how to use and enjoy your Sewing 1109

MODEL VX540 ENGLISH

191540-0-\$1

PRINTED IN TAIWAN



CAUTION

SUPPLY PLUG IS DISCONNECTED TO AVOID ELECTRICAL HAZARDS. WHEN CHANGING NEEDLE, BOBBIN OR LIGHT BULB, OR WHEN SEWING MACHINE IS NOT IN USE, IT IS RECOMMENDED THAT ELECTRICAL

1

How to guide your material 19

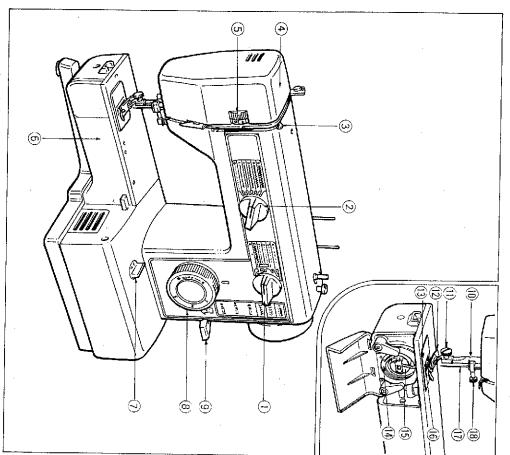
How to remove final sewing from

. 19

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Knowing Your Sewing Machine

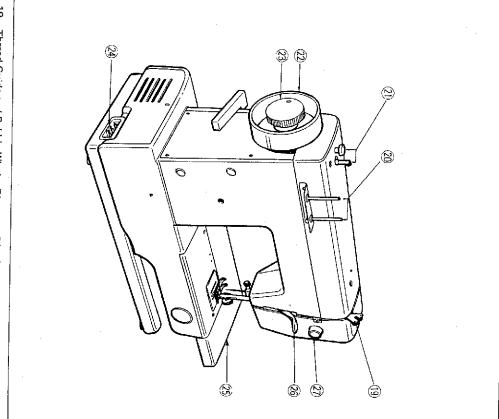
Principal Parts



- Stitch Length Dial
 Stitch Width Dial
 Thread Take-up Lev
- 4. Thread Take-up Lever
- Face Plate
- Upper Thread Tension Dial
- Free Arm
- Feed Dog Button Pattern Dial
- 9 8 7 6 5
- Reverse Sewing Lever
- 10 12 13 14 15 16 17 Thread Cutter
 - Presser Foot Screw
 - Presser Foot (Zigzag)
 - Needle Plate (Zigzag)

 - Shuttle Hook

 - Bobbin Case
 - Feed Dog
- Needle Clamp Screw Needle

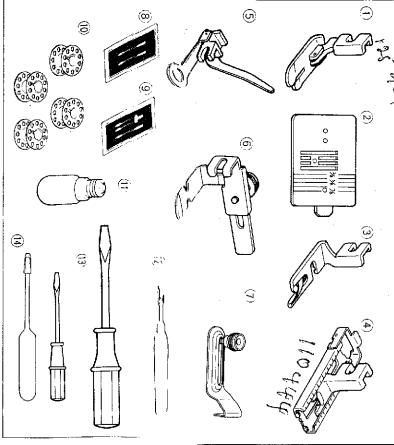


- Thread Guide and Bobbin Winder Disc
- Spool Pins
- Balante Wheel Bobbin Winder Device
- 19. 20. 21. 22. 23. Stop Motion Knob

- 24. 3-prong Socket25. Extension Table26. Presser Foot Lifter27. Sew-light Switch Knob (Button)

Accessories

The following accessories are provided with your sewing machine. These accessories are designed to help you sew easily and perfectly. For more details, see each page listed.

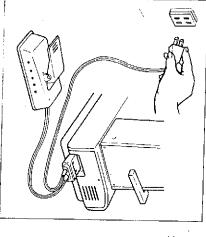


14.	<u>1</u> 3	12.	1:	10.			9.		œ	7.	6.	'n	4	ω	.2			
Oiler	Screw Driver (Large & Small)	Seam Ripper	Sew-light Bulb	Bobbins	Golden Stretch Stitch Needle	(Twin Needle 1 pce.	Needle Pack (B)	(Regutar Single Needle No. 14 3 pcs.)	Needle Pack (A)	Cloth Guide with Screw	Zipper Foot	Darning Foot	Buttonhole & Button Sewing Foot	Narrow-hemmer Foot	Straight Stitch Needle plate	Straight Stitch Foot		
1 pce.	2 ρα;	1 pce.	1 pce.	4 pcs.	2 pcs.)		1 set	3 pcs.)	1 set	1 set	1 pce.	1 pce.	-	1 pce.	1 pce.	1 pce.		
34	::::	25	-1	ដ			9		ထ	29	28	29	24 & 26	27	18	18	See page	

he above illustrated accessories are provided with this machine.

Operating Your Sewing Machine

CONNECTING PLUGS

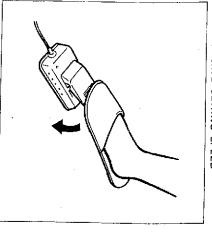


- First connect the three-prong plug into the machine.
 Then connect the classic
- Then connect the electric supply plug into a wall outlet.

Caution

When changing needle, bobbin or light bulb, or when sewing machine is not in use, it is recommended that electrical supply plug is disconnected to avoid electrical hazards.

CONTROLLING SEWING SPEED



Place foot on foot control as shown in illustration.

When foot control is pushed down lightly, machine will run at a low speed.

When pressure on foot control is increased, machine will pick up speed.

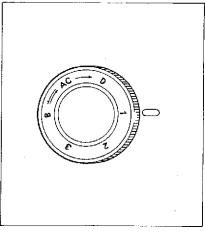
When foot control is released, machine will

NOTE:

- 1. Care should be taken that nothing is placed on foot control when machine is not in use.
- A new sewing machine or one that has not been in use for a long period of time should be oiled as per instruction on pages 34 and 35. After oiling be sure to wipe up any excess oil.

Various Controls

PATTERN DIAL



Your built-in pattern sewing machine enables you to obtain perfect buttonholes, triple stretch stitch and blind stitch by simply selecting the pattern on this dial.

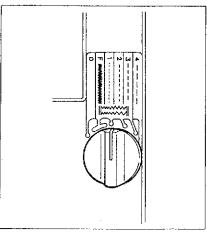
- 1. Raise needle to its highest position.
- . Simply turn the dial and set the pattern you desire at the setting point.

NUMBERS AND STITCHES OF PATTERN

- General Zigzag Stitch and Straight Stitch
- 2. Triple Stretch Stitch
- 3. Blind Stitch

A. B. C. D. Automatic Buttonhole

STITCH LENGTH DIAL



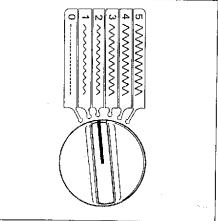
The stitch length is regulated by turning the stitch length dial.

Numerals beside the dial represent the stitch length. THE HIGHER THE NUMBER, THE LONGER THE STITCH.

The "O" means that the material is not fed. The "F" area is used for making a SATIN STITCH (a close zigzag stitch) and this stitch is used for making decorative patterns.

The dial position needed to obtain the satin stitch is varied according to the material and thread being used. To determine exact dial position, you must observe the feeding of the material.

STITCH WIDTH DIAL



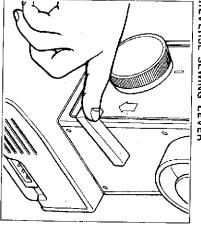
The zigzag width is regulated by operating the stitch width dial.

Numerals beside the dial represent the width of stitch. THE HIGHER THE NUMBER, THE WIDER THE STITCH.

The "O" means straight stitch only.

- NOTE: 1. Do not move the dial while the needle is in the material.
- When using twin needle, dial should always be set at under "3".

REVERSE SEWING LEVER

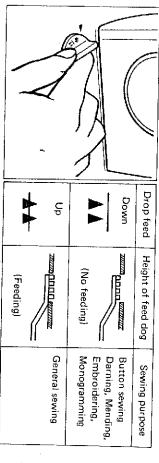


To sew in reverse, depress sewing lever in direction of R-arrow as far as it will allow. Hold lever in this position until you wish to sew forward. When lever is released it will spring back in position and you will sew in forward direction.

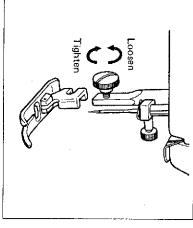
Reverse sewing is used for back-tacking and reinforcement.

HEIGHT OF FEED DOG

According to diagram below, regulate height of feed dog by using drop feed button.



Presser Foot



for special use in the accessory box. You will find various kinds of presser feet

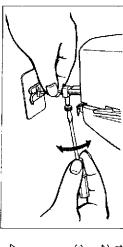
necessary to change presser foot. According to your sewing needs, it may be

TO CHANGE THE PRESSER FOOT

- Raise needle to its highest position.
- Raise presser foot.
- Loosen presser foot thumb screw and remove presser foot,
- foot against the flat of the presser bar Place grooved side of the new presser
- Tighten thumb screw.

Needle

HOW TO CHANGE THE NEEDLE



- 1. Raise needle to its highest position.
- old needle. Loosen needle clamp screw and remove
- ښ hole as far as it will go against the needle Insert new needle up into needle clamp needle faces toward the back and the long groove toward you. Make sure the flat side of the
- Tighten needle clamp screw securely.
- straight and sharp for smooth sewing. The sewing needle must always be

HOW TO CHECK THE NEEDLE

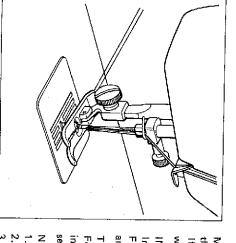
Ņ To check if needle is bent, place flat side at left. of needle down as shown in illustration

 \times

× 0

Twin Needle

either one or two colors of upper thread. Your sewing machine is specially constructed for optional twin needle sewing. You can use



will be faulty. If thread is not of the same weight, stitching thread twin needle are of the same weight. Make sure that the two threads used to

INSERTION OF TWIN NEEDLE

and long groove should face you. Flat side of needle should face toward back Insert in same manner as single needle,

separately. The groove should face you. ing (see page 12), but thread each needle Follow instructions for single needle thread-THREADING OF TWIN NEEDLE

NOTE FOR TWIN NEEDLE SEWING

- Use ZIGZAG NEEDLE PLATE.
- Use ZIGZAG PRESSER FOOT.
- Set stitch width dial at under "3".

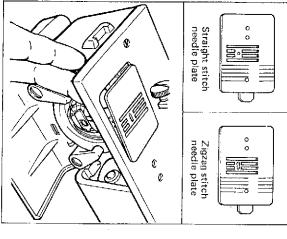
Golden Stretch Stitch Needle

STITCH NEEDLE" Because the popularity of stretch fabrics continues to grow, a special "GOLDEN STRETCH sewing machine, has been developed. A package is enclosed in the accessory box of your

With the "GOLDEN STRETCH STITCH NEEDLE" you can sew any type of stretch fabric easily.

skip stitches and your sewing will be neat and professional even on the most advanced stretch You will find that when using the "GOLDEN STRETCH STITCH NEEDLE" you will not fabrics of today.

Needle Plate



needle should be used for zigzag and straight The needle plate with wide opening for

or light types of material. Use of straight presser foot should be used as well stitch is recommended. The straight stitch needle should be used when sewing elastic The needle plate with small opening for

- To change needle plate;
- Raise needle to its highest position.
- Raise presser foot.
- Open shuttle cover.
- With your forefinger push needle plate upward from beneath
- Ċυ Remove the old plate and place the new the groove of the free-arm. one so that the guide projection fits to
- Press needle plate down in position. proper
- Clase shuttle cover.

guide lines on the needle plate to keep the Also, it is recommended that you use the seam straight.

For example, when you wish to sew 3/8 material on the line 3/8. inch from the edge, place the edge of

Relative Chart of Sewing Material, Needle and

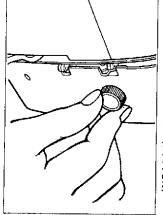
	Т	· · · · · · · · · · · · · · · · · · ·		1	T	٦
VERY HEAVY	HEAVY	MEDIUM	LIGHTWEIGHT	VERY THIN	SEWING	
Canvas, Overcoating, Upholstery	Denim, Gabardine, Tweed, Corduroy	Cotton, Gingham, Poplin, Percale, Pique, Satin, Velvet, Lightweight wool, Fine corduroy, Suitings	Organdy, Jersey, Voile, Taffeta, Synthetics, Silk, Batiste	Fine tricot, Fine lace, Thin linen, Silk, Tulle, Chiffon	SEWING MATERIALS	
18	16	14	11	9	NEEDLE SIZES	
Cotton: 30-40 Mercerized Heavy Duty	Cotton: 40-50 Mercerized Heavy Duty	Cotton: 50–60 Silk: "A" Synthetic Mercerized 50–60	Cotton: 60-80 Silk: "A" Synthetic Mercerized 50	Cotton: 80-120 Synthetic Fine Mercerized Cotton	THREAD SIZES	

NOTE: 1. Select correct size of needle and thread from above chart.

2. Use the same size thread for upper and lower threads,

Sew-Light

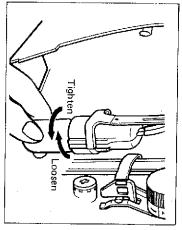
SEW-LIGHT SWITCH KNOB (BUTTON)



light on and off. (110/115 V AREA) Turn this knob in any direction to switch

Push this button to switch light on and off, (220/240 V AREA)

HOW TO CHANGE THE BULB



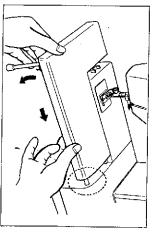
Swing open face plate.

2

- Remove bulb clockwise. γď turning counter-
- 3. Replace bulb and swing face plate to
- NOTE: 1) Disconnect electric plug from 2) Always use CORRECT SPARE wall outlet before removing
- MAXIMUM INPUT OF LAMP BULB.

12 W 110/115 V AREA 15 W 220/240 V AREA

Extension Table

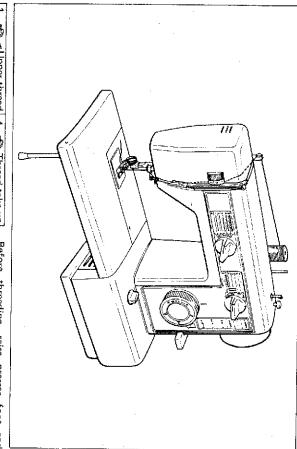


which converts it into a flat-bed machine. This sewing machine has an extension table

How to insert the extension table:

- 1. Stand the supporting leg securely and shown in illustration. slide the extension table to the right as
- 2. To remove extension table, just pull it to

Upper (Needle) Thread



Upper thread Guide pin ប Thread take-up ហ N 1. Pass thread through the eye of upper

Before threading, raise presser foot and take-up lever to the highest position.

Then place spoof of thread on the spool pin.

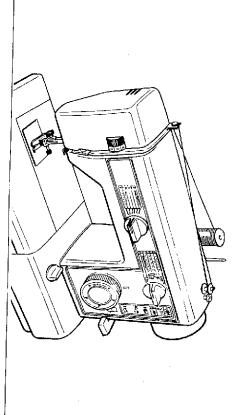
- Pass thread guide pin. Pass thread between upper thread tension discs from the upper side of thread guide.
- 3. Bring thread down and up through Pass thread into the eyelet of the thread thread picks up the thread check spring. thread guard from left to right so that
- Bring down again and pass thread take-up lever from left to right. through the thread guides.
- (5 cm). Thread needle from front to back and draw the thread out about 2 inches

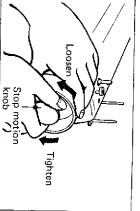
NOTE:

STITCH SKIPPING, WRINKLING OF CORRECT, FABRIC WILL OCCUR. IF THE THREADING ORDER IS NOT THREAD BREAKAGE,

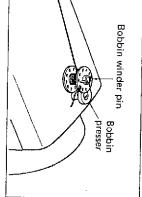
Lower (Bobbin) Thread

HOW TO WIND BOBBIN

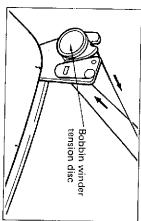




1. Loosen stop motion knob by turning it toward you.



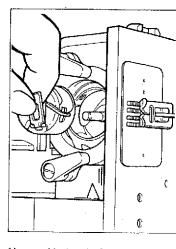
'n Place an empty bobbin on the bobbin winder pin.



ω Place thread spool on the spool pin and tension disc. take thread through bobbin winder

- 4. Wind the thread a few times around bobbin toward bobbin presser. the bobbin clockwise and push the the machine gently.
- Bobbin stops winding when full.
- Push the bobbin to the left and remove

HOW TO REMOVE AND INSERT BOBBIN CASE



TO REMOVE BOBBIN CASE

- 1. Raise needle to its highest position.
- Open the shuttle cover by turning it down.
- 3. Pull and open the latch of bobbin case
- 4. Pull out bobbin case from the shuttle.

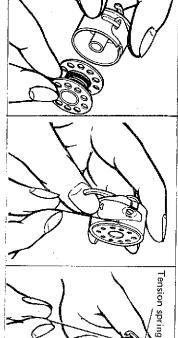
TO INSERT BOBBIN CASE

- 1. Raise needle to its highest position.
- Holding bobbin case latch with metal finger of case pointing up, fit it into the notch at the top of shuttle race.
- Push case back fully making sure the case is in the proper position and release the latch.

NOTE:

- (A) Four inches (10 cm) of thread should be drawn out and left out of case.
- (B) Latch of bobbin case should be open fully to prevent bobbin coming out of case.
- (C) If bobbin case is not placed back in machine properly it will come out from the shuttle immediately after starting to sew.

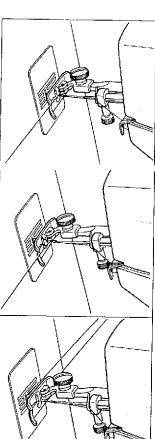
HOW TO THREAD BOBBIN CASE



Unwind about 4 inches (10 2, Pull trailing 1 cm) of thread from the the slot of case.
 bobbin. Insert wound bobbin into bobbin case.

 Pull trailing thread into 3. Pull thread to the left the slot of case. under tension spring until thread enters into delivery eye.

HOW TO PULL UP LOWER THREAD



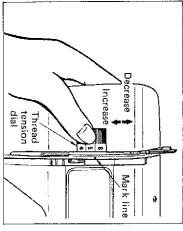
- 1. Raise needle and presser foot to the highest position. With left hand, hold the end of upper thread and with right hand, turn balance wheel toward you until the needle moves down and up again to its highest position.
 - 2. Now upper thread catches the lower thread in a loop. Pull thread toward you so that lower thread will come up in a large loop from the presser
 - 3. Pull both threads under the toes of presser foot and place them to the rear leaving about 4 inches (10 cm).

Thread Tension

terial or other problems. It is important that tension of upper and lower threads be equal to prevent puckering of ma-

It is recommended that a test sample be made before starting to sew.

UPPER THREAD TENSION



thread tension dial with left thumb lowering the presser foot. To regulate thread tension, merely turn after

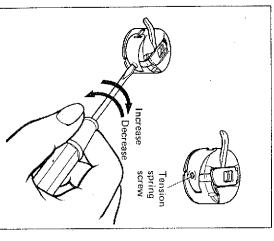
TIGHTER THE TENSION. THE HIGHER THE NUMBER

To increase tension: Turn dial downward

To decrease tension: Turn dial upward to smaller number. to large number.

NOTE: The zigzag stitch requires less upper thread tension than straight stitch

LOWER THREAD TENSION



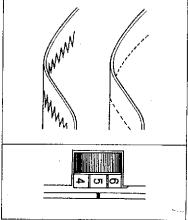
be readjusted. very thin or heavy material it may have to been adjusted at the factory, when sewing Although lower thread tension has already

To regulate the lower thread tension, the bobbin case with the small screw driver. turn small screw on the tension spring of

To increase tension: Turn the small screw clockwise very slight-

To decrease tension: Turn the screw counter-clockwise very

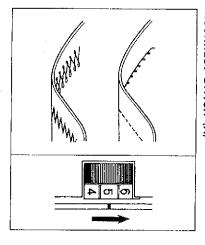
PERFECT STITCHING



Tension of upper and lower threads should be equal, just sufficiently strong to lock both threads in material,

puckering of material. Perfect stitching appears flat with 3

INCORRECT STITCH (A)



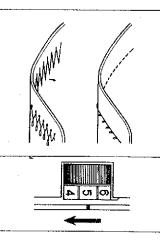
the material by pulling the lower thread The upper thread lies on the surface of up as shown.

thread or loose tension on the lower thread. This is caused by tight tension on the upper

tension dial to a lower number. To correct this, turn the upper thread

When perfect stitch cannot be obtained by only upper thread tension dial, adjust the bobbin tension accordingly.

INCORRECT STITCH (B)



of the material by pulling upper thread down as shown. The lower thread lies on the under surface

thread or tight tension on the lower thread, This is caused by loose tension on the upper

tension dial to a higher number. To correct this, turn the upper thread

changing upper thread tension, adjust the babbin tension. If perfect stitching cannot be obtained by

NOTE: It is recommended that test samples are made before starting to sew.

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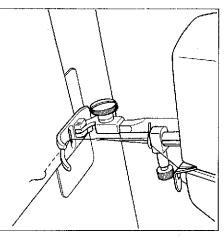
Straight Stitching

FEED DOG NEEDLE PLATE PRESSER FOOT STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL NEEDLE

> Straight or Zigzag Straight or Zigzag

~ 4

Single þ



NOTE: Use straight stitch foot and needle plate when sewing light or elastic type materials with straight stitch.

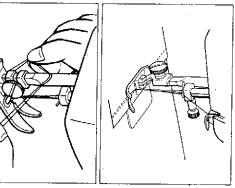
HOW TO START SEWING

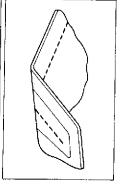
- Raise needle to its highest position and lift presser foot.
- 2. Place material under presser foot and material edge. position needle 3/8 inch (10 mm) from
- ણ 4 Lower presser foot.
- Pull up lower thread by turning the balance wheel toward you and place both upper and lower thread to the left.
- Çī sewing is used where reinforcement is ing Lever as far as it will allow. Reverse For reverse sewing depress Reverse Sew-
- Ģ Release Reverse Sewing Lever and start sewing in forward direction.

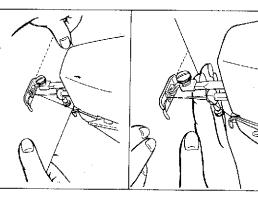


- 1. Stop machine at the turning point while the needle is in the material.
- 2. Raise the presser foot and turn the the needle acts as the axis. material to the new direction while
- Lower the presser foot and start sewing in new direction.

NOTE: In case of twin needle sewing, raise the needle at the turning point







HOW TO FINISH YOUR SEWING PROJECT (REVERSE STITCHING)

edge of material or wherever reinforcement is needed. Reverse stitching is used to reinforce stitches near the

- 1. This is done by stitching to the edge of material then stopping.
- 2. Depress Reverse Sewing Lever and stitch backwards for 3/8 inch (10 mm) from material edge.

MACHINE ном то REMOVE FINAL SEWING

- Stop the machine.
- 2. Raise needle to its highest position and make sure that the thread take-up lever is also in the highest position.
- Lift presser foot and pull out the material gently to the left side diagonally.
- Cut both threads on the thread cutter.
- 4. 0 chance of thread pulling out of the needle. and you are ready to sew again without any Leave about 4 inches (10 cm) of threads between toes of the presser foot to the rear while the thread take-up lever is at the highest position,

HOW TO SEW VERY THIN MATERIAL

skipped stitches and puckering on very thin material An underlay of thin paper will help to eliminate

HOW TO GUIDE YOUR MATERIAL

tion. work. Merely guide the material with your fingers in front of the presser foot as shown in the illustra-Do not pull the material. Let the machine do the

If you pull the material, your needle might either bend or break.

illustration. presser foot with gentle tension as shown in the lower support the material both in front and back of the tricot, crepes, knits, etc., we recommend that you However, in the case of special materials, such as



Zigzag Stitching

STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL NEEDLE PLATE PRESSER FOOT

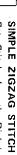
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NEEDLE FEED DOG

> 1~5(Twin Needle sewing, always set at 3) 1~4(For SATIN STITCH dial is set at F)

Zigzag Zigzag

Single or Twin Needle



simple zigzag stitch. Set Stitch Length Dial between 1-4 for

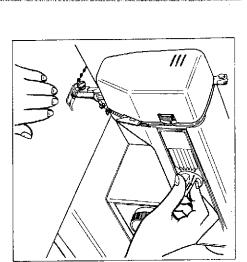
- 1. With Stitch Length Dial at "F" position sew 5-6 straight stitches for reinforce-
- 2. Set Stitch Width Dial to your desired width and commence sewing.
- ω Reset Stitch Width Dial to "O" and set Stitch Length Dial at "F" position ing work from machine. to again reinforce stitches before remov

NOTE: Zigzag stitching requires less upper ing. thread tension than straight stitch-



corative stitches. used for making fine buttonholes or deproduces the "SATIN STITCH" which is When Stitch Length Dial is set at "F" it

NOTE: It is recommended that a test sample be made before starting to



Decorative Stitches

STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL

NEEDLE PLATE PRESSER FOOT

FEED DOG

For SATIN STITCH set dial at F See Instruction Below

Zigzag Zigzag

Single or Twin Needle

By using the "SATIN STITCH" as in the stitches can be obtained. following instructions various decorative

NOTE: Set stitch Width Dial at under "3" when using twin needle.

	Sing	Twi	Sing	Twi	Sing	2	
Twin needle	Single needle	Twin needle	Single needle	Twin needle	Single needle	Needle	
					4	Patterns to be sewn	
Repeat the movement.	Slowly from 0 to 5 (3) and	above but make round patterns.	Almost the same manner as	Repeat this.	At even speed from 0 to 5 (3)	How to move Stitch Width Dial	

NOTE; Number in brackets represents twin needle sewing.

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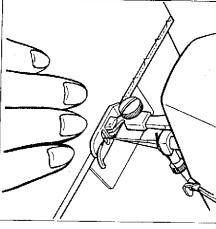
Built-in Stitches

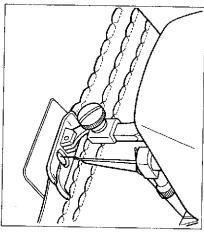
STITCH LENGTH DIAL FEED DOG PRESSER FOOT STITCH WIDTH DIAL **NEEDLE PLATE** PATTERN DIAL

Zigzag ა ~ 5 3 (Blind Stitch) $1\sim2$

Zigzag 5

NEEDLE

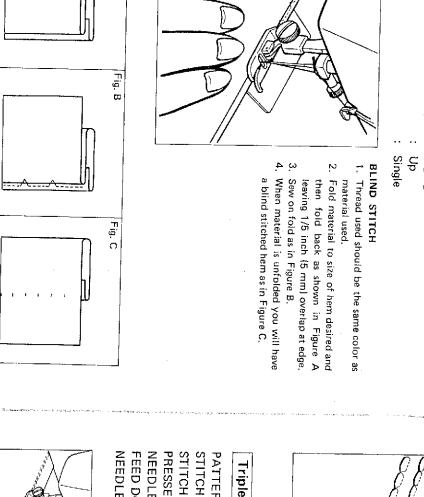




SHELL STITCH

edge on a light material. This stitch can be used for sewing a picoted

- 1. Set machine at blind stitch with Stitch
- 2. Sew material on bias, placing material stitches are sewn on seam line and zigzag under the presser foot so that straight Width Dial set at "5".
- This work requires a little tighter upper thread tension than normal. stitches are sewn slightly over seam edge.
- Sew at slow speed.
- Edge of material will be picoted.





STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL

NEEDLE PLATE PRESSER FOOT

FEED DOG

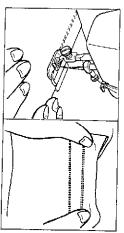
NEEDLE

Fig. A

2 (Triple Stretch Stitch)

Zigzag or Straight Zigzag or Straight

Single (See Note 1)



stretch material such as knitted fabric, The "Triple Stretch Stitch" is used for any tricot, etc.

which prevents thread breakage. regular stitch and gives elasticity to seams This stitch is three times the strength of a

- NOTE: 1. Use of "Golden Stretch Stitch Needle" is recommended.
- 2. When sewing extremely light or stitch presser foot and needle elastic material use straight

Buttonholes

Buttonholes and Button Sewing

PATTERN DIAL STITCH LENGTH DIAL STITCH WIDTH DIAL PRESSER FOOT NEEDLE PLATE FEED DOG NEEDLE

A. B. C. D.

F (Fine) \sim 3 (Coarse)

See Instruction Below Buttonhole Foot

See Instruction Below

Single

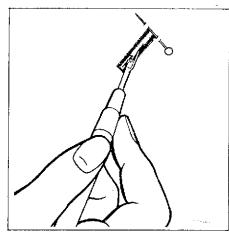
PREPARATION FOR MAKING BUTTON-HOLE

- Use buttonhole foot with sliding portion.
- Choose the best stitch width (width of bar tack) between 3 to 5 to suit your work.
- Using tailor's chalk, mark the length of buttonhole you require on the material.
- Attach the buttonhole foot and push the sliding portion toward rear until it stops.
 Place the material under the presser foot so that front end of bar tack can be sewn

NOTE: We suggest you to make a test sample before actual sewing.

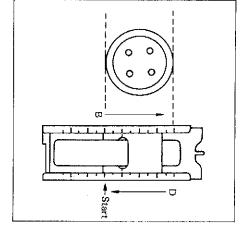
PROCEDURE OF MAKING BUTTONHOLE

пeedle reaches position D.	*	D	row)
 Set the dial at D. Sew the right side row until the 	0		Step D (Right
		0	tack)
 Turn the dial to the left and set at C (same position as A). Sew 5 to 6 stitches. 	p AS		Step C {Back end of
 Sew predetermined length. Stop machine and raise the needle. 	75		side row)
 Turn the dial to the right and set at B. 	B	8	Step B
3. Stop machine and raise needle from the material.	8	A	bar tack)
Set pattern dial at A. Lower presser foot and sew 5 to 6 stirches	AC		Step A (Front
How to sew	Position of pattern dial	Sewing portion	Step



HOW TO SECURE STITCHING AND CUT MATERIAL FOR BUTTONHOLE.

- To secure stitching, turn the material 90 degrees counter-clockwise and sew 5-6 straight stitches.
- Remove from machine. Cut opening in buttonhole with seam ripper tool, taking care not to cut through any stitching.
- It is recommended that pins are placed across both ends of buttonhole as protection against cutting bar tack stitching.



MAKING SEVERAL BUTTONHOLES OF THE EXACT SAME SIZE

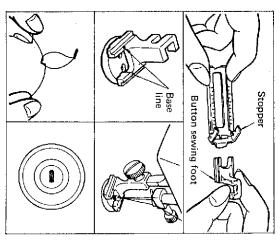
- Set the sliding portion of the buttonhole foot according to the size of the button and sew Step A.
- Sew Step B until the sliding portion no longer moves.
- 3. Sew Step C.
- 4. Sew Step D until the sliding portion returns to Step A.
- Repeat 1 through 4 for each additional buttonhole of the same size, using the same starting point.

Button Sewing

STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL

FEED DOG **NEEDLE PLATE** PRESSER FOOT NEEDLE

> Zigzag Set at any position. **Button Sewing Foot** between holes in button. This dial is used to control distance



 Removing the sliding portion of buttonfoot. hole foot, you will have a button sewing

Single

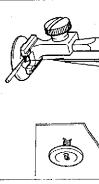
Down

sewing foot backward. stopper down and slide the button To remove the sliding portion, push the

2. Place button between the presser foot of button sewing foot. of button fall in line with the base line and the material, making sure that holes

- Set stitch width control to regulate check to see that needle enters holes in distance of stitch between the holes in button properly. the button. Lower presser foot and
- stitches. At slow speed sew approximately 10
- បុា Remove from machine. Cut upper and needle sew threads through to back of button and tie. lower threads and with normal sewing

BUTTON FITTING WITH THREAD SHANK

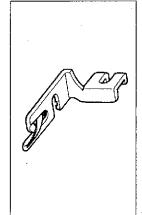


on buttons: For heavier material use the following method to sew

- 1. Place a needle on the button as shown in illustraly (see above). tion and then sew on button as you would regular-
- When removing work from machine leave a long upper thread to be used to form a thread shank.
- ယ္ Pull the upper thread through hole of button, shank. Wind this thread around stitching which between button and material, to form thread will make button very secure.
- With normal sewing needle sew in thread ends.

Attachments

Narrow Hemming



By using narrow hemmer foot a neat scrol type hem is made.

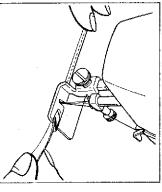
NEEDLE PLATE PRESSER FOOT STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL

0(3) 2 - 3

Straight or Zigzag Narrow-hemmer Foot

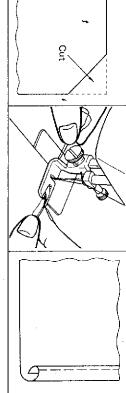
Single

NEEDLE FEED DOG

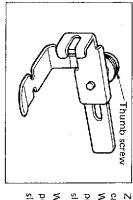


- 1. Cut top corner of the material about 1/8 inch (3
- 2. Place material wrong side up and insert cut off angle into foot opening.
- 3. Pull material by hand from the back of the presser Make sure the needle is positioned over material.
- 4. Make sure upper and lower threads are placed Lower presser foat
- Sew at medium speed, guiding the material by hand, through the presser foot opening. behind presser foot.

NOTE: With stitch width dial set at 3, zigzag narrow hemming can be done following the above



Zipper Insertion



sliding zipper foot to the left. When zipper is being sewn at right side of needle, can easily be positioned to right or left side of needle. Zipper foot is used to sew various types of zippers and position zipper foot by loosening thumb screw and

sliding zipper foot to the right. position zipper foot by loosening thumb screw and When the zipper is being sewn at left side of needle,

STITCH WIDTH DIAL STITCH LENGTH DIAL NEEDLE PLATE PRESSER FOOT PATTERN DIAL

NEEDLE FEED DOG

Single

ç Straight Zipper Foot

- Lower needle into side notch located on presser foot (right or left).
- 3. Fold edge of material 3/4 inch (2 cm.) 2. Tighten thumb screw to lock presser faot into position.
- 4. By guiding zipper foot along the zipper and place zipper under folded portion. zipper in correct position. teeth you will stitch close to edge of
- ပ် To sew opposite side of zipper loosen (right or left). thurn's screw and position zipper foot

Darning

PRESSER FOOT STITCH WIDTH DIAL STITCH LENGTH DIAL FEED DOG NEEDLE PLATE PATTERN DIAL

NEEDLE

Single Down Straight

Darning Foot

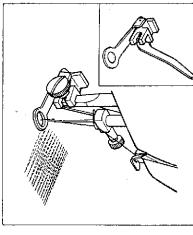
Set at any position

'n'n under presser foot.

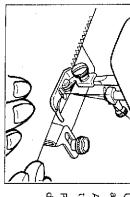
1. Place material with area to be darned

Stitch by slowly drawing material back Lower presser foot. and forth.

4. Repeat until area to be darned is completely filled in.



Cloth Guide



Using cloth guide will help to sew parallel and straight at edge of material.

the right side of needle plate in sewing machine bed Attach cloth guide by placing it over the two holes on

distance and secure by turning thumb screw. Put thumb screw through guide slot, adjust to desired

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Various Other Stitches

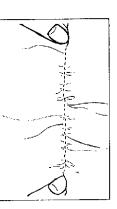
Gathering

PRESSER FOOT STITCH WIDTH DIAL STITCH LENGTH DIAL **PATTERN DIAL** Straight

Straight

NEEDLE FEED DOG NEEDLE PLATE

Single



1. Loosen upper thread tension (set dial at about '2') so that lower thread lies on the under side of

Sew a single row or multiple rows of straight

Pull lower thread(s) to gather up material.

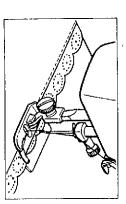
Attaching Lace

STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL

PRESSER FOOT

NEEDLE FEED DOG NEEDLE PLATE

> Zigzag Zigzag ç



1. Place lace under material letting it overlap edge 1/4 inch (5 mm).

Single

Place under presser foot and sew.

NOTE: If satin stitch or a decorative stitch is used to sew lace, it will be most decorative.

Appliqueing

STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL

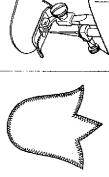
13

PRESSER FOOT NEEDLE PLATE

NEEDLE FEED DOG

Single

ф Zigzag Zigzag



- Baste cut design to the material.
- 2. Sew carefully following design.
- 3. Cut away surplus material outside of stitching.
- Remove basting.

NOTE: Reinforce with straight stitch when you start and finish.

Cording

STITCH LENGTH DIAL PATTERN DIAL

F-2

STITCH WIDTH DIAL

NEEDLE FEED DOG NEEDLE PLATE PRESSER FOOT

Zigzag

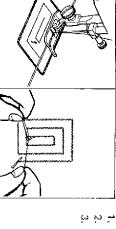
Zigzag

being used, set stitch width.

In accordance with thickness of cord

Single

þ



- Set Stitch Width Dial.
 Place cord on fabric to Place cord on fabric to be sewn.
- Lower presser foot making sure cord is Guide cord by hand to where you desire centered and sew using zigzag stitch.

Monogramming and Embroidering, Using Embroidery Hoop

STITCH WIDTH DIAL STITCH LENGTH DIAL PATTERN DIAL

PRESSER FOOT NEEDLE FEED DOG NEEDLE PLATE

> 0-5 Set at any position. Removed

Zigzag Down

Single

EMBROIDERING PREPARATION FOR MONOGRAMMING AND

Set your sewing machine as per above instructions.

Draw lettering (for monogramming) or design (for embroidering) on the right side of the material.

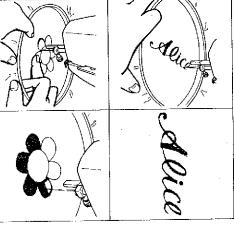
ယ Stretch work between embroidery hoops as firmly as possible.

Place the work under the needle and lower presser

បា Pull lower thread up through the work at starting position by turning balance wheel and make a few holding stitches.

Hold the hoop with thumb and forefingers of both third fingers and supporting the outside of hoop hands while pressing the material with middle and with smaller finger.

Driver



MONOGRAMMING

Sew, moving hoop slowly along the lettering at an even rate of speed

Secure with a few straight stitches.

(NOTE: These instructions also apply embroidering) ö

EMBROIDERING

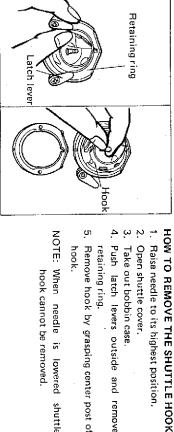
1. Stitch outline of design by moving embroidery hoop accordingly.

Fill in design stitch from outline of of outline alternately until design is design to inside and from inside to edge completely filled in. close together. Keep stitching

NOTE: A long stitch is made by moving short stitch is made by moving it embroidery hoop rapidly and a

Maintenance and Care of Your Machine

ate. The sliding parts of the shuttle race should be cleaned regularly so that lint does not accumu-



Remove hook by grasping center post of

hook cannot be removed.

retaining ring.

<u>.</u> 4. Push latch levers outside and remove NOTE: When needle is lowered shuttle Take out bobbin case. Open shuttle cover. Raise needle to its highest position.

CLEANING SHUTTLE RACE

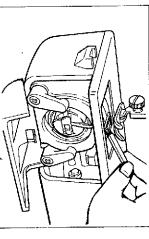
- Remove accumulated lint and thread and race body with brush. from the retaining ring, hook, driver
- 2. A cloth dampened with machine oil clean. should be used to wipe shuttle race

Race body

Clean shuttle hook in same manner as above.



Retaining ring



CLEANING FEED DOG

- Take out needle plate.
- Clean upper part of feed dog and shuttle race body with brush.

How to Oil Sewing Machine

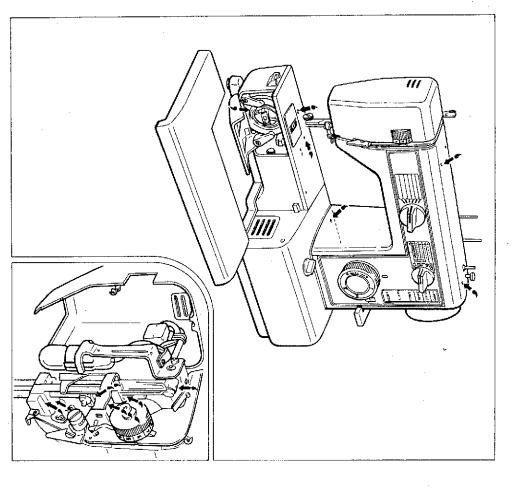
For smooth and silent operation the moving parts of the machine should be oiled periodically. (See diagram below.)

OIL 3 to 4 DROPS TO THE POINTS MARKED OIL 1 to 2 DROPS TO THE POINTS MARKED

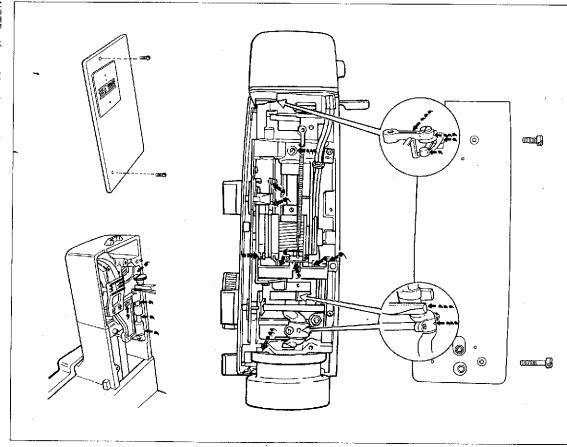


OIL ONCE A WEEK IF MACHINE IS USED MORE THAN ONE HOUR PER DAY. IF MACHINE IS USED MORE OFTEN OIL EVERY DAY.

After the machine has been oiled, remove thread and with presser foot up, run machine fast. Then wipe up any excess oil.



oiling points as illustrated. Also, apply machine oil to inner parts of free-arm as illustrated by Occasionally, remove the top cover by loosening two screws on it and apply machine oil to loasening two screws.



NOTE: If machine has not been used for a long period of time, oil tends to coagulate and operation of machine will not be smooth. Apply a few drops of oil to oiling points, and with presser foot up run machine for a few minutes. Then wipe up any excess oil.

Check List for Better Sewing

Check this list if you are having the following problems:

MATERIAL IS NOT FED

- Feed dog is down.
- Needle plate is out of position.
- Stop motion knob is loose.
- Stitch length regulator is at 0.

NEEDLE BREAKS

₩

- Needle is inserted incorrectly.
- Needle clamp screw is loose.
- ωŅ Bent needle is used.
- Upper threading is not correct.
- တ္တ Upper thread tension is too tight,
- Wrong needle and thread for cloth being sewn are used.
- Material pulled excessively.

≓ Tension of upper or lower thread is wrong.

Ξ MATERIAL SHOULD PUCKER

- 'n
- Thread is caught by something
- Lower thread is uneventy wound on

LOOPS FORM ON FABRIC

- Thread tension is too tight.
- Threading is not correct.
- bobbin.

IF UPPER THREAD BREAKS

- Upper threading is not correct
- Needle eye is not smooth.
- Upper thread is too large for needle eye.
- Upper thread tension is too tight.
- Needle is inserted incorrectly.

Mark Company of the C

LOWER THREAD BREAKS

Ŧ

- Lower thread is entangled in shuttle.
- Lower thread tension is too tight.
- ω Lower threading is not correct.

IF MACHINE SKIPS STITCHES

- Needle is not sharp and straight.
- Needle is inserted incorrectly.

ω

- Wrong needle and thread for cloth being
- 4 10 Upper threading is not correct.
- Lint is clinging to under-side of needle

Ŧ MACHINE RUNS HEAVY OR NOISY

- Machine is out of oil.
- 2 Lint is accumulated on shuttle and teeth af feed dog.

Repacking the Machine

Keep this carton and packing material for future use in the event it becomes necessary to reship the sewing machine.

instructions for repacking the machine are illustrated below. (Improper packaging or improper packing material could result in damage during shipping.)

