Important safety instructions

When using an electrical appliance, basic safety should always be followed, including the following:

Read all instructions before using this sewing machine.

DANGER - To reduce the risk of electric shock:

- 1. An appliance should never be left unattended when plugged in.
- 2. Always unplug this appliance from the electric outlet immediately after using and before cleaning.

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

- 1. Read the instruction carefully before you use the machine.
- 2. Keep the instructions at a suitable place close to the machine and hand it over if you give the machine to a third party.
- 3. Use the machine only in dry locations.
- 4. Never leave the machine unattended with children or elderly people due to they may not be able to estimate the risk.
- 5. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- 6. Children shall not play with the appliance.
- 7. Cleaning and user maintenance shall not be made by children without supervision.
- 8. Always switch off the machine if you carry out preparation for work (change the needle, feed the yarn through the machine, change the footer, etc.).
- 9. Always unplug the machine if you leave it unattended, to avoid injury by expediently switch on the machine.
- 10. Always unplug the machine if you changing the lamp or carry out maintenance (oiling, cleaning).
- 11. Don't use the machine if it's wet or in humid environment.
- 12. Never pull at the cord, always unplug the machine by gripping the plug.
- 13. If the LED lamp is damaged or broken, it must be replaced by the manufacturer or its service agent or a similarly qualified person, in order to avoid a hazard.

- 14. Never place anything on the pedal.
- 15. Never use the machine if the air vents are blocked, keep the air vents of the machine and the foot pedal free from dust, fusel and leftovers.
- 16. The machine may only be used with foot pedal type C-8001.
- 17. The sound pressure level at normal operation is smaller than 75dB(A).
- 18. Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
- 19. Contact your local government for information regarding the collection systems available.
- 20. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- 21. When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least for free of charge.
- 22. The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction. (For outside Europe)
- 23. Children being supervised not to play with the appliance. (For outside Europe)

SAVE THESE INSTRUCTIONS

This sewing machine is intended for household use only.

Be sure to use the sewing machine in the temperature range from 5°C to 40°C. If the temperature is excessively low, the machine can fail to operate normally.

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Machine Introduction



Principal parts of the machine







- 1. Take-up lever
- 2. Presser foot pressure dial
- 3. Auto-lock button
- 4. Thread cutter button
- 5. Reverse button
- 6. Start/ stop button
- 7. Thread cutter
- 8. Sewing table and accessory box
- 9. Drop feed lever
- 10. Needle up/ down position button
- 11. Group switch button
- 12. Bobbin winder spindle
- 13. Bobbin winder stopper
- 14. Screen
- 15. Speed adjustment slider
- 16. Stitch adjustment button
- 17. Value setting buttons
- 18. Status indicator
- 19. Quick reference plate
- 20. Buttonhole lever
- 21. Needle threader
- 22. Needle plate
- 23. Needle clamp screw
- 24. Presser foot
- 25. Bobbin cover
- 26. Horizontal spool pin
- 27. Second spool pin hole
- 28. Handwheel
- 29. Main power switch
- 30. Power cord
- 31. Foot control connector
- 32. Bobbin thread guide
- 33. Upper thread guide
- 34. Handle
- 35. Thread cutter
- 36. Presser foot lifter
- 37. Embroidery unit

Accessories



Accessories are stored inside the accessory box

Standard

- 1. All purpose foot
- 2. Zipper foot
- 3. Buttonhole foot
- Satin stitch foot 4
- 5. Button sewing foot
- 6. Blind hem foot
- 7. Overcasting foot
- 8. Darning/ Embroidery foot
- 9. Bobbin (3x)
- 10. Edge/ quilting guide
- 11. Spool holder (Large)
- 12. Spool holder (Small)
- 13. Spool pin felt
- 14. Second spool pin
- 15. Pack of needles
- 16. L-screwdriver
- 17. Screwdriver
- 18. Seam ripper/ brush
- 19. Thread net
- 20. Embroidery set (120*180mm)
- 21. Embroidery set (50*70mm)
- 22. DVD
- 23. Straight stitch plate







Optional

- 24. Hemmer foot
- 25. Cording foot
- 26. Quilting foot
- 27. Adjustable guide foot
- 28. Gathering foot
- 29. Walking foot

To purchase optional accessories, please consult your local dealer for further information.

Connecting machine to power source





Attention

Always make sure that the machine is unplugged from power source and the main switch is off ("O"). when the machine is not in use and before inserting or removing parts.

Before connecting the power supply, make sure that the voltage shown on the rating plate is conforming with your main power.

Put the machine on a stable table.

- 1. Connect the machine to a power source as illustrated.
- 2. Turn the power switch to on ("I").

The sewing lamp will light up when the switch is turned on.

Polarized plug information

This appliance has a polarized plug (one blade is wider than the other), to reduce the risk of electrical shock; this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not modify the plug in any way.

Foot control (In sewing mode)

When the machine is off, insert the foot control plug into its connector on the machine.

Turn on the machine, and then slowly press down the foot control to start sewing. Release the foot control to stop the machine.

User can quickly kick one step on the foot control to change the needle position and set the stop position at the same time.

Attention

Foot control will be disabled in embroidery mode.

Note

Consult a qualified electrician if in doubt as to connect the machine to the power source.



Display instruction

Screen



Operation mode

Screen	In general	Embroidery mode	Page
58	Winding the bobbin Bobbin winder spindle is on the right for bobbin winding. Push the spindle to the left for sewing. Please refer to "Winding the bobbin" chapter for more information.	-	10-12
61	-	The machine is connecting to the WiFi router The WiFi light keeps flashing until it successfully connects to the base station (screen shows "Eb"). Please refer to "Starting the connection" chapter for more information.	76
99	-	Machine is in point-to-point (PP) mode The WiFi light keeps flashing until the setup is ready (screen shows "Eb"). Please refer to "Starting the connection" chapter for more information.	73
82	-	Machine is in Access Point (AP) mode For the first-time setting, Please refer to "Starting the connection" chapter to complete the internet setting.	75
88	_	Machine can be connected to APP Please refer to "Starting the connection" chapter to complete the internet setting.	73

Error messages Screen In general Embroiderv mode Page Upper thread error The upper thread is broken or running out soon. Please change 88 13-15 and re-threading the upper thread. Please refer to "Threading the upper thread" chapter for more information. Lower thread error The lower thread is broken or almost running out, please change 88 10-12 and refill the lower thread. Please refer to "Winding the bobbin" and "Inserting the bobbin" chapters for more information. The presser foot is not raised Please raise the presser foot, and F then press the auto-lock button to 74 resume. Please refer to "Starting the connection" chapter for more information. Embroidery hoop is not removed Please remove the embroidery 82 74 hoop and then press the auto-lock button to resume. Please refer to "Starting the connection" chapter for more information. Straight stitch plate is not installed Please replace the straight stitch EE 74 plate and then press the auto-lock button to resume. Please refer to "Replacing the needle plate" chapter for more information. Motor overload protection EL The motor is overloaded due to the 85 iammed threads or the fabrics are too thick to be penetrated.

If the problem is still not solved, please contact your local dealer.

Status Indicator



Display	In general	Sewing mode	Embroidery mode
Green	When the upper thread breaks, the motor will stop. Green light will flash 3 times then back resume to constantly bright status. When remaining amount	Constantly bright: Machine is ready to sew; press the start/ stop button to start sewing immediately.	Constantly bright: Machine is ready to embroider ; press the start/ stop button to start embroidering immediately.
	of bobbin thread is low, the motor will stop. Green light will flash 3 times then back resume to constantly bright status.		
Yellow	-	Machine is not able to sew.	Machine is not able to sew.
Red	Motor is overloaded or the shaft locked down.		
	Once the problem solved, the lighting will resume to previous condition.	_	-



Machine Settings



Sewing table



Hold the sewing table horizontally, then pull toward the left to remove it from the machine.

Attach the sewing table, and then push it to the right.



The inside space of the sewing table is used as an accessory box.



Free arm

Free-arm sewing is convenient for sewing tubular areas such as pant hems and cuffs.

Two-step presser foot lifter



The presser foot lifter is to raise or lower your presser foot.

When sewing multi-layers or thick fabrics, the presser foot can be further raised up manually to allow enough space for your sewing work.

Note

The needle must always be at the highest position.

Using the thread net



Note

In order to prevent tangling of the thread, please use a thread net. The net is especially usefull when using large or loose wound spools.

When using special threads which spin quickly off the thread spool, attach a net to the spool before using.

If the net is too long, cut the thread net to match the size of the spool.

Thread net
Thread

Winding the bobbin

Please following the number order and see the corresponding illustrations below.









6. Hold the thread tail securely in one hand.

- 7. Step on the foot control (only in the sewing mode) or press the start/ stop button to start winding the bobbin.
- 8. After the bobbin has wound a few rounds, stop the machine and cut the thread near the hole of the bobbin. Continue filling the bobbin until it is full. Once the bobbin is full, it rotates slowly. Release the foot control or press the start/ stop button to stop the machine, then push the bobbin winder spindle to the left.





Note

Use a bobbin that has been correctly wound with thread, otherwise the needle may break or the thread tension will be incorrect.

9. Cut the thread and then remove the bobbin.

Note

When the bobbin winder spindle is pushed to the right position, it's in "bobbin winding" mode and the machine is not allowed to sew and the handwheel will not be able to turn. To start sewing, push the bobbin winder spindle back to the left.

Inserting the bobbin





Turn the power switch to off ("O") before inserting or removing the bobbin.

When inserting or removing the bobbin, the needle and the presser foot must be fully raised.

Open the bobbin cover by pushing the release button to the right.

1 Release button

Insert the bobbin in the bobbin case with the thread running in a counter-clockwise direction (arrow).

Pull the thread through the slit (A).



With a finger hold gently on top of the bobbin, please follow the arrow markings and draw the thread into the bobbin thread guide.



To cut off excessive thread, pull it to the cutter at point (B).

Close the bobbin cover.

Threading the upper thread

Please following the number order and see the corresponding illustrations below. It is important to carry out the threading correctly to get a quality sewing. Otherwise several problems will occur.



1 Large spool holder

thread.

for the thread and attach it next to to the

2 Small spool holder





- 4. Draw the thread from the spool and place the thread in between the upper thread guide.
- 5. Guide the thread ahead and pull the thread through the pre-tension spring as illustrated.
- 6. Continue to guide the thread into the silver discs to keep the thread in proper tension.

7. Pass the thread under the take-up spring then pull it upwards as arrow marks illustrated.

- 8. Pull the thread to the top then pass the thread through the slotted eye of the take-up lever. Guide the thread down afterwards.
- 9. Pass the thread behind the flat, horizontal thread guide.

Use the needle threader to thread the needle.



















- 10. Lower the presser foot lifter.
- 11. Pull down the lever to the very bottom. When heard a "click" sound, it will be on the right position to do the needle threading and the hook pin passes through the needle eye.
 - 1 Lever
 - 2 Hook pin
 - ③ Needle
- 12. Pass the thread around the thread guide. Take the thread in front of the needle and make sure it is under the hook pin.
 - 1 Thread guide
 - 2 Hook pin
- 13. To cut the excess thread, take thread end and gently slip it over the thread cutter located on the right of the needle.
 - ① Thread cutter
- 14. Raise the lever, the hook will rotate and pass the thread through the needle eye to form a loop.

Pull the thread through the needle eye to finish threading.

Bringing up the bobbin thread

When sewing gathering or smocking stitch, bring up the bobbin thread first as below instruction.



Hold the upper thread with your left hand. Turn the handwheel towards you (counterclockwise) to lower the needle down below the needle plate then raise it to bring the bobbin thread up.

Gently pull on the upper thread to bring the bobbin thread up through the needle plate hole. The bobbin thread will come up in a loop.



Pull both threads to the back under the presser foot.

Replacing the needle

Change the needle regularly, especially when it shows signs of wear or if it causes problems.



Attention

Turn the power switch to off ("O") when carrying out below operations!

Turn the handwheel toward you to raise the needle then loosen the needle clamp screw to remove the needle.

(1) Needle clamp screw

When inserting a new needle, keep the flat side of the shaft to the back.

Push the needle into the clamp until it touches the pin and stops. Then secure it by tightening the needle clamp screw.

(1) Flat side of the shaft (2) Pin



Needles must be in perfect condition.



Problems can occur with:

- (1) Bent needles
- 2 Blunt needles
- ③ Damaged points

Matching needle/ fabric/ thread

NEEDLE SIZE	FABRICS	THREAD
9-11 (70-80)	Lightweight fabrics- thin cottons, voile, serge, silk, muslin, Qiana, interlocks, cotton knits, tricot, jerseys, crepes, woven polyester, shirt & blouse fabrics.	Light-duty thread in cotton, nylon, polyester or cotton wrapped polyester.
11-14 (80-90)	Medium weight fabrics- cotton, satin, kettleclote, sailcloth, double knits, lightweight woolens.	Most threads sold are medium size and suitable for these fabrics and needle sizes.
14 (90)	Medium weight fabrics- cotton duck, woolen, heavier knits, terrycloth, denims.	synthetic materials and cotton on natural woven fabrics for best results.
16 (100)	Heavyweight fabrics- canvas, woolens, outdoor tent and quilted fabrics, denims, upholstery material (light to medium).	top and bottom.
18 (110)	Heavyweight fabrics- Heavy woolens, overcoat fabrics, upholstery fabrics, some leathers and vinyls.	Heavy duty thread, carpet thread.

Note

- 1. In general, fine threads and needles are used for sewing fine fabrics, thicker threads and needles are used for sewing heavy fabrics.
- 2. Always test thread and needle size on a small piece of fabric which will be used for actual sewing.
- 3. Use the same thread for needle and bobbin.
- 4. Use a stabilizer or place a backing for fine or stretchy fabrics, and select the correct presser foot.
- 5. It is recommended that a 90/14 needle should be used when embroidering on heavyweight fabrics or stabilizing products (for example, denim, puffy foam, etc.). A 75/11 needle may bend or break, which could result in injury.
- 6. For transparent nylon thread, always use needle 90/14 100/16. The same thread is usually used for the bobbin thread and upper threading.
- 7. For good quality embroidery designs, use a 75/11 needle when embroidering.

Changing the presser foot









Attention

Turn the power switch to off ("O") when carrying out any of the operations below!

Remove the presser foot

Raise the presser foot lifter. Press the back lever to release the presser foot.

1 Lever

Attach the presser foot

Lower the presser foot lifter until the cut-out meets the pin.

The presser foot will attach to the presser foot holder automatically.

① Cut-out

2 Pin

Remove and insert the presser foot holder

Raise the presser foot lifter. Align the presser foot holder with the lower left side of the presser bar. Hold the presser foot holder, then tighten the screw using the screwdriver.

Presser foot bar
Presser foot holder

Insert the edge/ quilting guide

Insert the edge/ quilting guide in the slot as illustrated. Adjust the needed width according to your sewing applications.

Slot
Edge/ quilting guide

Replacing the needle plate





A Attention

Turn the power switch to off ("O").

Only specific straight stitches are applicable while using straight stitch needle plate. (stitch pattern 01 & 03 & 05)

The straight stitch plate is recommended for embroidery mode for better embroidery quality. It can be also used for straight stitches in middle needle position in normal sewing mode.

The particular design of smaller central hole can give a better support of the fabric during straight stitch sewing.

Thus, the fabric can be prevented from being pulled down into bobbin/ hook area, especially in the beginning/ or end of a seam.



Remove the needle, presser foot and presser foot holder.

Remove the screws on the needle plate then remove the needle plate.

1 Screws



Change the straight stitch plate and tighten the screws.

To raise or drop the feed dogs



(2)

The drop feed lever can be seen on the base at the front side of the sewing machine.

Sliding the drop feed lever to lower or raise the feed dogs. When lever is in raised position, the feed dog will arise automatically when you are sewing.

Drop feed lever
Lowered position

③ Raised position

Note

When you finish the work, (e.g. button sewing, free motion darning, embroidery and monogramming), please move the drop feed lever to raised position for general sewing purpose.

Adjusting the presser foot pressure

1



(3)

The presser foot pressure dial is on the top left of the face plate.

The presser foot pressure of the machine has been pre-set and requires no particular adjustment for general sewing.

Basic presser foot pressure setting: "0".

For sewing with very thin fabric, reduce the pressure by turning the knob clockwise (-1, -2, -3) and for heavy fabric, increase the pressure by turning it counter-clockwise (+1, +2).

Thread tension

Proper tension setting is important for sewing. There is no single tension setting appropriate for all the stitch functions and fabrics.



Basic thread tension setting: "4".

- 1. Press the stitch adjustment button to change to the thread tension mode.
- 2. When the tension light is on, the upper thread tension can be adjusted.



Normal thread tension for straight stitch sewing.

- ① Upper thread
- 2 Bobbin thread
- ③ Surface
- ④ Wrong side



Thread tension is too loose for straight stitch sewing. To increase the tension, press the "+" button.



Thread tension is too tight for straight stitch sewing. To reduce the tension, press the "–" button.



Normal thread tension for zig zag and decorative sewing.

For all decorative sewing you will always obtain a nicer stitch and less fabric puckering.

Correct thread tension is when a small number of the upper thread appears on the bottom side of fabric.



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Instruction



Operation buttons





1. Start/ stop button

The machine will start running when the start/ stop button is pressed and it will stop when this button is pressed again. The machine rotates slowly at the beginning of the sewing.

The sewing speed can be controlled by the speed adjustment slider.

This way you may operate the machine without foot control.



2. Reverse button

When the A group patterns 01-06 are selected, the machine will sew reverse at a low speed if the reverse button is pressed. The machine will sew forward after the button is released.

When the A group patterns 07-19, 28-55 adn B group patterns 01-65 are selected, the machine will immediately sew 3 locking stitches when the reverse button is pressed, then automatically stop.



3. Needle up/ down position button

With the needle up/ down position button, you decide whether the needle stops in the highest or in the lowest position (i.e. in the fabric) when you stop sewing.





4. Tread cutter button

Press this button after finishing sewing and the machine will trim the thread.



5. Auto-lock button

When A group patterns 01-06 are selected and the auto-lock button is pressed, the machine will sew 3 locking stitches. Then it will stop automatically.

Note

When A group patterns 07-19, 28-55 and B group patterns 01-65 are selected and the auto-lock button is pressed, the machine will sew 3 locking stitches at the end of the current pattern. Then it will stop automatically. The function will be cancelled if you press the button once again or select another pattern.



6. Group switch button

Press the group switch button to change to the A group patterns or B group patterns mode.

A group patterns
B group patterns

For details, refer to "stitch chart".



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6.1 Sound button

Buzzer turn off:

In the sewing mode, press the sound button for 2 seconds and when you hear the machine delivering a short beep, the sound will be turned off.

Buzzer turn on:

In the sewing mode, when machine is in silent mode, press the button for 2 seconds and it will deliver two short beeps to remind you that the sound is turned on now.



7. Stitch adjustment button

Press the stitch adjustment button to change to the stitch length, stitch width or thread tension mode.

8. Value setting buttons

The + / - button can modify the values for sewing. (stitch number/ stitch length/ stitch width/ thread tension)



9. Speed adjustment slider

In the sewing mode, the speed adjustment slider can control the sewing speed. To increase the speed, slide the lever to the right. To decrease the sewing speed, slide the lever to the left.

Selecting stitch



Select the desired stitch from those shown on the stitch pattern plate.

- 1. Press the group switch button to change to the A group patterns or B group patterns mode.
- When the group pattern light is on, the + / buttons can be used to select the pattern number needed; press the "+" button to select the next pattern number and press the "-" button to select the previous pattern number.

When the + / - button is pressed and held down, the numbers will change continuously for quick selection.

Altering the stitch length & width



Altering the stitch length

When you select a stitch, the machine will automatically set the recommended stitch length values which will be shown on the LED screen.

- 1. Press the stitch adjustment button to change to the stitch length mode.
- 2. For a shorter stitch length, press the "-" button. For a longer stitch length, press the "+" button.

The stitch length can be adjusted between "0.0-4.5". Certain stitches may have a limited stitch length.

When the number is set back at its default value, the screen will blink.



Altering the stitch width

When you select a stitch, the machine will automatically set the recommended stitch width values which will be shown on the LED screen.

- 1. Press the stitch adjustment button to change to the stitch width mode.
- 2. For a narrower stitch, press the "–" button. For a wider stitch, press the "+" button.

The stitch width can be adjusted between "0.0-7.0". Certain stitches may have a limited stitch width.

When the number is set back at its default value, the screen will blink.



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Stitch Chart



Stitch chart

✤ A Group patterns MM

Stitch Pattern		Width(mm)		Length(mm)		Presser	Fuctions		
		Auto	Manual	Auto	Manual	Foot	Reverse	Auto-lock	
	01	0	3.5	0.0~7.0	2.5	0.0~5.0	Т	*	*
	02	0	0.0	0.0~7.0	2.5	0.0~5.0	Т	*	*
	03	0====	3.5	0.0~7.0	2.5	1.0~3.0	Т	*	*
	04	0 <i></i>	3.5	1.0~6.0	2.5	1.0~3.0	Т	*	*
	05	0-≖-≖	3.5	0.0~7.0	2.5	1.5~3.0	Т	*	*
	06	\sim	5.0	0.0~7.0	2.0	0.3~1.0 1.0~4.5	Т	*	*
	07	\sim	5.0	2.0~7.0	1.0	0.3~1.0 1.0~4.5	Т	*	*
	08		5.0	2.5~7.0	2.5	1.0~3.0	А	*	*
	09	$\Delta \Delta \Delta$	5.0	3.5~7.0	2.5	1.0~3.0	E	*	*
Utility	10	$\nabla \nabla \nabla$	5.0	3.5~7.0	2.5	1.0~3.0	Т	*	*
	11		5.0	2.5~7.0	2.5	1.0~3.0	Т	*	*
	12	777	5.0	2.5~7.0	2.5	1.0~3.0	Т	*	*
	13	·v··v·	3.5	1.0~7.0	2.0	0.5~4.5	F	*	*
	14		3.5	1.0~7.0	2.0	0.5~4.5	Т	*	*
	15	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3.5	2.5~7.0	1.0	0.5~4.5	F	*	*
	16	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	3.5	2.5~7.0	1.0	0.5~4.5	Т	*	*
	17	$\overline{\mathbf{V}}$	5.0	2.5~7.0	2.5	1.0~3.0	Т	*	*
	18	\times	7.0	2.5~7.0	2.5	1.0~3.0	А	*	*
	19	~~~~	5.0	2.5~7.0	2.5	1.0~3.0	А	*	*
	20		5.0	3.0~7.0	0.4	0.3~1.0	D		
	21		5.0	3.0~5.5	0.4	0.3~1.0	D		
Buttonhole	22		7.0	5.5~7.0	0.4	0.3~1.0	D		
Buttonnoic	23		5.0	3.0~5.5	0.4	0.3~1.0	D		
	24	(5.0	3.0~5.5	0.4	0.3~1.0	D		
	25		6.0	3.0~7.0	1.0	1.0~2.0	D		
Eyelet	26	0	7.0	7.0, 6.0, 5.0		—	A		
Buttonhole sewing	27	<u> </u>	3.5	2.5~4.5			Н		
	28		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	29		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	30	*	7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	31		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	32		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	33		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	34		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	35		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
Satin	36		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	37	$-\infty$	7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	38		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	39		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	40	\sim	7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	41		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	42	\sim	7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	43		7.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	44		1.0	2.5~7.0	0.4	0.3~1.0	A	*	*
	45		1.0	2.5~7.0	1.5	1.5~3.0	A	*	*
	46		7.0	2.5~7.0	1.5	1.5~3.0	A	*	*
Decorative satin	4/		1.0	2.5~1.0	1.0	1.0~2.0	A	*	*
	48		/.0	2.5~7.0	1.5	1.5~3.0	A	*	*
	49		1.0	3.5~7.0	1.5	1.0~3.0	A	*	*
	50		7.0	4.0~7.0	1.5	1.5~3.0	A	*	*

Stitch Pattern			Width(mm)		Length(mm)		Presser	Fuctions	
			Auto	Manual	Auto	Manual	Foot	Reverse	Auto-lock
	51	$\times\!\!\times\!\!\times\!\!\times$	5.0	2.5~7.0	2.5	1.0~3.0	A	*	*
	52	×××××	6.0	3.0~7.0	1.0	1.0~3.0	A	*	*
Cross	53	$\chi_{\chi}\chi_{\chi}$	6.0	3.0~7.0	1.0	1.0~3.0	A	*	*
	54		4.0	3.0~7.0	1.0	1.0~3.0	A	*	*
	55		6.0	3.0~7.0	1.5	1.0~3.0	A	*	*

✤ B Group patterns ******

Stitch Pattern		Width(mm)		Length(mm)		Presser	Fuctions		
		Auto	Manual	Auto	Manual	Foot	Reverse	Auto-lock	
	01	۷-۲-	5.0	2.5~7.0	2.0	1.0~4.5	Т	*	*
	02	┟╌╬╌╣	4.0	2.5~7.0	2.0	1.0~4.5	Т	*	*
	03		3.5	2.5~7.0	2.5	1.5~3.0	Т	*	*
	04		3.5	2.5~7.0	2.5	1.5~3.0	Т	*	*
	05	ΠΠΠΠ	3.5	2.5~7.0	2.5	1.5~3.0	Т	*	*
	06		3.5	2.5~7.0	2.5	1.5~3.0	Т	*	*
	07	пппп	4.0	2.5~7.0	2.5	1.5~3.0	A	*	*
	08		4.0	2.5~7.0	2.5	1.5~3.0	A	*	*
	09	[+++++++]	3.5	2.5~7.0	2.5	1.5~3.0	Т	*	*
Quilt	10	ىيل بىل	6.0	3.0~7.0	2.0	1.0~4.5	Т	*	*
Quint	11	لللہ اللہ	6.0	3.0~7.0	2.0	1.0~4.5	Т	*	*
	12	ىلىبېيىك	7.0	3.0~7.0	1.5	1.0~4.5	Т	*	*
	13	<i>₩</i> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	6.0	3.0~7.0	2.0	1.0~3.0	Т	*	*
	14		5.0	3.0~7.0	2.0	1.0~3.0	Т	*	*
	15	$\times \times$	5.0	2.5~7.0	2.0	1.0~3.0	Т	*	*
	16	፝፠፠	6.0	3.5~7.0	1.5	1.0~3.0	Т	*	*
	17	ઝ્ટ્રરડ	5.0	3.5~7.0	1.5	1.5~3.0	A	*	*
	18	\sim	5.0	2.5~7.0	1.0	1.0~4.5	Т	*	*
	19	ww	6.0	3.0~7.0	2.0	1.0~3.0	Т	*	*
	20	HA, HA, H	7.0	2.5~7.0	1.5	1.0~3.0	A	*	*
	21	$\checkmark \checkmark \checkmark$	6.0	2.5~7.0	1.5	1.0~3.0	Т	*	*
	22	\mathbf{v}	7.0	2.5~7.0	2.0	1.0~3.0	Т	*	*
	23	W	5.0	2.5~7.0	2.0	1.0~3.0	Т	*	*
	24	2222	6.0	2.5~7.0	3.0	1.0~3.0	Т	*	*
	25	\leftrightarrow	5.0	4.0~7.0	2.5	1.5~3.0	A	*	*
	26	2000000	6.0	3.5~7.0	2.0	1.5~3.0	A	*	*
	27	\mathcal{N}	5.0	2.5~7.0	2.5	1.0~3.0	A	*	*
	28	ᠵᡷᡒᡷᠧ	6.0	3.5~7.0	2.0	1.5~3.0	A	*	*
	29	****	6.0	4.5~7.0	1.5	1.0~3.0	A	*	*
Decorative	30	\sim	5.0	3.0~7.0	2.0	2.0~3.0	A	*	*
Decorative	31	$\sqrt{\sqrt{2}}$	5.0	4.0~7.0	1.5	1.0~3.0	A	*	*
	32		7.0	2.5~7.0	2.0	1.0~3.0	Т	*	*
	33	(AVA)	7.0	2.5~7.0	2.5	1.5~3.0	Т	*	*
	34	999	5.0	2.5~7.0	2.5	1.5~3.0	Т	*	*
	35	5555	5.0	2.5~7.0	2.5	1.5~3.0	Т	*	*
	36	***	5.0	3.0~7.0	3.0	1.5~3.0	Α	*	*
	37	3333	7.0	3.0~7.0	2.0	1.0~3.0	Т	*	*
	38	※※※	7.0	4.0~7.0	3.0	2.0~3.0	A	*	*
	39	Alllick	7.0	3.0~7.0	2.0	1.5~3.0	Α	*	*
	40	****	7.0	3.5~7.0	2.0	1.0~3.0	Т	*	*

		Width(mm)		Length(mm)		Presser	Fuctions		
Stitch Patte	ern		Auto	Manual	Auto	Manual	Foot	Reverse	Auto-lock
	41	$\mathcal{F}\mathcal{F}\mathcal{F}$	7.0	4.0~7.0	2.0	2.0~3.0	A	*	*
	42		7.0	2.5~7.0	2.5	1.0~4.5	Т	*	*
	43		7.0	2.5~7.0	1.5	1.0~3.0	Т	*	*
	44	<u> </u>	7.0	4.0~7.0	2.5	2.0~3.0	A	*	*
	45	(Y)(Y)	5.0	2.5~7.0	2.0	2.0~3.0	A	*	*
	46	N	7.0	3.5~7.0	1.0	1.0~3.0	A	*	*
	47	Жши⊁	7.0	4.0~7.0	3.0	2.0~3.0	A	*	*
	48	3	7.0	4.0~7.0	2.0	1.0~3.0	A	*	*
	49	5	7.0	3.0~7.0	3.0	1.0~3.0	A	*	*
	50	000	7.0	3.0~7.0	2.0	1.5~3.0	A	*	*
	51	6666	5.0	3.5~7.0	1.0	1.0~3.0	A	*	*
	52	MM2 MM2	5.0	4.0~7.0	2.0	2.0~3.0	A	*	*
Decorative	53	激激	7.0	3.0~7.0	2.0	1.5~3.0	A	*	*
	54	\rightarrow	7.0	2.5~7.0	2.0	1.0~3.0	A	*	*
	55		7.0	2.5~7.0	2.5	1.5~3.0	A	*	*
	56	\sim	7.0	3.5~7.0	2.5	1.5~3.0	Т	*	*
	57	$\land \checkmark$	7.0	3.0~7.0	2.5	1.0~3.0	Т	*	*
	58	00	7.0	2.5~7.0	2.0	1.5~3.0	Т	*	*
	59	lll	5.0	2.5~7.0	2.0	1.0~3.0	Т	*	*
	60	MM	5.0	2.5~7.0	1.5	1.0~3.0	Т	*	*
	61	V/V	5.5	2.5~7.0	2.0	1.5~3.0	Т	*	*
	62	* *	5.0	2.5~7.0	2.0	1.0~3.0	Т	*	*
	63	\heartsuit	5.0	2.5~7.0	2.0	1.0~3.0	Т	*	*
	64	4	5.0	3.0~7.0	2.0	1.0~3.0	Т	*	*
	65	\mathcal{L}	6.0	4.0~7.0	2.0	2.0~3.0	Α	*	*



1

Sewing Basics



Straight stitch

While sewing straight stitches, please use straight needle plate for better stitch performance.



Set the pattern as shown in figure.

- 1. Press the stitch adjustment button to change to the stitch length mode.
- For a shorter stitch length, press the "-" button. For a longer stitch length, press the "+" button.

Generally speaking, the thicker the fabric, thread and needle, the longer the stitch length should be.

Changing the needle position

The needle position for straight stitches can be changed by adjusting the stitch width.

The pre-set position is "3.5", center position.

- 1. Press the stitch adjustment button to change to the stitch width mode.
- Press the "+" button, the needle position will be moved to the right. Press the "-" button, the needle position will be moved to the left.



Zigzag stitch





Set the pattern as shown in figure.

- 1. Press the stitch adjustment button to change to the stitch width mode.
- 2. The width can be adjusted between "0.0-7.0" as you press the "+" or "-" buttons.

The width can be reduced on these patterns.

- 1. Press the stitch adjustment button to change to the stitch length mode.
- 2. The length can be adjusted between "0.0-4.5" as you press the "+" or "-" buttons.

Neat zig-zag stitches are usually achieved at "2.5" or below.

Closed up zigzag stitches (close together) are referred to as a satin stitch.



Useful skills

Various ways to achieve better results for your sewing projects are described below. Refer to these tips when sewing your project.

The results depend on types of fabrics and stitches. A trial sewing on a piece of fabric is suggested.

For the trial sewing, use a piece of fabric and thread that are same as those used for your project and check the thread tension and stitch length and width.

Since the results differ depending on types of stitching and layers of fabric sewn, perform the trial sewing under the same conditions that will be used with your project.



Starting to sew

Raise the presser foot lifter. Place the fabric under the presser foot with the fabric edge lined up with the desired seam guide line on the needle plate.

Lower the presser foot lifter and smooth the threads toward the back. Press the foot control to start sewing



Sewing curves

Slightly change the sewing direction to sew around the curve.



When sewing along a curve while using a zigzag stitch, select a shorter stitch length in order to obtain a finer stitch.



Sewing corners

- 1. Stop the sewing machine when you reach a corner.
- 2. Lower the needle into the fabric manually or by pressing the needle up/ down button once.
- 3. Raise the presser foot.
- 4. Use the needle as a pivot and turn the fabric 90°.
- 5. Lower the presser foot and resume sewing.



Sewing heavy fabric

The black button on the right side of the presser foot will lock the presser foot in a horizontal position if you push it in before lowering the presser foot.

This ensures even feeding at the beginning of a seam and helps when sewing multiple layers of fabrics such as sewing over seams when hemming jeans.

When you reach the point of an increased thickness, lower the needle and raise the presser foot. Press the toe of the foot to the horizontal line and push in the black button, then lower the foot and continue sewing.



The black button releases automatically after sewing few stitches.



You also can place another piece of fabric with the same thickness at the back of the seam. Or support the presser foot while feeding by hand and sewing toward the folded side.

(1) Cardboard or thick fabric



Sewing thin fabrics

When sewing thin fabrics, the stitches may become misaligned or the fabric may not feed correctly. If this occurs, place thin paper or stabilizer material under the fabric and sew it together with the fabric.

When you have finished sewing, tear off any excess paper.

(1) Stabilizer material or paper



Sewing stretch fabrics

Baste the pieces of fabric together, and then sew without stretching the fabric.

1 Basting.



Reverse

Reverse stitching is used to secure the threads at the beginning and at the end of a seam.

Press the reverse button and sew 4-5 stitches.

The machine will sew forward when the button is released.

Cutting the thread

Bring the thread take up lever to its highest position, raise the presser foot and remove the fabric.

Guide both threads to the side of the face plate and into the thread cutter. Pull the threads down to cut them.

1 Thread cutter

