

# 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 12 volts, 5 watts. Be sure to replace the face plate which covers the light bulb 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 ("O") 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.

Machine 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 indentifying the terminals in your plug, proceed as follows:

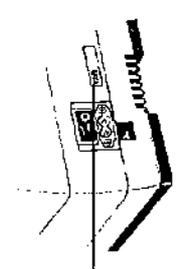
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black. The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red. If a 13 Amp. (BS 1363) plug is used, a 3 Amp. fuse must be fitted, 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.

18-10-79

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Dear Customer:

We recommend that for future reference you record the Serial Number of your Sewing Machine in the space provided.



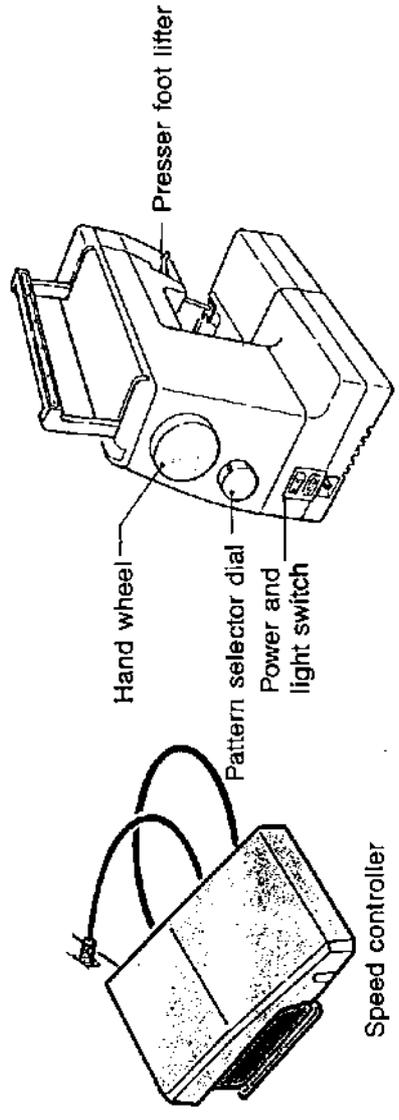
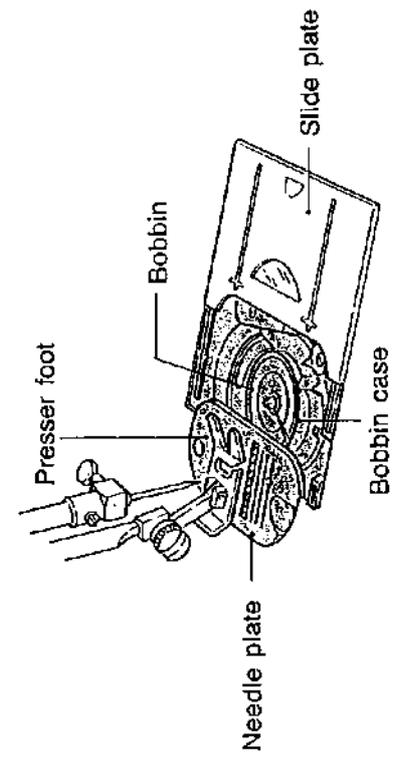
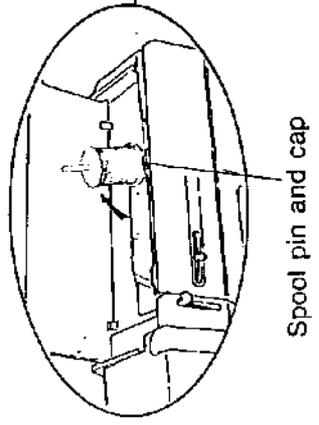
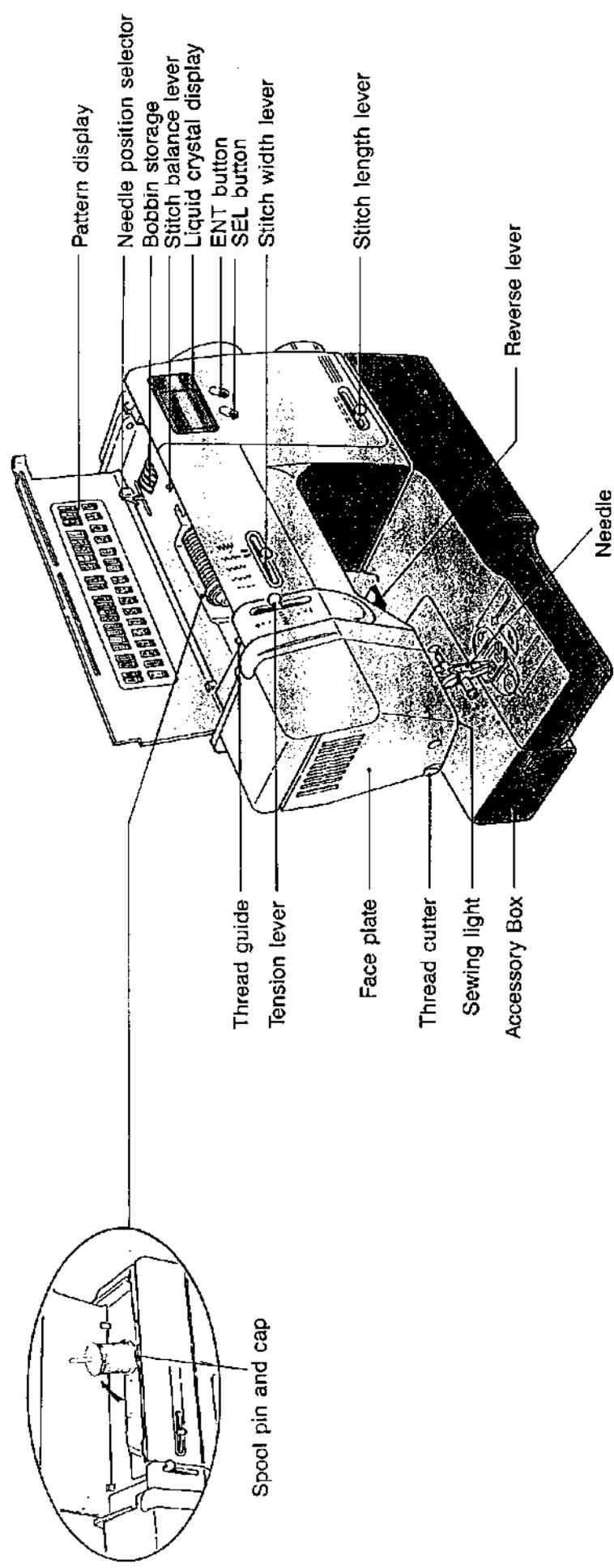
Refer to illustration at right for location of Serial Number on your machine.

Serial No. \_\_\_\_\_

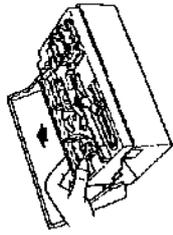
Model No. \_\_\_\_\_

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.

SINGER CUSTOMER ASSISTANCE IN THE U.S.A.  
TOLL-FREE NUMBER: 1-800-877-7762



# ACCESSORIES INCLUDED WITH MACHINE



(B)

General purpose  
presser foot  
(on machine)  
#313150



(D)

Straight stitch  
presser foot  
#353628



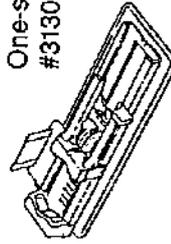
(E)

Zipper foot  
#171480



(L)

One-step buttonhole foot  
#313093



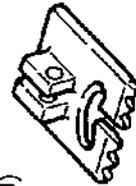
(T)

Shirring foot  
#543106



(U)

Pin tuck foot  
#317263



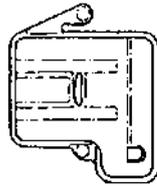
(A)

General purpose  
needle plate  
(on machine)  
#312777



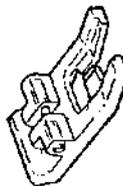
(F)

Feed cover  
#313117



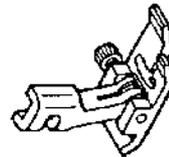
(J)

Special purpose  
presser foot  
#171463



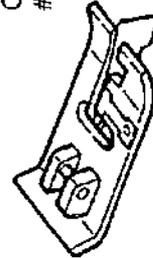
(K)

Blindstitch presser foot  
#381491



(S)

Overedge foot  
#541582



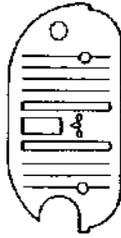
(O)

Open toe foot  
#317446



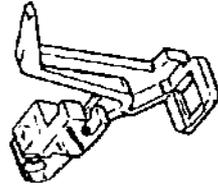
(C)

Straight stitch  
needle plate  
#313066



(G)

Darning and  
embroidery foot  
#384087



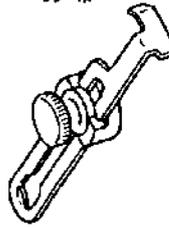
(H)

Button sewing foot  
#381066



(N)

Seam guide  
#161172

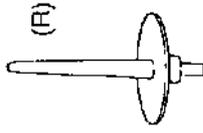


(Q)

Twin needle #2025  
spool pin #313026



(R)



(Q)



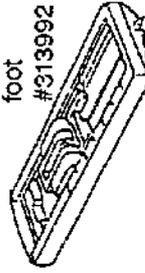
Small spool cap  
#507664



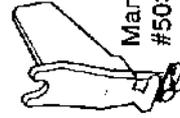
Spool cap  
(on machine)  
#179967

(LL)

Two-step buttonhole  
foot  
#313992

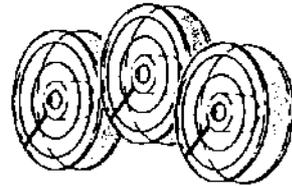


(P)

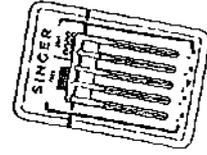


Manual needle threader  
#503277

Bobbins  
(1 in machine)  
#312956



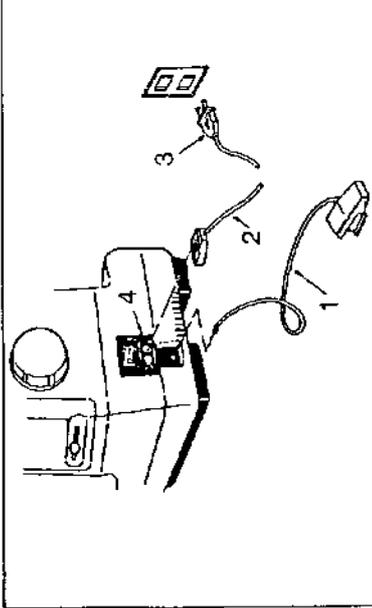
Needle pack



\* When using presser feet (G), (H) and (K), you can only use manual needle threader to thread needle.

# CONNECTING AND RUNNING MACHINE

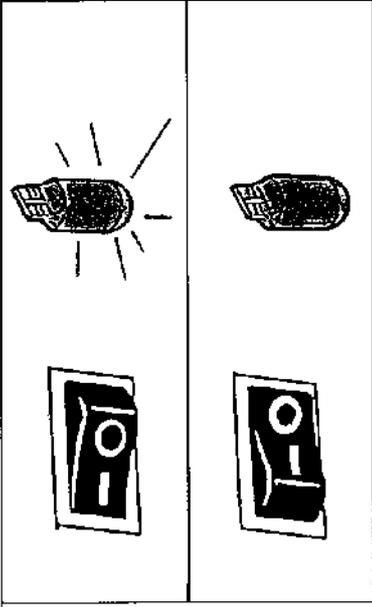
CONNECTING -



Push speed controller tube (1) and electrical power cord (2) into receptacle (4).

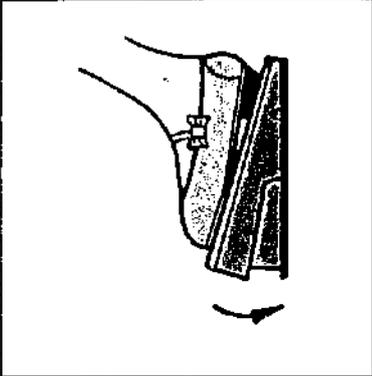
Plug power cord (3) into electric outlet.

RUNNING -

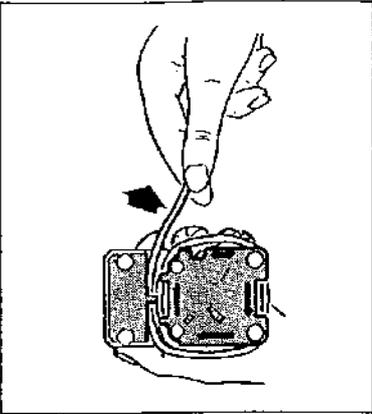


Power on-press "1" side of switch.

Power off-press "0" side.



Press speed controller to run machine.



When not using machine, rewind air hose around speed controller for storage, as shown.

Note:

Do not operate machine without material under presser foot.

## SYMBOL INSTRUCTIONS

To simplify understanding, the following symbols are used throughout the operator's manual.



Press SEL button.



Press ENT button.



Turn power off.



Press speed controller



Lower presser foot



Raise presser foot



Use hand wheel to raise needle.

# THREADING MACHINE

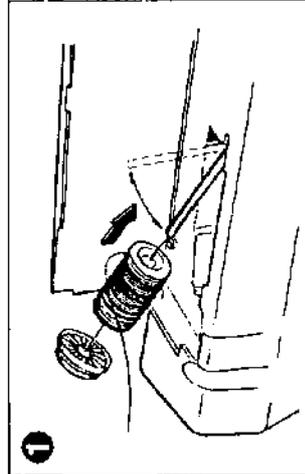


## 4 USING BUILT-IN NEEDLE THREADER

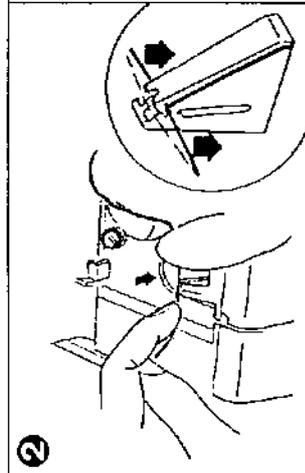


Move stitch width lever to straight stitch

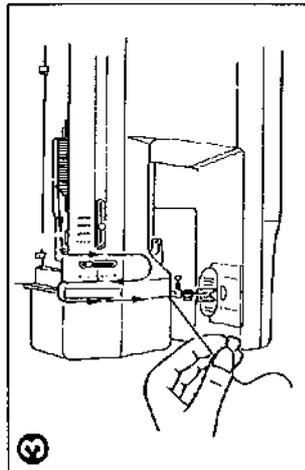
Place thread and cap onto spool pin.



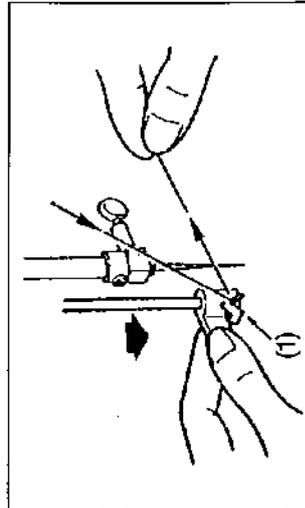
Snap thread into thread guide.



Following arrows, guide thread down to needle.

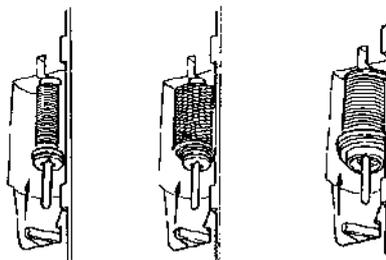


Pull threader down. Loop thread around thread guide (1).

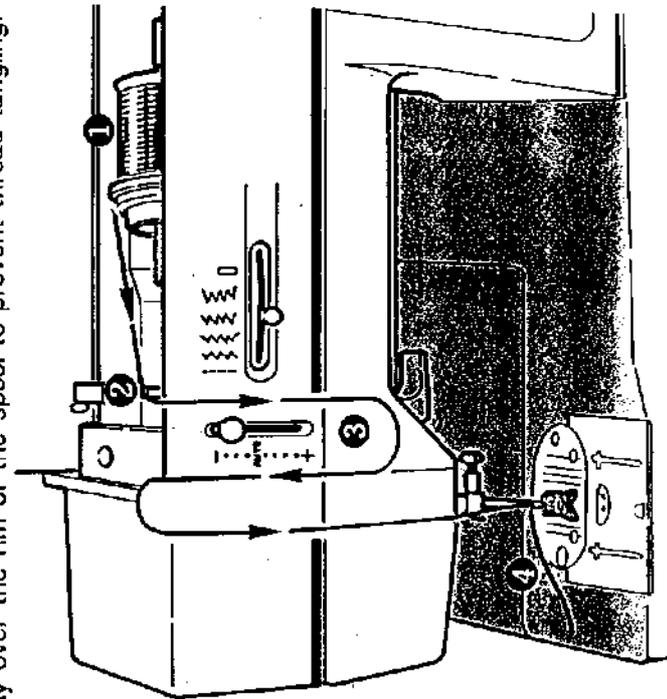


Slide spool cap firmly over the rim of the spool to prevent thread tangling.

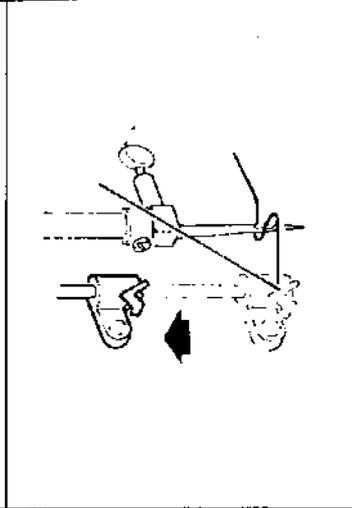
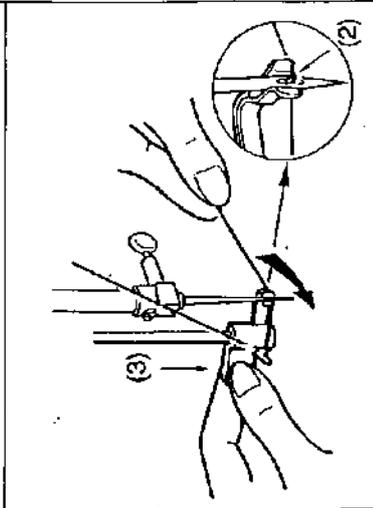
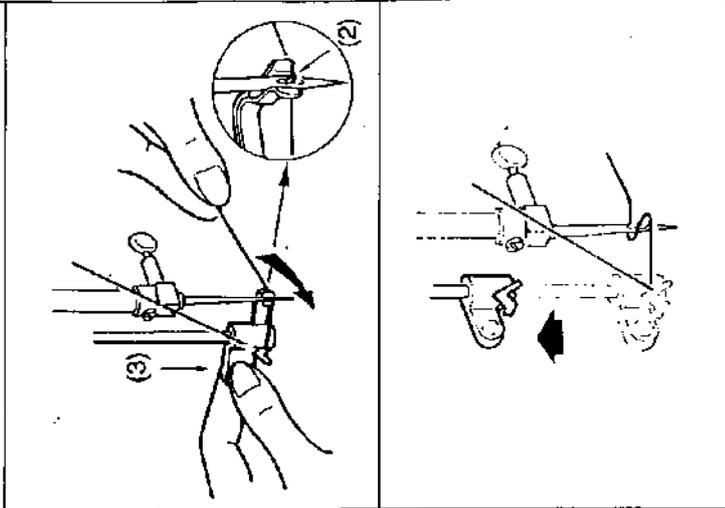
For best sewing performance use proper spool cap.



Turn threader (3) to insert hook (2) through eye of needle. Guide thread into hook (2).



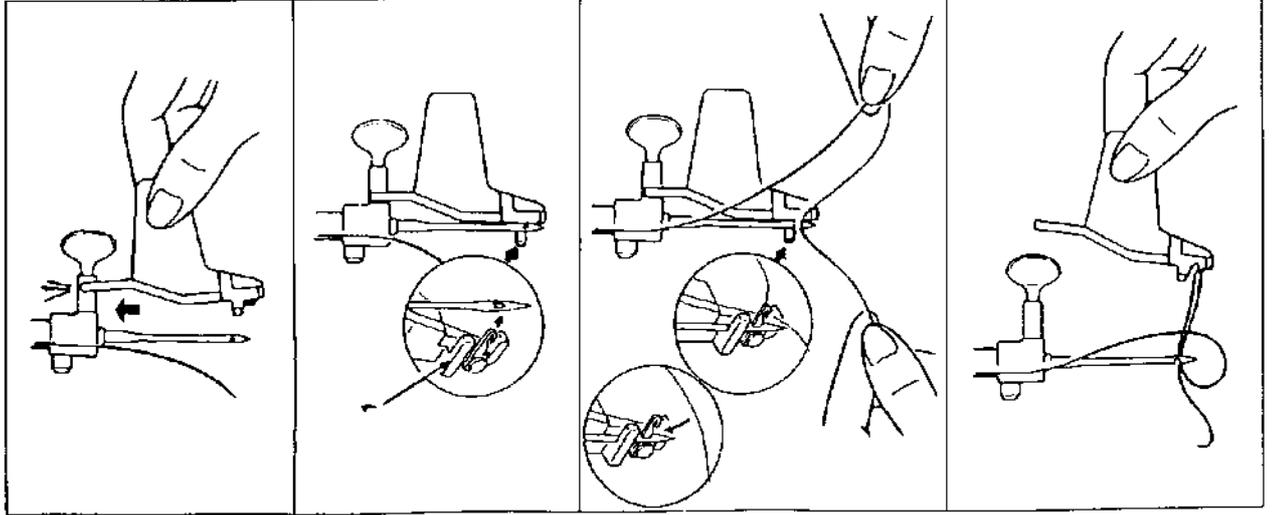
Turn threader (3) to draw hook (2) and thread through eye of needle. Release threader, it will rebound to original position.



**WINDING BOBBIN**



**USING MANUAL NEEDLE THREADER**

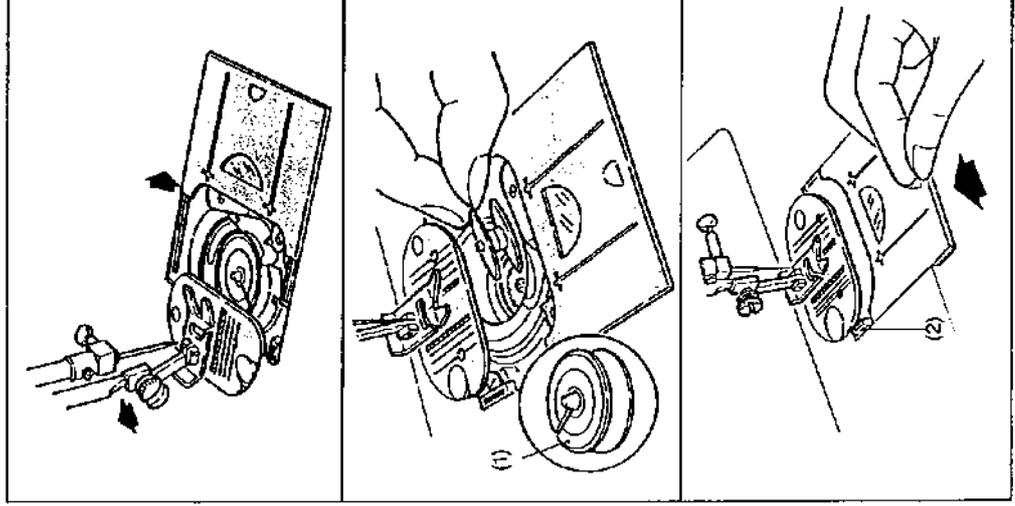


Snap threader up onto bar.

Slide threader as far to the left as it will go.  
Be sure guide (1) is against the left side of needle.

Bring metal hook of threader forward, through eye of needle.  
Guide thread into metal hook.

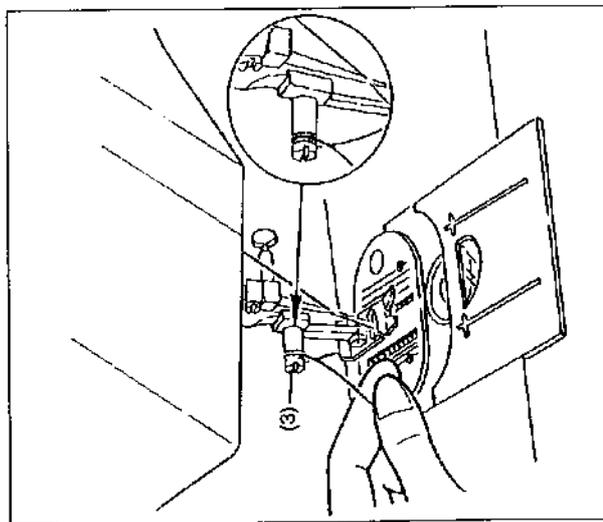
Draw metal hook and thread backwards.  
Slide threader to the right to remove.



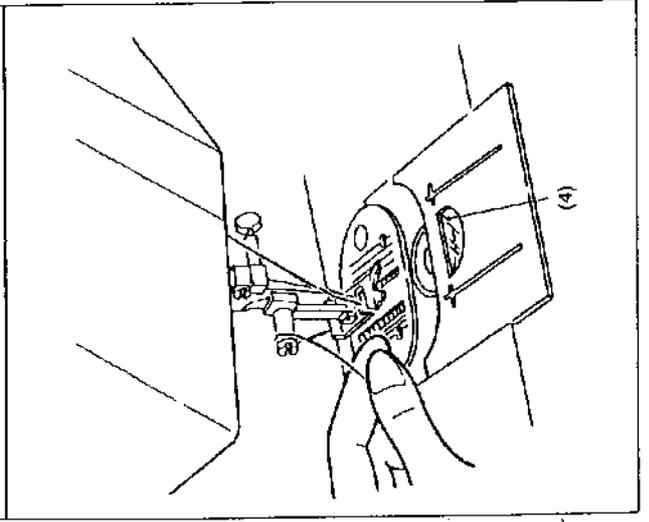
Move stitch width lever to straight stitch position (1).  
Open slide plate.

Put an empty bobbin, with rings (1) facing up, into bobbin case.

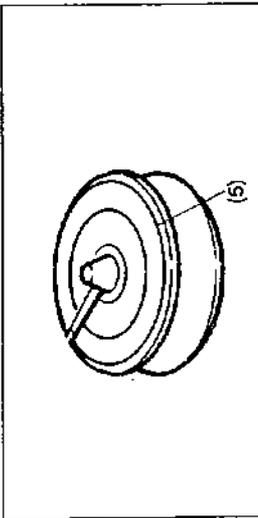
Close slide plate until it stops against button (2).



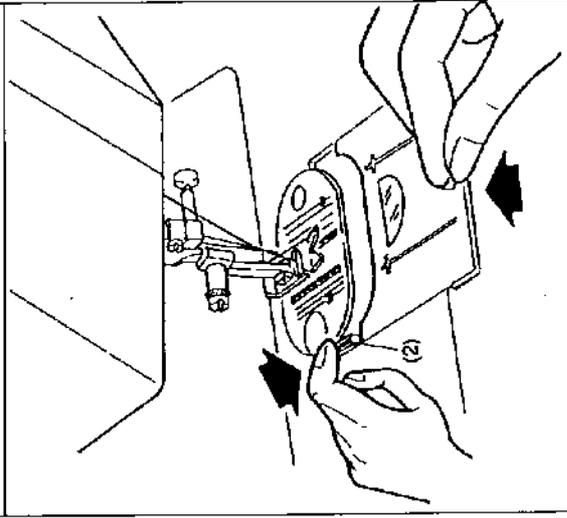
Bring needle thread under presser foot and wind it around presser foot screw (3) one time.



Hold thread and run machine. Watch bobbin winding from the window (4) in slide plate.



NOTE: Do not allow thread to wind beyond the outside ring (5).



Remove thread from presser foot screw.  
Push button (2) down to close slide plate.

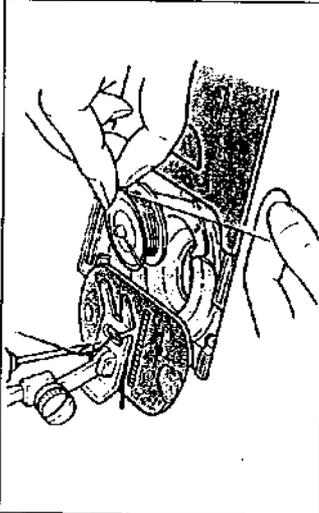


Cut thread.

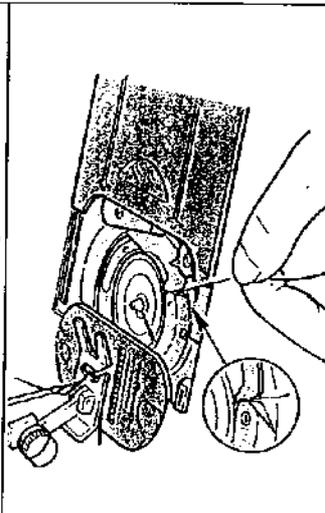
## INSERTING PREVIOUSLY WOUND BOBBIN



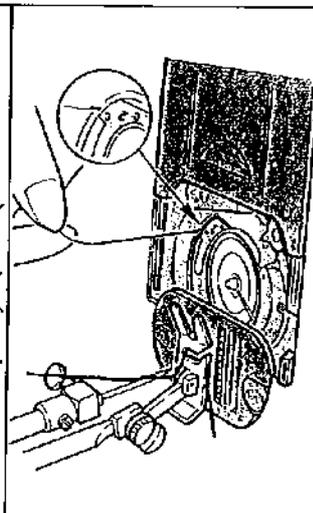
Open slide plate.  
Insert bobbin into bobbin case.



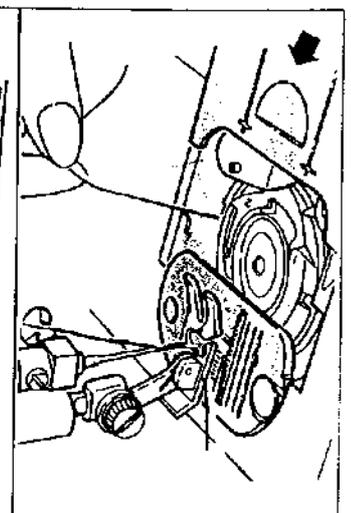
Guide thread into notch (1).



Bring thread around and past point (2).



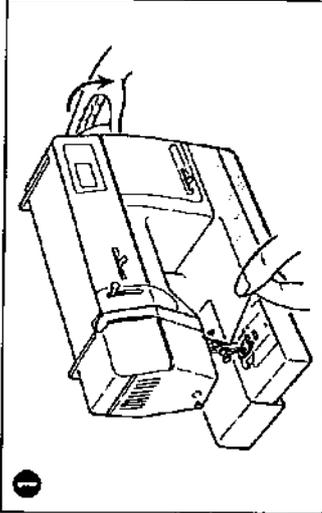
Hold thread and close slide plate.



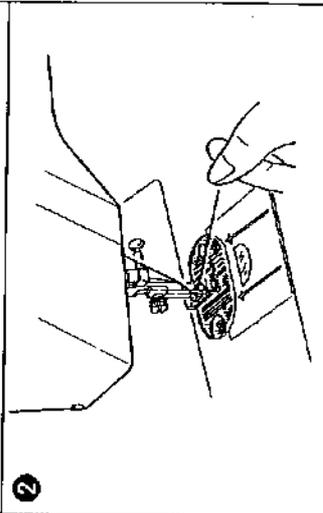
## RAISING BOBBIN THREAD



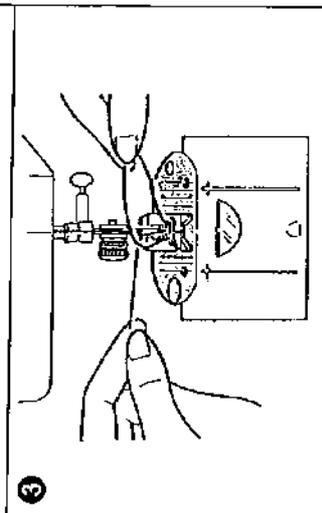
Hold needle thread.  
Turn hand wheel towards you lowering, then raising needle.



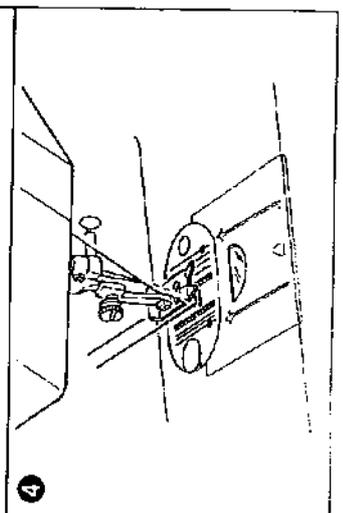
Gently pull needle thread to raise bobbin thread.



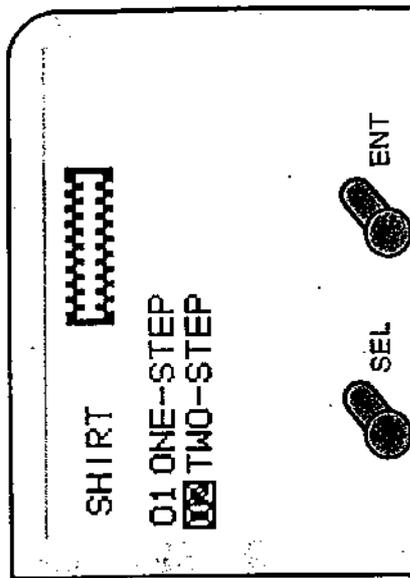
Open loop.



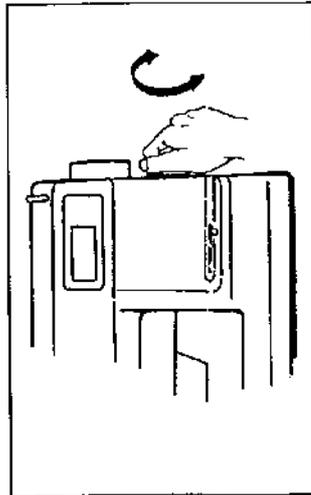
Pull both threads back.



## LIQUID CRYSTAL DISPLAY



## SELECTING A PATTERN



Turn pattern selector dial to select patterns.

Note: Power must be on to see pattern selected.

SCREEN (I)

Will illuminate first.

(if there are two or more sewing applications)

SHIRT

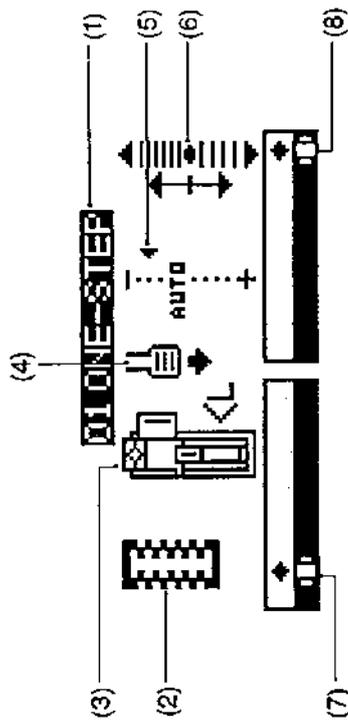
01 ONE-STEP

02 TWO-STEP

Push SEL button to select sewing application on screen (I).

Then push ENT button to enter into screen (II).

SCREEN (II)



(1) Sewing application or stitch name and sequence no.

(2) Pattern illustration.

(3) Presser foot.

(4) Buttonhole lever.

(5) Recommended thread tension setting.

(6) Advice that pattern requires balancing.

(7) Stitch width optimum setting and width position.

(8) Stitch length optimum setting and length position.

# SELECTING YOUR LANGUAGE

SCREEN III

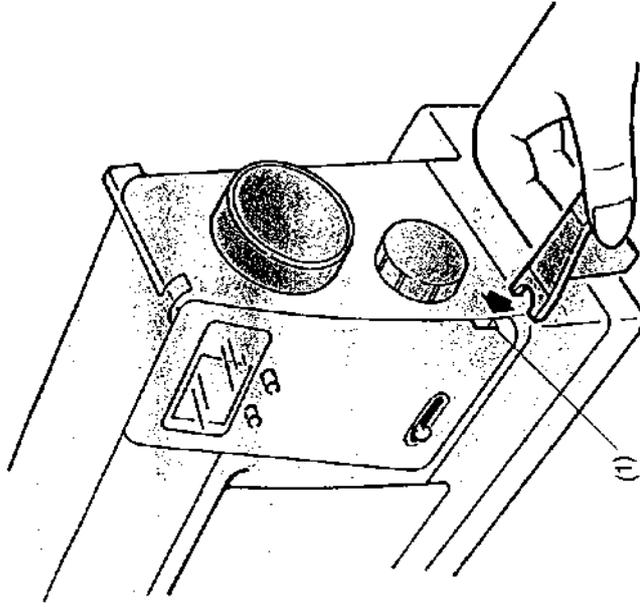
GETTING MORE INFORMATION

Push SEL button once or twice.



MAKE PRACTICE BUTTON-HOLE. MARK BUTTONHOLE POSITION ON FABRIC. INSERT BUTTON BETWEEN CLAMPS ON FOOT. MAKE SURE THE FOOT IS ALL THE WAY FORWARD<MORE>

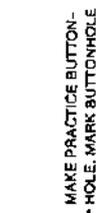
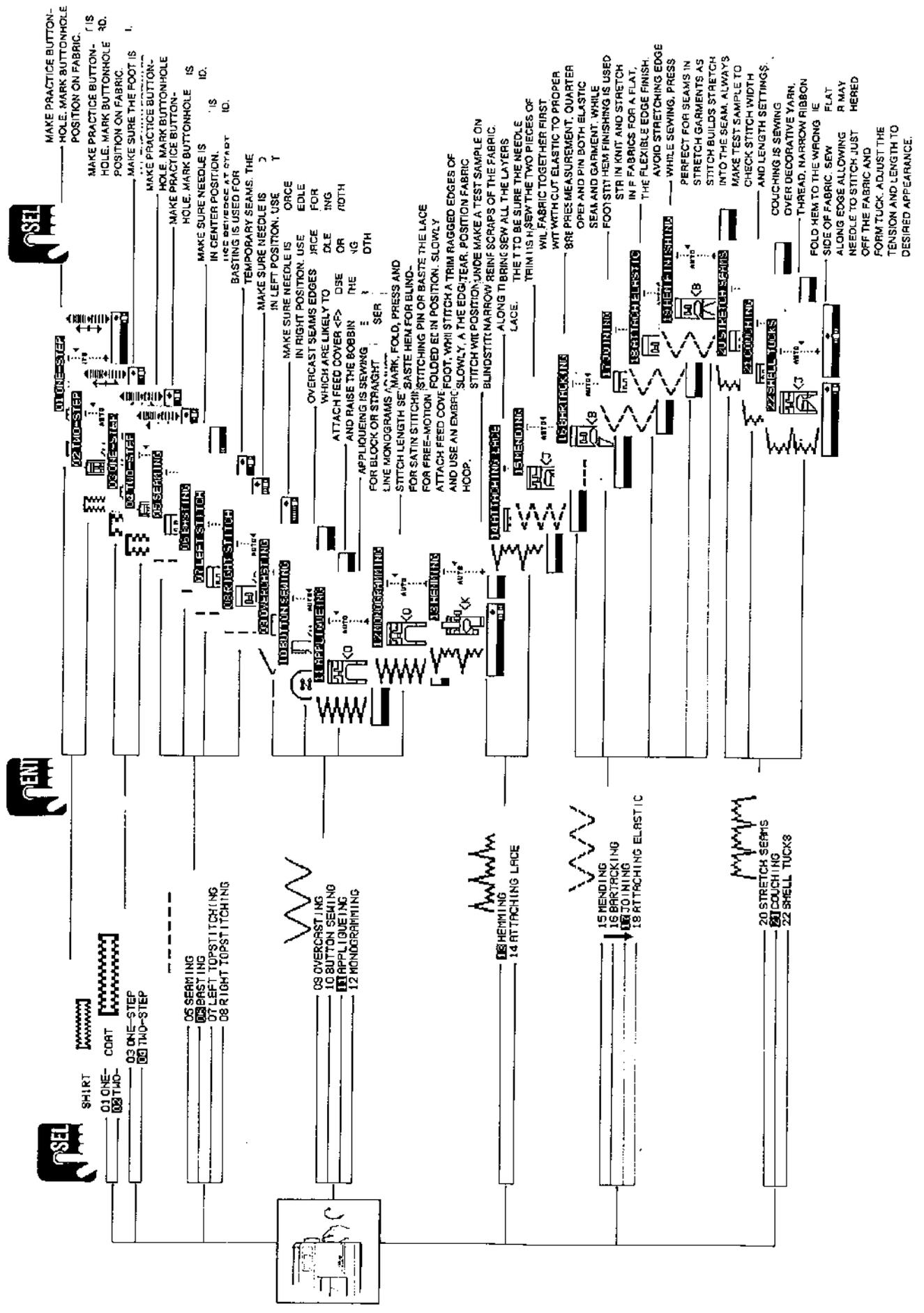
PULL LEVER DOWN.PRESS LEVER TOWARDS YOU.SEW ENTIRE BUTTONHOLE IN ONE OPERATION. ADJUST WIDTH AND BALANCE OF PRACTICE BUTTONHOLE, IF NECESSARY.



Use manual needle threader (P) to move language selector (1) to select your language.

LANGUAGE	LANGUAGE SELECTOR
English	up
French	Middle
Spanish	Down

# LCD INFORMATION SCREENS



MAKE PRACTICE BUTTON-HOLE. MARK BUTTONHOLE POSITION ON FABRIC.

MAKE SURE NEEDLE IS IN CENTER POSITION. USE REVERSE AT START ID.

TEMPORARY SEAMS. THE MAKE SURE NEEDLE IS IN LEFT POSITION. USE FORCE IN RIGHT POSITION. USE EDGE WHICH ARE LIKELY TO ATTACH FEED COVER AND RAISE THE BOBBIN AND RAISE THE BOBBIN APPLIQUE IS SEWING FOR BLOCK OR STRAIGHT LINE MONDGRAMS MARK, FOLD, PRESS AND STITCH LENGTH SEAM FOR SATIN STITCH. BASTE HEM FOR BLIND-FOOT. FOLD IN POSITION. SLOWLY ATTACH FEED COVER AND USE AN EMBROIDERY HOOP.

STITCH WITH POSITION. UNDER MAKE A TEST SAMPLE ON BLINDSTITCH NARROW REINFORCING SCRAP OF THE FABRIC. ALONG TO BRING SEW ALL THE LAYERS. THE T TO BE SURE THE NEEDLE TRIM IS IN SEW THE TWO PIECES OF WILL FABRIC TOGETHER FIRST WITH CUT ELASTIC TO PROPER SIZE PRESS MEASUREMENT. QUARTER SEAM AND GARMENT. WHILE FOOTSTITCH HEM FINISHING IS USED STR IN KNIT AND STRETCH THE FLEXIBLE EDGE FINISH. AVOID STRETCHING EDGE WHILE SEWING. PRESS PERFECT FOR SEAMS IN STRETCH GARMENTS AS STITCH BUILDS STRETCH INTO THE SEAM. ALWAYS MAKE TEST SAMPLE TO CHECK STITCH WIDTH AND LENGTH SETTINGS. COUCHING IS SEWING OVER DECORATIVE YARN, THREAD, NARROW RIBBON FOLD HEM TO THE WRONG SIDE OF FABRIC. SEW ALONG EDGE ALLOWING NEEDLE TO STITCH JUST OFF THE FABRIC AND FORM TUCK. ADJUST THE TENSION AND LENGTH TO DESIRED APPEARANCE.

PERFECT FOR SEAMS IN STRETCH GARMENTS AS STITCH BUILDS STRETCH INTO THE SEAM. ALWAYS MAKE TEST SAMPLE TO CHECK STITCH WIDTH AND LENGTH SETTINGS.

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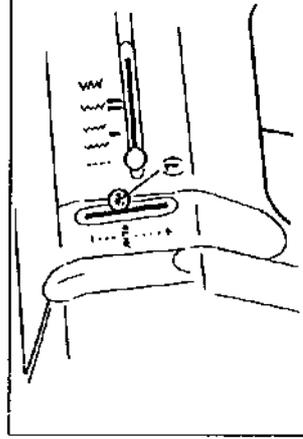
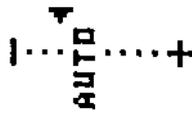
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PERFECT FOR SEAMS IN STRETCH GARMENTS AS STITCH BUILDS STRETCH INTO THE SEAM. ALWAYS MAKE TEST SAMPLE TO CHECK STITCH WIDTH AND LENGTH SETTINGS.

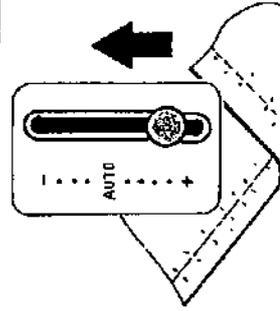


## ADJUSTING THREAD TENSION

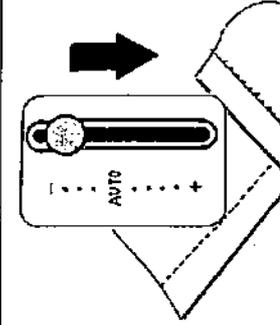


Recommended thread tension position appears on LCD.

Move lever (1) up or down to adjust thread tension.

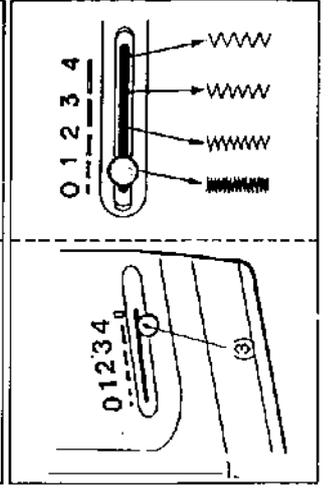
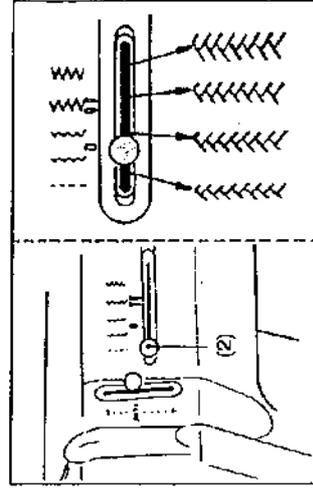
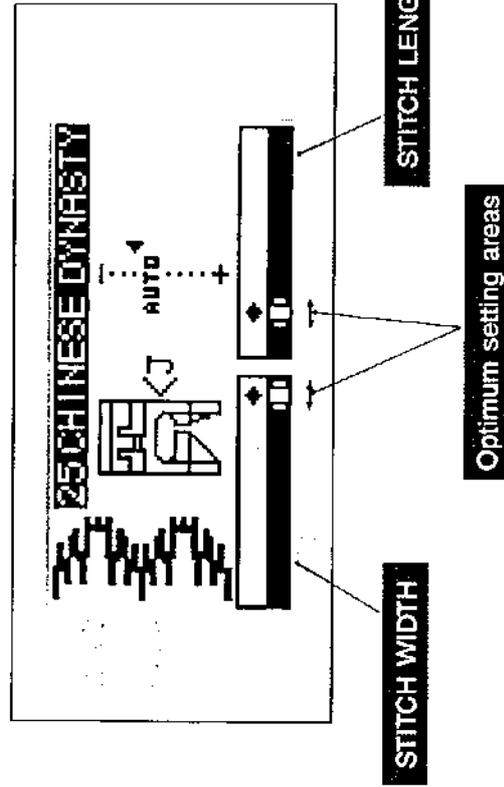


Too much tension -  
Move lever up.



Too little tension -  
Move lever down.

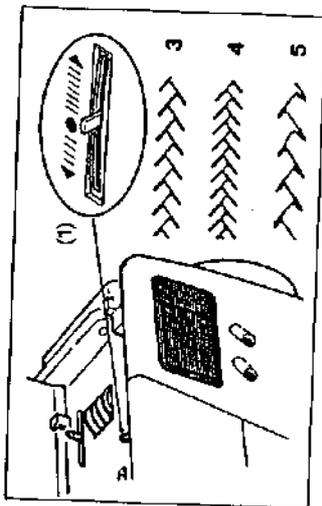
## ADJUSTING STITCH WIDTH AND LENGTH



Move lever (2) to widen or narrow stitch.  
When using twin-needle do not set width wider than twin-needle graphics.

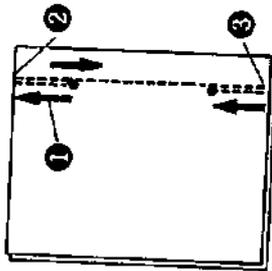
For more density (shorten stitch) move lever (3) to left.  
For less density (longer stitch) move lever (3) to right.

## BALANCING A PATTERN

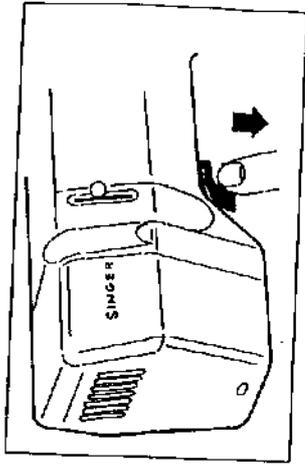


When stitches are too close (4) —  
move lever (1) to the left.  
When stitches are too far apart (5) —  
move lever (1) to the right.

## STITCHING IN REVERSE

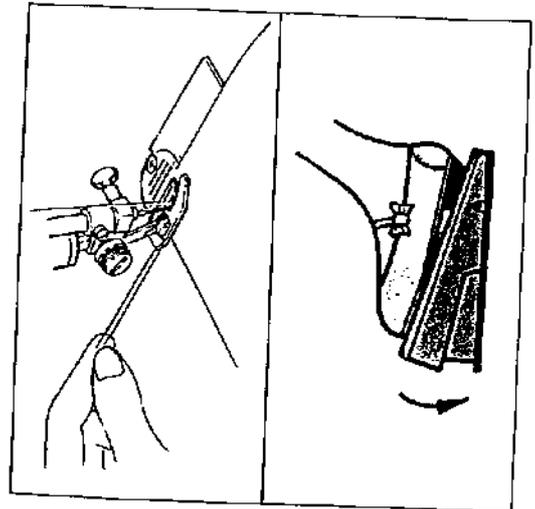
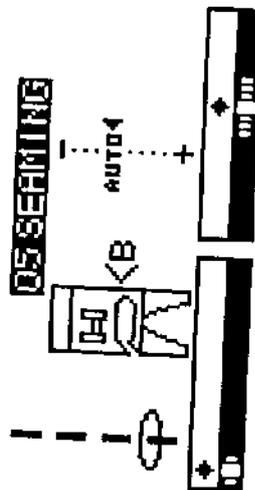


Secure beginning and end of  
seam as shown



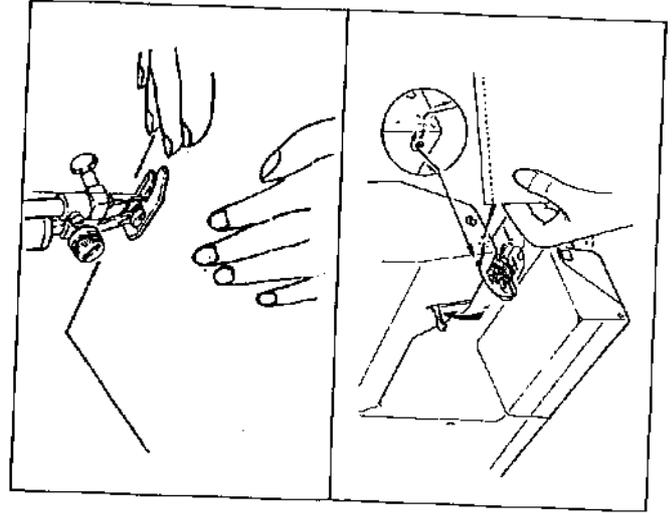
Press reverse lever for steps 1 and 3.

## STRAIGHT STITCH



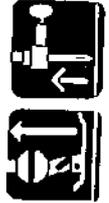
Place fabric under presser foot  
and lower foot.

Begin sewing



Guide fabric.

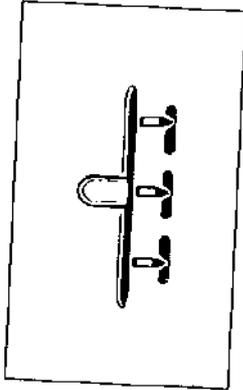
At end of seam



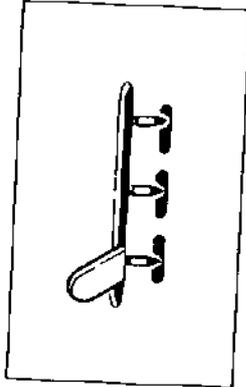
Cut thread.  
Remove fabric.

## ADJUSTING NEEDLE POSITION

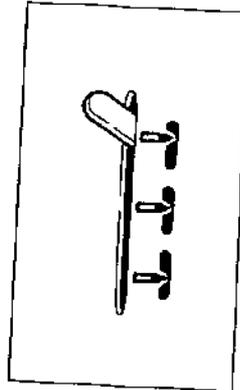
Note: needle position only works with straight stitch pattern. (---)



Center needle position.



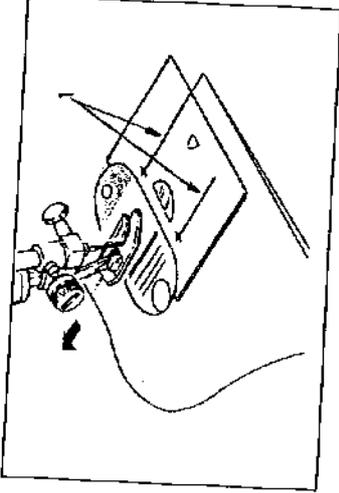
Left needle position.  
Use stitch width lever to position needle from center to full left position.



Right needle position.  
Use stitch width lever to position needle from center to full right position.

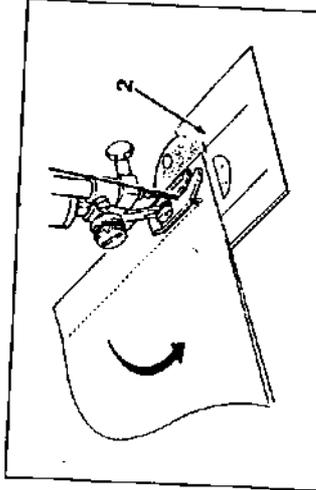
**CAUTION:** Sew only in center needle position when using straight stitch foot and needle plate.

## KEEPING SEAMS STRAIGHT

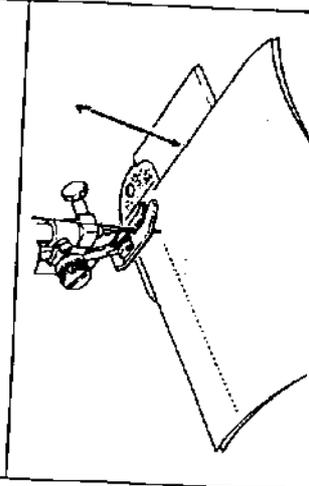


Line up fabric with guideline (1).

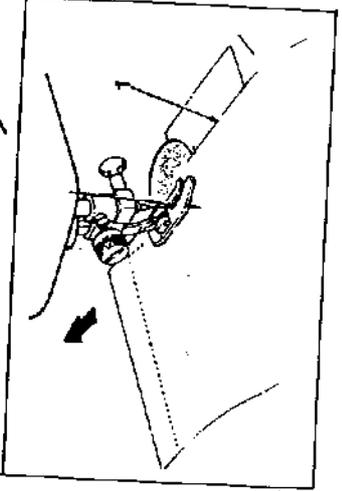
## TURNING SQUARE CORNERS



When bottom of fabric reaches crosslines (2), stop stitching. Lower needle into fabric.

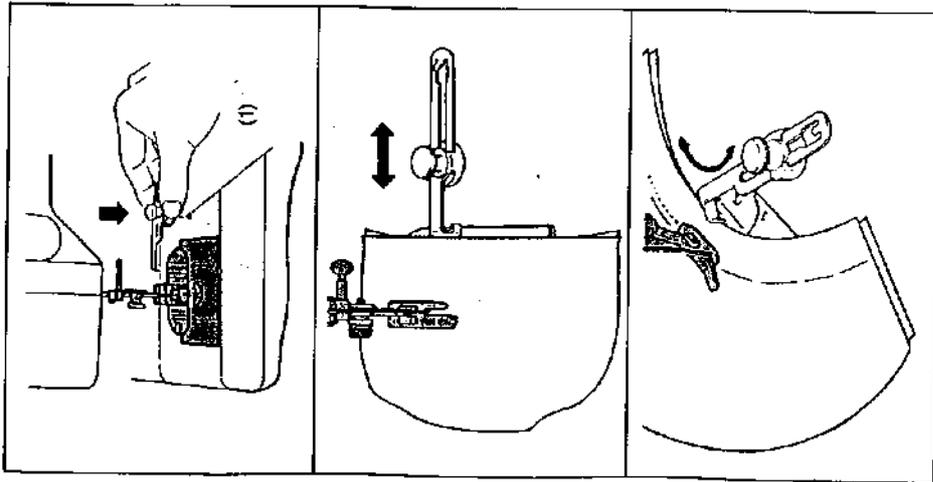


Turn fabric, bringing bottom edge in line with guideline (1).



Continue stitching seam.

**USING SEAM GUIDE**

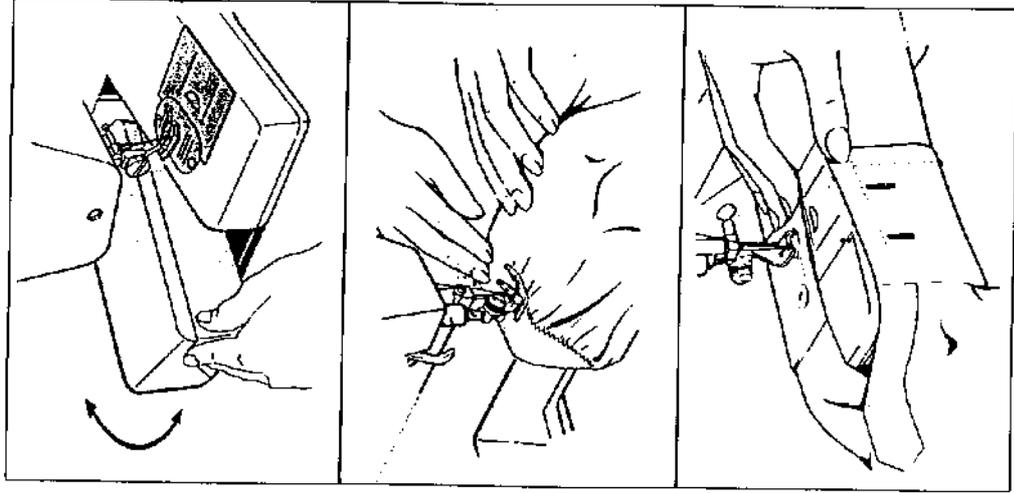


To attach seam guide, place screw of guide into hole (1).

Position guide for desired seam allowance.  
Hand tighten screw.

To sew curved seams, attach seam guide at an angle.

**FREE ARM SEWING**

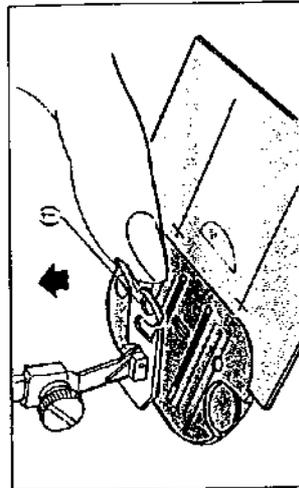


Swing accessory box to back of machine or remove by lifting.

Topstitch edges on sleeves or finish waistband and pants legs.

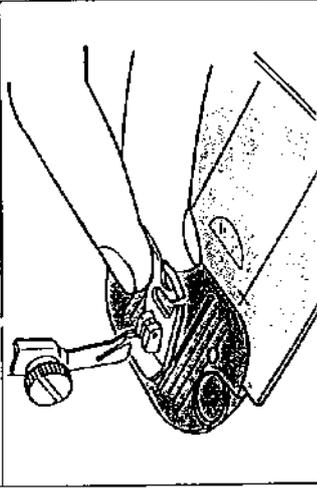
Attach buttons without stretching cuffs and neckbands.

## CHANGING PRESSER FEET

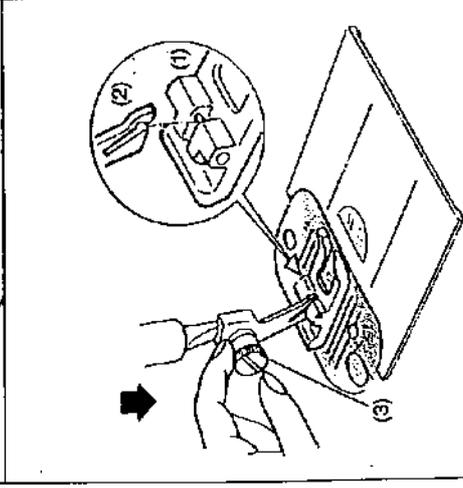


TO REMOVE-

Lift toe of presser foot (1) up, until it snaps off shank (2).



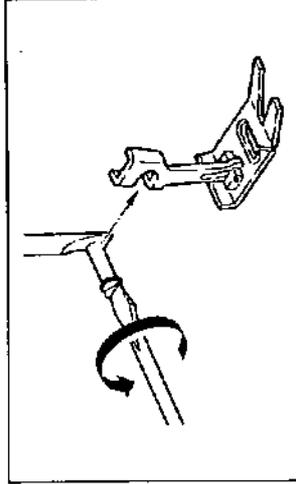
Take foot off machine.



TO REPLACE-

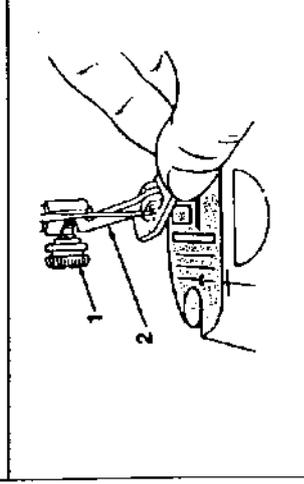
Center new presser foot (1) under shank (2).  
Lower presser foot lifter.  
Press screw (3) down.

## REPLACING PRESSER FOOT WITH SHANK



TO REMOVE-

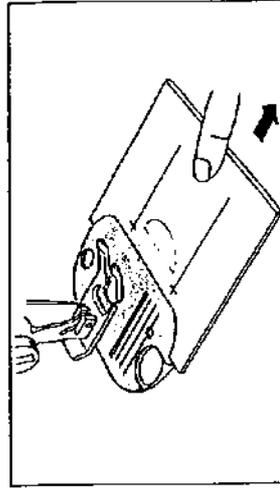
Loosen presser foot screw and remove foot.



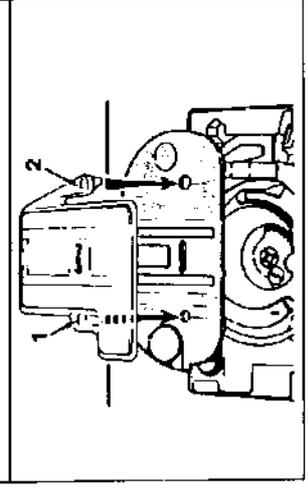
TO REPLACE-

Hook new foot around presser bar.  
Tighten screw.

## ATTACHING FEED COVER

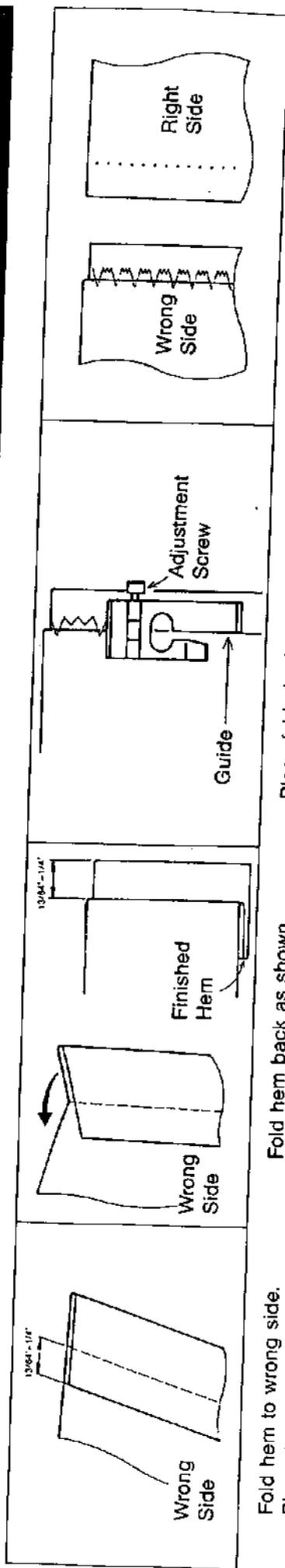


Open slide plate.



Press tab (1) and (2) into holes on needle plate.  
Close slide plate.

## BLINDSTITCHING



Fold hem to wrong side.  
Pin or baste in place.

Fold hem back as shown.

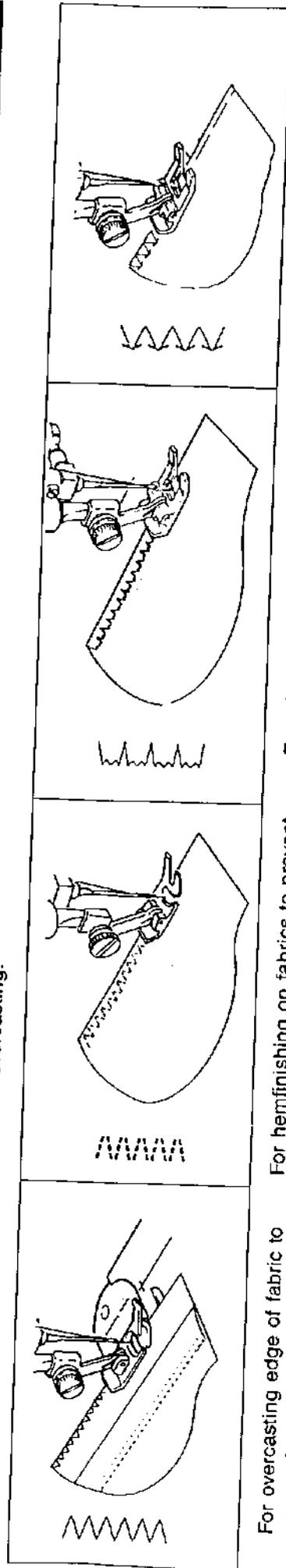
Place folded edge against presser  
foot guide.

Sew, allowing wide stitches to  
enter edge of fold.  
Adjust foot if necessary.

Turn fabric to right side and press.

## OVEREDGING AND SEAMING

There are four stitch patterns that can be used for overcasting.



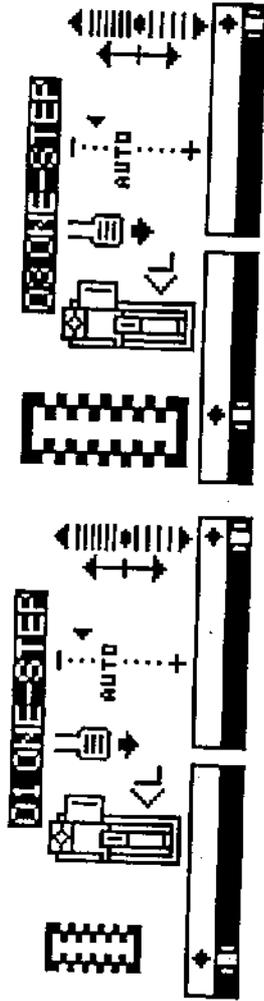
For overcasting edge of fabric to  
prevent fraying.

For hemfinishing on fabrics to prevent  
rolling.  
Use with stretchy material which tends  
to fray or roll.

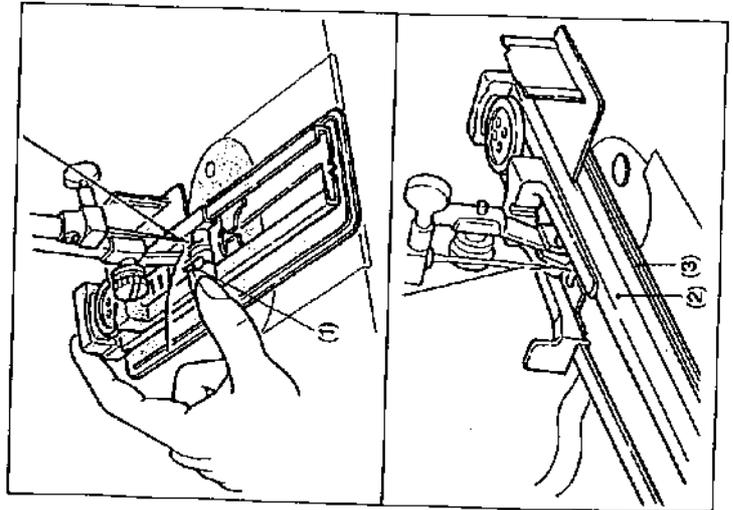
For stitching and finishing seams  
in light weight fabrics.  
For overcasting edge of fabric to  
prevent fraying.

For stitching and finishing seams  
in heavyweight fabrics.

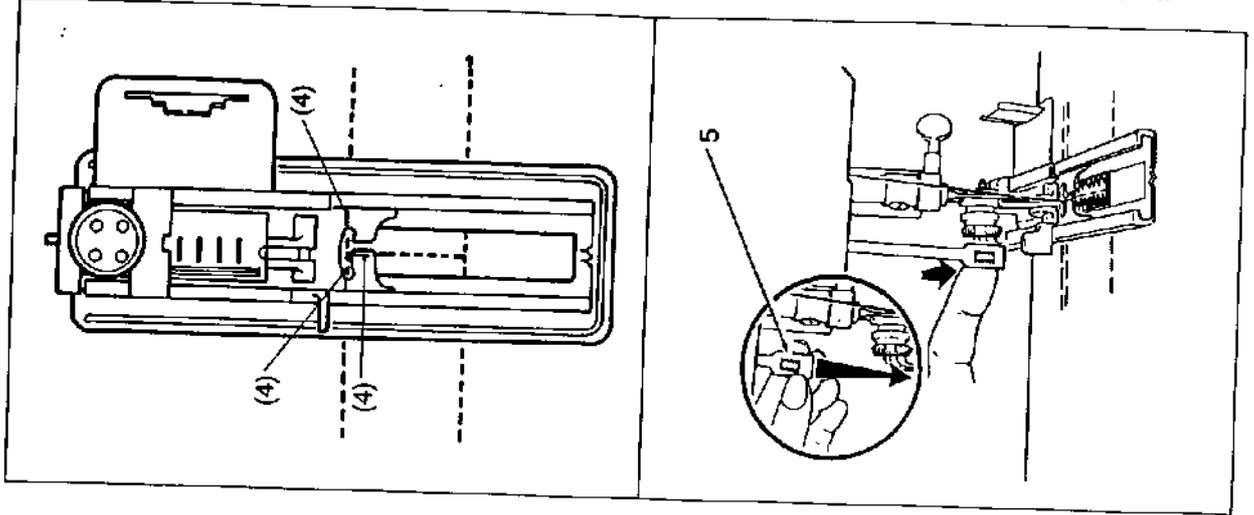
# ONE-STEP BUTTONHOLING



Place button on the carrier.  
Slide clamp (1) back to hold button.



Draw both threads between upper  
(2) and lower (3) plates to the  
back.



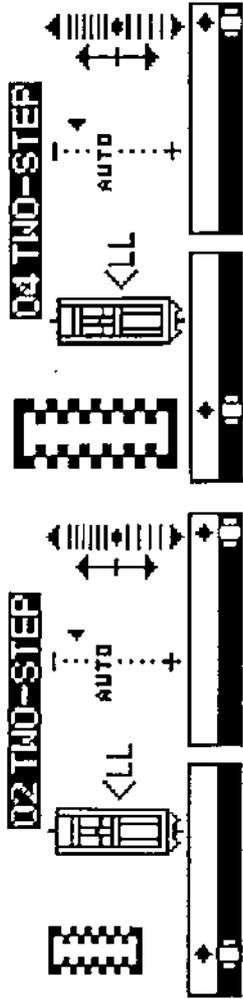
Place fabric between the plates.  
Center 3 red guidelines (4) around  
beginning line of buttonhole.

Pull buttonhole lever (5) down and  
press it toward you.



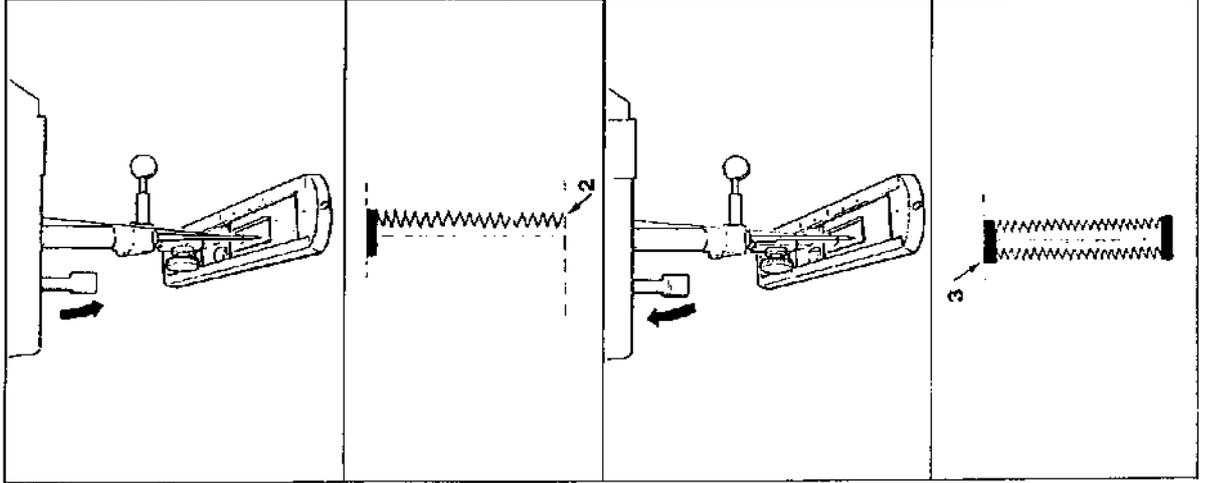
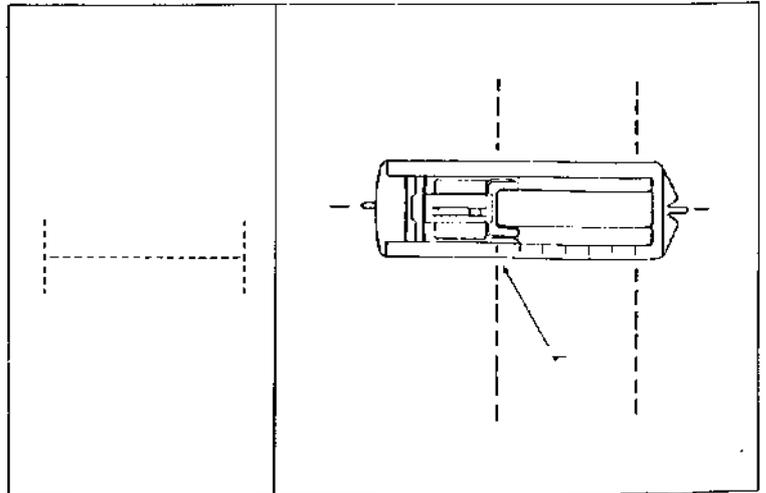
The entire buttonhole will be  
stitched in one operation.

# TWO-STEP BUTTONHOLING



Mark buttonhole length on garment.

Pull sliding portion of foot forward.  
Center red guideline (1) of foot on beginning line of buttonhole.



Press buttonhole lever toward you.



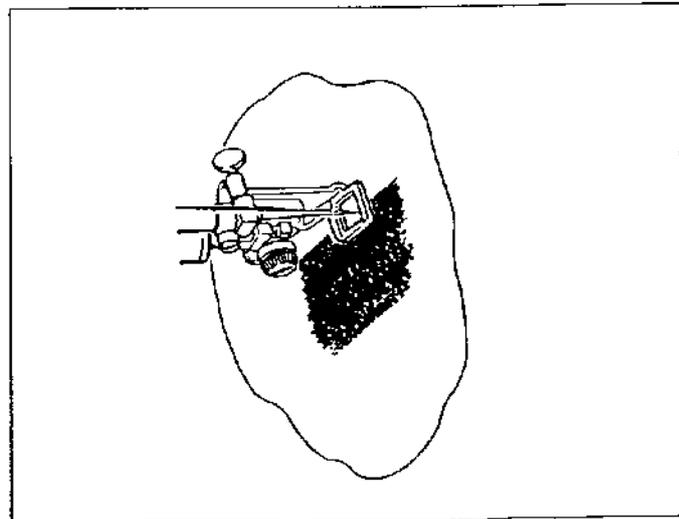
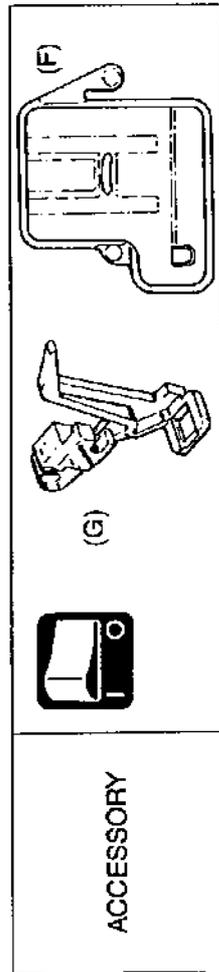
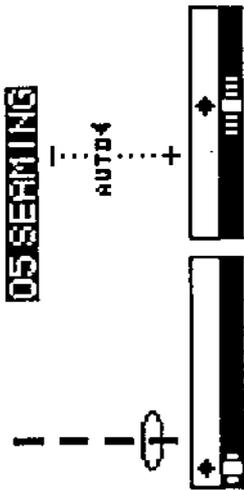
Stitch down to point (2).

Press buttonhole lever away from you.



Sew until stitching begins overlapping starting stitches at point (3).

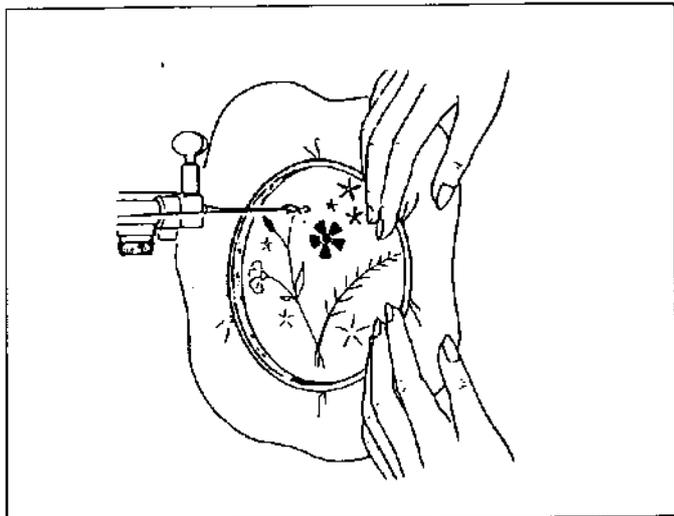
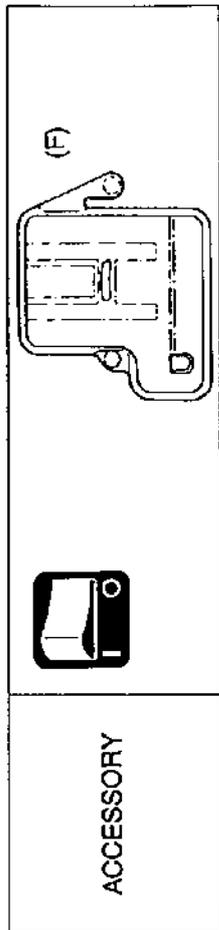
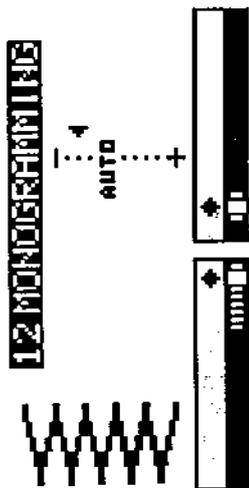
## DARNING



Place area to be darned, right side up, under presser foot.

Stitch, guiding fabric back and forth, until entire area is filled in.

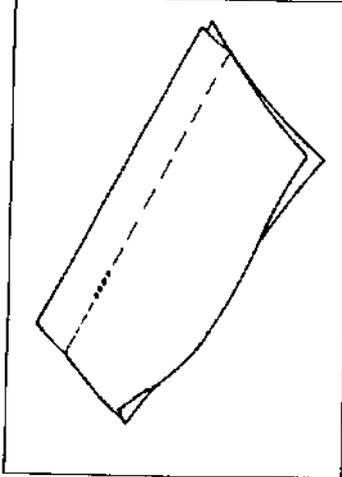
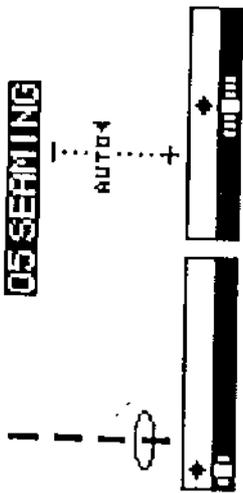
## FREE MOTION EMBROIDERY



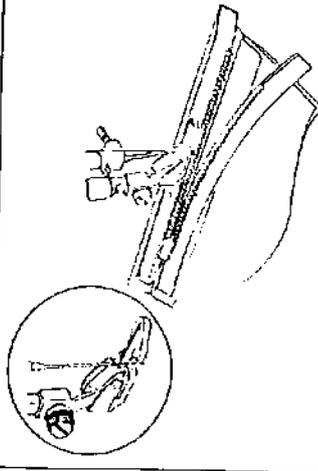
Remove foot with shank.  
Control fabric with embroidery hoop. (hoop not included)

Lower presser foot lifter.  
Lengthen or shorten stitches by moving hoop faster or slower.

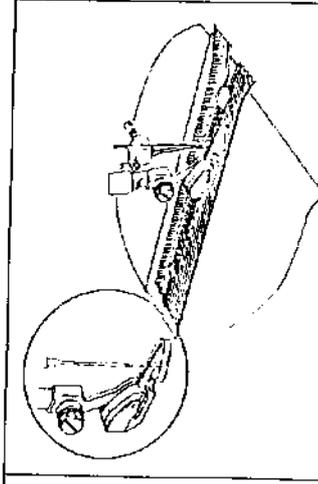
**05 SEAMING**



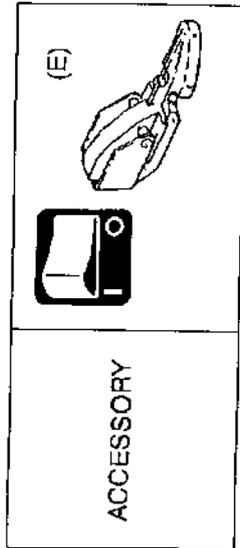
Baste zipper opening.



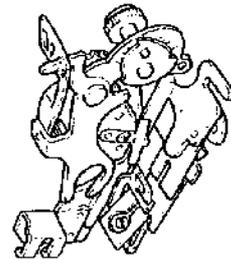
Attach left side of foot to shank.  
Stitch zipper to seam allowance.



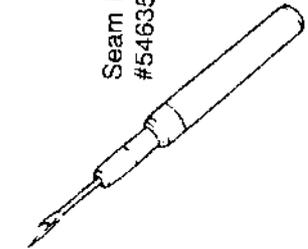
Attach right side of foot to shank.  
Stitch zipper to seam allowance.



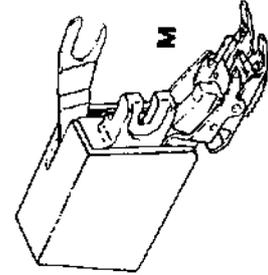
**OPTIONAL ACCESSORIES NOT INCLUDED**



Ruffler  
#161561



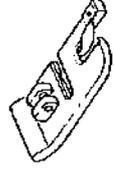
Seam Ripper  
#546357



Even feed foot  
#421333



Flat hemmer  
presser foot  
#137597

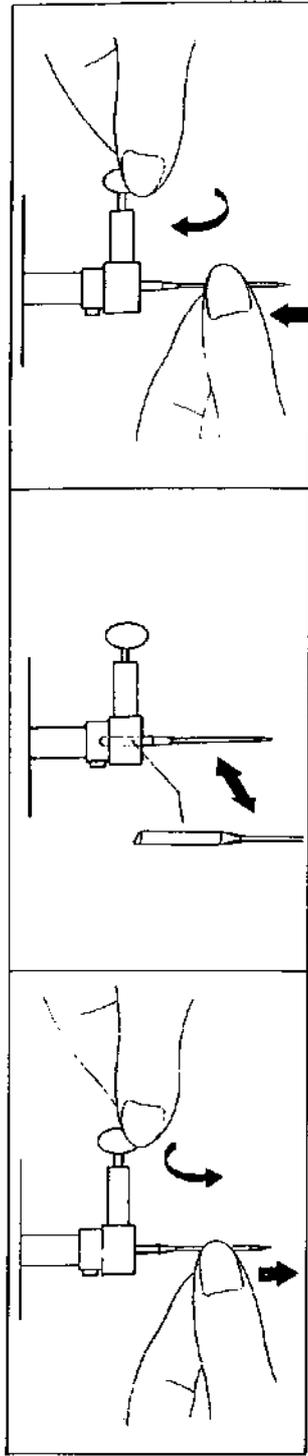


Round hemmer  
presser foot  
#317450

# CHANGING NEEDLE



**IMPORTANT:**  
For best sewing results, use only Singer® needles.



Loosen screw and remove needle.

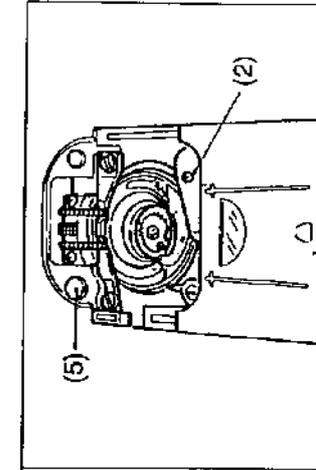
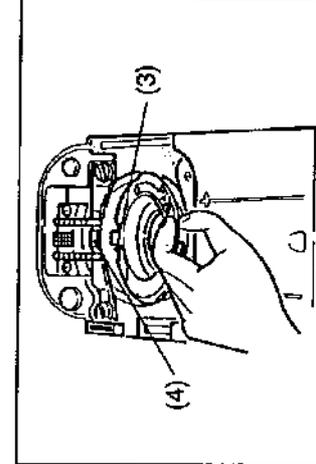
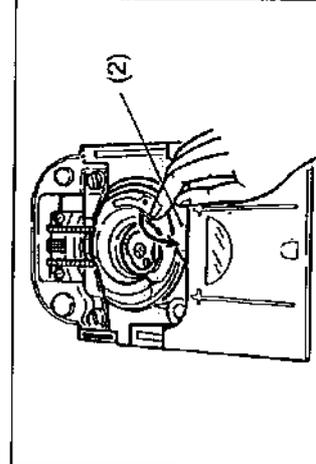
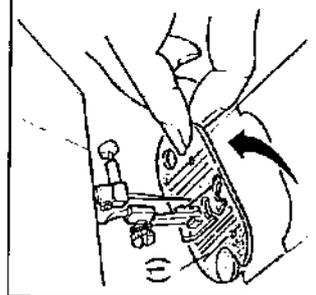
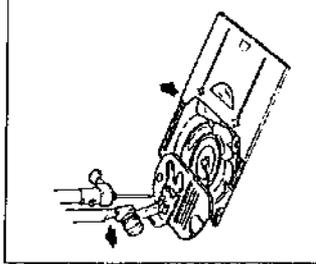
Insert needle with flat away from you.

Tighten screw.

## FABRIC, THREAD AND NEEDLE TABLE

Fabric	Thread	Needles
The fabrics below can be of any fiber, cotton, linen, silk wool, synthetic, rayon, blends. They are listed as examples of weight.		Failure to use a Singer brand needle may result in skipped stitches, poor sewing performance or damage to your machine.
Very Lightweight-Batiste, Chiffon, Organza, Voile.	Cotton-Wrapped polyester core (extra fine) Long fiber polyester (extra fine)	TYPE 2020 SIZE 9/70 OR 11/80
Lightweight-Challis, Chambray, Carmeuse, Crepe de Chine, Gauze, Handkerchief Linen, Silk, Taffeta, Tissue faille.	Cotton-Wrapped polyester core (all purpose) Long fiber polyester (two spun)	2020 11/80
Medium-weight-Broadcloth, Brocade, Chino, Chintz, Corduroy Flannel, Linen, Poplin, Satin, Synthetic, Suedes, Taffeta, Terry, Velvet.	Cotton-wrapped polyester core (all purpose) Long fiber polyester (two spun)	2020 14/90
Medium to Heavy-weight - Coating, Damask, Denim, Drapery Fabric, Fake Fur, Gabardine, Ticking, Woolens.	Cotton-wrapped polyester core (all purpose) Long fiber polyester (two spun)	2020 16/100
Heavy-weight - Canvas, Duck, Sailcloth, Upholstery Fabric.	Cotton-wrapped polyester (all purpose) Long fiber polyester (two spun)	2020 18/110
Leather		2032 leather
Knits - Jersey, Tricot single Knit.	Cotton-wrapped polyester core (all purpose) Long fiber polyester (two spun)	2045 11/80
Sweatshirt - Double Knit, Swimwear, Sweater Knit.	Cotton-wrapped polyester core (all purpose) Long fiber polyester (two spun)	2045 14/90
Twin-needle		2025 14/90

# REMOVING AND REPLACING BOBBIN CASE



TO REMOVE BOBBIN CASE

TO REPLACE BOBBIN CASE

Return lever (2) to locking position over top of bobbin case.

Open slide plate and remove bobbin.  
Lift needle plate (1) by right corner.

Push lever (2) toward you until it stops, and hold in this position.

Push lever (2) toward you.

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

Lift bobbin case up and guide it out toward you, as shown.

Guide bobbin case into place, making sure block (3) is under metal bracket (4).

To replace needle plate, slide it under pin (5) and push it to the left.

# PERFORMANCE CHECKLIST

PROBLEM	CAUSE
Needle does not move	<ul style="list-style-type: none"> <li>Is machine connected to electrical supply?</li> <li>Is power and light switch on?</li> <li>Is controller connected?</li> <li>Is air supply from controller clear?</li> </ul>
Needle moves but stitch is not formed	<ul style="list-style-type: none"> <li>Is needle defective?</li> <li>Is needle fully inserted into needle clamp?</li> <li>Are bobbin and needle correctly threaded?</li> <li>Is bobbin correctly inserted into bobbin case?</li> </ul>
Needle breaks	<ul style="list-style-type: none"> <li>Is needle straight and sharp?</li> <li>Is needle correct size?</li> <li>Is needle fully inserted into needle clamp?</li> <li>Are controls properly set?</li> <li>Are accessories correct for application?</li> </ul>
Bobbin winding difficulties	<ul style="list-style-type: none"> <li>Is thread unwinding freely from spool?</li> <li>Is slide plate in proper position?</li> <li>Is thread end securely held at start of wind?</li> </ul>
Upper thread breaks	<ul style="list-style-type: none"> <li>Is machine properly threaded?</li> <li>Is thread freely unwinding from spool?</li> <li>Is proper size spool cap being used?</li> <li>Is needle correct size for thread?</li> <li>Is upper thread tension too tight?</li> <li>Is bobbin case properly inserted?</li> <li>Is bobbin rim free of nicks?</li> </ul>

PROBLEM	CAUSE
Lower thread breaks	<ul style="list-style-type: none"> <li>Is bobbin correctly wound?</li> <li>Is bobbin correctly inserted in bobbin case?</li> <li>Is bobbin case correctly threaded?</li> </ul>
Skipped stitches	<ul style="list-style-type: none"> <li>Is machine properly threaded?</li> <li>Is fabric firmly held down?</li> <li>Is needle correct style and size?</li> <li>Is needle straight and sharp?</li> </ul>
Fabric does not move properly under presser foot	<ul style="list-style-type: none"> <li>Is presser foot correctly attached to machine?</li> <li>Is presser foot lowered?</li> <li>Is stitch length correctly set?</li> </ul>
Needle Threader Does Not Thread	<ul style="list-style-type: none"> <li>Is needle in the highest position?</li> <li>Is needle fully inserted into needle clamp?</li> </ul>

FOR BEST PERFORMANCE, PURCHASE ONLY GENUINE SINGER ACCESSORIES AND REPLACEMENT PARTS.

## REMOVING AND REPLACING LIGHT BULB



Loosen screw and face plate.  
(Screwdriver not included)

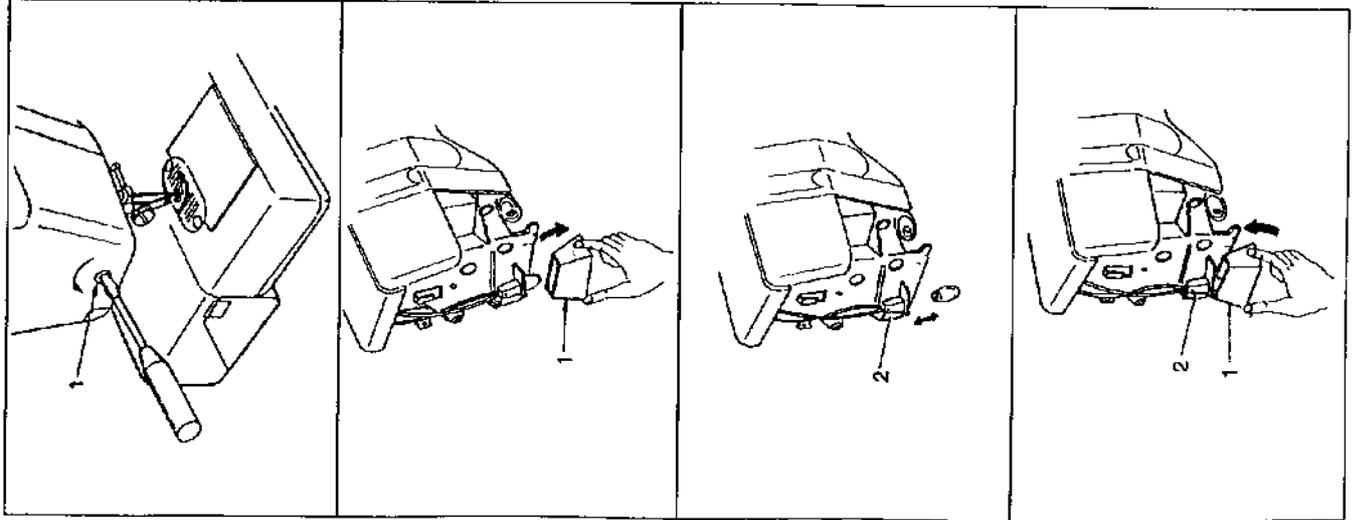
### TO REMOVE

Pull down light reflector (1).  
Pull bulb down.

### TO REPLACE

Push new bulb into light socket (2).  
(Use only a 5 watts 12 volts light  
bulb part:#979603)

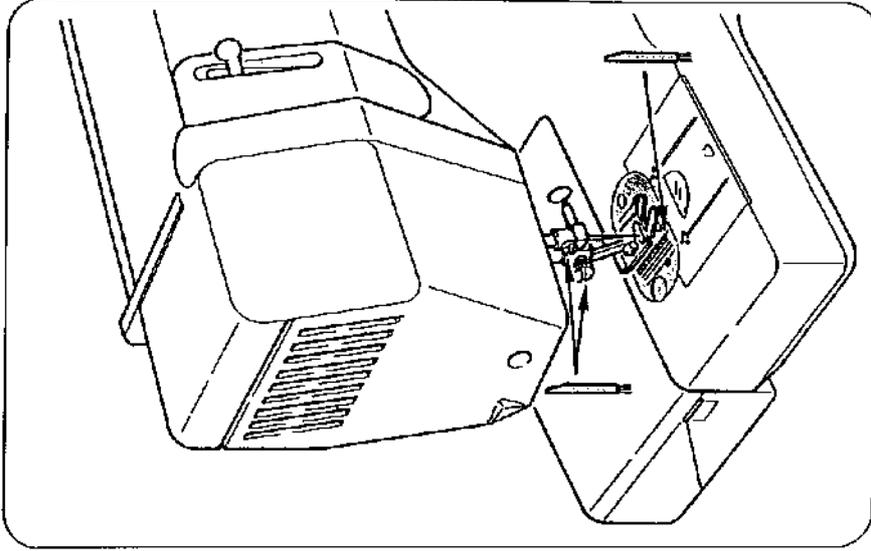
Push light reflector (1) into place.  
Make sure the small end of light  
reflector is aligned with the small  
end of light socket (2).



## CLEANING MACHINE



Using lint brush, remove lint or  
dust from:  
-presser bar  
-needle bar  
-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 lint  
brush.  
-bobbin case (if there is a lot of lint  
in this area, remove bobbin case  
for cleaning)

