or red stitches</strong></td>
<td><strong>Double needle limitation</strong></td>
</tr>
<tr>
<td>Yellow indication light – for grey stitches on the panel. Red indication light – for red stitches on the panel.</td>
<td>The stitch width is restricted to the maximum width for a 2mm double needle (no needle breakages). This function is cancelled by pressing the CLR button. Use: sewing with a double needle.</td>
</tr>
</tbody>
</table>
Straight stitch, needle positions

Forward stitching
Select straight stitch – the indicator light will come on. The stitch length light beam will show the automatic basic setting.

To alter stitch length
The stitch length can be adjusted with the stitch length knob to suit the sewing and fabric. The blinker will always show the basic setting. The stitch length is returned to the basic setting by pressing the CLR button.

Securing the ends
(At the beginning and end of a seam) Press the Securing stitch control and the machine will sew in reverse. After 3–4 stitches, release the Securing stitch control and the machine will sew forwards again (fig. 1).

Zig-zag stitch / practical stitches

Zig-zag stitch / practical stitches
Select zig-zag stitch or a practical stitch. The indicator light will come on. The blinkers will show the automatic basic setting for the stitch width and the stitch length.

To alter the stitch width
The stitch width can be adjusted with the stitch width knob to suit the sewing and fabric. The stitch width of any stitch can be altered at any time, even while sewing. The stitch width is returned to basic setting by pressing the CLR button.

Oversewing edges
Stitch selection:
Needle: 80/70
Thread: Embroidery 60/ darning thread
If necessary adjust the stitch width and stitch length to suit the fabric. Generally, the zig-zag should not be too wide or the stitch length too long. Use as fine a thread as possible, especially on fine fabrics. Begin by cutting away the frayed edges. Guide the edge of the fabric to the centre of the foot, so that the needle goes into the fabric, then over the edge.

Satin stitch
= close zig-zag
Select zig-zag stitch, adjust stitch width as required. Set stitch length to satin stitch. Sew a test piece!
Automatic storage

An individual alteration to a stitch width, length and/or needle position will remain in the machine, even when any number of other stitches are selected in between.

For example

1. Select zig-zag (basic setting).
2. Alter the stitch width to 5 and stitch length to 1.
3. Select Running stitch, alter width to 4, length to 1.
4. Select straight stitch (basic setting).
5. Select zig-zag, the altered settings remain.
6. Select Running stitch, the altered settings remain.

Any two stitches can be stored in this way. The altered values are retained until reset or cleared, or until the machine is switched off.

To return to the basic setting

There are two ways of doing this:
- Manually reset to the blinker. Use this method when wishing to reset only the width or the length of a stitch. Or when wishing to reset only one of two altered stitches.
- With the CLR button. This clears all altered settings.

Decorative stitches, altering the basic setting

Altering the basic setting

The basic stitch width and length settings can be altered to suit the fabric and type of work.

Example:

1. Select the desired stitch (indicator light on) (basic setting).
2. Alter stitch width to 2. Press the Pattern begin button "A" and sew.
Decorative stitches, combining with functions

Combining the basic settings and functions

Combining the basic settings and functions can give some surprising effects.

The following functions can be combined with the basic settings:

Mirror image

Double stitch pattern

Balance

Long stitch

Double needle limitation

Reverse sewing

Example:

<table>
<thead>
<tr>
<th>ca. 22 x</th>
<th>10 x</th>
<th>10 x</th>
</tr>
</thead>
<tbody>
<tr>
<td>+</td>
<td>+</td>
<td>-</td>
</tr>
</tbody>
</table>

Method:

- Select the desired stitch.
- Select the desired function.

A number of functions may be combined simultaneously with a basic stitch.

Balance

Various effects (stitch changes) result through adding numbers of Balance + or – to a stitch.
Decorative stitches, programming

Programming enables groups of stitches to be selected and stored.

Up to 50 stitches can be programmed into the memory.

Method:
- Press MR button (the upper indication light will come on).
- Select the desired stitch and press M+.
- Select the next desired stitch and continue as above.

Before selecting a new programme, press the CLR button x 2 and clear any individual functions by pressing the appropriate button.

Repeating the programme

If other sewing (without the programme) is required, the last memorized programme can be returned to simply by pressing the MR button (x 1 only).

A useful tip for all embroidery work:

Pattern begin:

Always press this button before starting to sew. The machine will then be at the start of the pattern.

Single pattern/pattern end:

The machine will stop:
- at the end of a stitch, or
- at the end of a programmed group of stitches.

Use: Embroidery motifs repeats

Reduced speed:

Use: Buttonholes, embroidery

Example 1
(sewn continuously)

- Select MR
- Stitch 19/ M+ 1x
- Stitch 25/ M+ 1x
- Stitch 20/ M+ 2x
- Stitch 25/ M+ 1x

Example 2
(sewn continuously)

- Select MR
- Stitch 30/ M+ 1x
- Select Mirror image M+/ M+ 1x

Example 3
(sewn in programmed groups)

- Select MR
- Stitch 23/ M+ 1x
- Stitch 31/ M+ 2x
- Stitch 23/ M+ 1x
- Select Single pattern/ pattern end

Example 4
(sewn in programmed groups)

- Select MR
- Stitch 27/ M+ 1x
- Stitch 34/ M+ 1x
- Select Mirror image M+/ M+ 1x
- Clear Mirror image M+/ M+ 1x
- Stitch 27/ M+ 1x
- Select Single pattern/ pattern end
### Programming/combinig

Up to 50 symbols can be entered into the memory, a space between words counts as one entry. Pressing the CLR button once clears the program. The memory allows any programme until either the memory is full or the CLR button is pressed. Practical and decorative stitches, letters, numbers and/or Mirror image can be combined and programmed. Other functions can be combined with a memorized programme.

**Method:**
- Press MR (upper indication light is on).
- The yellow light should be on for grey stitches on the panel.
- The red light should be on for red stitches on the panel.
- Select the desired stitch and press M+ (lower indication light is on), etc.

### Altering the basic setting

By altering, for example, the stitch width, letters and numbers can be worked to the desired size or perhaps small/large letters combined together. With the Balance button to give a fine adjustment to the stitch length, any stitch can be regulated to suit the fabric and the thread.

### Repeating the memorized programme

By selecting the MR button the last memorized programme is recalled (repeated). The indication light will show the first stitch of this programme (decorative stitch or letter). This programme will remain in the machine until a new sequence is entered into the memory.

#### Example 1

- BERNINA 1994
  - Press MR
  - Press stitch selection (yellow light is on)
  - B/M+ 1x
  - E/M+ 1x
  - R/M+ 1x
  - N/M+ 1x
  - I/M+ 1x
  - N/M+ 1x
  - A/M+ 1x
  - space/M+ 1x
  - Press stitch selection (red light is on)
  - 1/M+ 1x
  - 9/M+ 2x
  - 4/M+ 1x

If the result is satisfactory complete the sequence by pressing CLR once. To recall the programme select MR and press CLR, if you want to sew the programme with double the stitches, press 2x.

#### Example 2

Supplementary panel

The letters on the second panel are programmed in exactly the same way as the block letters. After sewing, the connecting threads between the letters are cut away.

**Before selecting a new programme sequence, press CLR twice and cancel special functions individually by pressing the appropriate buttons.**

### Example 3

(altering basic settings)

- BERNINA
  - Press MR
  - Press stitch selection (yellow light is on)
  - Stitch 27/M+ 1x
  - Press stitch selection (red light is on)
  - B/M+ 1x
  - Select E
  - Alter stitch width to 3
  - M+ 1x
  - R/M+ 1x
  - N/M+ 1x
  - I/M+ 1x
  - N/M+ 1x
  - A/M+ 1x
  - Press stitch selection (yellow light is on)
  - Stitch 27/M 1x

#### To make corrections

Press CLR and cancel individual functions by pressing the appropriate buttons. Reprogramme.
Important:

1. Use a perfect needle. Even a very slightly blunt needle will damage knit, causing it to ladder.

2. Use fine thread, particularly for fine knits. Coarse thread can also damage the knit.

3. Use darning thread for basting. It is easier to remove than the thicker and shorter fibre basting thread.

4. Press each seam as it is sewn, before moving on to the next stage of sewing.

5. Sew a sample to test stitch and stretch. As the elasticity of modern fabrics varies considerably, the basic setting should be adjusted where necessary to suit the fabric.

To achieve maximum stretch:
- shorten the stitch length slightly and/or
- increase the stitch width slightly.

This puts more thread in the seam and improves its elasticity. The seam should stretch as much as the fabric.

---

Neckband with Honeycomb stitch

- Needle: 80
- Thread: Sewing thread
- Feed-dog: 
- Stitch: 
- Honeycomb stitch

Press 1 cm (¾") to wrong side. Sew from the right at a foot’s width from the edge. Trim surplus fabric on the wrong side (if necessary).

---

Neckband with overlock stitch

- Needle: 80/70
- Thread: Sewing thread
- Feed-dog: 
- Stitch: 
- Vari-overlock

Specially designed for all fine knitted fabrics. Fold the neckband in half and press. Make sure the edges are perfectly straight. Pin and baste, right sides together, so that the edges of neckband are exactly in line with neckline edge. Position the work so that all edges are guided to the pin of the overlock foot.
Practical stitch hems

Preparation
Baste the hem, depth of hem plus minimum of 1 cm (¼") extra, sew and cut away surplus fabric close to stitch. Check with instructions for working with knitted fabrics (page 28).

Visible hem with Jersey stitch
- Needle: 80
- Thread: Sewing thread
- Feed-dog: 
- Stitch: Jersey stitch

Elastic visible hem for interlocks in cotton, fine wool, synthetic and blended fibres.

Visible hem with Triple zig-zag
- Needle: 80
- Thread: Sewing thread
- Feed-dog: 
- Stitch: Triple zig-zag
- Stitch width: 2½–5, depending on fabric

Hard wearing visible hem for firm fabrics, e.g., denim, outer wear fabrics, deckchair fabric etc.
Practical stitch seams

The type of seam chosen is governed by the garment being sewn, the choice of stitch primarily by the fabric being used. There are 3 types of seams:

- **Open seams:**
  Seams that are pressed open. They lie flat and are not bulky.
  Use: dresses, trousers, skirts, coats, etc.

- **Overlock seams:**
  Seams that are sewn and neated in one operation.
  Use: knitted fabrics for pullovers, T-shirts, sweatshirts, running suits, underwear and for hand and machine knitted garments.

- **Flat joining seams:**
  Seams in which the edges are overlapped and oversewn.
  Use: beachwear, leisure wear, foundation garments and craft work.

### Triple straight stitch seam
- Open seam
- Needle: 80–90
- Thread: Sewing thread
- Feed-dog: 
- **Stitch:** Triple straight stitch
  Hard-wearing reinforced seam for firm fabrics.

### Zig-zag seam
- Open seam
- Needle: 80
- Thread: Sewing thread
- Feed-dog: 
- **Stitch:** Zig-zag stitch
  Stitch width: approx. 1
  Stitch length: approx 1½
  Elastic seam for interlock fabrics in wool, synthetic or blended fibres, and for silk, cotton and wool jersey.

### Stretch seam
- Open seam
- Needle: 80
- Thread: Sewing thread
- Feed-dog: 
- **Stitch:** Stretch stitch
  Highly elastic seam for stretch fabrics, especially sportswear.
### Practical stitch seams

<table>
<thead>
<tr>
<th>Vari-overlock seam</th>
<th>Double overlock seam</th>
<th>Stretch overlock seam</th>
<th>Flat joining seam</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thread: Sewing thread</td>
<td>Thread: Sewing thread</td>
<td>Thread: Sewing thread</td>
<td>Thread: Sewing thread</td>
</tr>
<tr>
<td>Feed-dog: □□□□□□□□</td>
<td>Feed-dog: □□□□□□□□</td>
<td>Feed-dog: □□□□□□□□</td>
<td>Feed-dog: □□□□□□□□</td>
</tr>
<tr>
<td>• Stitch: WWV</td>
<td>• Stitch: □□□□</td>
<td>• Stitch: □□□□□□□□□□</td>
<td>• Stitch: □□□□□□□□</td>
</tr>
<tr>
<td>Vari-overlock</td>
<td>Double overlock</td>
<td>Stretch overlock</td>
<td>Stretch overlock</td>
</tr>
<tr>
<td></td>
<td>Elast. overlock seam for firm, course or open knitted fabrics.</td>
<td>Elast. overlock seam for thick, soft or looser knitted fabrics.</td>
<td>Visible seam for towelling, velour, leather etc.</td>
</tr>
</tbody>
</table>

Highly elastic overlock seam for all fine jerseys: dresses, blouses, underwear sports-underwear.
Zip fastener inserted flat

**Method:**
Baste the zip into position so that the teeth are covered by the fabric. Sew in the zip, each side from bottom to top, once with needle position right and once with needle position left.

**Tip:**
Hold thread when starting to sew, especially on outer edges, pockets, etc.

If the fabric and/or zip make a thick, hard surface, it is worth trying a 90 or 100 needle to obtain perfect stitch formation on both sides.

---

**Jeans foot**

**Needle:** 80
**Thread:** Sewing thread
**Zip foot:** 4
**Feed-dog:** Stitch
**Stitch:** Straight stitch

**Alteration:** Needle position left/right

**Thick fabrics and seams**

The Jeans foot makes it easier to sew thick and hard fabrics. Select a stitch length between 3 and 4 to suit the fabric.

Note that the needle position setting must be «centre», and the stitch width «0».

Use a Jeans needle or needle size 100.

---

**Plastic/Leather**

**Plastic**

Like synthetic fabrics, plastic is also made from a varying number of raw materials. When sewn, plastic should be handled according to the surface and grain. If the fabric does not feed correctly, i.e. sticks to the presser foot, use one of the following special presser feet:
Walking foot (No. 50), Roller foot (No. 51), Teflon foot (No. 52). Always sew plastic with a long stitch length to avoid tearing.

**Leather and imitation leather**

Naturally it is possible to sew leather. Some leathers will require a special leather needle. Always sew a test piece before starting on the work itself. The stitch length should not be too short. Use Walking foot (No. 50), or Roller foot (No. 51), or Teflon foot (No. 52) as required.
(These presser feet are optional accessories).
### Long stitch

With the Long stitch, the machine sews every other stitch, giving a maximum stitch length of 10 mm.

- **Needle**: 80
- **Thread**: Sewing thread
- **Feed-dog**: 
- **Stitch**: 
- **Straight stitch**
- **Stitch length**: 3–5
- **Needle position**: any
- **Function button**: — Long stitch

For fine fabrics Long stitch can also be used for basting.

For top stitching the Long stitch can be combined with the Triple straight stitch.

---

### Basting stitch

With Basting stitch, the machine sews every sixth stitch, producing long Basting stitches, up to a maximum length of 3 cm/1¼". Basting stitches can be sewn in any of the 5 needle positions.

- **Needle**: 80–90
- **Thread**: sewing thread / Basting thread
- **Feed-dog**: 
- **Stitch**: 
- **Straight stitch**
- **Stitch length**: 1½–5
- **Needle position**: any
- **Function button**: Basting stitch

**Tip:**
To secure the ends at the beginning and end of the seam, sew a few stitches with normal straight stitching.
Blind hemming

Needle: 80-70
Thread: Sewing/Darning thread
Feed-dog: ▲▲▲▲

Stitch: ▲▲▲
Blind stitch

Preparation

Prepare hem as for hand sewn hem.

Positioning the hem

Position work under the foot as shown in fig. 1.

Sewing

The needle should just catch the edge of the fabric, as when sewing by hand. Given the variations in fabric qualities and thicknesses, it is advisable to test sew. Minor adjustments to the stitch width may be necessary.

Tip:
While sewing, hold the fabric back slightly.
Collars, cuffs, lapels, hems etc.

**Narrow edge stitching**

Needle: 80–90
Thread: Sewing thread
Feed-dog:  

- Stitch: ------
  Straight stitch
  Stitch length as required.

Needle position:
Left for outer edges
Needle position:
Right for turned in edges
Presser foot:
No. 5 Blind Stitch foot

**Wide edge stitching**

For all edges
Needle: 80–90
Thread: Sewing thread
Feed-dog:  

• Stitch: ------
  Straight stitch
  Needle position: any position

Guide the fabric edge along the presser foot (fig. 3) or one of the lines on the stitch plate. The needles positions can be used for sewing intermediate widths.

**Widths:**
Presser foot width = 7.5 mm / ¼"

Stitch plate lines:
1st line = 1 cm
2nd line = 1.5 cm
3rd line = 2 cm
4th line = 2.5 cm
5th line = 3 cm

USA stitch plate only:
1st line = ¼"
2nd line = ½"
3rd line = ¾"
4th line = ¼"
5th line = ¾"
6th line = ¾"
7th line = 1"

**Turned edges**

From the right, place the turned edge against the guide on the foot and select needle position right (fig. 2).

**Outer edges**

From the left, place the edge of the fabric against the guide on the Blind Stitch foot, set needle position left to the required distance from the edge (fig. 1).
Four-step standard buttonhole  with gimp cord

Standard buttonhole

Needle: 80–70
Thread: Darning thread, sewing thread
Feed-dog: Stitch: No. 14
Presser foot: No. 3

Preparation

When sewing buttonholes, thread the lower thread through the finger of the bobbin case.

Sewing buttonholes

Press button 14. Lower the needle into the fabric where the buttonhole starts and lower the presser foot.

1. Sew the first bead forwards. Stop at end of the buttonhole marking.

2. Press the button. The machine sews straight stitch in reserve. Stop at the buttonhole begin.

3. Press the button. Sew the bartack and the second bead. Stop.

4. Press the button. Sew the second bartack and securing stitches. The machine stops automatically at buttonhole begin.

Buttonholes with gimp cord

Gimp cord strengthens buttonholes. Suitable cords are perle yarn No. 8, buttonhole thread, fine crochet cord. The loop should lie at the end of the buttonhole most subject to wear, so place the fabric under the foot so that the loop comes at the appropriate end.

Positioning the cord

It is easier to position the cord when the needle is in the fabric. Bring the needle to centre of the foot and lower it into the fabric at the exact start of the buttonhole. Do not lower the foot yet. Hook the gimp cord over the centre prong of the foot (fig. 1) and take both ends under the foot to the back (fig. 2). Lower the foot and check that the cord slides easily. Sew the buttonhole. Do not hold the cord but let it slide freely. When sewing is complete, pull the loop into the buttonhole.

Securing

Take the ends of the cord through to the wrong side with a sewing needle (fig. 3) and knot or sew in securely.

Cutting buttonholes open

Cut from the ends towards the centre (fig. 4) or use a special buttonhole cutter with wood block.
Three-step keyhole buttonhole

**Keyhole buttonhole**

The keyhole buttonhole is suitable for jackets, coats, trousers, overalls etc.

- Needle: 80
- Thread: sewing thread
- Feed-dog: ▲▲▲▲
- Stitch: ● No. 13
- Presser foot: No. 3

**Sewing test**

If necessary, adjust the stitch length and width to suit the fabric:
- bead density with the stitch length dial
- bead width with the stitch width dial

**Tip:** Always test sew buttonholes on the fabric (and interfacing) to be sewn!

**Sewing buttonholes**

Select the button No. 13 for keyhole buttonholes. The machine is ready to sew the first bead forwards. Lower the needle into the fabric exactly at the start of the buttonhole, lower the presser foot.

1. The machine sews the first bead forward. Stop the machine at the marked length.

2. Press the buttonhole steps button. The machine sews the eye and the second bead. Stop the machine when the second bead is level with the first.

3. Press the buttonhole steps button. The machine sews the bar tack and securing stitches. The machine stops automatically at buttonhole begin.

**Marking buttonholes**

Mark the bead length. The eye must be included when calculating the total length of the buttonhole.

**Preparation**

When sewing buttonholes, thread the lower thread through the finger of the bobbin case.

**Cutting the buttonholes**

See page 36
Fully automatic standard buttonholes

Sewing the buttonholes

Fully automatic standard buttonhole with gimp cord

Positioning the cord

Preparation

Thread the lower thread through the finger of the bobbin case.

Sewing test

If necessary adjust the stitch width and length to suit the fabric.
- Bead density with the stitch length dial.
- Bead (buttonhole) width with the stitch width dial.

Tip: Always test sew on the fabric and interlining you intend to use.

Marking buttonholes:

Mark just one buttonhole. The length is programmed automatically after sewing the first buttonhole. Simply mark the beginning point of all subsequent buttonholes.

1. Select the buttonhole type. The machine is ready to sew the first bead. Insert the needle into the buttonhole begin and lower the presser foot. Sew the first bead forwards and stop at the end of the bead marking.

2. Press the button. The machine switches to auto mode and completes the first buttonhole automatically. To sew the subsequent buttonholes just insert the needle into the buttonhole begin and the machine will sew them automatically.

Gimp cord strengthens the buttonhole and gives a perfect finish. Use perle yam no. 8, strong hand-sewing thread or fine crochet thread. The loop of the cord should be at the end of the buttonhole most subject to wear. Place fabric under the foot.

It is easier to position the cord once the needle is inserted in the fabric. Insert the needle into the beginning of the buttonhole. Do not lower the presser foot yet.

Guide the cord to the right under the buttonhole foot and hook it over the prong at the back (fig. 1). From the left bring it round the front and under the foot. Pull the cord ends into the retaining slots (fig. 2).
Fully automatic keyhole buttonhole

The keyhole buttonhole is suitable for jackets, coats, trousers, overalls etc.

Needle: 80
Thread: Sewing thread
Feed-dog: ↑↑↑↑
Stitch: No. 13
Presser foot: No. 3A

Preparation

When sewing buttonholes, thread the lower thread through the finger of the bobbin case.

Sewing test

If necessary adjust the stitch length to suit the fabric:
- Forward bead with stitch length knob
- Reverse bead with the Balance buttons
Bead too dense = - button
Bead too open = + button

Marking buttonholes

Mark the bead length. The eye must be included when calculating the total length of the buttonhole. Mark only the first buttonhole, from that the buttonhole will be programmed. The keyhole buttonhole should be positioned on the garment so that the eye is at the end where the button will rest.

1. The machine sews the first bead forward. Stop the machine when the bead is to the marked length.

2. Press the buttonhole steps button. The machine is now switched to AUT0matic. The buttonhole is programmed. From now on do not press the buttonhole steps button again. The machine will complete the buttonhole and stop automatically. For further buttonholes, place the needle in the fabric at the beginning of the buttonhole and sew, the machine makes the complete buttonhole automatically.

Cutting the buttonhole

See page 36

Sewing the buttonholes

Select the button No. 13 for keyhole buttonholes. The machine is ready to sew the first bead forwards. Lower the needle into the fabric exactly at the start of the buttonhole, lower the presser foot.

Fully automatic reinforced keyhole buttonhole

For thick fabrics and increased durability it is advisable to reinforce a keyhole buttonhole by sewing it twice.

Important: After finishing the first buttonhole, leave the work in position, press the foot control and sew the complete buttonhole a second time.

Important:

If you make a mistake, complete the buttonhole sequence without needle thread, leaving the work in position, then rethread the needle and sew the buttonhole again.
Mending woven fabric

Mending tears using Running stitch

Modern mending method for tears and thin areas on virtually all fabrics.

Needle: 80–70
Thread: Darning thread

Stitch: Running stitch
Feed-dog:

Stitch length: Adjust to suit the fabric where necessary
Function button:

Important:

Always lay a fine fabric underneath. On tears, sew 3–5 rows of Running stitch (fig. 1). On thin areas, sew sufficient adjacent rows to cover. Overlap the rows very slightly (fig. 2).

Method

On flat garments it is possible to turn the work, lower the needle into the fabric to do this, so the stitching is always in a forward direction (fig. 1 + 2). On tubular items (sleeves, trouser legs), press the reverse sewing button after the first row, move the fabric sideways slightly, and sew the second row in reverse. Continue, alternating forwards and reverse (fig. 3).
Mending woven fabric

Patching using Honeycomb stitch or Running stitch (according to fabric)

For outerwear and especially jeans.

Needle: 80
Thread: Darning thread
Feed-dog: 

Step 1

- Stitch ———-
  Straight stitch

- Function button: ———-
  Basting stitch

Do not cut away worn/torn areas. Pin patch to the right side and baste along the edge using darning thread.

Step 2

Clear Basting stitch

- Stitch: ———-
  Honeycomb stitch

Oversew edges with Honeycomb stitch. Guide the edge of the patch to the right of the zig-zag slot of the foot to ensure all Honeycomb stitches are on the patch.

Step 3

- Stitch: ———-
  Straight stitch

Stitch length: approx. 1

Sew a straight stitch along the inside edge of the Honeycomb stitch. Then cut away the worn/torn piece from behind patch. This is easier with the straight stitch.
Mending interlock fabric

**Patching using Jersey stitch**

- Primarily for mending interlock underwear.

| Needle: 80–70 |
| Thread: Darning thread |
| Feed-dog: |

- Stitch: Jersey stitch

This method of mending is particularly suitable for large worn areas as the garment retains its elasticity.

**Method:**
To maintain stretch in all directions, round off the corners of the patch. Place the patch over the worn area and sew on with 1–2 rows of Jersey stitch. Then cut away the worn section from behind.

**Edging with elastic thread**

- The elastic thread is used to restore distorted edges to their original shape.

| Needle: 80–70 |
| Thread: Darning thread |
| Feed-dog: |

- Stitch: Zig-zag stitch

Stitch width: approx. 3
Stitch length: 1½

Guide two strands of elastic thread along the edge and sew in place with zig-zag stitch, gently pulling on the elastic thread.
**Manual darning**

**Main faults:**

- Thread breaks frequently: work not moved evenly.
- Stitching uneven and obtrusive: fabric moved too quickly in relation to the sewing speed.
- Small knots on the underside: fabric moved too slowly in relation to the sewing speed.

**Basic darning principles**

The feed-dog must always be lowered for darning. The work is moved to and fro by hand and not by the machine. It is important to move the work evenly and this requires a little practice.

Recommendation: Whenever possible, use the darning ring to keep the darning area taut. Move the ring backwards and forwards smoothly; jerky movements result in torn threads. Always work from left to right, moving up and down over the hole, not from side to side. Use the sewing table and support your elbows on the work table. Position the machine slightly back from the edge of the table.

**Darning**

- Needle: 80–70
- Thread: Darning thread
- Feed-dog: [image]
- Stitch: [image]
- Straight stitch
- Stitch length: 0
- Presser foot: Darning foot No. 9

**The three steps**

1. Darn from top left to top right of hole. Turn by 90 degrees.

2. Work from left to right, filling in the hole but not too densely. Turn by 180 degrees.

3. Fill in the darning, working in the same direction as step 2, but only over the hole and not to the edge of the darn.

**Important**

At the end of rows, change direction in curves and not points otherwise the fabric is likely to tear.

When the darning technique has been mastered, work rows of stitches in irregular lengths so that the darn blends into the fabric.
Darning with small darning ring

The small darning ring

The small darning ring is particularly practical for darning small torn/worn areas in fine fabrics and in fine underwear, fine socks and pullovers, e.g. in Helanca, interlock, jersey.

Darning technique

Socks, sleeves and trouser legs are usually stitched up and down and then side to side as it is not possible to turn the work.

Stretching the work

- Fit the darning ring, without the spring clip, on to the free arm (fig. 1).
- Slide the garment over the free arm going also over the darning ring.
- Push the darning ring as far as possible to the left. Place the index finger and the thumb of the right hand on the darning ring, to form a circle.
- With the left hand, stretch the fabric over the end of the free arm. Hold the tensioned fabric with the thumb of the right hand. Using the left hand, fit the spring clip as follows: Close the spring clip, insert under the index finger of the ring hand and hold firmly. Then press the spring clip down into the ring (fig. 3).
Trouble shooting

If the sewing machine does not sew properly, it is usually due to incorrect operation.

Check whether:

- The upper and lower threads are correctly threaded.
- The needle was correctly inserted, with the flat side of the shank to the rear.
- The needle size is correct. See needle and thread table.
- The machine is clean. Brush out any remnants of thread.
- The hook race is clean and oiled.
- Any remnants of thread are trapped between the thread tensioning discs and beneath the bobbin case spring.

Upper thread breaks

- The upper thread tension is too tight.
- Poor quality needles. Ideally, needles should be purchased from a BERNINA dealer.
- The needle has been fitted incorrectly. The flat side of the shank must be to the rear.
- The needle is blunt or bent.
- Poor quality thread, knotted or dried out thread.
- Stitch plate or hook tip damaged. Take to a BERNINA dealer.

Needle breaks

- Needle clamping screw not sufficiently tightened.
- Fabric withdrawn forwards instead of backwards, under the presser foot.
- When sewing over a thick area, the fabric was pushed while the needle was still in the material. Use the Jeans foot.
- Poor quality thread, unevenly wound or knotted.

Lower thread breaks

- The lower thread tension is too tight.
- The bobbin is jamming in the bobbin case. Replace bobbin.
- The hole in the stitch plate has been damaged by the needle. This must be re-polished by an expert.
- The needle is blunt or bent.

Faulty tension

- Remnants of thread between the thread tensioning discs.
- Remnants of thread under the bobbin case spring.
- Lower thread still threaded in the bobbin case finger.
- Threaded with foot down.
- Incorrectly threaded. Check lower and upper threads.

Faulty stitching

- Wrong needles. Use only 130/705 H needle range.
- The needle is blunt or bent, or incorrectly fitted. Push right to the top when inserting.
- Poor quality badly polished needle.
- The needle point does not suit the fabric being sewn. If necessary, use ball point for knitted fabrics and cutting point for hard leather.

Machine fails to sew full zig-zag width

- Check whether "Double needle limitation" button (48) is still selected.

Machine fails to run, or will only run slowly

- Plug is not properly inserted.
- Power switch in 0 position.
- Reduced speed button (32) is selected.
- Machine gummed up by unsuitable oil. Machine will have to be cleaned by a specialist.
- Machine has been standing in a cold room.

Machine stitching in reverse

- Selector button (33), "Reverse sewing" is still engaged.

Machine is not sewing selected programme

- Switch machine off, then on again, using the power switch.

If you have occasion to take your machine to a specialist, always ensure that you also take the foot control and accessories!
Changing the bulbs

Fitting the bulbs
There are 2 low voltage 6 volt/4 watt bulbs provided. The first is located in front to the left of the presser foot, the other behind, to the right.

Disconnect the machine from the mains by removing the mains plug from the socket!

Changing bulbs
To change the front bulb: (fig. 1) Using special tool «A», press the bulb upwards, twist to the left and withdraw.

To change the rear bulb (fig. 2)
Remove diffuser «B». The bulb can then be removed in the same way as the front bulb.

To insert new bulbs
Place the new bulb on the special tool (fig. 3). Insert into holder with the bulb, press upwards and twist to the right, to the stop. For the rear bulb, refit diffuser «B».
IF the machine is stored in a cold room, it should be brought to a warm room approximately one hour before use, to restore the oil in the bearings to a fluid state.

Cleaning

When sewing, pieces of thread will collect under the stitch plate and around the hook. These remnants must be removed at regular intervals.

- Disconnect the sewing machine from the power supply by pulling out the plug from the socket.
- Remove the presser foot and the needle.
- Open the hinged front cover on the free arm.
- Lower the feed-dog. Set knob 18 to position . Using both thumbs, press the stitch plate up and back (fig. 1).
- Clean the feed-dog and underside of the stitch plate.
- To refit the stitch plate on the free arm, insert the stitch plate from the rear, push forward until it engages (fig. 2).

WARNING:
Please refer to the safety instructions.

To oil the hook: Apply 1-2 drops of oil after 3-4 hours sewing.

To clean and oil the hook

- Disconnect the sewing machine from the power supply by pulling out the plug from the socket.
- Take out the bobbin case, see page 11.
- With the thumb of the left hand, press the lower release lever to the left (fig. 3).
- Fold down the semi-spherical locking strap with the black hook race cover.
- Take out the hook.
- Clean the top and bottom of the hook race with a brush and cotton cloth. Never use a screwdriver or scissors etc., to remove remnants of thread.
- Lightly oil the hook race with 1-2 drops of oil (fig. 4).
- Insert the hook. If necessary, turn with the handwheel until the hook driver is on the left (fig. 5).
- Close the black hook race cover and locking strap. The pawl must engage.
- Check by turning the handwheel.
- Insert the bobbin case.
<table>
<thead>
<tr>
<th>A</th>
<th>E</th>
<th>I</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessories</td>
<td>Edge stitching</td>
<td>Inserting the bobbin</td>
<td>Neckband</td>
</tr>
<tr>
<td>Accessories box</td>
<td>Edging stitches</td>
<td>Interlock fabric mending</td>
<td>- with decorative seam</td>
</tr>
<tr>
<td>- fitting</td>
<td>Edging with elastic thread</td>
<td>- with overlock seam</td>
<td></td>
</tr>
<tr>
<td>- removing</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alphabet programming</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Automatic storage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>F</td>
<td>J</td>
<td></td>
</tr>
<tr>
<td>Balance</td>
<td>Feed-dog</td>
<td>Jeans foot</td>
<td></td>
</tr>
<tr>
<td>Basic setting</td>
<td>- lowering the</td>
<td>19,32</td>
<td></td>
</tr>
<tr>
<td>- altering</td>
<td>- and fabric feed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- combining with</td>
<td>- and pressure feet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>functions</td>
<td>- and sewing of corners</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- retrieve</td>
<td>- and stitch length</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Basting stitch</td>
<td>Flat joining seam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blind hemming</td>
<td>Floral stitches</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blind stitch</td>
<td>Foot control unit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bobbin case and bobbin</td>
<td>- connecting</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bobbin winding</td>
<td>- and electronic needle stop</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buttonhole</td>
<td>Forward stitching</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- four-step standard buttonhole</td>
<td>Function buttons</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- with gimp cord</td>
<td>- balance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- three-step keyhole buttonhole</td>
<td>- basting stitch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- marking</td>
<td>- clear button (CLR)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- cutting</td>
<td>- double needle limitation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Buttonholes automatic</td>
<td>- double stitch pattern</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- standard</td>
<td>- long stitch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- with gimp</td>
<td>- mirror image</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- keyhole</td>
<td>- needle stop down</td>
<td></td>
<td></td>
</tr>
<tr>
<td>- reinforced</td>
<td>- pattern begin</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- presser foot indicator</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- programme selector button A-Z</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- programming button MR</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- reduced sewing speed</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- reverse sewing button</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- securing stitch control</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- single pattern (pattern end)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>G</td>
<td>L</td>
<td></td>
</tr>
<tr>
<td>Carring case</td>
<td>Gathering stitch</td>
<td>Leather/Plastic</td>
<td></td>
</tr>
<tr>
<td>Changing the bulbs</td>
<td></td>
<td>Letters/Alphabet</td>
<td></td>
</tr>
<tr>
<td>Cleaning and oiling</td>
<td></td>
<td>- programming</td>
<td></td>
</tr>
<tr>
<td>Clear button (CLR)</td>
<td></td>
<td>- long stitch</td>
<td></td>
</tr>
<tr>
<td>Cutter</td>
<td></td>
<td>Lower thread</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- breaks</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- bringing up</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- winding</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>H</td>
<td>M</td>
<td></td>
</tr>
<tr>
<td>Darning</td>
<td>Hand look stitches</td>
<td>Machine</td>
<td></td>
</tr>
<tr>
<td>- with small darning ring</td>
<td></td>
<td>- fails to run</td>
<td></td>
</tr>
<tr>
<td>Decorative stitches</td>
<td>Hem, visible with</td>
<td>- fails to sew full</td>
<td></td>
</tr>
<tr>
<td>- altering the basic setting</td>
<td>- Jersey stitch</td>
<td>- zig-zag width</td>
<td></td>
</tr>
<tr>
<td>- combining with functions</td>
<td>- Triple zig-zag</td>
<td>- stitching in reverse</td>
<td></td>
</tr>
<tr>
<td>- programming</td>
<td>- Hems, practical stitch</td>
<td>- will only run slowly</td>
<td></td>
</tr>
<tr>
<td>Double needle limitation</td>
<td>Honeycomb stitch</td>
<td>- Mains cable</td>
<td></td>
</tr>
<tr>
<td>Double overlock</td>
<td></td>
<td>- connecting</td>
<td></td>
</tr>
<tr>
<td>Double overlock seam</td>
<td></td>
<td>Maintenance</td>
<td></td>
</tr>
<tr>
<td>Double stitch pattern</td>
<td></td>
<td>MR (programming button)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Marking buttonholes</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- 36, 37</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mending</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- interlock fabric</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- tears using Running stitch</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- woven fabric</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mirror image</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Motor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Index
<table>
<thead>
<tr>
<th>S</th>
<th>Stitching</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- edge 35</td>
</tr>
<tr>
<td></td>
<td>- forward 23</td>
</tr>
<tr>
<td></td>
<td>- needle positions 23</td>
</tr>
<tr>
<td></td>
<td>- reverse sewing 22</td>
</tr>
<tr>
<td></td>
<td>- top 33</td>
</tr>
<tr>
<td></td>
<td>Storage, automatic 24</td>
</tr>
<tr>
<td></td>
<td>Straight stitch 20</td>
</tr>
<tr>
<td></td>
<td>- triple straight stitch 20, 30</td>
</tr>
<tr>
<td></td>
<td>Stretch Overlock 20, 31</td>
</tr>
<tr>
<td></td>
<td>Stretch seam 30</td>
</tr>
<tr>
<td></td>
<td>Stretch stitch 20, 30</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>T</th>
<th>Thread</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- bringing up the lower thread 14</td>
</tr>
<tr>
<td></td>
<td>- cutter 14</td>
</tr>
<tr>
<td></td>
<td>- needles 16</td>
</tr>
<tr>
<td></td>
<td>- threading the upper thread 13</td>
</tr>
<tr>
<td></td>
<td>- Thread tension 14</td>
</tr>
<tr>
<td></td>
<td>- Thread, lower 13</td>
</tr>
<tr>
<td></td>
<td>- breaks 45</td>
</tr>
<tr>
<td></td>
<td>- bringing up 14</td>
</tr>
<tr>
<td></td>
<td>- winding 11</td>
</tr>
<tr>
<td></td>
<td>Thread, upper 14</td>
</tr>
<tr>
<td></td>
<td>- breaks 45</td>
</tr>
<tr>
<td></td>
<td>- threading the 13</td>
</tr>
<tr>
<td></td>
<td>Threader (Quick needle threader) 13</td>
</tr>
<tr>
<td></td>
<td>Top stitching 33</td>
</tr>
<tr>
<td></td>
<td>Triple straight stitch 20</td>
</tr>
<tr>
<td></td>
<td>Triple straight stitch seam 30</td>
</tr>
<tr>
<td></td>
<td>Triple zig-zag 29</td>
</tr>
<tr>
<td></td>
<td>Trouble shooting 45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>U</th>
<th>Universal stitch 20</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Upper thread</td>
</tr>
<tr>
<td></td>
<td>- breaks 45</td>
</tr>
<tr>
<td></td>
<td>- threading the 13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>V</th>
<th>Vari-Overlock 20, 30</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Van-Overlock 30</td>
</tr>
<tr>
<td></td>
<td>Visible hem with</td>
</tr>
<tr>
<td></td>
<td>- Jersey stitch 29</td>
</tr>
<tr>
<td></td>
<td>- Triple zig-zag 29</td>
</tr>
</tbody>
</table>

| W | Woven fabric, mending 40, 41 |

<table>
<thead>
<tr>
<th>Z</th>
<th>Zig-zag seam 30</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Zig-zag stitch 20, 23</td>
</tr>
<tr>
<td></td>
<td>- triple 20, 29</td>
</tr>
<tr>
<td></td>
<td>Zips 32</td>
</tr>
</tbody>
</table>

**Index**

<table>
<thead>
<tr>
<th>P</th>
<th>Panels 10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Patching using</td>
</tr>
<tr>
<td></td>
<td>- Honeycomb stitch 41</td>
</tr>
<tr>
<td></td>
<td>- Jersey stitch 42</td>
</tr>
<tr>
<td></td>
<td>Pattern begin 22</td>
</tr>
<tr>
<td></td>
<td>Pattern end (single pattern) 22</td>
</tr>
<tr>
<td></td>
<td>Pearl stitches 21</td>
</tr>
<tr>
<td></td>
<td>Plastic/Leather 32</td>
</tr>
<tr>
<td></td>
<td>Power switch 8</td>
</tr>
<tr>
<td></td>
<td>Practical stitch hems 29</td>
</tr>
<tr>
<td></td>
<td>Practical stitch seams 30, 31</td>
</tr>
<tr>
<td></td>
<td>Practical stitches</td>
</tr>
<tr>
<td></td>
<td>- forward sewing 23</td>
</tr>
<tr>
<td></td>
<td>- reverse sewing 22</td>
</tr>
<tr>
<td></td>
<td>- table 20</td>
</tr>
<tr>
<td></td>
<td>Presser feet 19</td>
</tr>
<tr>
<td></td>
<td>- blind stitch foot 19, 34, 35</td>
</tr>
<tr>
<td></td>
<td>- buttonhole foot 19, 36, 37</td>
</tr>
<tr>
<td></td>
<td>- changing 15</td>
</tr>
<tr>
<td></td>
<td>- darning foot 19, 43</td>
</tr>
<tr>
<td></td>
<td>- embroidery foot 19</td>
</tr>
<tr>
<td></td>
<td>- jeans foot 19</td>
</tr>
<tr>
<td></td>
<td>- overlap foot 19</td>
</tr>
<tr>
<td></td>
<td>- reverse pattern foot 19</td>
</tr>
<tr>
<td></td>
<td>- special buttonhole foot 19</td>
</tr>
<tr>
<td></td>
<td>- tailor tack foot 19</td>
</tr>
<tr>
<td></td>
<td>- zip foot 19, 32</td>
</tr>
<tr>
<td></td>
<td>Presser foot indicator 22</td>
</tr>
<tr>
<td></td>
<td>Presser foot lifter 9</td>
</tr>
<tr>
<td></td>
<td>- attaching 9</td>
</tr>
<tr>
<td></td>
<td>- and lower the feed dog 9</td>
</tr>
<tr>
<td></td>
<td>Programming 26</td>
</tr>
<tr>
<td></td>
<td>Programming button (MR) 22</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>R</th>
<th>Reducing sewing speed 22, 26</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Repeating the memorized programme 27</td>
</tr>
<tr>
<td></td>
<td>Reverse sewing 22</td>
</tr>
<tr>
<td></td>
<td>Reverse sewing button 4, 22</td>
</tr>
<tr>
<td></td>
<td>Running stitch 20</td>
</tr>
</tbody>
</table>
It is not possible to cover more than the basics of sewing in an instruction manual. However, the creative potential of your Bernina sewing machine and Bernina or Bernette overlocker is enormous. To help you use your machines to the full, Bernina regularly publishes sewing literature which covers everything from simple techniques to advanced fashion projects. Your Bernina Dealer will be delighted to give you more information.

**Sewing Service Leaflets**

Each issue of our Sewing Service Leaflets deals with a particular sewing technique presented in easy to follow steps. Success is guaranteed!

**Bernina Creative Sewing**

The Bernina Creative Sewing magazine appears twice yearly. Fashion, "Couture Rapide", home decoration, sewing for teens and twens and craft projects are all regular features of the magazine. Special sewing techniques which are featured in the sewing projects are described in detail in words and pictures. Unusual and imaginative ideas are also included from enthusiastic sewers around the world. Read about new sewing developments and trends in the comfort of your own home. The Creative Sewing magazine is a source of inspiration for all sewers. Ask your Bernina Dealer and learn how to get the most out of your machines.

**Bernina Collection**

These booklets deal with one particular theme in all its variations. Basic information, pattern suggestions, detailed sewing instructions with coloured illustrations and many tips and tricks of the trade will turn you into a sewing pro in no time at all. They are issued two to three times a year, so be sure to ask your Bernina Dealer when the next one is expected.
WARNING:
Before using your sewing machine, please read the safety instructions.

The right to make constructional changes differing from text and illustrations is reserved.
Sollte diese Maschine in ein anderes Sprachgebiet verkauft werden, fordern Sie beim nationalen Importeur oder Bernina-Händler eine Bedienungsanleitung in der entsprechenden Sprache an.

If this machine has been purchased in a foreign country, please request an instruction manual in your own language from the national Importer or a Bernina dealer.

Si cette machine est vendue dans une autre région linguistique, demandez à l'importateur national ou à l'agent Bernina, un manuel d'instructions dans la langue correspondante.

In caso questa macchina fosse venduta in un territorio di lingua diversa si prega di richiedere il libretto d'istruzione nella lingua adeguata presso l'importatore nazionale oppure presso un rivenditore Bernina.

Si esta máquina se vende en otra región lingüística entonces pida Vd. de su importador nacional o del representante Bernina un manual de instrucciones en el idioma correspondiente.

Indien deze machine in een ander taalgebied werd gekocht, kunt u bij de nationale importeur of Bernina vakhandelaar een handleiding in de overeenkomstige taal aanvragen.

Skulle denne maskine blive solgt i et andet sprogområde, bedes du henvende dig hos den nationale Bernina-importør eller en Bernina-forhandler, hvor du kan købe en brugsanvisning på den ønskede sprog.

Om den här maskinen har köpts i ett annat land, var vänlig beställ en instruktionsbok på Ditt eget språk från importören eller en Bernina-återförsäljare.

Er denne maskinen kjøpt i utlandet, kan instruktionsbok bestilles på ditt eget språk fra Bernina importøren eller nærmeste Bernina forhandler.

Tarloissa saa tiedustella omkaielistää käyttöohjekirjaa Bernina-maahantuojalta tai jälleenmyyjältä.

Se esta máquina foi comprada num país estrangeiro, dever-se-á pedir o manual de instruções naquela ao importador nacional ou ao fornecedor da Bernina.