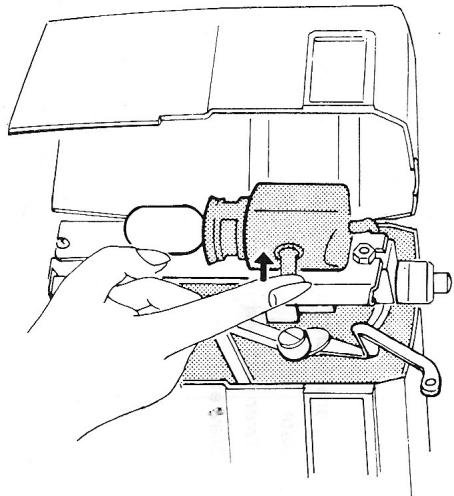


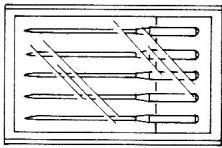
SEWING LIGHT



The on and off push button type sewing light switch is on the light socket. The light socket is inside face plate. To replace the bulb open face plate and turn bulb out of socket.

CAUTION: Before attempting to change the bulb, remove the electrical cord from the wall outlet.

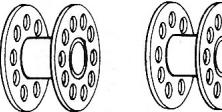
ACCESSORIES



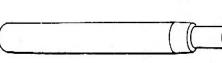
Needles



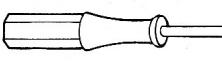
Felt washers



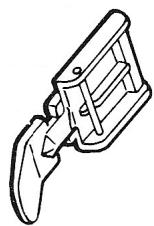
Bobbins



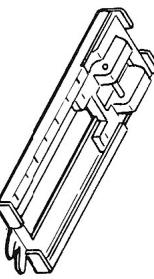
Seam ripper



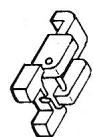
Screwdriver



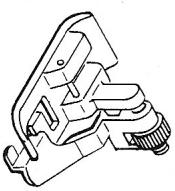
Zipper foot



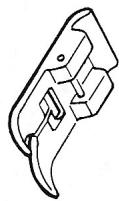
Buttonhole foot



Button sewing foot



Blind stitch foot



Regular foot
This foot is attached on the machine.

MODEL 535 FA

EXTENSION PLATE

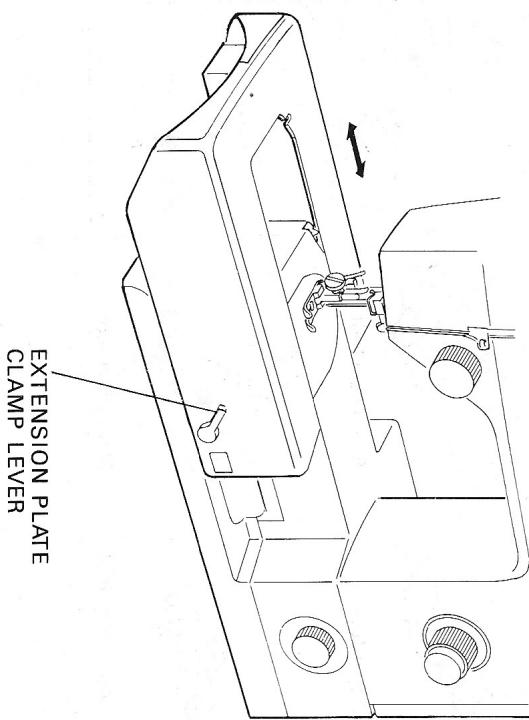
♦FOR FREE ARM SEWING

1. Set extension plate clamp lever to "FREE".
2. Remove the extension plate by sliding it to the left while slightly lifting the left side up.

♦FOR FLAT BED SEWING

1. Set the extension plate clamp lever to "FREE".
2. Attach the extension plate by sliding it into the tubular bed.
3. Turn the extension plate clamp lever to "LOCK" and the extension plate will be fixed to the machine.

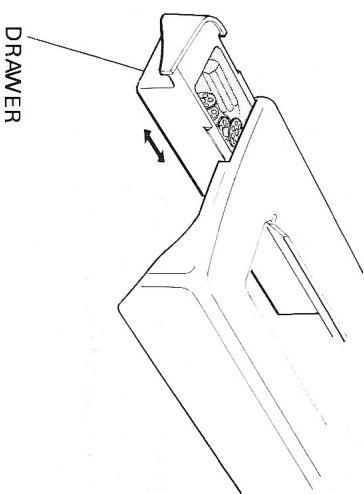
Free arm sewing machine is very convenient for sewing sleeves, trousers and/or similar places that are difficult to sew on an ordinary flat bed machine.



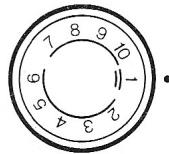
♦DRAWER

The accessories are found in the drawer located at rear side of extension plate.

Be sure the drawer is fitted properly into the rail guides when replacing the drawer.

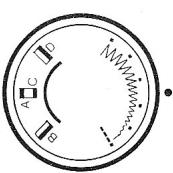


PATTERN SELECTOR KNOB



The pattern chart on the front of the machine shows the stitches your machine is capable of making automatically. The setting of the pattern selector knob determines which one your machine will make.

STITCH WIDTH/BUTTONHOLER KNOB



The Stitch width/Buttonholer knob has two uses.

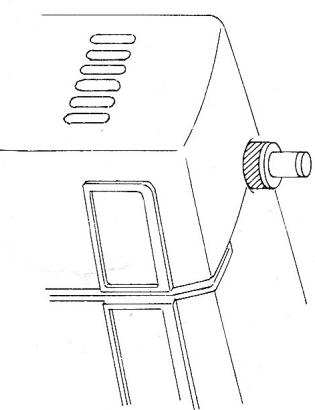
1. Limiting the width of the stitches.

For straight sewing, set the Stitch width/Buttonholer knob at "1". As you turn the knob to the right the machine will sew wider zigzag stitches.

2. Buttonhole sewing.

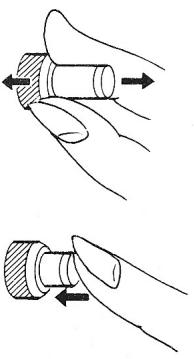
Refer to page 21 for buttonhole sewing.

PRESSURE REGULATOR

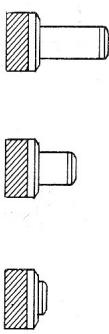


Pressure on the presser foot can be adjusted for different weight of fabric. The heavier the fabric, the heavier the pressure; the lighter the fabric, the lighter the pressure.

To release the pressure completely, press down the outer ring and the center bar will pop up. Then push down the bar to the position where correct pressure is obtained.



Do not adjust Pattern selector or Stitch width/Buttonholer knob with needle in fabric. Turn hand wheel until needle is clear of fabric before making adjustment in settings.



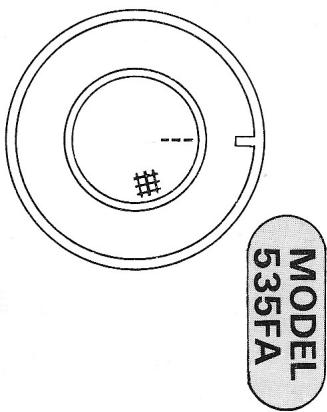
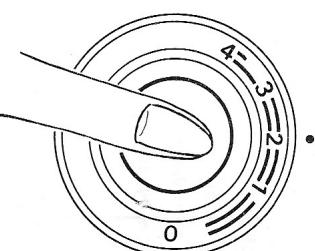
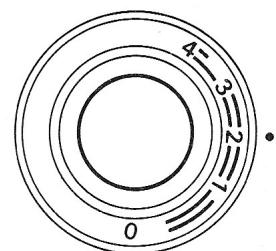
COLOR CODED GUIDE

STITCH LENGTH KNOB

REVERSE STITCH BUTTON

DROP-FEED KNOB

The color coded guide on this machine will help you set the dials. You merely match the color on knobs with the colors on pattern chart. For example, when you sew the blind hem stitch (No. 10) set the pattern selector knob at "10" which is a blue color pattern. Then set the stitch length knob within the blue line and buttonholer/stitch width knob to a desired position within the zigzag markings.



**MODEL
534FB**

**MODEL
535FA**

This knob controls the length of the stitches. For shortest stitch, turn knob to green colored line between 1 and 0.

To sew in reverse as for tacking ends of seams, press button in center of stitch length knob and hold. Machine will feed fabric in reverse as long as button is held in all the way.

- 0 Does not feed fabric
- 1 For buttonhole sewing or satin stitches
- 2 -----
- 3 -----
- 4 -----

The Drop-Feed knob controls the fabric feed dogs.

FOR ORDINARY SEWING, turn knob to "—" FOR DARNING or whenever fabric is to be moved by hand, turn knob to "#".

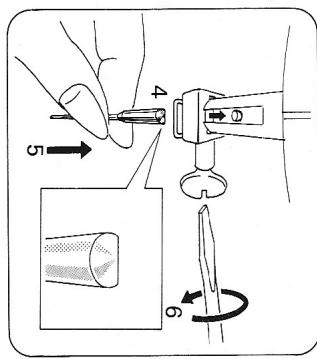
SELECTING NEEDLE

Size and Grades of Needles		Type of Fabric and Work to be Done
US size 15 x 1	European 705	
# 10	# 70	Delicate fabrics like georgette, chiffon, batiste, fine lace, linen and other sheer fabrics. For fine lingerie, infants' clothes and fine lace work.
# 12	# 80	Medium light-weight and summer-time fabrics, for house dresses, washable cotton dresses, aprons, curtains, children's dresses.
# 14	# 90	Dress silks and cottons, light weight woolens, draperies, fabric furnishings. For general household sewing, men's fine shirts, smocks and fabric decoration. Heavy cretonne, madras, muslin, brocades, and quilts. For men's work shirts, and fabric furnishings.
# 18	# 110	Heavy woven coating, light weight canvas, bed ticking, upholstery and awning material, slip covers. Heavy woven suiting, coating, duck ticking, drilling, canvas and sacking.
# 20	# 120	For bags, canvas, coarse clothes and heavy goods.

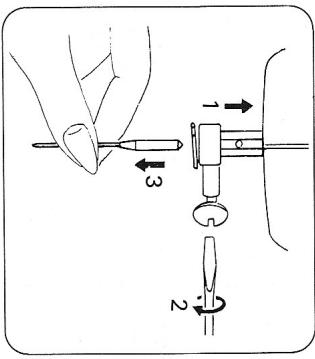
The knit needle (with blue shank) is designed especially for sewing synthetic woven stretch and knit fabrics.

SETTING THE NEEDLE

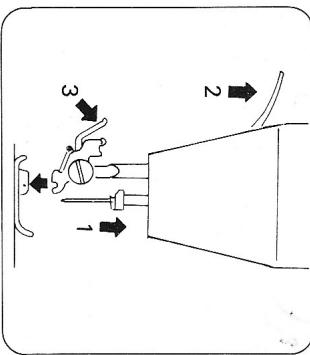
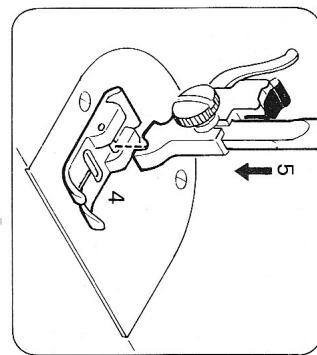
Select a needle of proper type and size for fabric to be sewn. See Page 9 SELECTING NEEDLE.



4. Place flat side of needle towards the back of machine.
5. Insert needle in needle clamp as far as it will go.
6. Tighten needle clamp screw.



1. Turn hand wheel toward you until needle bar is at its highest point.
2. Loosen needle clamp screw.
3. Remove the needle.



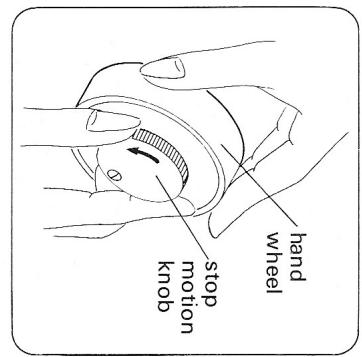
1. Turn hand wheel toward you until needle bar is at its highest point.
2. Raise the presser foot lifter.
3. Remove presser foot by pulling the presser foot release lever toward you.
4. Place the desired foot below the presser foot holder so that the pin on the foot fits into the space between the presser foot holder bracket and spring.
5. Lower the presser foot lifter and presser foot will snap into place.

Certain presser feet are not constructed as snap-on feet. In such instances, presser foot holder must be changed. Remove snap-on presser foot by loosening thumb screw.

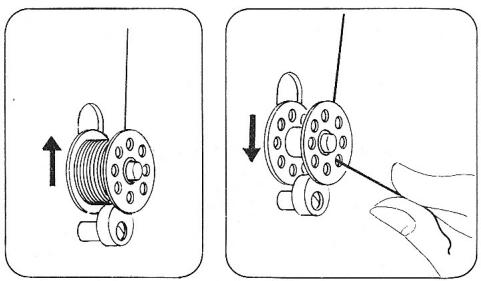
CHANGING THE PRESSER FOOT

Presser foot must be changed according to the stitch or operation you sew.

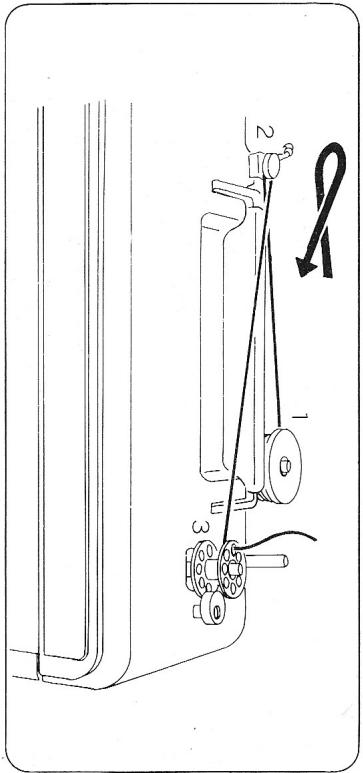
WINDING THE BOBBIN



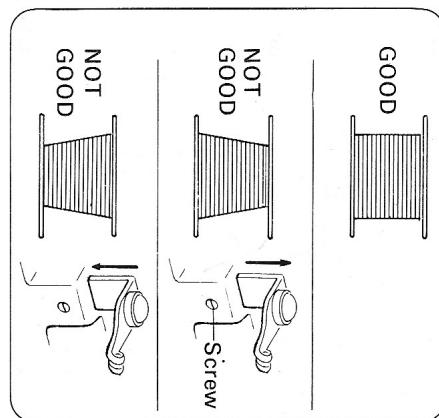
1. Turn the stop motion knob toward you with the right hand (while holding the hand wheel with the left hand) to disconnect the sewing mechanism for the bobbin winding operation.



3. Insert thread through any hole on the upper side of the bobbin from inside-out. Leave 3 to 4 inches of thread projecting from the bobbin.
4. Place bobbin on bobbin winder spindle and push spindle toward bobbin winder stop, to engage the bobbin winding mechanism.
5. Hold end of thread and operate foot control to start the machine.
6. When spindle starts to spin, end of thread will break off.
7. Bobbin winder will stop itself when bobbin is full. Push bobbin and spindle to the left. Remove bobbin from spindle and cut thread.
8. Hold hand wheel and tighten stop motion knob by turning it away from you.



2. Thread the machine in sequence with the numbers 1 to 3.



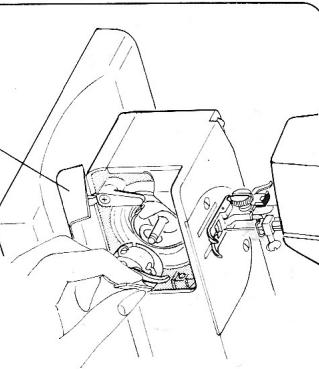
If bobbin winds unevenly, loosen screw which holds bobbin tension disc and move disc up or down, as required, to align it with bobbin winder.

INSERTING BOBBIN INTO CASE

When replacing the bobbin case, needle bar must be at its highest position.

- Removing the bobbin case

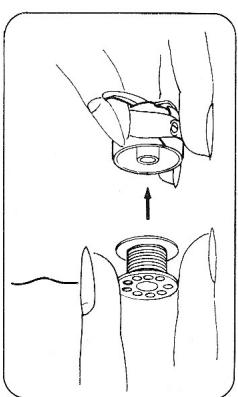
Open the bobbin case cover.



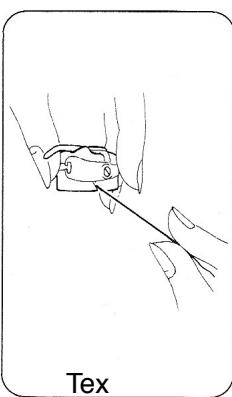
**MODEL
535FA**

**MODEL
534FB**

- Inserting bobbin into case

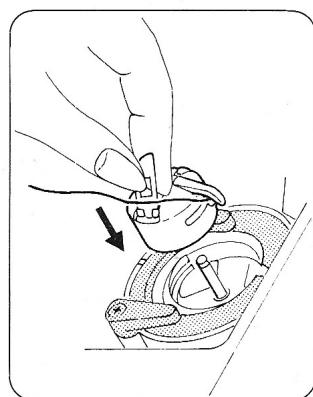


Insert bobbin into case with thread on top leading left to right.

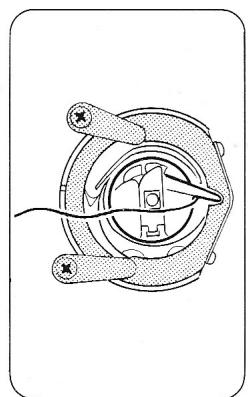


Draw thread under tension spring and into forkshaped opening of spring.

- Inserting the bobbin case into shuttle body



Open bobbin case latch, grasping it in your left hand, with bobbin case finger pointing up.
Slip bobbin and case on stud of shuttle body, and press on securely.

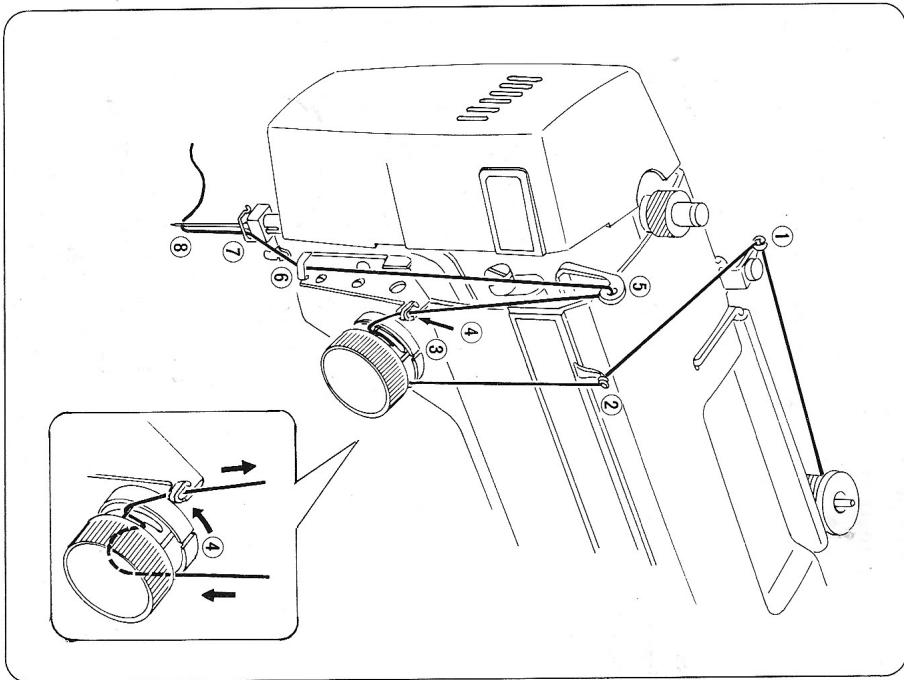


Release bobbin case latch. If bobbin case is not positioned properly, it could cause trouble.

Grasp bobbin case latch and withdraw bobbin and case from shuttle body.

THREADING THE MACHINE

The illustration below shows machine completely threaded. Open the face plate and thread the machine in sequence with the numbers ① to ⑧.



1. Turn hand wheel toward you until the needle is raised to its highest position. Raise the presser foot lifter.
2. Slip thread under and up into rear and front thread guide with your left hand. (① & ②).
3. Draw the thread down, and between the tension discs from right to left while holding the spool of thread on spool pin with your right hand.
Pull the thread upward until it catches the check spring.
4. Pass the thread through large thread guide ④ and eye of the thread take-up lever ⑤ from right to left.
5. Draw the thread down through the lower thread guide ⑥ and needle bar thread guide ⑦.
6. Pass the thread through eye of needle from front to rear.

