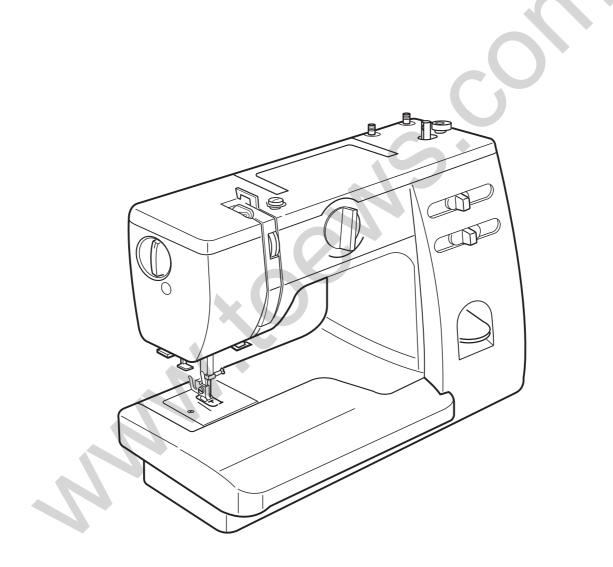
Janome 419S Instruction Manual



Models 419S & 423S

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic safety precautions should always be followed, including the followings: Read all instructions before using this appliance.

DANGER —To reduce the risk of electric shock:

- 1. An appliance should never be left unattended when plugged in. Always unplug this sewing machine from the electric outlet immediately after using and before cleaning.
- 2. Always unplug before replacing a sewing machine bulb. Replace bulb with same type rated 15 Watts.

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

- 1. Do not allow to be used as a toy. Close attention is necessary when this sewing machine is used by or near children.
- Use this appliance only for its intended use as described in this manual. Use only attachments recommended by the manufacturer as contained in this manual.
- Never operate this sewing 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 this sewing machine to the pearest authorized dealers or service center for examination, repair.

Return this sewing machine to the nearest authorized dealers or service center for examination, repair, electrical or mechanical adjustment.

- 4. Never operate the appliance with any air opening blocked. Keep ventilation openings of this sewing machine and foot control free from accumulation of lint, dust and loose cloth.
- 5. Never drop or insert any object into any opening.
- 6. Do not use outdoors.
- 7. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
- 8. To disconnect, turn all controls to the off ("O") position, then remove plug from outlet.
- 9. Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- 10. Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
- 11. Always use the proper needle plate. The wrong plate can cause the needle to break.
- 12. Do not use bent needles.
- 13. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
- 14. Switch this sewing machine off ("O") when making any adjustment in the needle area, such as threading the needle, changing the needle, threading the bobbin or changing the presser foot, and the like.
- 15. Always unplug this sewing machine from the electrical outlet when removing covers, lubricating, or when making any other adjustments mentioned in this manual.

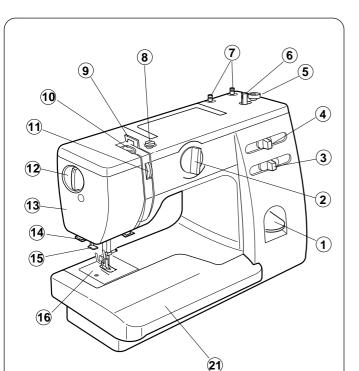
SAVE THESE INSTRUCTIONS

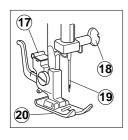
~

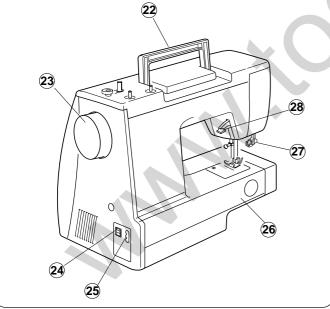
TABLE OF CONTENTS

SECTION 1. ESSENTIAL PARTS

	Name of Parts	2
SECTION	2. GETTING READY TO SEW	
	Extension Table	3
	Standard Accessories	
	Accessory Storage Box	
	Connecting the Machine to the Power Supply	
	Foot Control	
	Presser Foot Lifter	
	To Attach and Remove the Presser Foot	
	Presser Foot Pressure Adjusting Dial	
	Changing Needle	
	• To check the needle	
	Thread and Needle Chart	
	Setting Spool Pins	
	Removing or Inserting the Bobbin Case	
	Winding the Bobbin	
	Threading Bobbin Case	
	Threading the Machine	
	Needle Threader	
	Drawing Up Bobbin Thread	10
	Balancing Needle Thread Tension	
	Pattern Selector Dial	12
	Stitch Length Control	12
	Stitch Width Control	12
	Reverse Stitch Button	13
	Dropping the Feed Dog	13
SECTION	3. BASIC SEWING	
	Straight Stitch Sewing	14
	To Change Sewing Direction	
	Seam Guides Line	
	Variable Needle Position	
	Zigzag Stitching	
SECTION	4. UTILITY STITCHING	
SECTION		40
	Overcasting Tricot Stitch	10
	Knit Stitch Straight Stretch Stitch	
	Sewing on Buttons	
	Buttonhole	
	To adjust buttonhole stitch density	
	Corded Buttonhole	
	Zipper Application	
	Blind Stitch Hemming	
	Rolled Hem	
OFOTION		20
SECTION	5. DECORATIVE STITCHING	
	Shell Tuck	
	Stretch Stitch Patterns	
	Smocking	
	Box Stitching	
	Applique	
	Decorative Satin Stitch Patterns	28
SECTION	6. CARE OF YOUR MACHINE	
	Dismantling and Assembling Hook Race Unit	29
	Cleaning the Feed Dog	
	Oiling the Machine	
	Oiling behind the face plate	
	Oiling the shuttle hook area	
	Sewing Light	
	Troubleshooting	
		• •







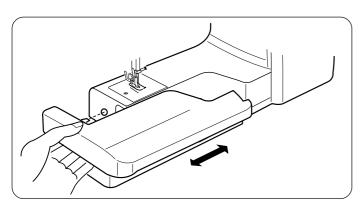
Janome 419s sewing machine

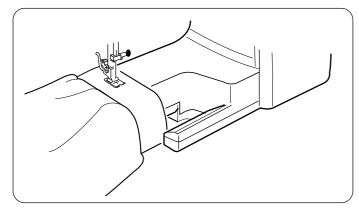
SECTION 1. ESSENTIAL PARTS

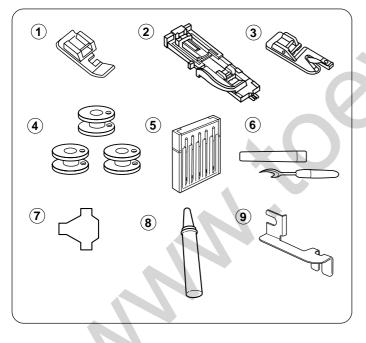
Name of Parts

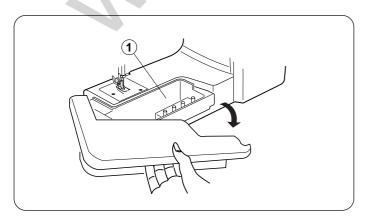
- 1 Reverse stitch button
- 2 Pattern selector dial
- 3 Stitch width control
- 4 Stitch length control
- 5 Bobbin winder stopper
- 6 Bobbin winder spindle
- 7 Spool pins
- 8 Bobbin winder thread guide
- 9 Thread guide
- 10 Thread take-up lever
- 11 Thread tension dial
- 12 Pressure adjusting dial
- 13 Face plate
- 14 Thread cutter
- 15 Needle threader
- 16 Needle plate
- 17 Presser foot holder
- 18 Needle clamp
- 19 Needle
- 20 Presser foot
- 21 Extension table
- 22 Carrying handle
- 23 Handwheel
- 24 Power switch
- 25 Machine socket
- 26 Free arm
- 27 Buttonhole lever
- 28 Presser foot lifter

Note : The design and specifications are subject to change without prior notice.









SECTION 2. GETTING READY TO SEW

Extension Table

The extension table provides added sewing surface and can be easily removed for free arm sewing.

Detaching the table:

Pull the table away from the machine.

Attaching the table:

Push the extension table until it snaps into the machine.

•Advantages and uses of free arm sewing:

- Å[Avoid fabric bunching around the needle when bartacking to reinforce pockets, plackets and waistlines.
- Å[For stitching sleeves, waistbands, pant legs or any circular garment area
- Å[For darning socks or mending knees, elbows or areas of wear in children's clothes

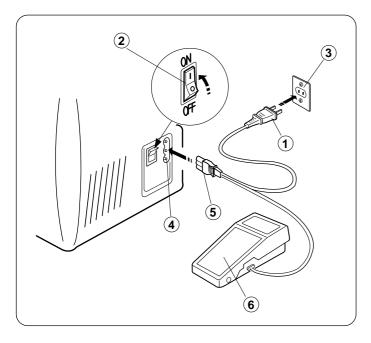
Standard Accessories

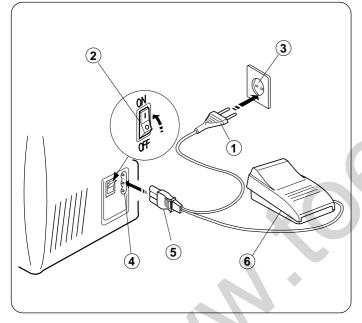
- 1 Zipper foot
- 2 Automatic buttonhole foot
- 3 Hemmer foot
- 4 Bobbins
- 5 Set of needles
- 6 Seam ripper
- **7** screwdriver
- **8** Oil
- (9) Hem guide

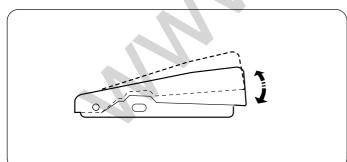
Accessory Storage Box

Sewing accessories are conveniently located in the extension table.

(1) Accessory storage box







Connecting the Machine to the Power Supply

Before connecting the power cord, make sure the voltage and frequency shown on the machine conform to your electrical power.

- 1. Turn off the power switch.
- 2. Insert the machine plug into the machine socket.
- 3. Insert the power supply plug into the outlet .
- 4. Turn on the power switch to turn on the power and sewing light.
 - 1 Power supply plug 2 Power switch
 - (3) Outlet (4) Machine socket
 - (5) Machine plug (6) Foot control

Operating Instruction:

The symbol "0" on a switch indicates the "off" position of a switch. For appliances with a polarized plug

(one blade wider than the other):

To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way.

If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet.

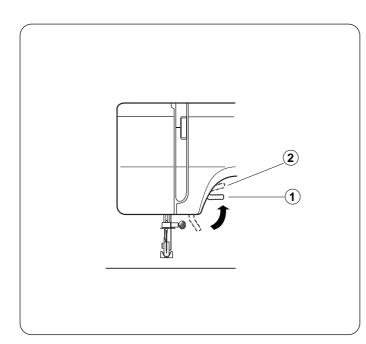
Do not modify the plug in any way.

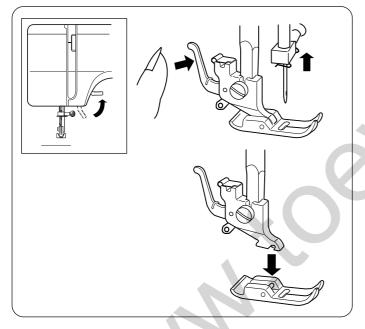
Foot Control Model YC-482J or TJC-150 is used with Sewing Machine Models 419S and 423S. (For U.S.A. market only)

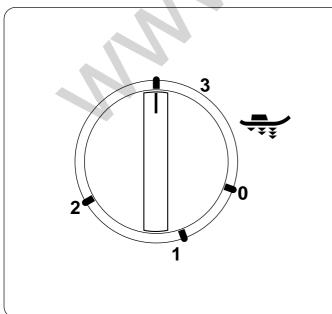
Foot control

Sewing speed can be varied by the foot control. The harder you press on the control, the faster the machine runs.

Caution : Do not place anything on the foot contorol, otherwise the machine will start advertently.







Presser Foot Lifter

The presser foot lifter raises and lowers your presser foot. You can raise it about 0.6 cm (1/4") higher than the normal up position for easy removal of the presser foot or to help you to place heavy fabric under the foot.

- 1 Normal up position
- 2 Highest position

To Attach and Remove the Presser Foot

To remove

Turn the handwheel toward you to raise the needle to its highest position.

Raise the presser foot.

Press the lever on the back of the foot holder. The presser foot will drop off.

To attach

Place the presser foot so the pin on the foot lies just under the groove of the foot holder.

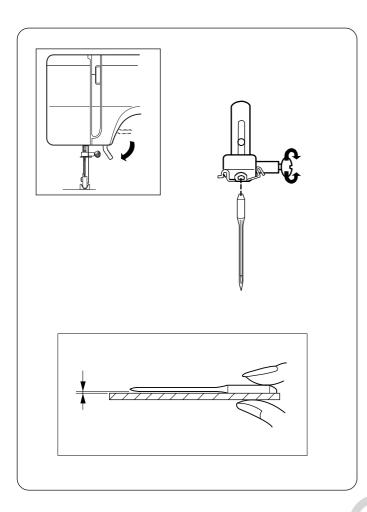
Lower the foot holder to lock the foot in place.

Presser Foot Pressure Adjusting Dial

The Presser foot pressure adjusting dial should be set at **3** for regular sewing.

Reduce the pressure to **2** for applique, cutwork, drawnwork, basting and embroidery for better maneuverability of fabric.

Velours and knit with a lot of stretch may require a 1 setting.



Changing Needle

Raise the needle by turning the handwheel toward you and lower the presser foot.

Loosen the needle clamp screw by turning it counterclockwise. Remove the needle from the clamp.

Insert a new needle into the clamp with the flat side away from you.

When inserting the needle into the clamp, push it up as far as it will go and tighten the clamp screw firmly with the screwdriver.

* Check your needles frequently for barbed or blunted points. Snags and runs in knits, fine silks and silk-like fabrics are permanent and are almost always caused by a damaged needle.

• To check the needle

Place the flat side of the needle on something flat (needle plate, glass etc.). The clearance between the needle and flat surface should be consistent. Never use a bent or blunt needle.

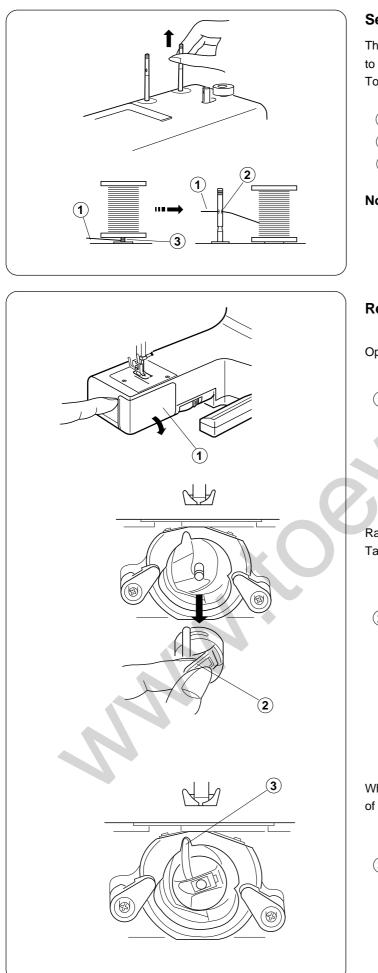
	Fabrics	Thread	Needle Size
Light weight	Crepe de Chine, Voile, Lawn, Organdy, Georgette, Tricot	Fine Silk Fine Cotton Fine Synthetic Fine Cotton Covered Polyester	9/65 or 11/75
Medium weight	Linens, Cotton, Pique, Serge, Double Knits, Percale	50 Silk 50 to 80 Cotton 50 to 60 Synthetic Cotton Covered Polyester	11/75 or 14/90
Heavy weight	Denim, Tweed, Gabardine, Coating, Drapery and Upholstery Fabric	50 Silk 40 to 50 Cotton 40 to 50 Synthetic Cotton Covered Polyester	14/90 16/100

Thread and Needle Chart

- * In general, fine threads and needles are used for sewing thin fabrics, and thicker threads and needles are used for sewing heavy fabrics. Always test thread and needle size on a small piece of fabric which will be used for actual sewing.
- * Use the same thread for needle and bobbin.
- * When sewing stretch, very fine fabrics and synthetics, use a BLUE TIPPED needle.

The blue tipped needle effectively prevents skipped stitches.

* When sewing very fine fabrics, sew over a piece of paper to prevent seam puckering.



Setting Spool Pins

The spool pins are used for holding the spool of thread in order to feed thread to the machine.

To use, pull up the spool pin. Push down for storage.

- 1 Needle thread
- 2 Hole
- 3 Tangle
- **Note :** When using thread which has tendency to tangle around spool pin, thread through the hole of spool pin as shown. The hole should face the thread spool.

Removing or Inserting the Bobbin Case

Open the hook cover.

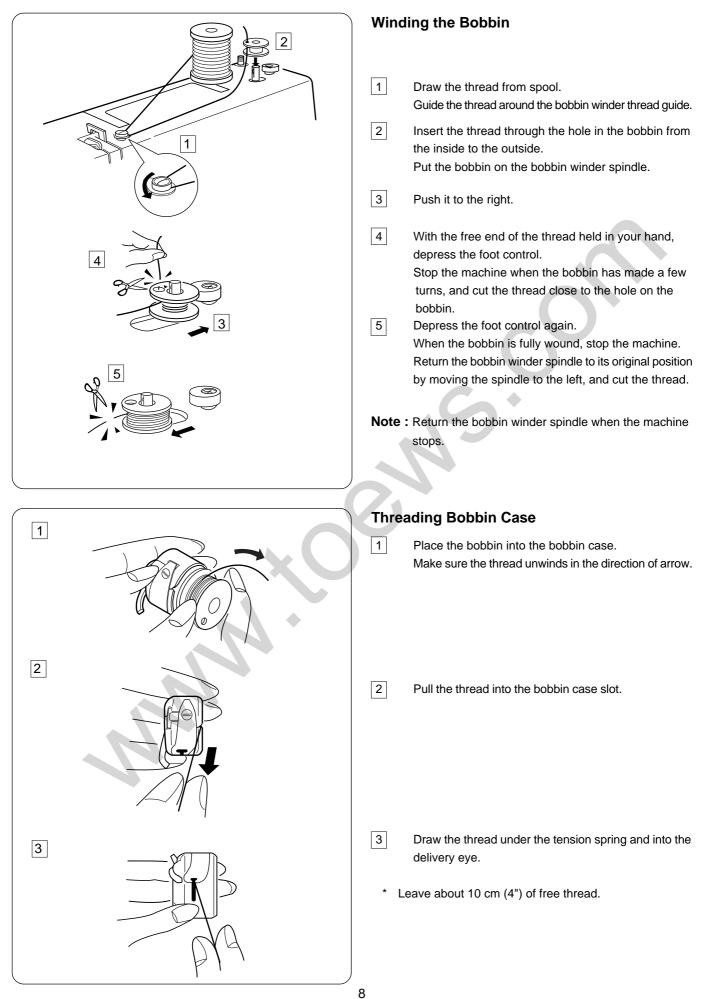
1 Hook cover

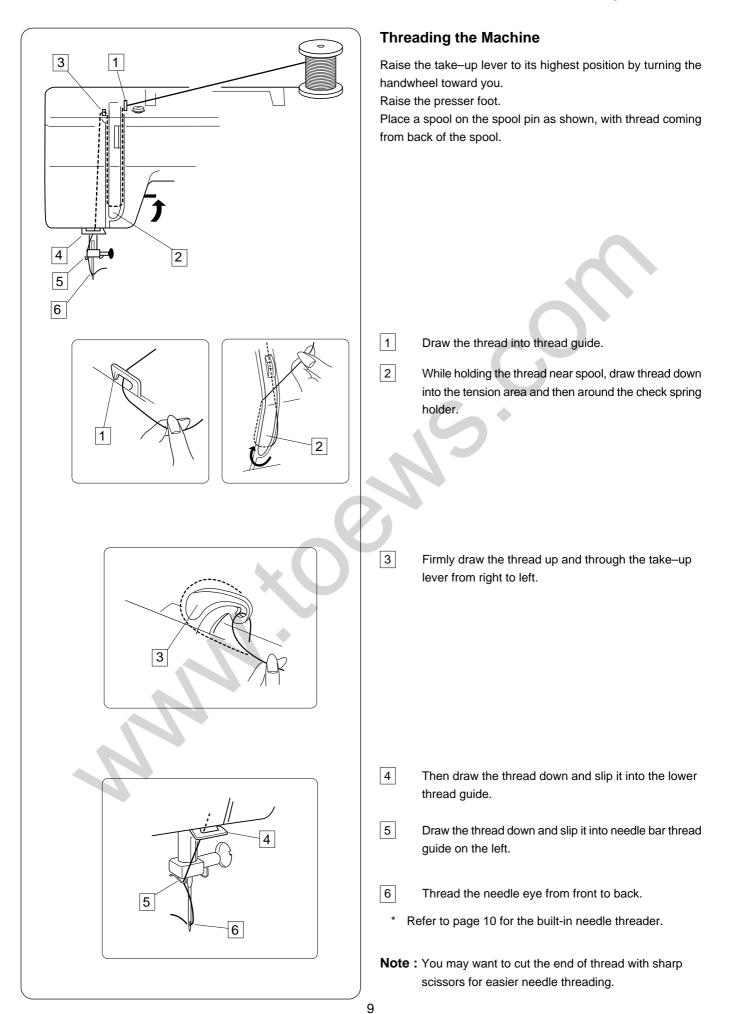
Raise the needle by turning the handwheel toward you. Take out the bobbin case by holding the latch.

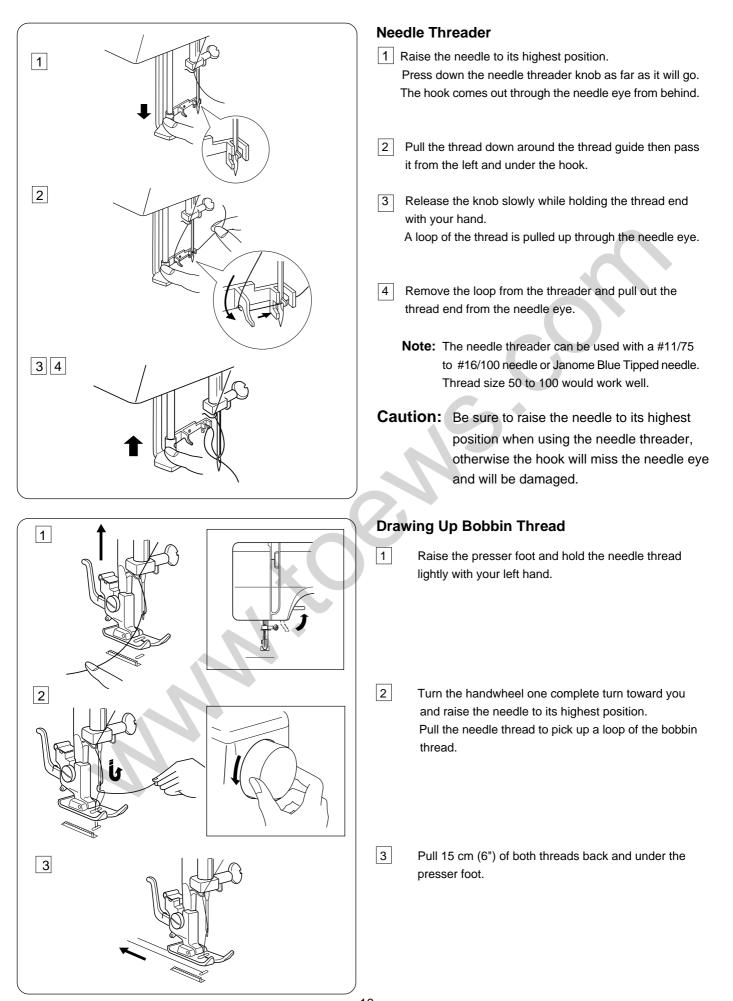
(2) Latch

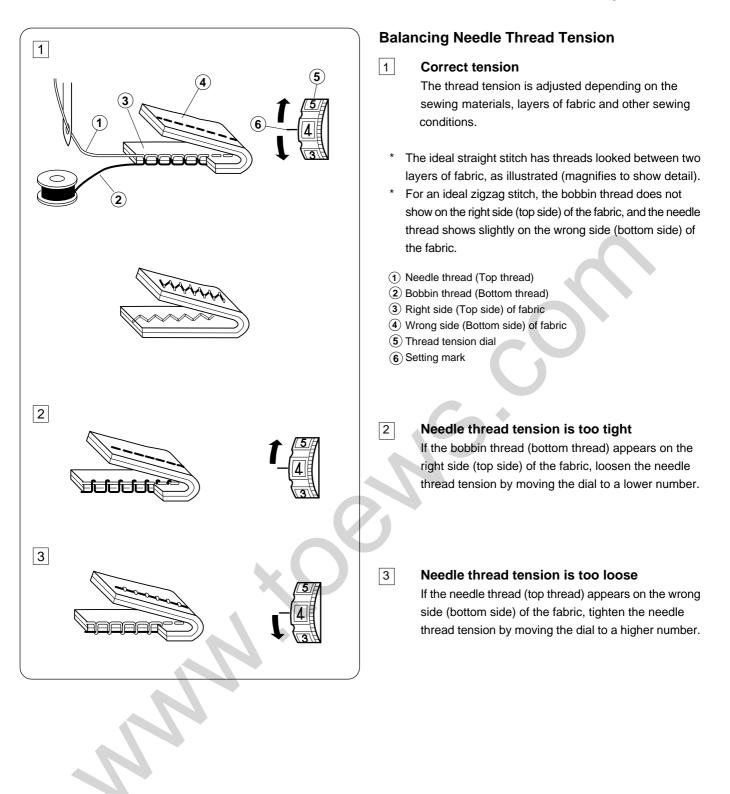
When inserting the bobbin case, place the horn into the recess of the hook race.

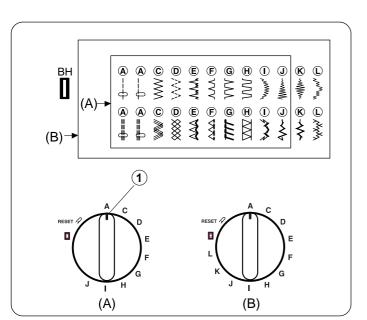
3 Horn

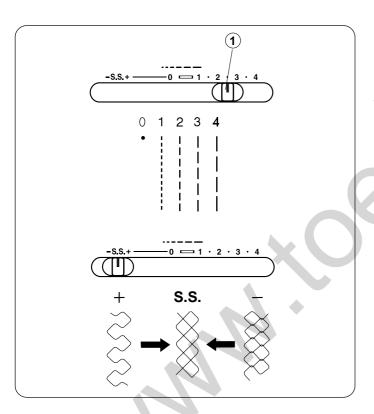


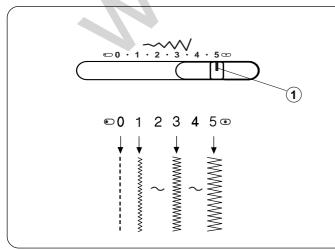












Pattern Selector Dial

Raise the needle and presser foot. Turn the pattern selector dial to set the setting mark at the symbol corresponding to the desired pattern.

- 1 Setting mark
- (A): Model 419S (B): Model 423S

Stitch Length Control

Slide the stitch length control to set the setting mark at the desired stitch length.

The higher the number, the longer the stitch

- 1 Setting mark
- " === " is the recommended setting for buttonhole stitching. Adjust the stitch length control in the 0.5-4 range when you sew the zigzag stitch.
- Set the stitch length control at "S.S." to sew the stretch stitch pattern.
- If the stretch stitch pattern is uneven, slide the stitch length control in the direction of "-" to compress it, or "+" to expand it.

Stitch Width Control

Slide the stitch width control to set the setting mark at the desired stitch width.

The higher the number, the wider the stitch width 1 Setting mark

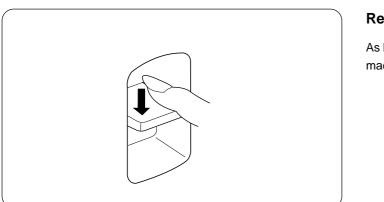
When the stitch width is narrow, the right side of the pattern is cut off.

(Example: Pattern E) -' Width [5] Width [3]

Note : Raise the needle above the fabric, when you slide the stitch width control.

12

1

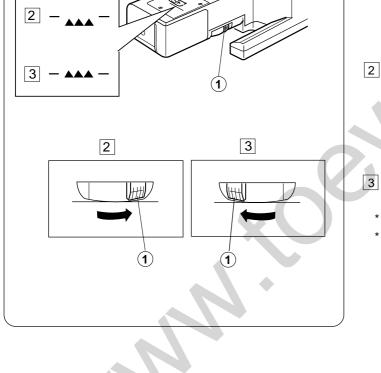


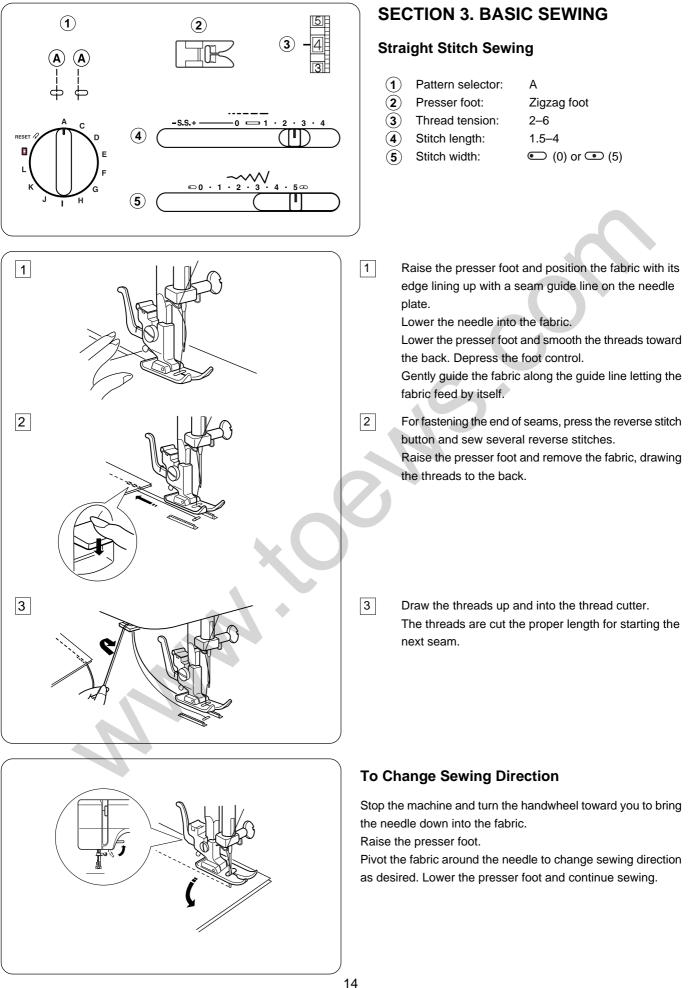
Reverse Stitch Button

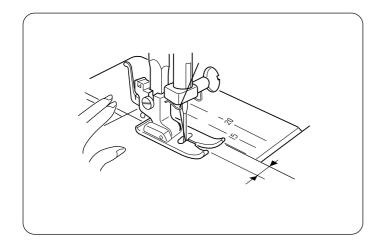
As long as you keep the reverse stitch button depressed, the machine sews backwards.

Dropping the Feed Dog

- 1Remove the extension table.Raise the presser foot.
- 2 To drop the feed dog, push the lever to the right .
 - 1 Drop feed lever
 - To raise the feed dog, push the lever to the left.
 - * The feed dog must be up for normal sewing.
 - * The feed dog will return to the up position when the machine starts running.







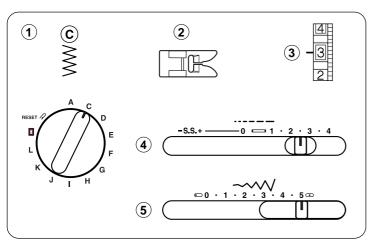
Seam Guides Line

The numbers on the needle plate indicate the distance between the center needle position and the line. The numbers in front are millimeters. The numbers in back are fractions of an inch.

 $\bigcirc 0 \ 1 \ 2 \ 3 \ 4 \ 5 \odot$

Variable Needle Position

When the straight stitch (pattern A) is selected, you can move the needle drop position between center and left by sliding the stitch width control.



Zigzag Stitching

(2)

(3)

(4)

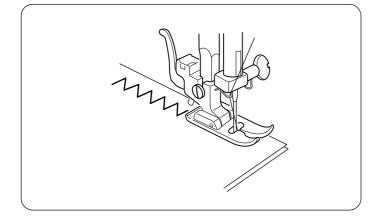
- (1) Pattern selector: C
 - Presser foot: Zigzag foot

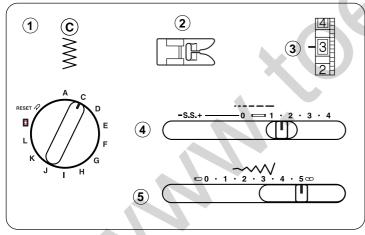
2–5

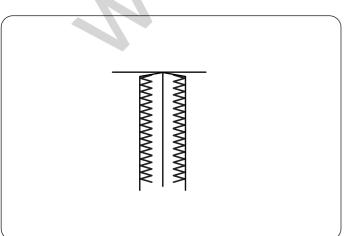
5

0.5-4

- Thread tension:
- Stitch length:
- 5 Stitch width:
- Simple zigzag stitching is widely used for overcasting, sewing on buttons etc.





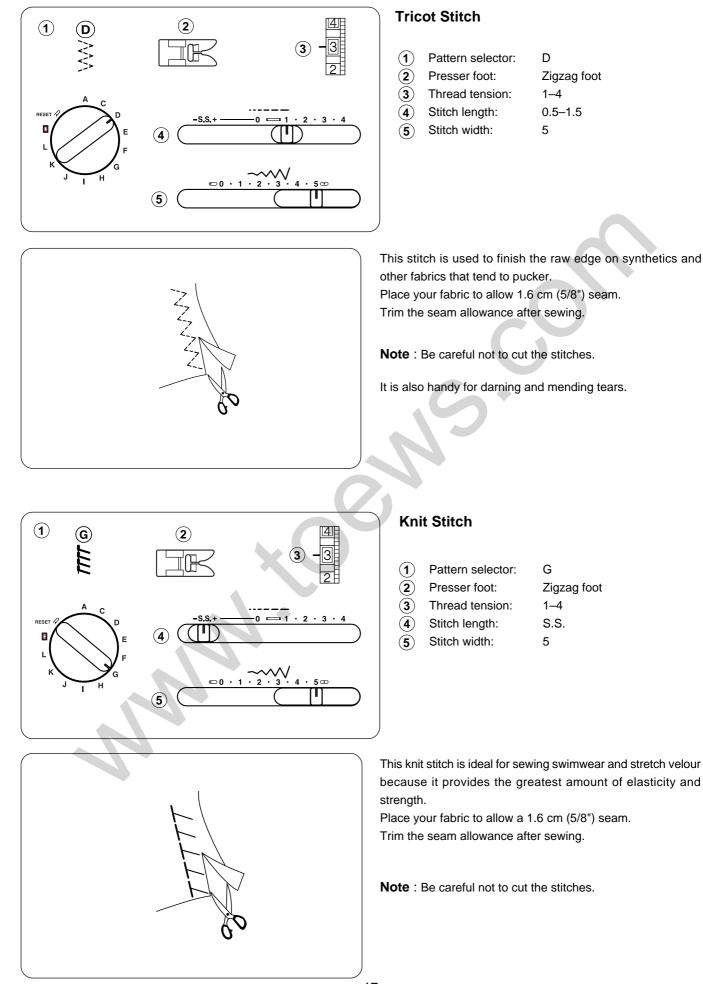


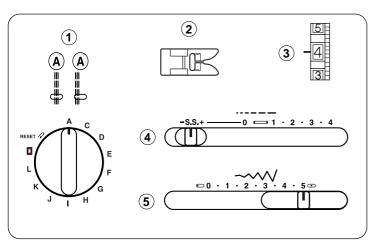
SECTION 4. UTILITY STITCHING

Overcasting

1	Pattern selector:	С
2	Presser foot:	Zigzag foot
3	Thread tension:	1—4
4	Stitch length:	1–2
5	Stitch width:	5

The zigzag stitch is used on the seam allowance to prevent fabric from fraying at raw edges.





Straight Stretch Stitch

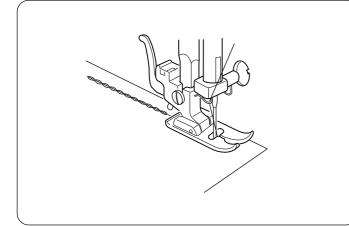
1	Pattern selector:	
---	-------------------	--

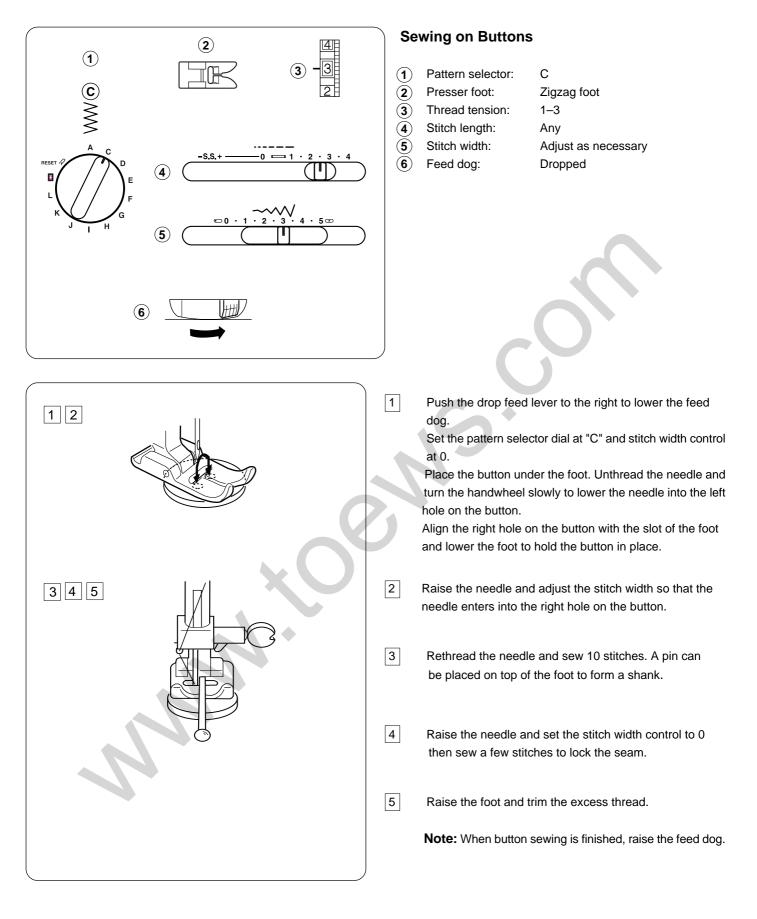
(3)

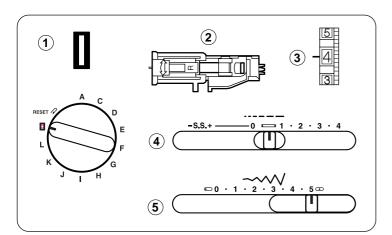
- (2) Presser foot: Zigzag foot
 - Thread tension: 2–6
 - S.S.

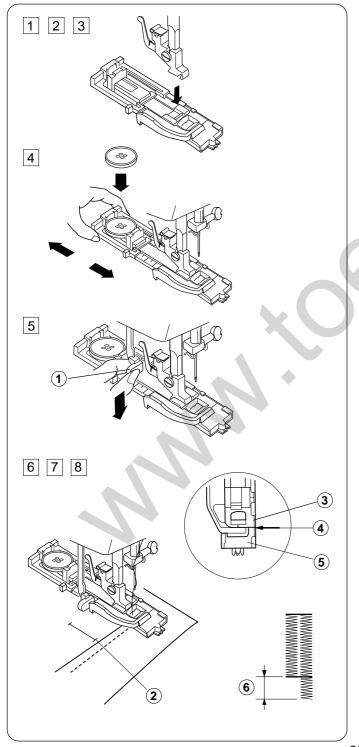
А

- Stitch length: (4) Stitch width: • (0) or • (5) (5)
- The stitch is sewn with two stitches forward and one stitch backward forming a seam that does not rip easily.









Buttonhole

- (1) Pattern selector:
- 2 Presser foot:
- 3 Thread tension:
- (4) Stitch length:
- 5 Stitch width:

* The size of buttonhole is automatically set by placing the button in the automatic buttonhole foot.

П

- * The button holder of the foot takes a button size up to 2.5 cm (1") in diameter.
- * Make a test buttonhole on a sample duplicating the fabric, interfacing and seams of the actual garment.
- * Place the button on the fabric sample and mark the top and bottom to determine the position of buttonhole.
- * Use interfacing on stretch fabrics.
- 1 Turn the handwheel toward you to raise the needle to its highest position.

Raise the presser foot lifter.

2 Select the pattern "BH" by turning the pattern selector dial.

If the BH pattern is already selected, reset the dial once according to the procedure in $\boxed{12}$.

- Attach the automatic buttonhole foot.
- Pull the button holder to the back, and place the button in it. Push back the button holder toward you as far as it will go.
- 5 Pull the buttonhole lever downward as far as it will go.(1) Buttonhole lever
- 6 Insert fabric under the foot.

3

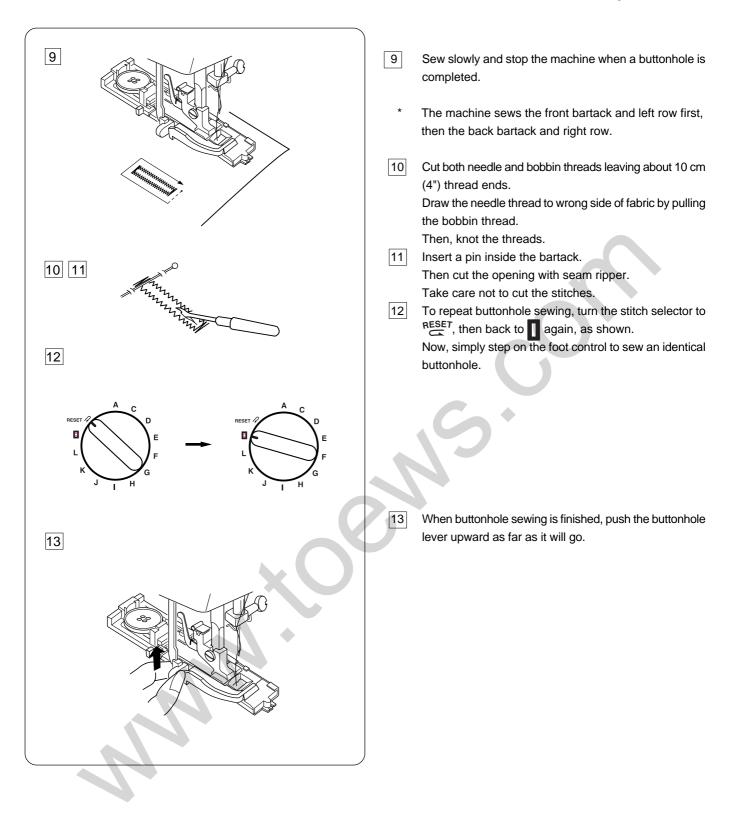
4

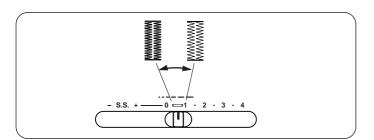
Turn the handwheel slowly towards you with your right hand until the needle goes down and continue turning handwheel until the take-up lever is at its highest position.

- 7 Remove the fabric to the left to draw both threads to the left.
- 8 Insert the garment under the foot, and lower the needle at the starting point.

Then lower the automatic buttonhole foot.

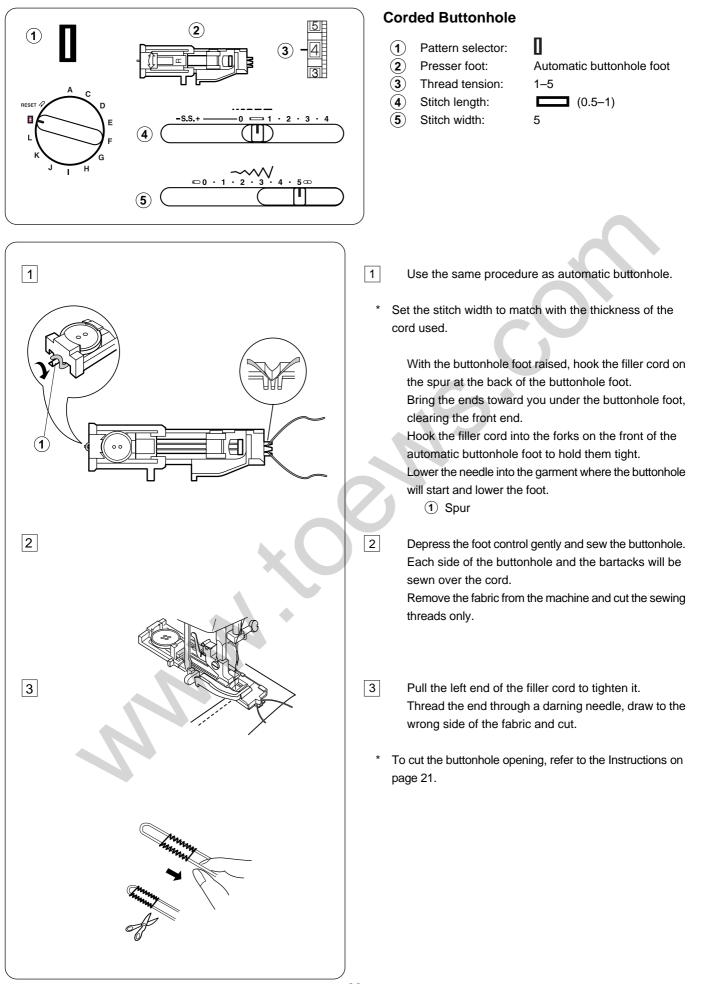
- **Note :** Make sure there is no gap between the slider and the spring holder. If there is a gap, the length of the rows will be different, as shown.
 - (2) Starting point
 - (3) Slider
 - (4) There should be no gap
 - (5) Spring holder
 - (6) Difference

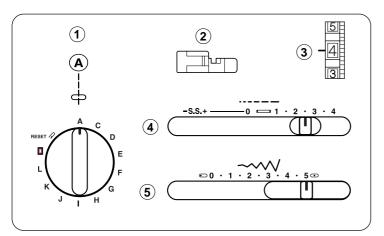




• To adjust buttonhole stitch density.

Set the stitch length control between 0.5 and 1.0 to adjust the buttonhole stitch density.





Zipper Application

(2)

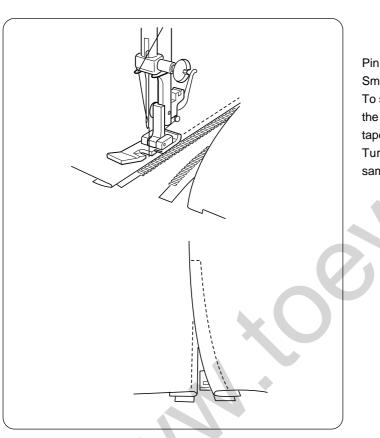
(3)

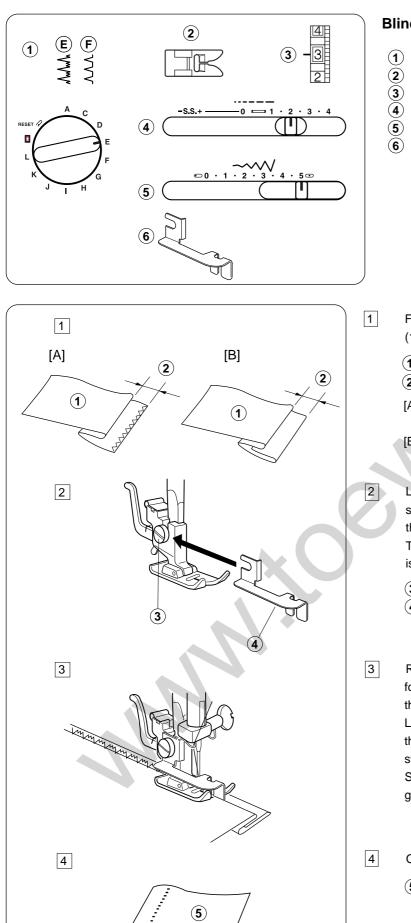
(4)

- Presser foot: Zipper foot
- Thread tension: 3-6
- Stitch length: 1.5 4
- (5) Stitch width: (5)

Pin or baste zipper tape to fabric and place it under the foot. Smooth the threads toward the back and lower the foot. To sew the left side of the zipper, guide the zipper teeth along the edge of the foot and stitch through the garment and zipper tape.

Turn the fabric and sew the other side of the zipper in the same way as you did the left side.





Blind Stitch Hemming

- 1) Pattern selector: E or F
 - Presser foot: Zigzag foot
 - Thread tension: 2-4
 - 1–3
 - Stitch length: 1-Stitch width: 5
- B) Hem guide

- Fold up the hem and fold it back to from a 0.4 to 0.7cm (1/4") allowance as illustrated.
- (1) Wrong side of the fabric
- 2 0.4 to 0.7 cm (1/4")
- [A] Heavy weight fabrics (The raw edge should be overcast.)
- [B] Fine or medium weight fabrics

Lower the presser foot, then loosen the foot holder screw to place the hem guide between the screw and the shank of foot holder.

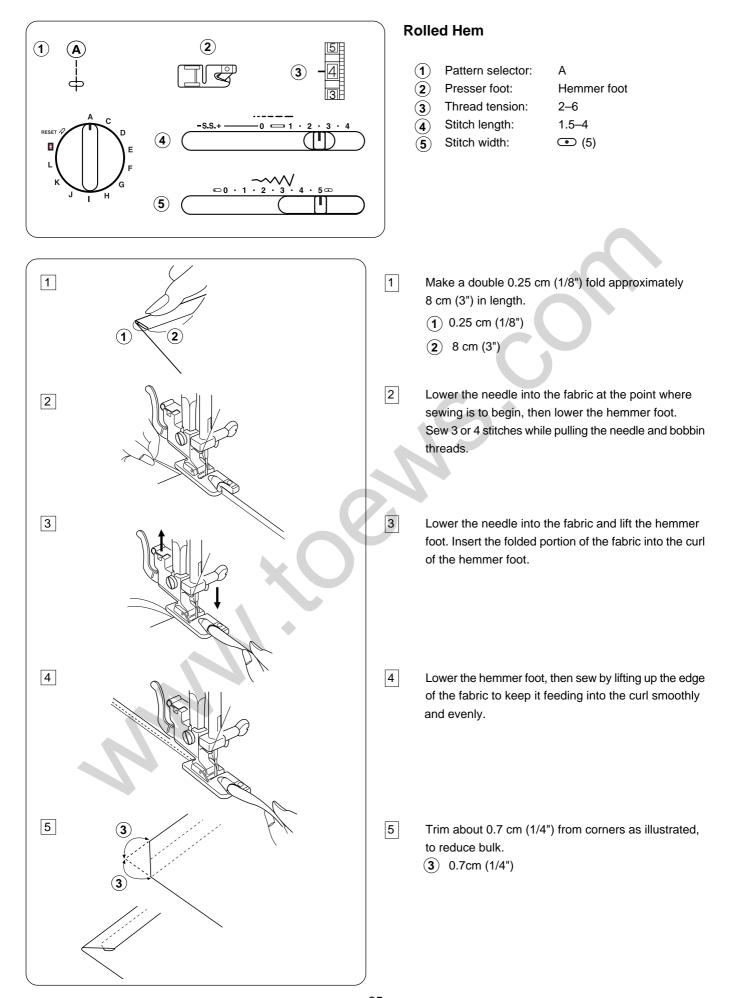
Tighten the screw making sure the wall of hem guide is placed between the toes of the presser foot.

- 3 Screw
- (4) Hem guide
- Raise the presser foot and place the fabric under the foot so that the folded edge rests against the wall of the hem guide.

Lower the foot, then stitch slowly for better control so that the needle just pierces the folded edge when it swings to the extreme left side.

Sew guiding the folded edge along the wall of the hem guide.

- Open the fold flat.
 - (5) Right side of the fabric
 - * If the needle drops far left, the stitches will show on the right side of the fabric.



(2) $(\mathbf{1})$ (\mathbf{G}) (3 RESE 0 - 1 (4) (5)

SECTION 5. DECORATIVE STITCHING

Shell Tuck

(2)

(3)

(4)

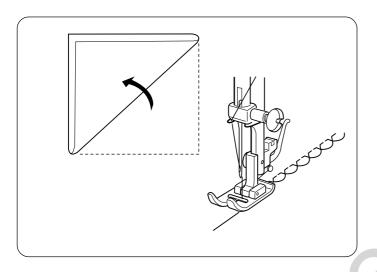
(1)	Pattern selector:	G

- Presser foot: Zigzag foot
 - Thread tension: 6–8
 - Stitch length: 2–3
- Stitch width: (5)

Fold the fablic in bias.

Place the folded edge along the slot of foot. The needle should fall off the edge of the fabric on the right forming tucks.

5



 \odot

1

RESE

EF

Š

(2

(4)

5

G H (K) (L) → → → →

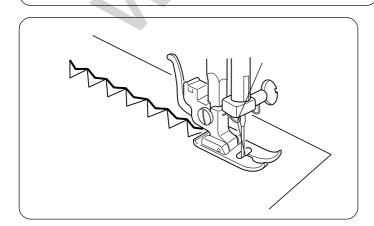
XXXX (

3

4

Stretch Stitch Patterns

- 1 Pattern selector: A–J (Model 419S) A-L (Model 423S)
- (2) Presser foot:
- (3) Thread tension:
- 1-4 (4) Stitch length:
- S.S. **(5)** Stitch width: 5



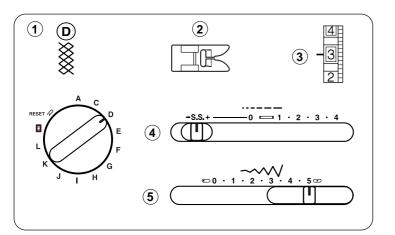
If forward and reverse feeds become unbalanced due to the type of fabric, adjust the balance by slide the stitch length control as follows:

Zigzag foot

If patterns are compressed, slide the stitch length control toward " + ".

If patterns are drawn, slide the stitch length control toward " – ".

(See page 12)



Smocking

(2)

(3)

(4)

1 Patt	ern selector:	D
--------	---------------	---

- Presser foot: Zigzag foot
- Thread tension: 1–4
- Stitch length: S.S.
- (5) Stitch width: 5

With the stitch length at "4", sew straight stitching lines 1 cm (3/8") apart, across the area to be smocked.

Note : Loosen the needle thread tension to make gathering easier.

Knot the threads along one edge. Pull the bobbin threads and distribute the gathers evenly.

Secure the threads at the other end.

Sew the decorative stitch pattern between the gathering stitches.

Pull out the gathering stitches.

1 cm (3/8")

Box Stitching

(2)

(4)

- 1 Pattern selector:
 - Presser foot: Zigzag foot
- (3) Thread tension:
 - Stitch length: 0.5–2

Н

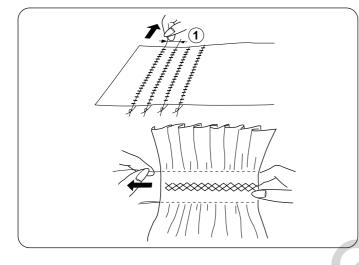
1–4

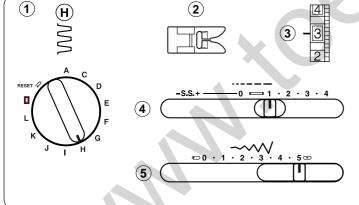
5

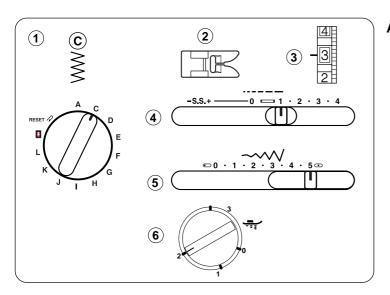
5 Stitch width:

Use this stitch to join heavy weight fabrics.

Overlap two raw edges together and use this stitch to join them.







Applique

(2)

3

(4)

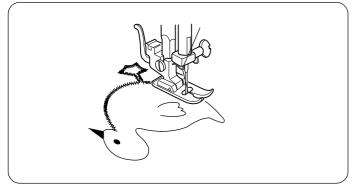
(5)

- 1 Pattern selector:
 - Presser foot: Zigzag foot
 - Thread tension: 1–4
 - Stitch length: 0.5–1
 - 5

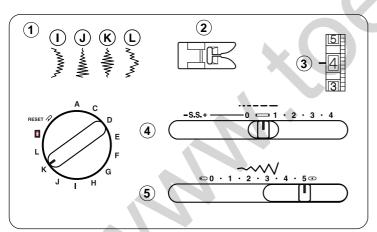
С

6 Presser dial: 2

Stitch width:



Baste (or fuse with iron-on fabric joiner) applique pieces on the fabric. Stitch around the applique making sure the needle falls along the outer edge of the applique. When sewing corners, lower the needle down into the fabric. Raise the presser foot and pivot fabric to the right or left.



Decorative Satin Stitch Patterns

- 1 Pattern selector: I–J (Model 419S)
 - Presser foot:
- $(\mathbf{3})$ Thread tension:

(2)

- (4) Stitch length: 0.5–1
- **5** Stitch width: 3–5

 Satin stitches are used for decorative stitches on blankets, linens, tableclothes and napkins. It is also especially attractive in applique.

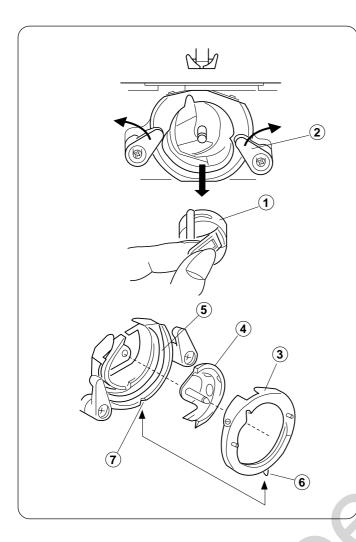
I-L (Model 423S)

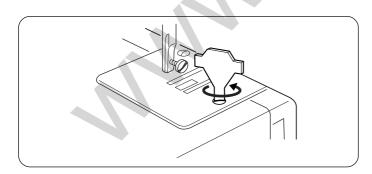
Zigzag foot

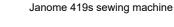
2–5

Note: Use tear-away stabilizer under fabric.

Sew a row of stitches and adjust the thread tension so the needle thread appears on the reverse side of the fabric. Test the stitch on a sample of the actual fabric first.







SECTION 6. CARE OF YOUR MACHINE

Dismantling and Assembling Hook Race Unit

Note : Turn off the power switch and/or unplug the machine.

To dismantle hook race unit:

Raise the needle to its highest position and open the hook cover. Open the hinged latch of bobbin case and take it out of the machine.

Open the hook race ring holders and remove the hook race ring. Remove the hook.

- * Clean the hook race with a brush and a soft dry cloth.
- 1 Bobbin case
- (2) Hook race ring holder
- (3) Hook race ring
- (4) Hook
- 5 Hook race

To assemble hook race unit:

Hold the hook by the center pin and fit it carefully back into the hook race, forming a perfect circle with the shuttle driver.

Attach the hook race ring making sure the bottom pin fits into the notch.

Lock the hook race ring by turning the holders back into position. Insert the bobbin case.

- 6 Pin
- 7 Notch

Cleaning the Feed Dog

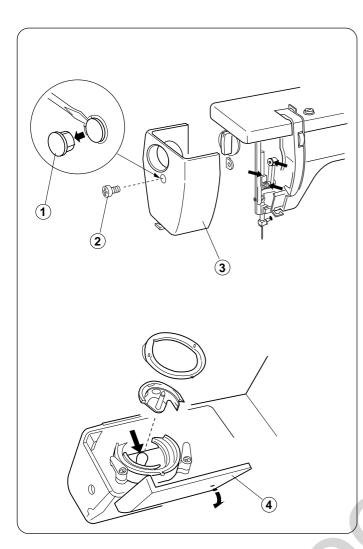
Note : Turn off the power switch and/or unplug the machine before cleaning the feed dog.

Remove the needle and the presser foot.

Remove the needle plate set screw and remove the needle plate.

With a brush, clean out dust and lint clogging on the feed dog teeth.

Reset the needle plate.



Oiling the Machine

Note:Turn off the power switch when oiling the machine. Oil the points as shown at least once a year.

Use good quality sewing machine oil.

One or two drops of oil is sufficient.

Wipe off excess oil, otherwise it may stain fabric.

If machine has not been used for an extended time, oil it before sewing.

• Oiling behind the face plate

Remove the cap,screw and face plate. Oil the points indicated in the illustration.

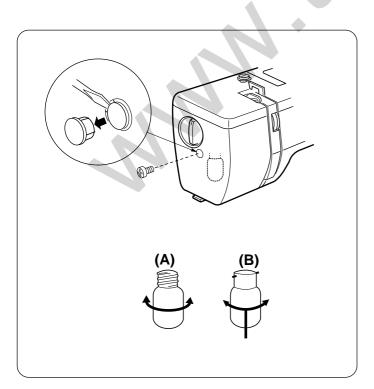
- 1 Cap
- (2) Screw
- 3 Face plate

• Oiling the shuttle hook area

Open the hook cover.

Oil the point indicated in the illustration.

(4) Hook cover



Sewing Light

The sewing light is located behind the face plate.

To change the bulb, take the face plate off the sewing machine by removing the setscrew.

- * Unplug the power supply before changing the bulb.
- * Do not dismantle the machine other than explained in this manual.
- (A) To remove Turn to the left.
 - To replace Turn to the right.
- (B) To remove Push and twist to the left.
 - To replace Push and twist to the right.

Warning : The bulb could be HOT. Protect your fingers when handling it.

Troubleshooting

Condition	Cause	Reference
The needle thread	1. The needle thread is not threaded properly.	See Page 9
breaks.	2. The needle thread tension is too tight.	See Page 11
	3. The needle is bent or blunt.	See Page 6
	4. The needle is incorrectly inserted.	See Page 6
	5. The fabric is not being drawn to the back when sewing is finished.	See Page 14
	6. The thread is either too heavy or too fine for the needle.	See Page 6
The bobbin thread	1. The bobbin thread is not threaded properly in the bobbin case.	See Page 8
breaks.	2. Lint has collected in the bobbin case.	Clean the bobbin cas
	3. The bobbin is damaged and doesn't turn smoothly.	Exchange bobbir
The needle breaks.	1. The needle is incorrectly inserted.	See Page 6
	2. The needle is bent or blunt.	See Page 6
	3. The needle clamp screw is loose.	See Page 6
	4. The tension of the needle thread is too tight.	See Page 11
	5. The fabric is not drawn to the back when sewing is finished.	See Page 14
	6. The needle is too fine for the fabric being sewn.	See Page 6
	7. The pattern selector dial had been turned while the needle was in the material.	See Page 12
Skipped stitches	1. The needle is incorrectly inserted.	See Page 6
	2. The needle is bent or blunt.	See Page 6
	The needle and/or threads are not suitable for the work being sewn.	See Page 6
	4. A BLUE TIPPED needle is not being used for sewing stretch, very fine fabrics and synthetics.	See Page 6
	5. The needle thread is not threaded properly.	See Page 9
Seam puckering	1. The needle thread tension is too tight.	See Page 11
	2. The machine is not threaded correctly.	See Page 9
	3. The needle is too heavy for the fabric being sewn.	See Page 6
	4. The stitches are too coarse for the fabric being sewn.	Make the
	* When sewing extremely light weight materials, place a sheet	stitches denser.
	of paper underneath the fabric.	
Stitches form loops	1. The needle thread tension is too loose.	See Page 11
below the work	2. The needle is either too heavy or too fine for the thread.	See Page 6
The cloth is not	1. The feed dog is packed with lint.	See Page 29
feeding smoothly.	2. The stitches are too fine.	Make the
		stitches coarser
The machine does not	1. The machine is not plugged in.	See Page 4
work.	2. Thread is caught in the hook race.	See Page 29
The machine does not	1. Threads have been caught in hook mechanism.	See page 29
	2. The feed dog is packed with lint.	

icens con

Printed in Taiwan 303-800-051