

137595-001 4572/93220/93234

SINGER

CAUTION!

POLARIZED PLUG FOR NORTH AMERICAN TERRITORIES

To reduce the risk of electric shock, this appliance has a polarized plug (one blade is wider than the other). This plug will 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 change the plug in any way.

Important safety instructions

For Australia only

- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.
- Switch off or unplug the machine when leaving it unattended.
- Before servicing the appliance or replacing lamps, unplug the machine.

Dear Customer: We recommend that for future reference you record the Serial Number of your Sewing Machine in the space provided. Refer to illustration at right for location of Serial Number on your machine. Model No. _____ Serial No. _____

Correct foot controller for this model is model no.: 4C-316B (for North American Territories)

To ensure that you are always provided with the most modern sewing capabilities, the manufacturer reserves the right to change the appearance, design or accessories of this sewing machine when considered necessary.

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IMPORTANT SAFETY INSTRUCTIONS

When using this machine, basic safety precautions should always be followed including the following:

Read all instructions before using this machine.

DANGER.

To reduce the risk of electric shock:

- The machine should never be left unattended when plugged in. Always unplug the machine from the electric outlet immediately after using and before cleaning.
- Always unplug before changing light bulb. Replace bulb with the same type rated 15 watts. Be sure to replace the face plate which covers the light blub before operating the machine.

WARNING.

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

- Be sure that the electrical voltage of the socket outlet (wall receptacle) is the same as the rated voltage of the motor.
- Use this machine only for its intended use as described in this Operator's Guide. Use only attachments recommended by the manufacturer as contained in the Operator's Guide.
- To disconnect, turn all controls to the off ("0") position, then remove plug from outlet.
- Disconnect the power-line plug from the socket outlet or switch the machine off when making any adjustments in the needle area, such as threading needle, changing needle, changing needle plate or changing presser foot, etc.
- Always unplug the machine from the electrical outlet when removing covers, lubricating, or when making any other user servicing adjustments mentioned in the Operator's Guide.
- Do not attempt to adjust the motor belt. Contact your nearest Service Center should any adjustment be required.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Handle the foot controller with care and avoid dropping it on the floor. Be sure not to place anything on top of it.
- Always use the proper needle plate. The wrong plate can cause the needle to break.
- Do not use bent needles.
- When sewing, keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- Do not pull or push fabric while stitching. This may deflect the needle causing it to break.
- Before removing the bobbin case, remove plug from the socket outlet.

- For double insulated machines, when servicing, use only identical Singer replacement parts. See instructions for Servicing of Double-Insulated Appliances.
- Never operate the machine 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 machine to the nearest authorized dealer or Service Center for examination, repair, electrical, or mechanical adjustment.
- Never operate the machine with any air openings blocked. Keep ventilation openings of the machine and foot controller free from the accumulation of lint, dust, and loose cloth.
- Never drop or insert any object into any opening.
- Do not use outdoors.
- Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- Do not allow to be used as a toy. Close attention is necessary when the machine is used by or near children.
- 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".

SAVE THESE INSTRUCTIONS

Servicing should be performed by an authorized service representative.

This product is intended for household use. FOR EUROPEAN AND SIMILAR TERRITORIES:

This product is suppressed for radio and television interference with the International Electrotechnical Commission requirements of the CISPR.

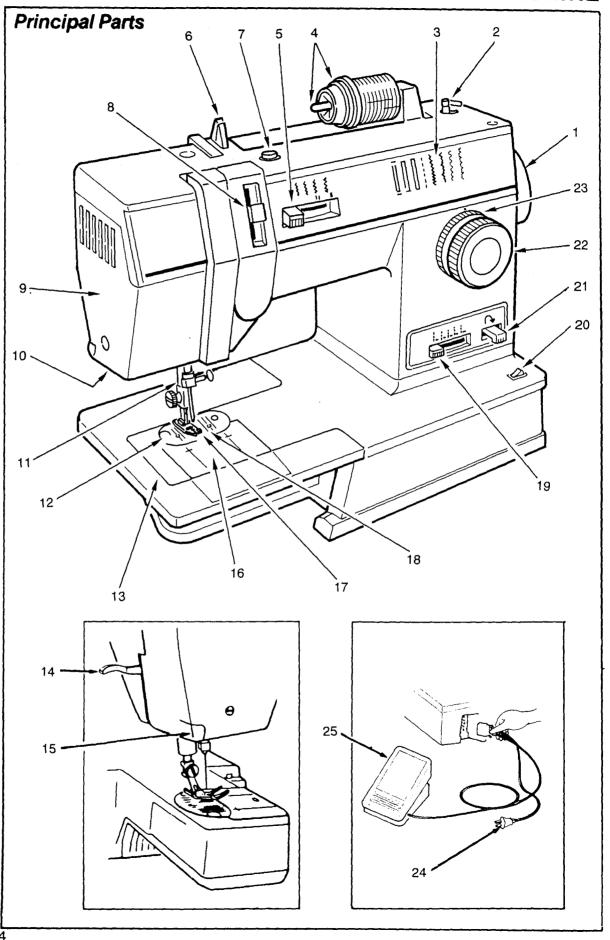
Machines for Great Britain and some other countries having similar wiring standards are shipped from the factory with a plug for connection to the mains. The wires in this mains lead are coloured in accordance with the following code:

Blue: neutral (N) Brown: live (L)

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. If a 13 Amp. (BS 1363) plug is used, a 3 Amp. fuse must be fitted, or if any other type of plug is used, a 5 Amp. fuse must be fitted either in the plug or adaptor or at the distribution board. Neither cord is to be connected to the earth terminal of a three-pin plug.

SECTION 1 GETTING TO KNOW YOUR MACHINE



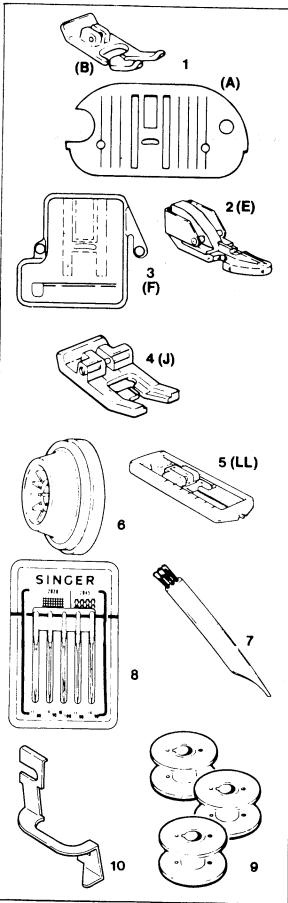
Principal Parts

- raising or lowering the needle.
- 2. Bobbin Winder lets you fill the bobbin with thread quickly and easily.
- 3. Pattern Display Panel shows a varisewing needs.
- 4. Spool Pin and Cap hold the top thread supply and allow it to unwind
- 5. Stitch Width Lever controls the width of patterns and sets the needle for 19. Stitch Length Lever allows for a straight stitching.
- 6. Snap-In Thread Guide helps to insure 20. Power and Light Switch turns on a smooth flow of thread from the spool to the tension.
- 7. Bobbin Winder Tension Disc pro- 21. Reverse Lever provides either vides thread tension for bobbin winding.
- 8. Auto Needle Thread Tension Lever controls top thread tension.
- 9. Face Plate is a removable cover protecting movable parts and sewing light.
- 10. Sewing Light illuminates sewing area.
- 11. Needle Clamp holds needle in machine and prevents incorrect insertion.
- 12. Needle Plate supports the fabric during sewing.
- 13. Removable Extension Table lets you change the machine bed from flat to free arm.

- 1. Hand Wheel provides a means for 14. Presser Foot Lifter, at the back of machine, lets you raise and lower presser foot.
 - 15. Thread Cutter
 - ety of patterns available for your 16. Slide Plate opens for easy removal and replacement of bobbin.
 - 17. Feed System moves fabric under presser foot.
 - smoothly as the spool does not turn. 18. Presser Foot holds fabric against the feed system and snaps on and off.
 - variety of stitch lengths.
 - the machine and sewing light at the same time.
 - momentary or continuous reverse fabric movement.
 - 22. Pattern Selector Dial turns directly to any of the patterns, plus buttonhole, shown on the pattern display panel.
 - 23. Stitch Balance Ring adjusts appearance of Special Stitch patterns and buttonholes.
 - 24. Electrical Power Cord connects machine to your electrical outlet.
 - 25. Speed Controller regulates the sewing machine speed.

ACCESSORIES

The accessories for your machine are designed to simplify many of your sewing projects.



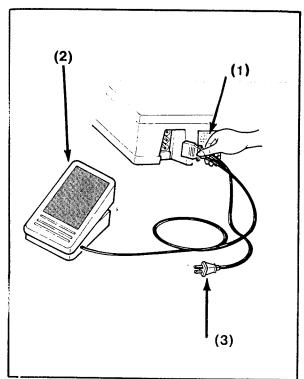
- 1. General Purpose Needle Plate (A), and Presser Foot (B), come installed on the machine. Used for straight and zig-zag sewing.
- 2. Zipper Foot (E), for inserting zippers.
- 3. Feed Cover (F), used for button sewing, free motion work and darning. It keeps the feed from moving fabric.
- 4. Special Purpose Presser Foot (J), used for decorative and zig-zag stitching.
- 5. Buttonhole Presser Foot (LL), used to make four-step buttonholes.
- 6. **Spool Holder,** for medium and large thread spools.
- 7. Lint Brush, for cleaning the machine.
- 8. Needle Pack, includes an assortment for sewing various types of fabrics.
- 9. **Bobbins**, transparent for easy viewing. (one in machine)
- **10. Blindstitch Hem Guide**, is used to position the hem for blindstitch hemming.

NOTE: See page 37 for additional accessories sold separately.

SECTION 2 GETTING READY TO SEW

CONNECTING THE MACHINE

Before plugging in your machine, be sure that the voltage and number of cycles indicated on the electrical data lable (1), conform to your electrical power supply.



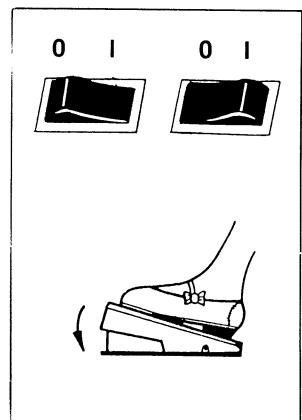
Plug the controller (2), into the receptacle, at the right end of the machine.

Then connect the electrical power cord plug (3), to your electrical outlet.

Do not operate machine without material under the presser foot as this may damage the feed and the foot.

RUNNING THE MACHINE

The machine and the sewing light are turned on and off by the same power switch.



POWER SWITCH

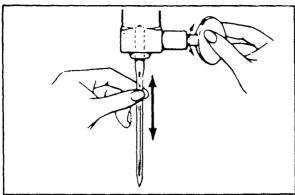
Power on-press "I" side of switch. Power off-press "O" side.

To run the machine, press the speed controller. The harder you press, the faster the machine will sew.

To stop the machine from sewing, remove pressure from speed controller.

CHOOSING AND CHANGING NEEDLES

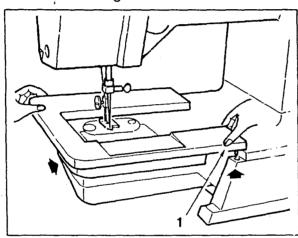
IMPORTANT: For best sewing results, use only Singer needles. Check the needle package, and the Fabric, Thread and Needle Table on page 44, for the correct needle and fabric combination.



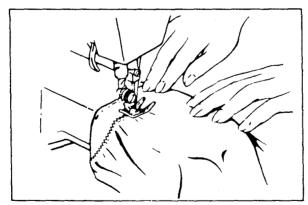
- Raise needle to its highest position.
- Loosen needle clamp screw and remove needle.
- With flat side of needle to the back, insert new needle up into clamp as far as it will go.
- Tighten needle clamp screw securely.

FREE ARM SEWING

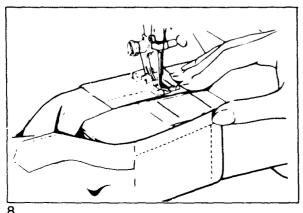
Free arm sewing makes it easier to sew hard-to-reach areas.



To change machine for free arm sewing, push in and lift right edge (1) of extension table, slide it to the left and off the machine.



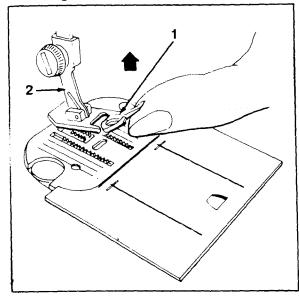
 Topstitch edges on sleeves, or finish waistbands and pants legs easily.



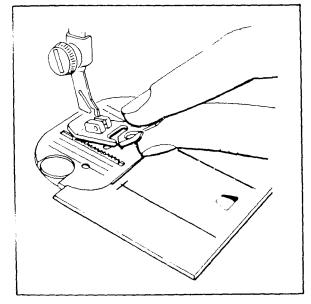
 Sew buttonholes without stretching cuffs or neckbands.

CHANGING THE PRESSER FOOT (B) (E) (J) (L)

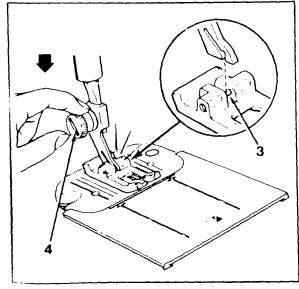
Your machine comes with the General Purpose Presser Foot already attached. You can easily change to any one of the other presser feet which snap onto a common shank by following the directions below.



- Raise needle to its highest position by turning hand wheel toward you.
- Raise presser foot using presser foot lifter in back of machine.
- Push toe of presser foot (1) up, until it snaps off the shank (2).



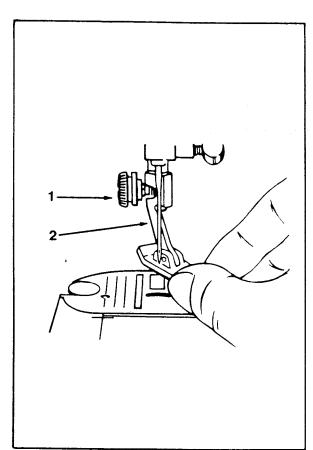
• Take foot off machine.



- Place new foot under center of shank.
- Lower presser foot lifter, fitting shank over presser foot pin (3).
- Don't turn screw. Instead, push presser foot screw (4) down firmly until foot snaps into place.

REPLACING PRESSER FOOT WITH SHANK

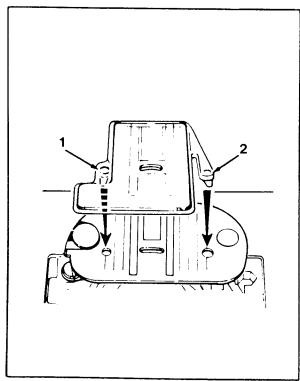
Presser feet with built-in shanks can be replaced as follows:



- Turn machine off.
- Raise needle and presser foot.
- Loosen presser foot screw (1) and remove presser foot with shank (2), guiding it toward you and to the right.
- To replace presser foot with shank, hook shank around the presser bar and tighten presser foot screw.

ATTACHING FEED COVER (F)

The feed cover keeps the feed from moving the fabric.

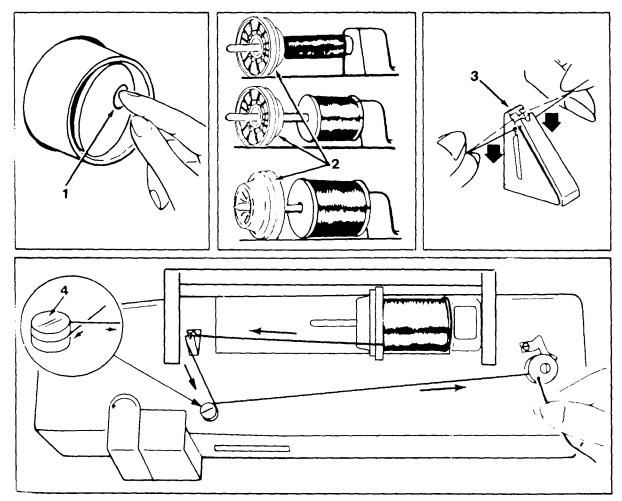


- · Raise needle and presser foot.
- Open slide plate.
- Slide feed cover on top of needle plate, pressing tabs (1) and (2) into holes.
- Close slide plate.
- To remove, open slide plate and lift front edge of cover; pull it away.

WINDING A BOBBIN

Winding a bobbin is quick and easy when you follow the directions below. Always wind the bobbin **before** threading the machine.

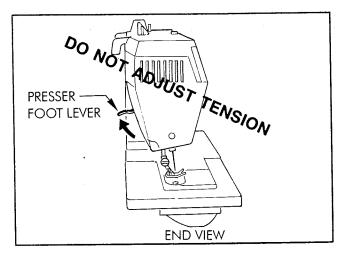
- Push in indent (1) on hand wheel disc. This will stop the needle from moving.
- Place spool of thread on spool pin.
- Slide spool cap (2) firmly over rim of spool to prevent thread tangling.
- Lead thread from spool and snap into thread guide post (3).
- Wind thread clockwise around front of bobbin winder tension disc (4).
 (Pull the thread into the spring loaded discs.)
- Pass thread end, from inside, through small hole in rim of bobbin.
- · Place bobbin on spindle and push it to the right.
- Holding thread end, step on speed controller to run machine until desired amount of thread is wound.
- Cut thread; push bobbin to the left and remove it from spindle.
- Trim thread end from top of bobbin.
- Return hand wheel disc to sewing position by pressing on side opposite indent.



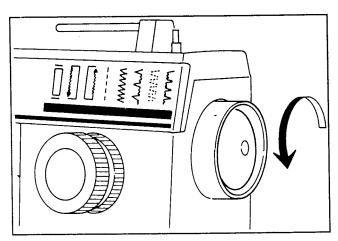
IMPORTANT THREADING INSTRUCTIONS



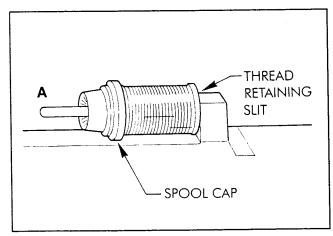
This machine features a special Easy Threading System. Even if you have sewn before, take the time to learn how to properly thread the machine, and you will avoid serious sewing problems in the future.



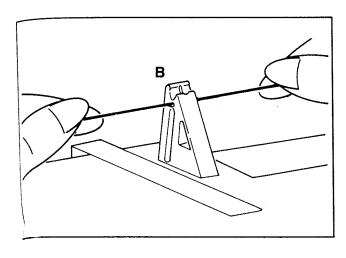
 Raise presser foot lever. This separates the tension discs in the machine that you will be feeding the thread through in step



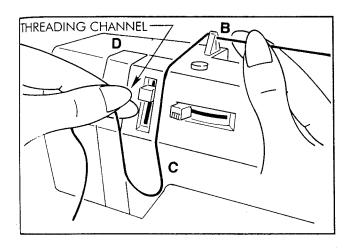
2. Turn handwheel toward you to raise needle to highest position. Remove spool cap.



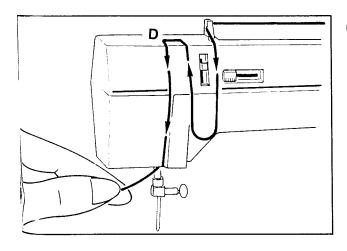
3. Place spool of thread on spool pin A with Thread Retaining Slit to right. Slide spool cap onto spool pin until it touches spool to prevent thread from tangling. For large spools of thread, larger end of spool cap should touch spool. For small spools, smaller end should touch spool.



4. Using two hands, pull thread down into thread guide post **B** until it snaps into the round hole.



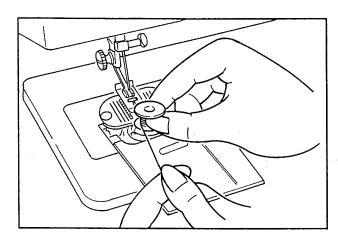
5. Holding thread secure at **B**, guide thread down threading channel to tension system **C**. Pull thread firmly up to top of channel **D**, and then back down again.



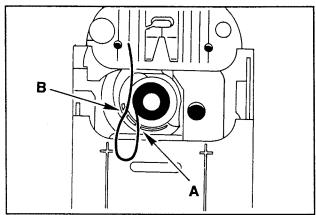
6. Before threading needle, test for proper threading as follows: Pull a few inches of thread through threading channel. Lower presser foot to engage tension discs, then pull a few more inches through. There should be a noticeable difference between the thread tension when the presser foot is down and when it is up. If the thread pulls through easily when the presser foot is down, the machine is not properly threaded and sewing problems will result. Re-thread the machine and test again.

MPORTANT NOTE: If thread balls up in the bobbin case or knots up on the underside of the fabric, the machine may not be properly threaded. DO NOT adjust the thread tension until you have checked for proper threading using the test described in them 5.

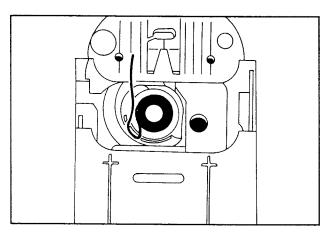
BOBBIN CASE THREADING INSTRUCTIONS



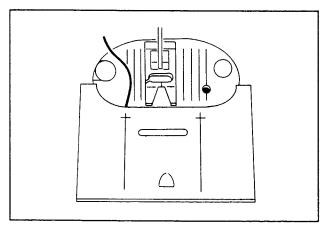
- 1. Slide bobbin cover plate toward you.
- 2. Insert wound bobbin into bobbin case with thread spooling off to the left.



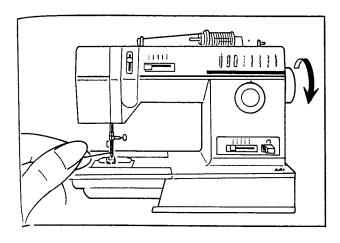
3. Guide thread to left through notch A and then pull straight back toward needle so that it passes through notch B.



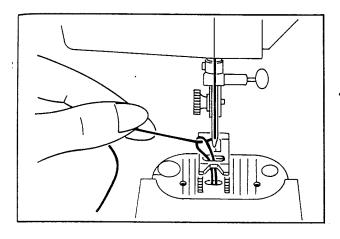
4. Leave several inches of thread laying across top of bobbin toward the back of the machine.



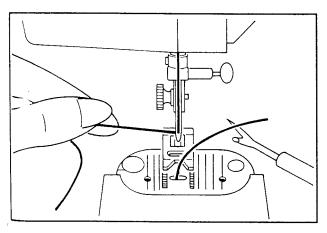
5. Slide bobbin cover plate back into position. Thread tail should be visible, sticking out at top of cover.



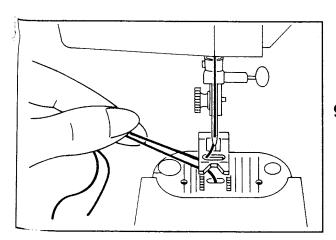
6. Hold top (needle) thread and turn handwheel toward you until needle goes to its lowest and then its highest point. Raise the presser foot using the presser bar lifler.



7. Gently pull top thread until lower (bobbin) thread comes up in the form of a loop.



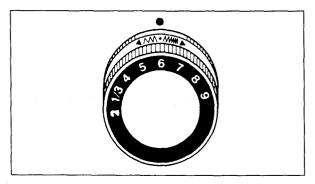
8. Use the flat side of a seam ripper or a pin to open up bobbin thread loop until end is visible.



9. Pull both thread tails straight back under presser foot.

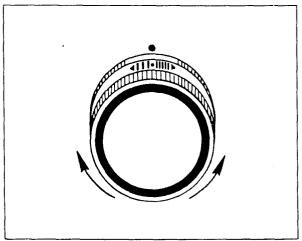
SELECTING A BUILT-IN STITCH PATTERN

All the built-in stitch patterns your machine is capable of sewing are illustrated on the pattern display panel of your sewing machine.



If your pattern selector dial has numbers:

- Select a pattern by turning the selector dial and align the number on the dial with the dot above the dial.
- For instance to sew a Zig-zag stitch align the number 6 with the dot.



If your pattern selector dial does not have numbers:

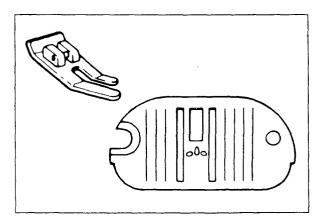
- Select a pattern by turning the selector dial until indicator appears under desired pattern.
- For instance, to sew a Zig-Zag Stitch, you would turn the selector dial until the indicator appears.
- To change the stitch pattern, turn the dial left or right, moving indicator to desired position.

With each application, recommended settings are given. These have been highlighted for easy identification. You can adjust each setting, however, as desired.

SECTION 3 STRAIGHT STITCHING

ATTACHING STRAIGHT STITCH NEEDLE PLATE (C) AND PRESSER FOOT (D) (Optional accessory)

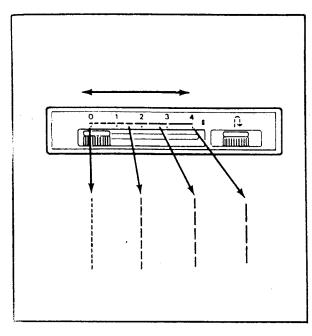
The Straight Stitch Needle Plate (C) and Presser Foot (D) help prevent skipped stitches and control fabric when straight stitching around a curve or close to the fabric edge.



CAUTION: Straight Stitch Needle Plate and Presser Foot should be used for straight stitch sewing only

Always change back to the appropriate needle plate and presser foot when not straight stitching.

Before beginning a sewing project, check the Fabric, Thread and Needle Table on page 44 for the best needle and thread combination for your fabric.



RECOMMENDED SETTINGS

Stitch Selection: Straight Stitch

Stitch Width:

Stitch Length:

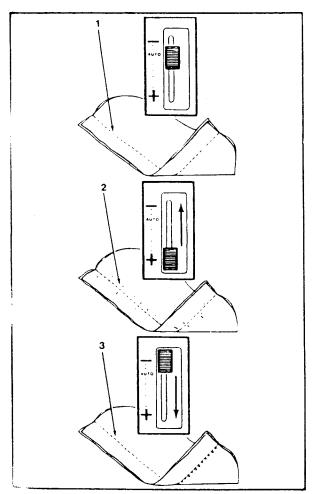
Foot: General Purpose (B)
Needle Plate: General Purpose (A)

ADJUSTING STITCH LENGTH

The stitch length indicator is numbered **0 - 4**. The lower numbers are shorter stitches. Shorter stitches are best for lightweight fabrics; longer ones for heavy fabrics. To adjust the length of your stitches, slide the stitch length lever to the left or right.

ADJUSTING THREAD TENSION

Having selected the correct needle and thread combination for the fabric being used, it may be necessary to adjust the tension of the sewing machine to insure a well-balanced stitch.

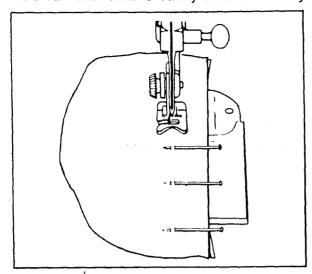


Proper tension will produce identical stitches on both the front and back of your fabric (1).

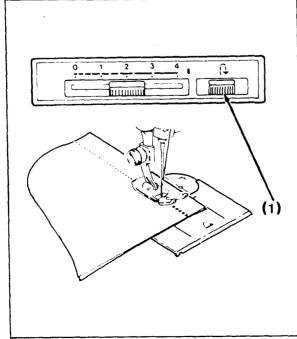
- Too much tension will produce a tight stitch which will cause puckered seams (2). Adjust tension by moving the slide up toward the minus sign to a looser setting until the desired stitch appearance is achieved.
- Too little tension will produce a loose stitch and could possibly cause loops on the underside of your fabric (3). Adjust the tension by moving the slide down toward the plus sign until the desired stitch appearance is achieved.

SEWING A SEAM

You can sew seams easily and accurately when you follow the suggestions below.



3 1 3 1 2



BASTING

Pin basting and hand basting are easy ways to make temporary seams before machine sewing.

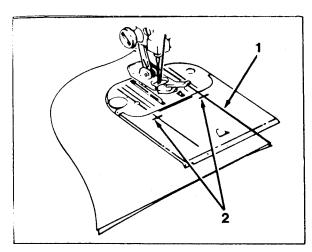
- To pin baste, insert pins at stitching line. NEVER place pins on the underside of fabric in contact with the feed. Do not sew over pins; pull them out as you stitch.
- To hand baste, make long, loose stitches that can be easily removed.

PLACING FABRIC UNDER PRESSER FOOT

- To place fabric under presser foot, raise presser foot lifter (1) to its "up" position (2), where it locks in place.
- The lifter can be raised and held in the "extra high" position (3) for placing bulky fabrics under the presser foot.
- The presser foot lifter must always be down for the machine to sew properly.

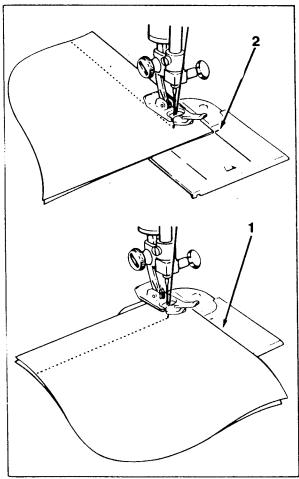
STITCHING IN REVERSE

- To reinforce beginnings or ends of seams, push in reverse lever (1). Machine will straight stitch in reverse for as long as you hold the lever in.
- For continuous reverse stitching, push lever in and slide it to the left to lock. Unlock reverse lever by sliding it back to the right and letting it return to its normal position.



KEEPING SEAMS STRAIGHT

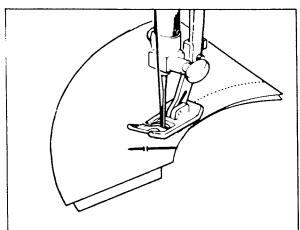
To keep seams straight, use one of the guidelines on the needle plate. The most commonly used line (1) is extended onto the slide plate. The crosslines (2) serve as guides when stitching square corners.



TURNING SQUARE CORNERS

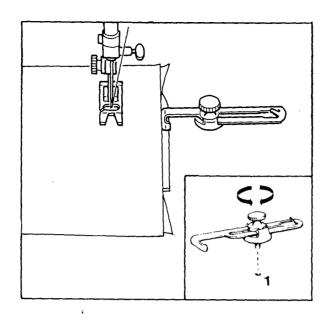
To turn a square corner, use crosslines on slide plate.

- Line up fabric with extended guidelines on needle plate and stitch seam, slowing speed as you approach corner.
- When bottom of fabric reaches cornering crosslines (2) on slide plate, stop stitching.
- Be sure needle is down in fabric.
- Raise presser foot slightly. Turn fabric, bringing bottom edge in line with guideline (1).
- · Continue stitching seam.



Sewing Curved Seams

- Baste seam line.
- Use a short stitch for elasticity and strength.
- Guide fabric to follow curve.



USING THE SEAM GUIDE (N) (Optional Accessory)

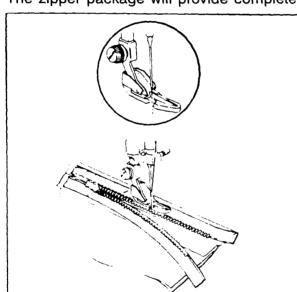
For extra help in keeping seams straight, particularly for very narrow or very wide seams, use the seam guide which comes with your machine.

To attach the seam guide, place screw of seam guide into the hole in the bed of the machine, on the right side of slide plate (1).

Line up the straight edge of the guide With the needle plate guideline for desired seam width and tighten screw.

INSERTING A ZIPPER

The zipper package will provide complete instructions for inserting zippers.



RECOMMENDED SETTINGS

Stitch Selection:

Straight Stitch

Stitch Width:

Stitch Length:

2.1.1.1.4

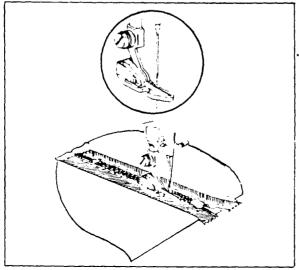
Foot:

Zipper (E)

Needle Plate:

General Purpose (A)

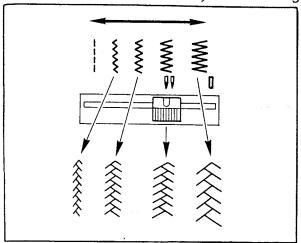
 When zipper is to the left of needle, attach left side of zipper foot to shank.
 The needle will enter left notch of foot, sewing close along zipper teeth.



 Attach right side of zipper foot to shank when a zipper is to the right side of the needle. The needle will enter right notch of foot, sewing close along zipper teeth.

SECTION 4 BUILT-IN STITCH PATTERNS

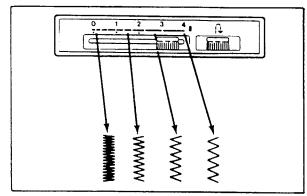
The built-in stitch patterns on your machine have a variety of practical and decorative uses. In this section are recommended applications for each stitch. However, these stitches can be used for many other sewing projects.



ADJUSTING STITCH WIDTH

To widen or narrow a Special Stitch pattern, move the stitch width lever off Straight Stitch, (;), toward any other width setting at the right.

The stitch with graphics on the machine show width of approximately 1.5, 3.0, 4.5, 6.0mm.



ADJUSTING STITCH LENGTH

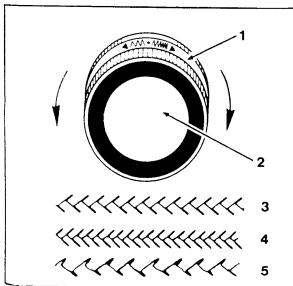
The stitch length indicator is numbered 0 to 4. The area between 0 and 1 will produce very dense stitching. For more open stitching, slide the stitch length lever anywhere from 2 to 4. When sewing special color coded stitches. The length MUST be set in the 3-1/2 to 4 area.

ADJUSTING THREAD TENSION

Some Special Stitch patterns may require looser thread tension than others. To find the proper tension for your application, make a test sample with the thread and fabric you will be using.

ADJUSTING STITCH BALANCE

You can adjust the appearance of special color coded stitch patterns on the display panel, by turning the Stitch balance ring (1) behind the pattern selector dial (2).



A correctly balanced Fagoting Stitch should appear as illustrated (3).

When stitches are too close together (4), separate them by turning the stitch balance ring to the right.

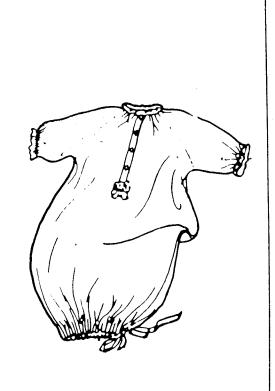
When stitches are too far apart (5), bring them closer together by turning the stitch balance ring to the left.

BUILT-IN STITCH PATTERNS CAPABILITY AND GRAPHICS ILLUSTRATION

DESCRIPTION OF BUILT-IN STITCH PATTERNS	GRAPHICS	5 PATTERN	8 PATTERN	10 PATTERN	16 PATTERN	22 PATTERN
Buttonhole-Left Side	4 *********	•	•	•	•	•
Buttonhole-Bartack	IC I	•	•	•	•	•
Buttonhole-Right Side	·····	•	•	•	•	•
Straight Stitch		•	•	•	•	•
Zig-Zag	//////	•	•	•	•	•
Zig-Zag Blindstich	~~~	•	•	•	•	•
Multistitch	\/\/\/	•	•	•	•	•
M-Stitch	mmm	•	•	•	•	•
Crescent	,www.,www.		•	•	•	•
Solid Scallop	william illia.				•	•
Chinese Dynasty	www				•	•
Arrowhead					•	•
Privet	mum				•	•
Bunting	Minne Minne				•	•
Sandcastle	/~~~~				•	•
Stretch Overedge	NVV		•	•	•	•
Fagoting	<i>>>>>>></i>			•		•
Ric-Rac				•	•	•
Straight Stretch	====		•	•	•	•
Slant Overedge	m					•
Honeycomb	××××					•
Wizard	******					•
Random Ric-Rac	~~~					•
Road Runner	λλλλλ					•
Seagull	ולוונו					•

ZIG-ZAG STITCH MMM

The Zig-Zag Stitch can be used when sewing seams, appliquéing, monogramming or decorating.



SEAM FINISHING

Use a zig-zag stitch to finish seam edges of fabrics that are likely to unravel.

• Sew seams as desired; trim and press open.

RECOMMENDED SETTINGS

Stitch Selection:

Zig-Zag Stitch

Stitch Width:

||{ | | | | | | |

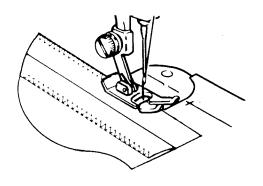
Stitch Length:

Foot:

General Purpose (B)

Needle Plate:

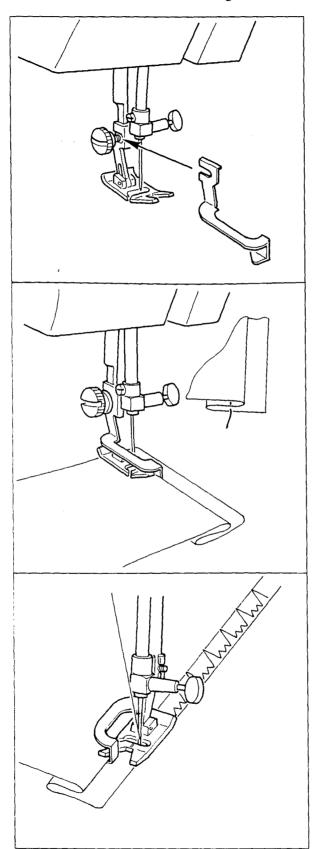
General Purpose (A)



- Place edge of seam allowance under foot, as shown.
- Stitch close to edge, letting outer zigzag fall **over** edge.

ZIG-ZAG BLINDSTITCH

Use this Blindstitch when sewing hems and seams, or attaching lace and elastic.



BLINDSTITCH HEMMING

 Practice first on a scrap of material, carefully following each step.

RECOMMENDED SETTINGS

Stitch Selection:

Zig-Zag Blindstitch

Stitch Width:

Stitch Length:

Foot: Gen

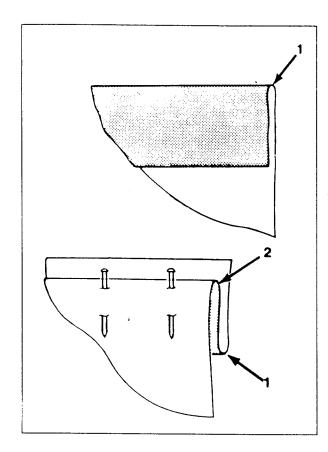
General Purpose (B) with

Blindstitch Hem Guide (10)

Needle Plate:

General Purpose (A)

- Raise presser foot, loosen screw, and slip blindstitch hem guide between screw and shank of foot as shown. Tighten screw.
- 2. Mark, fold and press hem. Baste a guideline at least 1.3cm (1/2") from the top edge of the hem.
- 3. With the wrong side up, turn the hem under, creating a soft fold from top edge of the hem.
- 4. Position the hem under the presser foot with the soft fold resting against the wall of guide. Make sure the flange of the guide is between soft fold and top of hem as shown.
- 5. Lower presser foot. Stitch so that straight stitch fall on the hem edge and the sideward stitches pierce the soft fold of work. Adjust stitch width if necessary. While stitching, guide hem edge in a straight line and feed soft fold evenly against wall of the guide.



USING ADJUSTABLE BLINDHEM FOOT (K) (Optional Accessory)

RECOMMENDED SETTINGS

Stitch Selection:

Zig-Zag Blindstitch

Stitch Width:

Stitch Length: Foot:

,

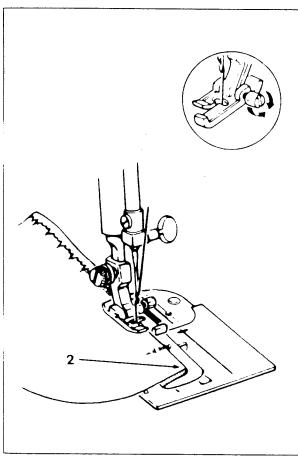
Blindstitch (K)

Needle Plate:

General Purpose (A)

With garment inside out, mark, fold and press hemline (1).

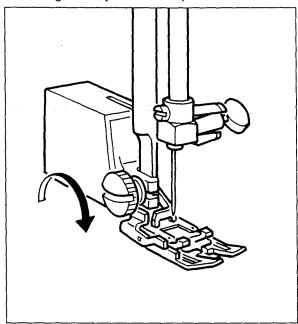
- Turn hem (1) back against inside of garment, leaving 1/8" of hem beyond fold (2), as shown.
- · Pin or baste all layers in place.



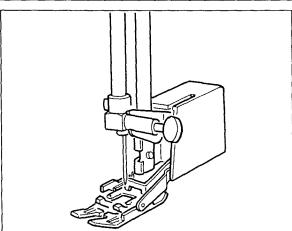
- Attaching Adjustable Blindhemming Presser Foot **(K)**. (See page 10.)
- · Raise presser foot.
- Place folded edge (2) directly under presser foot.
- Be sure bulk of garment is to the left of needle.
- · Lower Presser foot.
- Begin sewing slowly, making sure the wide zig-zag stitch enters only the very edge of the fold area (2). The narrow zig-zag should fall in the hem area. If this is not happening, adjust the position of the foot.
- Remove pins as you come to them.

ATTACHING EVEN FEED FOOT (M) (Optional Accessory)

To prevent slipping, stretching or sticking when sewing fabrics such as synthetic suede, sheering, heavy knit and quilted.



- Turn machine off.
- · Raise needle and presser foot.
- · Remove presser foot with shank.
- Guide Even Foot (M) from back of needle, with holding fork (1) around needle clamp, and attach to presser bar.
- Tighten presser foot screw.



RECOMMENDED SETTINGS

Stitch Selection:

Straight Stitch or

Zig-Zag

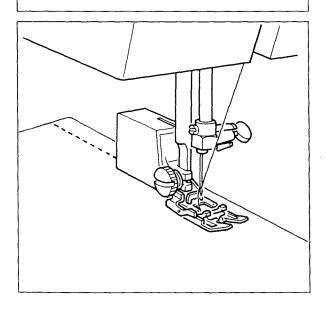
Stitch Width:

Stitch Length: Foot:

Needle Plate:

Even Foot (M)

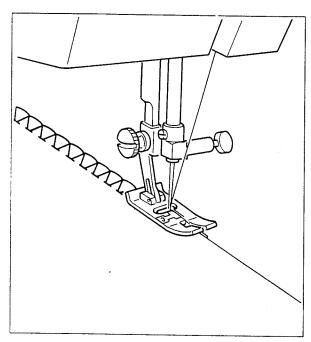
General Purpose (A)



- Lower Even Foot (M).
- Use Even Foot (M) only for forward stitch.

ATTACHING OVEREDGE FOOT (Optional Accessory)

Used for overcasting edge of stretch fabrics to prevent fraying.



RECOMMENDED SETTINGS

Stitch Selection:

Straight Overedge

Stitch

Stitch Width:

Stitch Length:

Foot:

Overedge Foot

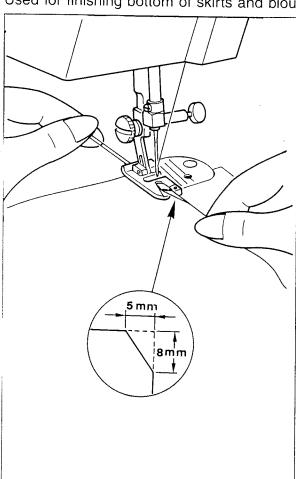
Needle Plate:

General Purpose (A)

- · Raise presser foot.
- Place trimmed edge of fabric under the presser foot. Make sure the edge against the wall of guide.
- · Lower presser foot.
- Begin sewing slowing.
 (See application: page 30)

ATTACHING ROLLED HEMMER FOOT (Optional Accessory)

Used for finishing bottom of skirts and blouse and edge of frills and handkerchief.



RECOMMENDED SETTINGS

Stitch Selection:

Straight Stitch or

Zig-Zag

Stitch Width:

Stitch Length:

Foot:

Rolled Hemmer Foot

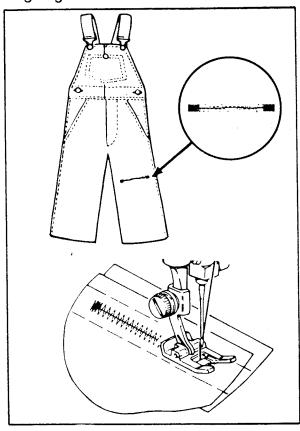
Needle Plate:

General Purpose (A)

- Cut away a corner of material in order to make work easier.
- Insert material into sprial groove in hemmer foot until needle position is reached.
- Drawing ends of needle and bobbin threads, turn handwheel 3 or 4 turns by hand to guide material to hemmer foot.

MULTI-STITCH ZIG-ZAG VAAAA

Mending, overcasting, joining or reinforcing can all be done using the Multi-Stitch Zig-Zag.



MENDING A TEAR

- Trim ragged edges of tear.
- Cut a lining of fabric for reinforcement.
- Bring the edges of tear together and baste lining to wrong side of fabric.

RECOMMENDED SETTINGS

Stitch Selection: Multi-Stitch

Zig-Zag

Stitch Width:

Stitch Length:

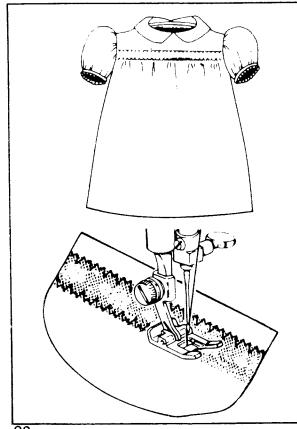
9-1-2-3-41

Foot: Needle Plate: Special Purpose (J) General Purpose (A)

- Place tear, right side up, under presser foot.
- Stitch over the line of the tear, shortening stitch length at each end for reinforcement.
- Trim thread ends close to fabric.
- If needed, sew over tear again.
- · Trim away lining close to stitching.

"M" STITCH MYNY /SANDCASTLE MYYYY

These stitches can be used for stretch seams and decorative stitching.



LACE TRIM

Lace trim may be added to blouses, lingerie and children's wear.

- Cut lace to desired size.
- Pin lace to right side of fabric where desired.

RECOMMENDED SETTINGS

Stitch Selection: "M" Stitch/Sandcastle

Stitch Width:

Stitch Length:

Foot:

Special Purpose(J)

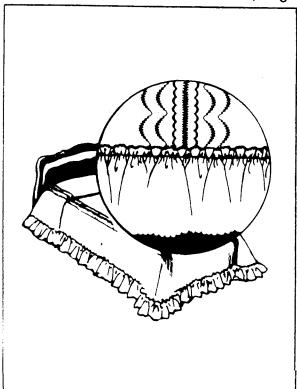
Needle Plate:

General Purpose(A)

- Carefully stitch along both edges of lace, as shown.
- Trim away the fabric under the lace near stitching lines.

CRESCENT STITCH WAY /CHINESE DYNASTY STITCH WAY /SOLID SCALLOP STITCH

These stitches are ideal for borders, edges, smocking and embroidering.



BORDER DESIGN

Border designs decorate clothing and many household items.

- · Sew Seams in usual manner and press.
- Mark stitching lines of fabric where desired.

RECOMMENDED SETTINGS

Stitch Selection: Crescent Stitch,

Chinese Dynasty Stitch,

Solip Scallop Stitch

Stitch Width:

Stitch Length:

Foot:

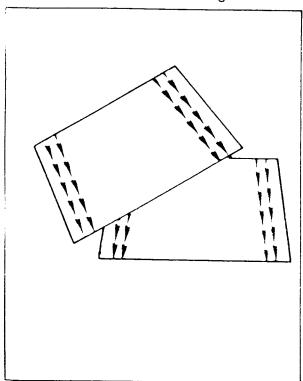
Special Purpose (J)

Needle Plate:

General Purpose (A)

- Center marked line under presser foot and stitch.
- Pull threads to wrong side of fabric; tie and trim.

These stitches are decorative and secure finish to seams, pleats and pockets it can also be used as a border design.



BORDER DESIGN

- · Sew seams in usual manner and press.
- Mark stitching lines on fabric where desired.

RECOMMENDED SETTINGS

Arrow Stitch/

Stitch Selection: Bunting Stitch / Privet

Stitch Width:

11111

Stitch Length:

Foot:

Special Purpose (J)

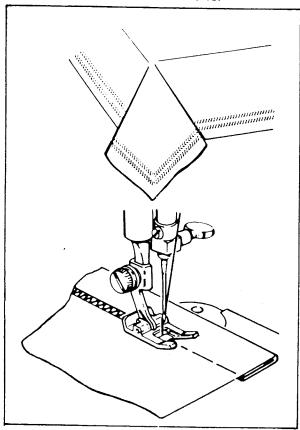
Needle Plate:

General Purpose (A)

- Center stitching line under presser foot, and sew.
- · Trim thread ends close to fabric.

WIZARD STITCH VVVVVV /RANDOM RIC-RAC STITCH VVVVV

These stitches can be used for appliquéing, joining patchwork or forming decorative hems on bed and table linens.



HEMSTITCHING

- Fold a double hem of desired width and baste.
- Mark a guideline for hemstitching on right side of fabric just above top of hem edge.

RECOMMENDED SETTINGS

Stitch Selection: Wizard/Random Ric-Rac

Stitch Width:

Stitch Length:

Foot: Needle Plate: Special Purpose (J)

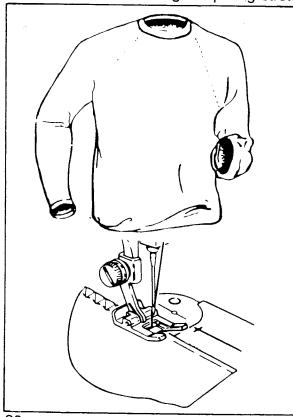
General Purpose (A)

Adjust balance, if necessary

- Place work, right side up with hem facing, right, under presser foot.
- · Lower presser foot and stitch along guideline.
- Be sure stitches on left side of line fall over hem edge (into single thickness of fabric) and stitches on right side fall into double fold of hem.

STRETCH OVEREDGE STITCH TYVVX

With this stitch you can stitch and finish a seam in one step. It is also ideal for finishing seams, hems and facings requiring stretch.



OVEREDGE SEAM

 Trim seam edge 1/4" (6mm) from position you wish your seam.

RECOMMENDED SETTINGS

Stitch Selection: Stretch Overedge

Stitch

Stitch Width:

Stitch Length:

Foot:

Special Purpose (J)

Needle Plate:

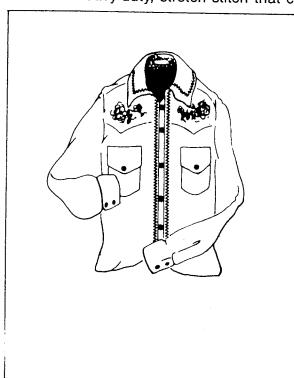
General Purpose (A)

Adjust balance, if necessary

- Position trimmed seam under presser foot, as shown.
- Straight stitches should fall on seam line; zig-zag stitches should fall over seam edge.
- On 8 stitch machine you may create a straight stretch stitch, as shown on page 28, by setting stitch width to the left.

RIC-RAC /STRAIGHT STRETCH STITCH ====

This is a heavy-duty, stretch stitch that can also be used for topstitching.



TOPSTITCHING

- Sew seams in usual manner and press.
- For topstitching hard-to-reach areas, convert machine to free arm sewing.

RECOMMENDED SETTINGS

Stitch Selection: Ric-Rac/Straight Stretch Stitch

Stitch Width:

Stitch Length:

0-1-2-3-4 a

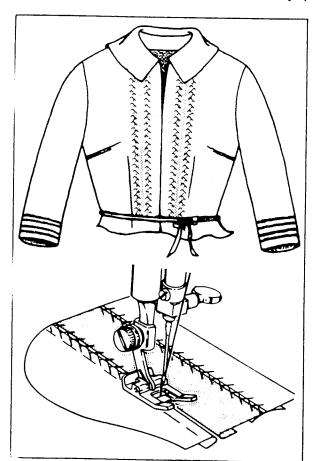
Foot: Needle Plate: Special Purpose (J) General Purpose (A)

Adjust balance, if necessary

- Place garment right side up, under foot.
- Slowly topstitch desired areas.
- Pull threads to wrong side of fabric; tie and trim.
- To create a straight stretch stitch, set stitch width to the left and stitch length to #4.

ROAD RUNNER STITCH >>>>> /FAGOTING STITCH >>>>>>>

Use these stitches fagoting, embroidery, patchwork or strengthening seams.



This is an open, lacy stitch used to join two pieces of fabrics.

- Fold under edges to be joined and press.
- Baste the edges 1/8" (3mm) apart onto a sheet of tissue paper for support.
- Position center of work under center of presser foot.

RECOMMENDED SETTINGS

Stitch Selection:

Road Runner Stitch

Fagoting Stitch

Stitch Width:

Stitch Length:

11 1

Foot: Needle Plate:

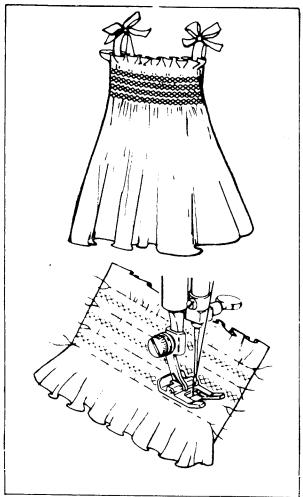
Special Purpose (J) General Purpose (A)

Adjust balance, if necessary

- As you sew, the needle should make a stitch first in one fabric strip, and then in the other.
- After stitching is completed, remove tissue and basting.

HONEYCOMB STITCH XXXX

Use the Honeycomb Stitch for smocking, mending and sewing stretch fabrics.



SMOCKING

Smocking is decorative stitching across evenly spaced gathers of fabric.

To Gather Fabric:

RECOMMENDED SETTINGS

Stitch Selection:

Straight Stitch

Stitch Width:

||{**|**|**|**|**|**|**|**|**|**||**|**||

Stitch Length:

Foot: Needle Plate: Special Purpose (J)
General Purpose (A)

- Sew rows of straight stitches, 1/4" apart, across area to be smocked.
- Pull thread evenly, gathering fabric.
- Tie ends of every two rows of stitching together to hold gathers in place.
- Baste a backing to wrong side of fabric. *To Smock Fabric:*

RECOMMENDED SETTINGS

Stitch Selection: Honeycomb Stitch

Stitch Width:

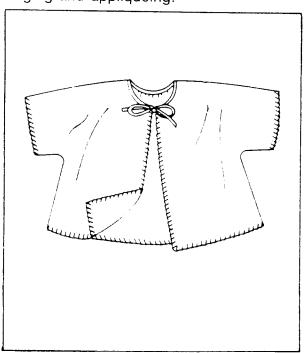
Stitch Length:

Adjust balance, if necessary

- Sew between rows of straight stitches.
- Pull out straight stitches when completed.

SLANT OVEREDGE STITCH YMY SEAGULL STITCH YMY

With these stitches you can stitch and finish a seam in one step. It is also ideal for edging and appliquéing.



EDGING

Add a delicate touch to your sewing while finishing and reinforcing your edges.

Sew seams in usual manner and press.

RECOMMENDED SETTINGS

Stitch Selection: Slant Overedge Stitch,

Seagull Stitch

Stitch Width:

Stitch Length:

Foot:

Special Purpose (J)

Needle Plate: Ge

General Purpose (A)

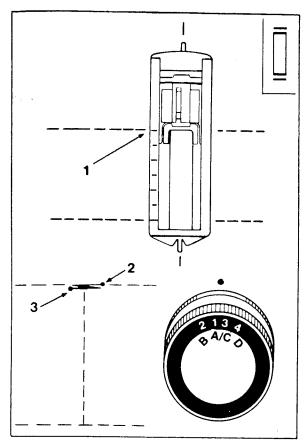
Adjust balance, if necessary

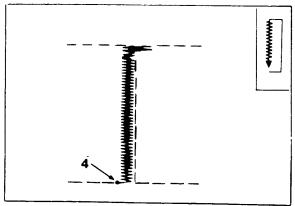
- Place edge of garment, right side up, under presser foot.
- Bulk of garment should be to the left.
- As you stitch, needle should go over right edge of fabric, as shown.

SECTION 5 FOUR-STEP BUTTONHOLING

Your machine makes buttonholes in four easy steps.

- You never need to move the fabric or reposition the needle.
- Always make a practice buttonhole on a sample of your fabric.
- Be sure bobbin contains enough thread.
- When making buttonholes on hard-to-reach areas convert machine bed to free arm sewing.
- Mark buttonhole position on fabric as indicated in pattern.
- When sewing delicate fabrics, place a piece of paper over the fabric when positioning the garment. Lower the presser foot and slip the paper out from under the foot. This will prevent the teeth on the underside of the foot from picking and pulling the fabric.





Recommended Settings

Stitch Selection: Buttonhole Stitch

Stitch Width:

Stitch Length:

Foot: Buttonhole (L)

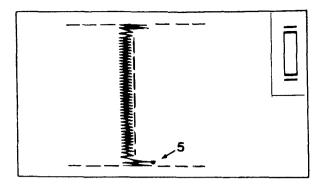
Needle Plate: General Purpose (A)

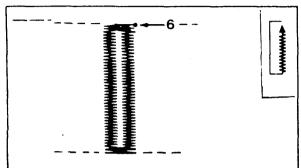
Step 1

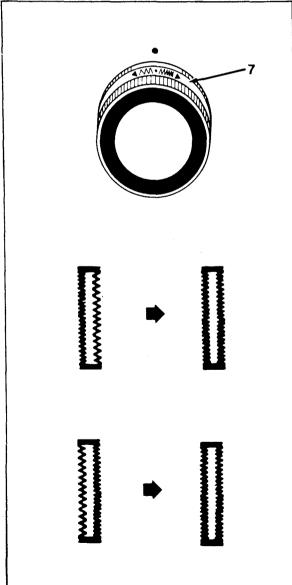
- Raise presser foot.
- Place fabric under foot.
- Center a red guideline (1) of foot around beginning line of buttonhole.
- Select Buttonhole Stitch
- Position needle in fabric at point (2).
- Lower the foot and make sure the sliding portion of the foot is all the way forward.
 Make 4 or5 stitches ending at point (3).
- · Raise needle.

Step 2

- Select Buttonhole Stitch
- Stitch down to point (4).
- · Raise needle.







Step 3

- Select Buttonhole Stitch $\bar{\mathbb{Q}}$
- Make four or five stitches, ending at point (5).
- Raise needle.

Step 4

- Select Buttonhole Stitch
- Stitch up to point (6).
- · Raise needle.
- Raise presser foot and remove garment from machine.
- Clip thread ends.
- Carefully cut buttonhole opening with a seam ripper or small, sharp scissors.

ADJUSTING BALANCE OF BUTTONHOLE

If the two stitching sides of your buttonhole are unequal, turn the stitch balance ring (7), located behind the selector dial.

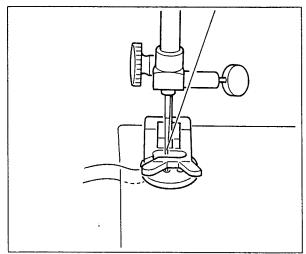
On some heavy weight fabrics an adjustment might be necessary.

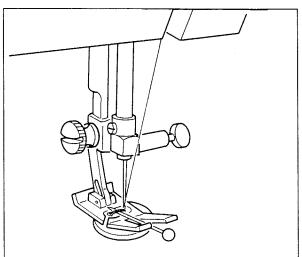
- If the right side of stitching is too open turn stitch balance ring **slightly** to the right until both sides are equal.
- If the left side of stitching is too open turn stitch balance ring **slightly** to the left until both sides are equal.

SECTION 6 ADDITIONAL STITCH FUNCTIONS

SEWING ON BUTTONS

Flat buttons can be sewn on quickly and easily using the plain zig-zag stitch.





RECOMMENDED SETTINGS

Stitch Selection:

Zig-Zag Stitch

Stitch Width:

Foot:

Stitch Length:

0

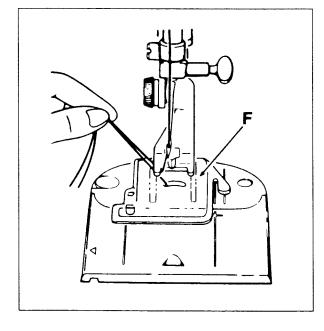
General Purpose (B) or

Button Sewing (H)

Needle Plate:

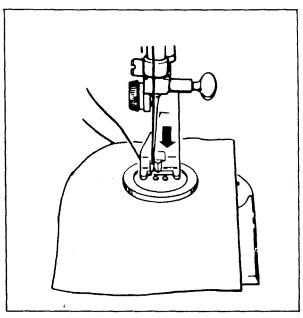
General Purpose (A)

- Align both holes of the button with the slot of the foot and place the left hole of the button just below the needle point.
- Lower the foot and turn hand wheel until the needle point comes just above the right hole of the button.
- Take 6-12 stitches. Remove garment from machine. Pull thread to underside of garment and knot.

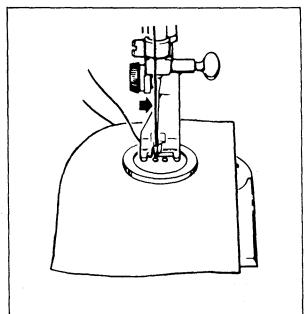


ATTACHING BUTTON SEWING FOOT (H) (Optional Accessory)

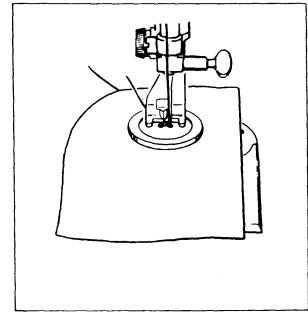
- Attach Feed Cover (F).
- Raise presser foot lifter. Remove presser foot with shank, place button sewing foot (H). (See page 10.)
- The space between the holes in the button determines stitch width setting.
- Before you can attach a button, the bobbin thread must be brought up through the hole in the feed cover (F).



2. Turn hand wheel toward you, lowering needle into either hole of button.



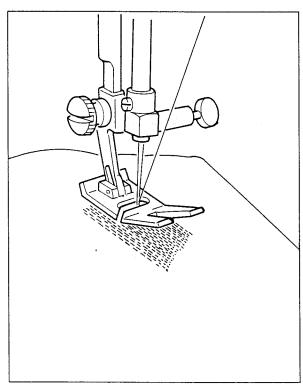
 Continue turning hand wheel until needle rises and moves over the other hole of button. Adjust width if necessary.

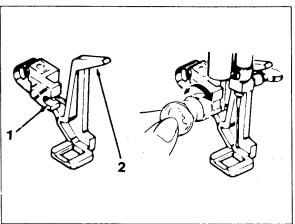


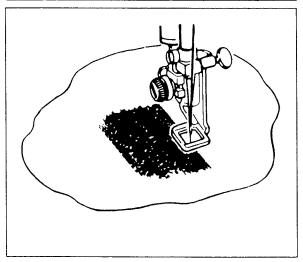
- 4. Lower needle into hole.
- Run machine **slowly** making 6 or more stitches to attach button.
- Remove work from machine, leaving 4" (10cm) of thread.
- To secure stitching, pull thread ends to inside of garment and knot close to fabric.

DARNING

You may mend worn or torn area easily when you follow with procedure suggested below.







RECOMMENDED SETTINGS

Stitch Selection:

Straight Stitch

Stitch Width:

Stitch Length:

Foot:

Special Purpose (J)

Darning and Embroidery (H)

Needle Plate:

General Purpose (A)

Attach Feed Cover (F)

- If area to be darned is open, baste an underlay in place.
- · Place area to be darned under the presser foot. Lower the presser foot and start stitching. Alternately drawing the fabric toward you and gently pulling away from you until area is filled with parallel lines of stitching.
- · For additional strength, cover area with crosswise lines of stitching.

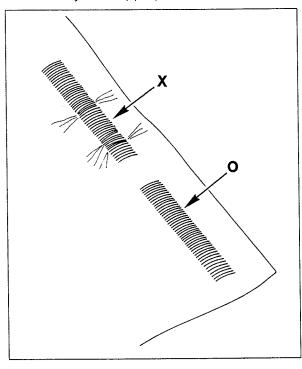
ATTACHING DARNING AND EMBROI-DERY FOOT (G) (Optional Accessory)

This foot permits better control of fabrics.

- · Raise needle.
- Remove presser foot with shank.
- Guide Darning and Embroidery Foot (G) from back of needle, with holding fork (1) around presser foot screw, and lifting finger (2) above needle clamp. Tighten presser foot screw with coin.
- To remove, loosen screw; guide foot back.
- Attach Feed Cover (F).
- Place area to be darned, right side up, under presser foot; lower foot.
- Stitch, guiding fabric back and forth, until entire area is filled in.

SATIN STITCHING

Satin stitching is a series of closely spaced zig-zag stitches. Satin stitch monograms, embroidery and appliques for a smooth, satin-like finish.



RECOMMENDED SETTINGS

Stitch Selection:

Zig-Zag Stitch

Stitch Width:

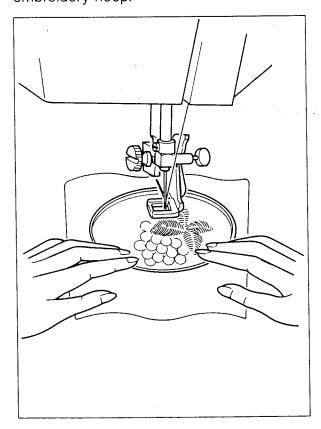
Stitch Length:

Foot: Needle Plate: Special Purpose (J)
General Purpose (A)

- Practice to get desire stitch appearance. Adjust thread tension. (See page 17.)
- Satin stitching requires less tension than straight stitching or open zig-zag stitching.

FREE MOTION EMBROIDERY

In free motion embroidery, you sew without a presser foot, and control the fabric with an embroidery hoop.



RECOMMENDED SETTINGS

Stitch Selection:

Straight Stitch or

Zig-Zag

Stitch Width:

Stitch Length:

Foot:

Remove foot with shank

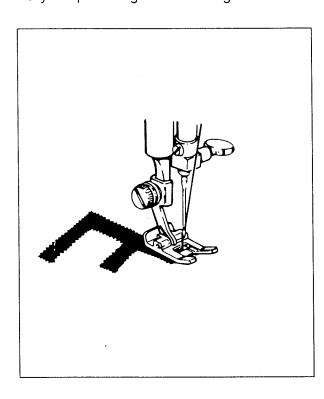
Needle Plate:

General Purpose (A)

- Attach Feed Cover (F).
- Be sure to lower presser foot lifter.
- When embroidering, as shown, Lengthen stitches by moving the hoop faster or slower.

NOTE: The OPTIONAL Darning and Embroidery Foot (G) may be used to help control fabric.

Very simple straight line monograms can be made with the plain zig-zag stitch.



RECOMMENDED SETTINGS

Stitch Selection: Zig-Zag Stitch

Stitch Width:

Stitch Length:

Foot:

Special Purpose (J)

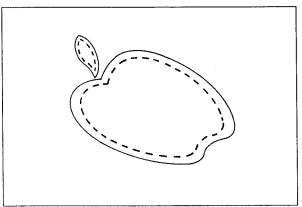
Needle Plate:

General Purpose (A)

- Lightly trace letter on right side of fabric
- Center tracing under needle.
- Stitch entire outline, leaving needle in fabric when turning.
- Pull threads to wrong side of fabric; tie and trim.

APPLIQUES

Applique adds motif to clothes and household linens. You can buy motifs or design by yourself.



• Cut out design. Position the design, baste it to the fabric.

RECOMMENDED SETTINGS

Stitch Selection:

Zig-Zag Stitch

Stitch Width:

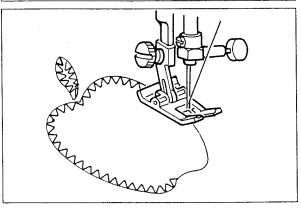
Stitch Length:

Foot:

Special Purpose (J)

Needle Plate:

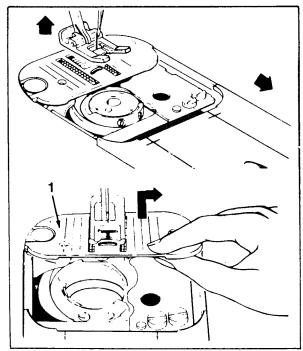
General Purpose (A)



• Stitch, following the outline. This will produce smooth overedged finish.

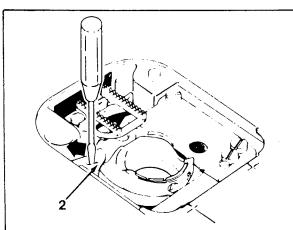
SECTION 7 CARING FOR YOUR MACHINE

REMOVING AND REPLACING BOBBIN CASE



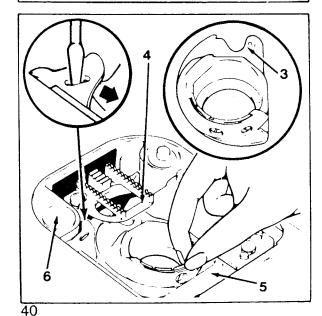
CAUTION: Before cleaning or adjusting the machine, remove plug from the socket outlet.

- · Raise presser foot and needle.
- Open slide plate and remove bobbin.
- To remove the bobbin case, the needle plate must be removed first.
- Lift needle plate (1) from right corner and slide out from under foot.



TO REMOVE BOBBIN CASE

- With a small screwdriver, turn lever (2) back as far as it will go.
- · Lift out bobbin case.



TO REPLACE THE BOBBIN CASE

- Guide forked end (3) of bobbin case under feed (4).
- Draw rim of bobbin case under position plate (5).
- Turn lever (2) toward you, locking bobbin case in place.

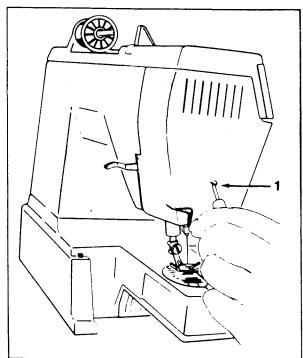
NOTE: After locking case in place, be sure it is **not tight**, but can **move slightly**.

- To replace needle plate, slide it under pin (6) and push it to the left.
- Press needle plate down in place.
- · Insert bobbin and close slide plate.

REMOVING AND REPLACING LIGHT BULB

CAUTION:

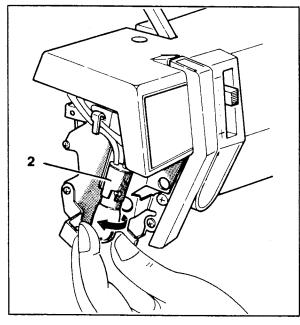
Before changing light bulb, make sure you have removed plug from socket outlet.
 Be sure to replace the face plate which covers the light bulb before operating the machine.



• This machine is designed to use a 15-watt maximum light bulb.

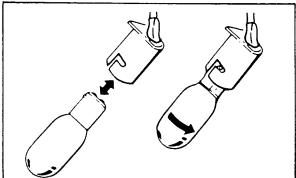
To change the light bulb, the face plate must first be removed.

- Loosen and remove screw (1).
- Slide face plate down and away from machine.



TO REMOVE THE LIGHT BULB

- Push bulb up into socket (2) and turn to the left to unlock bulb pins.
- · Pull bulb down and out of socket.

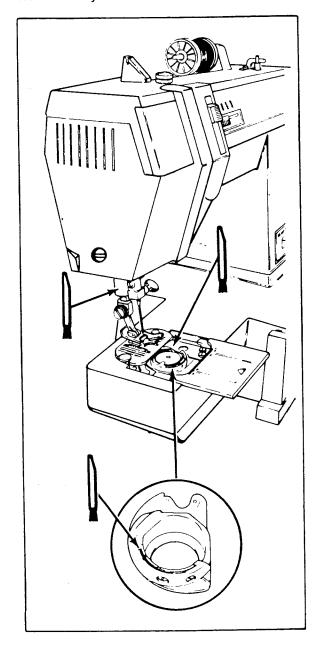


TO REPLACE THE LIGHT BULB

- Push new bulb up into socket and turn to the right until pins lock into position.
- Reposition face plate by sliding top edge of plate under edge of top cover.
- Line up screw hole in plate with screw hole in machine.
- Insert screw and tighten.

CLEANING THE MACHINE

Your machine is designed to give you many years of dependable service. To ensure this reliability, take a few minutes to keep the machine clean. How often you clean it depends on how often you use it.



- Using the lint brush, remove lint or dust from:
- -presser bar
- -needle bar
- bobbin case (if there is a lot of lint in this area, remove the bobbin case for cleaning)
- —machine surface (if necessary, dampen a soft cloth and use a mild soap to clean the surface)
- Remove needle plate as instructed and clean exposed area with a lint brush.

BEFORE STORING YOUR MACHINE

- To disconnect, turn all controls to off ("0") position, then remove plug from outlet.
- Unplug foot controller from machine.
- Lower presser foot lifter.
- Turn handwheel to lower needle bar to the lowest position.
- Place your machine out of reach of children in safe, dry location.

PERFORMANCE CHECKLIST

When sewing difficulties occur, look back through this manual to make sure you are correctly following the instructions. If you still have a problem, the reminders below may help you to correct it.

Needle Does Not Move

Is machine connected to electrical supply? Is the power and light switch on? Is controller connected?

Needle Moves But Stitch Is Not Formed

Is needle defective?
Is needle fully inserted into needle clamp?
Are bobbin and needle correctly threaded?
Is bobbin correctly inserted into bobbin case?

Needle Breaks

Is needle straight and sharp?
Is needle correct size?
Is needle fully inserted into needle clamp?
Are controls properly set?
Are accessories correct for application?

Bobbin Winding Difficulties

Is thread unwinding freely from spool?
Is bobbin winder engaged?
Is thread end securely held at start of wind?

Upper Thread Breaks

Is machine properly threaded?
Is thread freely unwinding from spool?
Is proper spool cap being used?
Is needle correct size for thread?
Is upper thread tension too tight?
Is bobbin case properly inserted?
Is bobbin rim free of nicks?

Lower Thread Breaks

Is bobbin correctly wound?
Is bobbin correctly inserted in to bobbin case?
Is bobbin case correctly threaded?

Skipped Stitches

Is machine properly threaded? Is fabric firmly held down? Is needle correct style and size? Is needle straight and sharp?

Fabric Does Not Move Properly Under Presser Foot

Is presser foot correctly attached to machine?
Is presser foot lowered?
Is stitch length correctly set?

Fabric, Thread and Needle Table

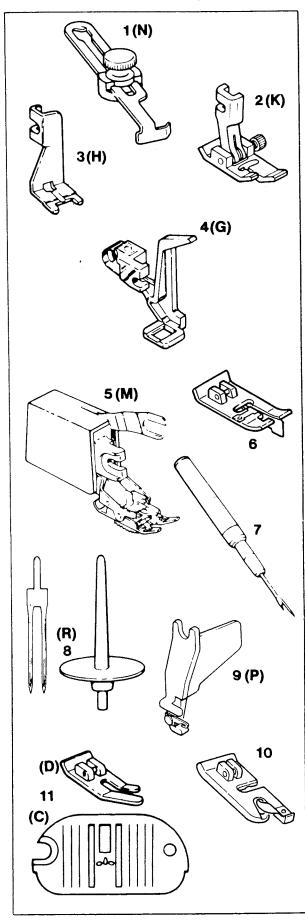
- The needle and thread used for a sewing project depends upon the fabric that is chosen.
- The table below is a practical guide to needle and thread selections for most situations.
- Refer to it before starting to sew. Be sure to use the same size and type of thread in both needle and bobbin. For best results, use only genuine Singer needles.

		Needles	
Fabric	Thread	Туре	Size
Delicate-tulle, chiffon, fine lace, organza	Fine mercerized cotton fine synthetic thread	Style 2020	9/70
Lightweight - batiste, organdy, jersey, voile, taffeta, crepe, chiffon velvet, plastic film	50 mercerized cotton-silk fine synthetic thread	Style 2020	11/80
Medium Weight - gingham, percale, pique, linen, chintz, faille, satin, fine corduroy, velvet, suitings, knits, deep-pile fabrics, vinyl Medium Heavy - gabardine, tweed, sailcloth, denim, coatings, drapery, vinyl, deep-pile fabrics	50 mercerized cotton- 60 cotton synthetic thread	Style 2020	14/90
	Heavy-duty mercerized cotton 40 to 60 cotton-Synthetic thread	Style 2020	16/100
Heavy - overcoatings, dungaree, upholstery fabrics, canvas	Heavy-duty mercerized cotton 24 to 40 cotton-Synthetic thread	Style 2020	18/100
All Weights - decorative topstitching	Buttonhole twist**	Style 2020	16/100 18/100
Synthetic Knits and Stretch Fabrics - polyester doubleknit, nylon tricot, jersey, cire, panne velvet, bonded fabrics, raschel	Synthetic thread- 50 mercerized cotton- Silk	Style 2045 Ball Point	14/90
Leather-suede, kidskin lined leathers	50 mercerized cotton Synthetic thread-Silk	Style 2032	11/80 14/90 16/100

^{**} Use with standard sewing thread in bobbin.

OPTIONAL ACCESSORIES (SOLD SEPARATELY)

Additional Accessories for your sewing machine are available at your sewing center.

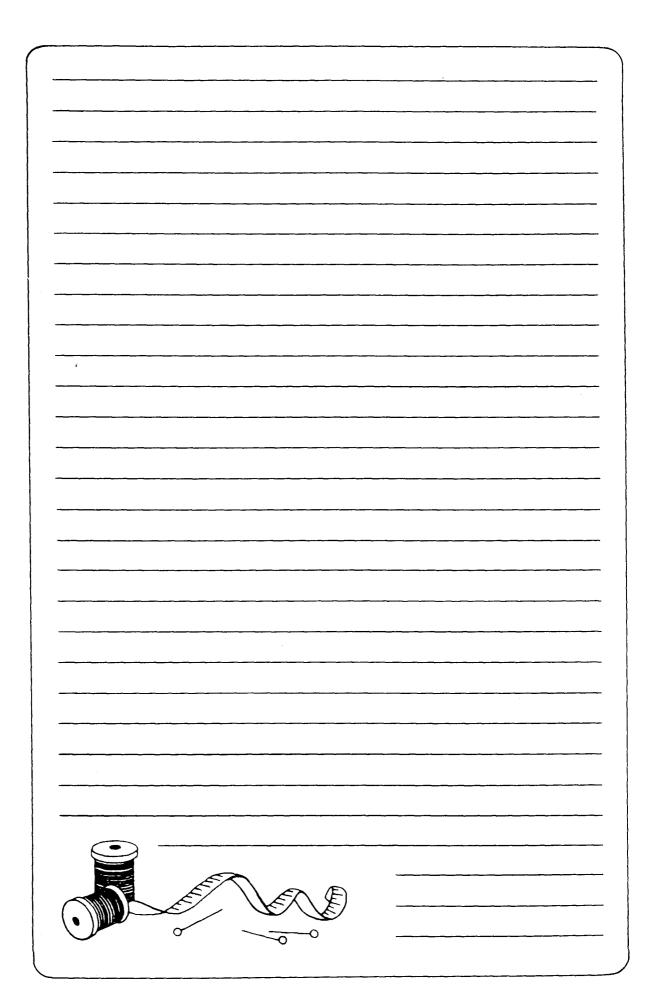


- 1. Seam Guide (N), helps keep seam allowance even.
- 2. Blindstitch Presser Foot (K), helps guide fabric for nearly invisible blindstitch hems.
- 3. Button Sewing Foot (H), holds buttons securely for fastening.
- 4. Darning and Embroidery Foot (G), is recommended for free motion work, such as embroidery, monogramming and decorative designs.
- Even Feed Foot (M), is used for sewing hard to feed pile, stretch and bonded fabrics. Also excellent for plaids, stripes and topstitching.
- **6. Overedge Foot,** use with Overedge Stretch Stitch for seams in stretch fabrics.
- 7. Seam Ripper, used to pick and cut threads quickly and neatly.
- 8. Twin Needle and Spool Pin (R), are used for decorative twin needle (2 threads) stitching on woven and knit fabrics.
- Needle Threader (P), assists in threading machine needle.
- Rolled Hemmer Foot is used to stitch a narrow hem in a single operation.
- 11. Straight Stitch Presser Foot (D), and Needle Plate (C), are used when straight stitching light-weight fabrics.

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ADDENDUM INSTRUCTIONS

PLEASE READ THESE INSTRUCTIONS FIRST

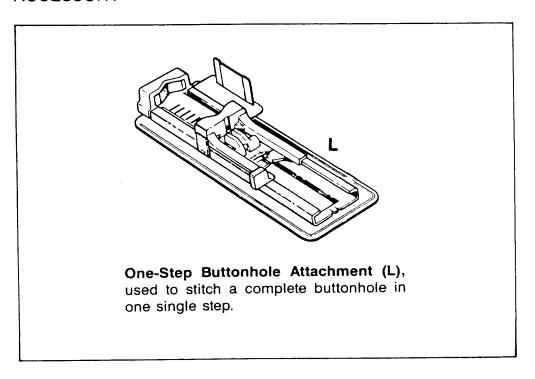
24 PATTERN SPECIAL MODEL SEWING MACHINE

SINGER

Your machine is a special model with a deluxe 1-step buttonholing system. electronic speed control and new style pattern stitches.

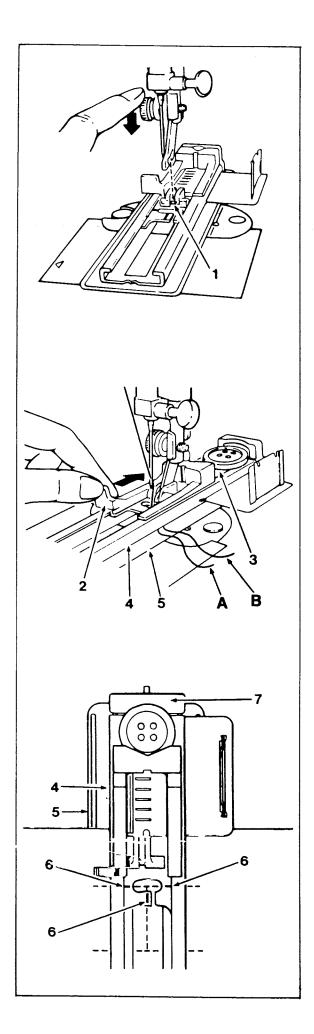
Basic use of your machine is covered in the standard operators manual while use of the buttonhole foot and different stitch patterns is covered in this addendum.

ACCESSORY



ONE-STEP BUTTONHOLING

- Your machine automatically makes a buttonhole to the size of your button in one step. You never need to move the fabric or reposition the needle.
- Always make a practice buttonhole on a sample of your fabric.
- Be sure bobbin contains enough thread.
- When making buttonholes on hard-to-
- reach areas, convert machine bed to free arm sewing.
- Mark buttonhole position on fabric as indicated in pattern.



RECOMMENDED SETTINGS

Stitch Selection: Buttonhole Stitch

Stitch Width:

Stitch Length: 1 1 delimining

Foot: Buttonhole Attachment (L)
Needle Plate: General Purpose (A)

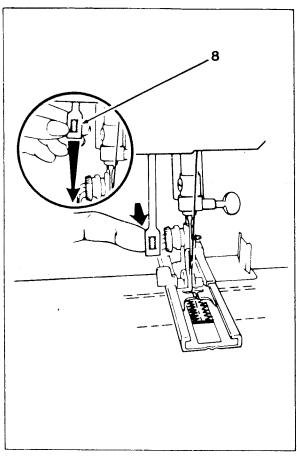
Fastening the Buttonhole Attachment

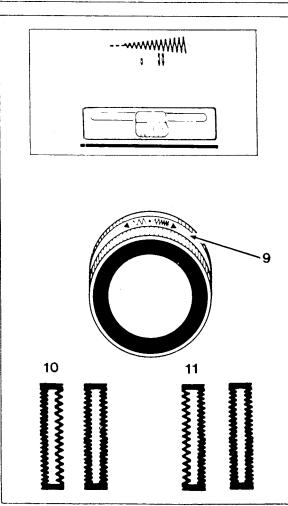
- Remove presser foot from shank.
- Place buttonhole attachment behind shank and guide it forward.
- Center pin (1) in attachment under shank, and lower presser foot lifter.
- Press presser foot screw down firmly until shank snaps into place.

Setting the Length of Buttonhole

- Open button clamp (2) and place button on carrier (3).
- Slide clamp (2) back to hold button in place.
- Raise foot lifter and draw needle thread

 (A) and bobbin thread (B) between upper
 (4) and lower (5) plates of button attachment, and to the back of machine.
- Place fabric between upper and lower plates.
- Center 3 red guidelines (6) of attachment around beginning line of buttonhole.
- Lower presser foot lifter.
- Push foot from back of button carrier (7) toward you to insure proper buttonhole length.





- Pull buttonhole lever (8), located under sewing light, straight down as far as it will go.
- Press it toward you.
- Start running the machine.
- The entire buttonhole will be stitched in one operation.
- Stop sewing when machine begins overlapping starting stitches.
- Raise foot lifter and remove work from machine; clip thread ends; cut buttonhole opening with scissors or seam ripper.
- (Adjust width and balance of test buttonhole, if necessary.)
- Press buttonhole lever toward you for each buttonhole to be sewn.
- When all buttonholes are completed, push buttonhole lever (8) back up into machine.
- To remove buttonhole attachment, raise, presser foot lifter and press down on both sides of button carrier near shank, and slide off machine.

ADJUSTING WIDTH OF BUTTONHOLE OPENING

If the width of the buttonhole opening is too narrow or too wide, it can be adjusted by the stitch width lever.

- Widen the buttonhole opening by moving the stitch width lever slightly left.
- Narrow the buttonhole opening by moving the stitch width lever slightly right.

ADJUSTING BALANCE OF BUTTONHOLE

If the two stitching sides of your buttonhole are unequal, turn stitch balance ring (9) behind pattern selector dial.

- If the right side of stitching is too open (10), turn stitch balance ring slightly left.
- If the left side of stitching is too open (11), turn stitch balance ring slightly right.

LICATIONS

STITCH LENGTH	STITCH WIDTH	PRESSER FOOT	REQUIRES BALANCING
! ស្ព័រប្រហារិមា រ			No
รลีกเลียกรีเก็			Yes

NEW STYLE PATTERNS RECOMMENDED SETTINGS AND AP.

Please note, these patterns take the place of the following standard patterns:

	Please note, these patterns take the place of the following standard patterns:			
	PATTERN	APPLICATIONS		
	Kite Tail	Borders, edges, smocking and embroidering.		
	. Domino	Decorative stitching		
	.wwww. Flag			
	Satin Bead			
	Boomerang	Decorative stitches for borders and smocking		
٠	Lady Bug			
	Rampart Stitch	Sewing over filler cord, narrow ribbon, elastic, yarn or thread.		
		Appliqueing, joining patchwork, hemstitching and drawn-thread		
	Turkish Stitch	work on plain weave fabric.		
	LXXXX	Borders, embroidery and smocking.		
	Crown			