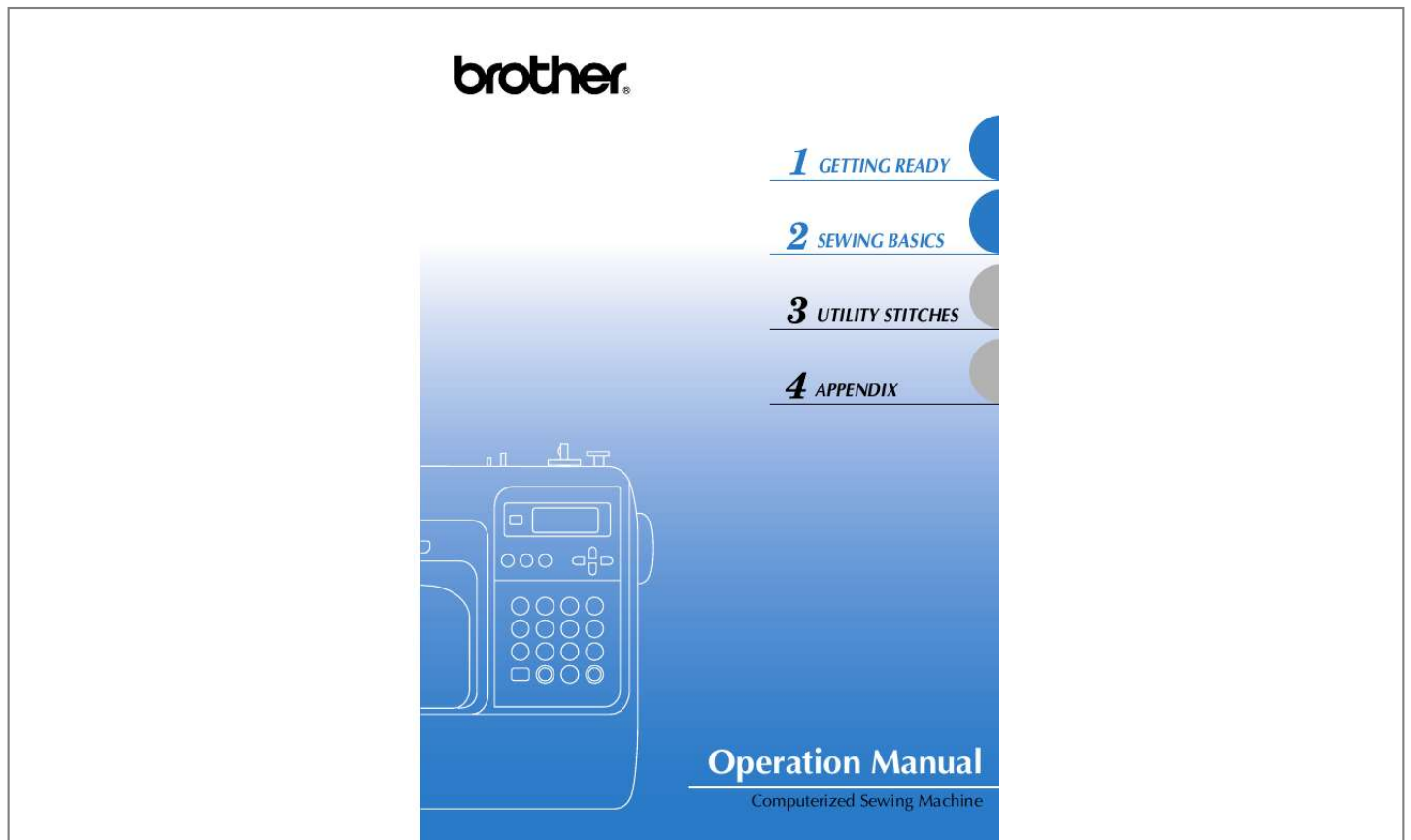




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for BROTHER INNOV-IS 50. You'll find the answers to all your questions on the BROTHER INNOV-IS 50 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual BROTHER INNOV-IS 50
User guide BROTHER INNOV-IS 50
Operating instructions BROTHER INNOV-IS 50
Instructions for use BROTHER INNOV-IS 50
Instruction manual BROTHER INNOV-IS 50



[You're reading an excerpt. Click here to read official BROTHER INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)
<http://yourpdfguides.com/dref/2359659>

Manual abstract:

· Plug the machine directly into the electrical outlet. Do not use an extension cord. @@@@ While the machine is stored or in use if you notice anything unusual, such as an odor, heat, discoloration or deformation, stop using the machine and immediately unplug the power cord. When transporting the sewing machine, be sure to carry it by its handle. Lifting the sewing machine by any other part may damage the machine or result in the machine falling, which could cause injuries. When lifting the sewing machine, be careful not to make any sudden or careless movements, otherwise you may injure your back or knees. 1 ----- 4 Always keep your work area clear: · Never operate the machine with any air openings blocked. @@ · Do not store objects on the foot controller. · Do not use extension cords. Plug the machine directly into the electrical outlet. · Never drop or insert any object into any opening. @@@@ Do not use bent or damaged needles. · Keep fingers away from all moving parts. Special care is required around the machine needle. · Switch the sewing machine to the symbol "O" position to turn it off when making any adjustments in the needle area. · Do not use a damaged or incorrect needle plate, as it could cause the needle to break. · Do not push or pull the fabric when sewing, and follow careful instruction when freehand stitching so that you do not deflect the needle and cause it to break. 6 This machine is not a toy: · Your close attention is necessary when the machine is used by or near children. · The plastic bag that this sewing machine was supplied in should be kept out of the reach of children or disposed of. Never allow children to play with the bag due to the danger of suffocation. · Do not use outdoors. 7 For a longer service life: · When storing this machine, avoid direct sunlight and high humidity locations. Do not use or store the machine near a space heater, iron, halogen lamp, or other hot objects. · Use only neutral soaps or detergents to clean the case. Benzene, thinner, and scouring powders can damage the case and machine, and should never be used. · Always consult the operation manual when replacing or installing any assemblies, the presser feet, needle, or other parts to assure correct installation. 2 ----- 8 For repair or adjustment: · If the Light unit (light-emitting diode) is damaged, it must be replaced by authorized dealer. · In the event a malfunction occurs or adjustment is required, first follow the troubleshooting table in the back of the operation manual to inspect and adjust the machine yourself. If the problem persists, please consult your local authorized Brother dealer. Use this machine only for its intended use as described in this manual.

Use accessories recommended by the manufacturer as contained in this manual. Save these instructions. The contents of this manual and specifications of this product are subject to change without notice. For additional product information, visit our web site at www.brother.com 3

----- FOR USERS IN THE UK, EIRE, MALTA AND CYPRUS ONLY

IMPORTANT · In the event of replacing the plug fuse, use a fuse approved by ASTA to BS 1362, i.e. carrying the mark, rating as marked on plug. · Always replace the fuse cover. Never use plugs with the fuse cover omitted.

· If the available electrical outlet is not suitable for the plug supplied with this equipment, you should contact your authorized dealer to obtain the correct lead. FOR USERS IN AUSTRALIA AND NEW ZEALAND This sewing machine is not intended to be used by young children, and assistance may be required if used by a person with a disability. 4 ----- Contents Important Safety

Instructions ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.1 Introduction

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.8 Sewing Machine Features

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....8 Accessories....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....9 Included accessories ..

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

9 Optional accessories

.....

.....

.....

.....

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

10 Names of Machine Parts and Their Functions

.....
.....
.....

.....
.....
.....
.....

.....11 Machine...

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

. 11 Needle and presser foot section

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....

.....
.....
.....

..... *12 Operation buttons .*

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... *12 Operation panel ..*

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

13 GETTING READY 15 Turning the Machine On/Off.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

...16 Power supply precautions

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

16 Turning on the machine

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

17 Turning off the machine

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

17 Understanding the LCD Screens.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

...18 Changing the Machine Settings ..

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

..19 Changing the settings ...

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

. 19 Adjusting the brightness of the LCD

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.....
... 21 Winding/Installing the Bobbin.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

....22 Bobbin precautions

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

. 22 Winding the bobbin

.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... 22 Installing the bobbin ...

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.. 26 Upper Threading ...

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

...28 Threading the upper thread

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

..... 28 Threading the needle ..

.....
.....
.....

.....
.....
.....
.....

.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.. *31 Threading the needle manually (without using the needle threader)*

.....
.....
.....

.....
.....
.....

..... *33 Using the twin needle*

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... *33 Pulling up the bobbin thread.*

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.. *36 Replacing the Needle ...*

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....*37 Needle precautions*.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....*37 Needle types and their uses.*

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....*38 Checking the needle*.....

.....

.....

.....

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

... 39 Replacing the needle.....

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

... 39 Replacing the Presser Foot ..

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

...41 Presser foot precautions

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.....

.....

.....

.....

.....

.....

.... 41 Replacing the presser foot

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

. 41 Removing the presser foot holder

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... 43 Using the optional walking foot ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..... 44 Sewing Cylindrical or Large Pieces.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....46 Stitching cylindrical pieces.

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... 46 Sewing large pieces of fabric

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

..... 46 SEWING BASICS 49 Sewing..

.....
.....
.....

.....
.....
.....

.....

.....
.....
.....

.....
.....
.....
.....

.....
.....

50 General sewing procedure

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

. 50 Positioning the fabric

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....es using the optional side cutter

.....
.....
.....
.....

.....
.....
.....
.....

... 73 Basic Stitching ..

.....
.....

.....
.....
.....

.....
.79 Buttonhole sewing

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....
..... 80 Button sewing .

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.... 84 Zipper Insertion.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

..86 Inserting a centered zipper ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

... 86 Inserting a side zipper

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.. 112 Checking the selected pattern

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.. 115 Realigning the pattern ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

... 116 APPENDIX 119 Stitch Settings.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..120 Utility stitches ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

120 Other stitches.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.... 124 Care and Maintenance

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

....126 Cleaning the machine surface .

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.. 126 Cleaning the race

.....

.....

.....

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

126 Removing the needle plate

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.... 127 Troubleshooting .

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

....128 Error messages

.....
.....
.....

.....
.....
.....
.....

.....
.....

.....
.....

.....
.....
.....
.....

.....
.....
.....

..... 132 Nothing appears in the LCD

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

..... 134 Operation beep ..

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.... 134 Cancelling the operation beep .

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

b One-touch lower threading You can start sewing without pulling up the bobbin thread (page 26).

c Simple bobbin-winding The bobbin can quickly and easily be wound with thread (page 22). d Built-in stitches You can select from the built-in stitches available, including utility stitches, character stitches and decorative stitches. 8

Accessories After opening the box, check that the following accessories are included. If any item is missing or damaged, contact your dealer. Included accessories The following items should also be included in the box. Note (For U.S.A. only) Foot controller: Model T This foot controller can be used on this machine model NS80. The screw for the presser foot holder is available through your authorized dealer.

(Part code: XA4813-051) 1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

* 11. 12. 13. 14. 15. 16. 17. 18. 19. 20.
21. 22. 23. 24. 25.

26. 27. 28. * 75/11 2 needles 90/14 2 needles 90/14 2 needles: Ball point needle (gold colored) Part Code No. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 Part Name U.

S.A./ Canada Others No. 16 17 18 19 20 Part Name Spool cap (large) Spool cap (medium) Spool cap (small) Extra spool pin Spool net U.S.A./ Canada Part Code Others Buttonhole foot "A" XC2691-033 Overcasting foot "G" XC3098-031 Monogramming foot "N" XD0810-031 Zipper foot "I" X59370-021 Zigzag foot "J" (on machine) XC3021-051 Blind stitch foot "R" X56409-051 Button fitting foot "M" 130489-001 Seam ripper X54243-051 Bobbin (4) SA156 SFB (XA5539-151) Needle set X58358-021 Twin needle X59296-121 Cleaning brush X59476-021 Eyelet punch 135793-001 Screwdriver (large) XC8349-051 Screwdriver (small) X55648-051 21 Foot controller 22 23 24 25 26 27 28 Operation manual Quick reference guide Accessory bag Disc-shaped screwdriver Stitch pattern plate Stitch pattern plate holder Hard case 130012-054 XE1372-001 130013-154 XE2241-001 XA5523-020 XD0501-021 (EU area) XC8816-021 (other areas) XE2408-001 XE2416-001 XC4487-021 XC1074-051 XE2441-001 XE2238-001 XE2446-001 Accessories 9

Attaching the stitch pattern plate The stitch pattern plate shows the stitches and the stitch numbers. A letter (A, G, J, N or R) indicating the presser foot that should be used appears below the stitch number. Attach the stitch pattern plate to the stitch pattern plate holder, and then attach the holder to the handle of the sewing machine as shown in the illustration below. Optional accessories The following are available as optional accessories.

1. 2. 3. 4. 5. 6. 7. 8. 9. 10.

11. Part Code No. 1 2 3 4 5 6 Part Name Side cutter U.S.A.

/ Canada Others No. 7 8 9 Part Name Non stick foot Open toe foot Stitch guide foot "P" U.S.A./ Canada Part Code Others SA177 F054 (XC3879-002) Quilting guide SA132 F016N (XC2215-002) WT8 Wide table SA552 (XE2472-001) F033N Walking foot SA140 (XC2214-002) Quilting foot SA129 F005N (XC1948-002) F036N Adjustable zipper/piping foot SA161 (XC1970-002) 10 1/4 inch quilting foot 11 1/4 inch quilting foot with guide SA114 F007N (XC1949-002) SA147 F027N (XC1964-002) F035N SA160 (XC1969-002) F001N SA125 (XC1944-052) SA185 F057 (XC7416-252) Memo To obtain optional accessories or parts, contact the nearest authorized dealership.

All specifications are correct at the time of printing. The part codes are subject to change without notice. Visit your Brother dealer for a complete listing of optional accessories available for your machine. 10

Names of Machine Parts and Their Functions The names of the various parts of the sewing machine and their functions are described below. Before using the sewing machine, carefully read these descriptions to learn the names of the machine parts. Machine a Bobbin winder (page 22) Use the bobbin winder when winding the bobbin. b Spool pin (page 22, 28) Place a spool of thread on the spool pin. c Thread tension dial (page 57) Use the thread tension dial to adjust the tension of the upper thread. d Bobbin-winding thread guide and pretension disk (page 22) Pass the thread around this thread guide and around the pretension disk when winding the bobbin thread. e Thread take-up lever (page 30) Slide the thread into the thread take-up lever from the right side of slot to the left side of slot.

f Thread cutter (page 56) Pass the threads through the thread cutter to cut them. g Flatbed attachment (page 46) Store presser feet and bobbins in the flatbed attachment. Remove the flatbed attachment when sewing cylindrical pieces such as sleeve cuffs. h Operation buttons (page 12) Use these buttons and the slider to start the sewing machine and raise and lower the needle. i Operation panel (page 13) Use to select stitches and various other stitch settings. j Handwheel Turn the handwheel toward you to sew one stitch or to raise or lower the needle. k Main power switch (page 17) Use this switch to turn the sewing machine on and off. l Power supply jack (page 17) Insert the plug on the power cord into the power supply jack. m Foot controller jack (page 52) Insert the plug on the end of the foot controller cable into the foot controller jack. n Feed dog position switch (page 85) Use this switch to lower the feed dogs. o Presser foot lever (page 28) Raise and lower this lever to raise and lower the presser foot. p Thread guide (page 24) Pass the thread under this thread guide when winding the bobbin thread and threading the machine. q Thread guide cover (page 24) Pass the thread under this thread guide when winding the bobbin thread and threading the machine. r Air vent This vent allows the air surrounding the motor to circulate. s Handle Carry the sewing machine by its handle when transporting the machine.

Names of Machine Parts and Their Functions 11 Needle and presser foot section d Presser foot holder screw Use the presser foot holder screw to hold the presser foot in place. e Presser foot The presser foot applies pressure to the fabric during sewing. Attach the appropriate presser foot for the selected stitch. f Needle plate cover Remove the needle plate cover to clean the bobbin case and race. g Feed dogs The feed dogs feed the fabric.

h Quick lower threader Begin sewing without pulling up the bobbin thread. i Bobbin cover/race Remove the bobbin cover to insert the bobbin into the race. j Needle plate The needle plate is marked with guides to help sew straight seams. k Needle bar thread guide Pass the upper thread through the needle bar thread guide. l Presser foot lever Raise and lower this lever to raise and lower the presser foot.



[You're reading an excerpt. Click here to read official BROTHER](http://yourpdfguides.com/dref/2359659)

[INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)

<http://yourpdfguides.com/dref/2359659>

m Needle clamp screw Use the needle clamp screw to hold the needle in place. *a Needle threader lever* Use the needle threader to thread the needle. *b Buttonhole lever* Lower the buttonhole lever when sewing buttonholes and bar tacks. *c Presser foot holder* The presser foot is attached to the presser foot holder. *Operation buttons* The operation buttons help you to easily perform various basic sewing machine operations.

a Start/stop button Press the start/stop button to start or stop sewing. The machine sews at a low speed at the beginning of sewing while the button is continuously pressed. When sewing is stopped, the needle is lowered into the fabric. For details, refer to "Starting to sew" (page 52). *b Reverse/reinforcement stitch button* Press the reverse/reinforcement stitch button to sew reverse stitches or reinforcement stitches. Reverse stitches are sewn by keeping the button pressed down to sew in the opposite direction. Reinforcement stitches are sewn by sewing 3 to 5 stitches on top of each other. For details, refer to "Securing the stitching" (page 54). *c Needle position button* Press the needle position button to raise or lower the needle. Pressing the button twice sews one stitch. *d Sewing speed controller* Slide the sewing speed controller to the left or right to adjust the sewing speed. Slide the sewing speed controller to the left to reduce the sewing speed, or slide the speed controller to the right to increase the sewing speed. 12

----- *Operation panel* The operation panel, located on the front at the right of the sewing machine, consists of the LCD (liquid crystal display) and keys for specifying various sewing settings. 1 2 3 5 4 8 9 @ A C a LCD (liquid crystal display) Settings for the selected stitch and error messages for incorrect operations appear in the LCD. Use keys b and f through n, described below, to display various items and select the settings.

For details, refer to "Understanding the LCD Screens" (page 18). *b Settings key* Press this key to select sewing settings, such as for left/ right mirror imaging, or other settings such as the operation beep. *c Needle position key* Press this key to raise or lower the needle. *d Automatic reverse/reinforcement stitch key*

Press this key to select the automatic reverse/ reinforcement stitching setting. Press this key again to cancel the setting.

e Needle mode selection key (single/twin) Press this key to select the twin needle sewing setting. Each time this key is pressed, the setting switches between single needle sewing and twin needle sewing. *f Stitch width keys* Press or to adjust the stitch width setting. *g Stitch length keys* Press or to adjust the stitch length setting. 7 6 B D *Stitch mode keys (h-j)* *h Preset utility stitch/saved pattern key* Press this key to select the utility stitch assigned to a numeric key or to retrieve a pattern that has been saved. Each time this key is pressed, the machine switches between the preset utility stitch mode and the saved pattern mode. *i*

Utility stitch key Press this key to select a straight stitch, zigzag stitch, buttonhole, blind hem stitch, decorative stitch, satin stitch, or cross-stitch. Use the numeric keys to type in the number of the desired stitch. *j Character/utility decorative stitch key* Press this key to select character stitch mode or utility decorative stitch mode, where patterns can be combined. Each time this key is pressed, the machine switches between utility decorative stitch mode and character stitch mode.

k Memory key Press this key to save stitch patterns, such as combined patterns, in the sewing machine's memory. *l OK key* Press this key to apply the selection or perform the operation. *m Cancel/clear key* Press this key to cancel the operation and return to the previous screen. In addition, pressing this key removes the last pattern added when combining characters or decorative stitches. *n Numeric keys* Use these keys to quickly select one of the ten most often used stitches. When selecting other stitches, use these keys to type in the number of the desired stitch. Names of Machine Parts and Their Functions 13

----- 14 1 GETTING READY The various preparations required before starting to sew are described in this chapter. Turning the Machine On/Off ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....16 Power supply precautions .

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.16 Turning on the machine

.....

.....

.....

.....

.....
.....
.....
.....

.....
.....
.17 Turning off the machine
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.17 Understanding the LCD Screens....
.....

.....
.....

.....
.....
.....
.....

.....
.....
.....

.....18 Changing the Machine Settings .

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

...19 Changing the settings ..
.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

..19 Adjusting the brightness of the LCD ...
.....

.....
.....

.....
.....

.....
.....
.....
.....
.....
...21 Winding/Installing the Bobbin.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

22 Bobbin precautions

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

..22 Winding the bobbin ...

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

...22 Installing the bobbin ..

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

...26 Upper Threading ..

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

.....28 *Threading the upper thread.*

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

....28 *Threading the needle.*

.....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

....31 *Threading the needle manually (without using the needle threader).*

.....

.....33 *Using the twin needle ...*

.....
.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

....33 *Pulling up the bobbin thread....*

.....
.....
.....

.....

.....
.....

...36 Replacing the Needle

.....
.....
.....
.....
.....
.....

.....37 Needle precautions ...

.....
.....
.....
.....
.....
.....

.....37 Needle types and their uses.

.....
.....
.....
.....
.....
.....

....38 Checking the needle.

.....
.....
.....
.....
.....
.....
.....
.....
.....

39 Replacing the needle

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....
.....

39 Replacing the Presser Foot

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.41 Presser foot precautions

.....

.....
.....
.....
.....

.....
.....
.....
.....

.41 Replacing the presser foot

.....
.....

.....
.....
.....
.....

.....
.....
.....
.....

...41 Removing the presser foot holder

.....
.....
.....

.....
.....
.....
.....

.....
...43 Using the optional walking foot ..

.....
.....

.....
.....
.....
.....

.....
.....
.....

.....44 Sewing Cylindrical or Large Pieces....

.....
.....
.....

.....
.....
.....
.....

.....
46 Stitching cylindrical pieces.....

.....
.....

.....
.....
.....

.....
.....
.....
.....

.46 Sewing large pieces of fabric.....

.....
.....
.....

.....
.....
.....

.....
.....

....46 GETTING READY ----- Turning the Machine On/Off This section explains how to
turn the sewing machine on and off.

Power supply precautions Be sure to observe the following precautions concerning the power supply. **WARNING** Use only regular household electricity for the power source. Using other power sources may result in fire, electric shock, or damage to the machine. Make sure that the plugs on the power cord are firmly inserted into the electrical outlet and the power supply jack on the machine. Do not insert the plug on the power cord into an electrical outlet that is in poor condition. Turn off the main power and remove the plug in the following circumstances: · When you are away from the machine · After using the machine · When the power fails during use · When the machine does not operate correctly due to a bad connection or a disconnection · During electrical storms
CAUTION Use only the power cord included with this machine. Do not use extension cords or multi-plug adapters with many other appliances plugged in to them. Fire or electric shock may result. Do not touch the plug with wet hands. Electric shock may result.

When unplugging the machine, always turn off the main power first. Always grasp the plug to remove it from the outlet. Pulling on the cord may damage the cord, or lead to fire or electric shock. Do not allow the power cord to be cut, damaged, modified, forcefully bent, pulled, twisted, or bundled. Do not place heavy objects on the cord. Do not subject the cord to heat.

[You're reading an excerpt. Click here to read official BROTHER](#)



[INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)
<http://yourpdfguides.com/dref/2359659>

These things may damage the cord and cause fire or electric shock. If the cord or plug is damaged, take the machine to your authorized dealer for repairs before continuing use. Unplug the power cord if the machine is not to be used for a long period of time. Otherwise a fire may result.

16 ----- Turning on the machine Prepare the included power cord. a off (the main power switch is set to " Turning off the machine When you are finished using the sewing machine, turn it off. In addition, before transporting the sewing machine to another location, be sure to turn it off. a Make sure that the sewing machine is turned "), and then plug the power cord into the power supply jack on the right side of the machine. 1 Make sure that the machine is not sewing.

Press the left side of the main power switch on "). Insert the plug of the power cord into a b household electrical outlet. b the right side of the machine (set it to " The sewing lamp and the LCD go off when the machine is turned off. c outlet. a Main power switch b Power cord Unplug the power cord from the electrical Grasp the plug when unplugging the power cord.

Press the right side of the main power switch c on the right side of the machine (set it to "V"). d jack. Unplug the power cord from the power supply Note If a power outage occurs while the sewing machine is being operated, turn off the sewing machine and unplug the power cord. When restarting the sewing machine, follow the necessary procedure to correctly operate the machine. (For U.S.A. only) This appliance has a polarized plug (one blade wider than the other). To reduce the risk of electrical 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. The sewing lamp and the LCD come on when the machine is turned on. Turning the Machine On/Off 17 GETTING READY ----- Understanding the LCD Screens The LCD screen, located on the front at the right of the sewing machine, displays the settings for the selected stitch and error messages if operations are performed incorrectly. The LCD displays the following information. 1 5 2 3 4 a b c d e f g Presser foot that should be used Stitch mode Twin needle/needle stop position Automatic reverse/reinforcement stitches Selected stitch Stitch length (mm) Stitch width (mm) 6 7 MEMO For details on the error messages that appear when an operation is performed incorrectly, refer to "Error messages" (page 132). 18

----- Changing the Machine Settings Various sewing machine operations and sewing settings can be changed. c Press or (Stitch length keys) until the Changing the settings The general procedure for changing machine settings is described below. a 1 stitch or machine attribute that you wish to set is displayed. Turn on the sewing machine.

1 a Stitch length keys The LCD comes on. b panel. Press (Settings key) in the operation The settings screen appears. d desired setting is selected. Press or (Stitch width keys) until the The setting is changed. e key). Press (OK key) or (Cancel/clear The initial stitch screen appears again. Changing the Machine Settings 19 GETTING READY

----- List of stitch or machine attributes The stitch or machine attributes that can be set are listed below. For details on each attribute, refer to the corresponding reference page. Attribute Check pattern Mirror imaging Repeated/ single sewing Initial needle position Stitch width control Buzzer LCD brightness Vertical pattern adjustment Icon Details Allows combined patterns to be checked. Mirror images patterns along a vertical axis. Specifies whether the pattern will be sewn once or repeatedly. Select the straight stitch that is automatically selected when the machine is turned on. Allows the stitch width to be adjusted with the sewing speed controller. Specifies whether or not a beep is sounded with each operation. Adjusts the brightness of the LCD. Adjusts the up and down position of the pattern. Reference page 112 page 113 page 112 page 98 page 134 page 21 page 116 MEMO The icon shown highlighted above is the default setting. 20

----- Adjusting the brightness of the LCD The brightness of the LCD can be adjusted. a 1 Press keys) until (Settings key) in the operation or (Stitch length is displayed.

panel, and then press The screen for changing the brightness of the LCD appears. b width key). To make the LCD darker, press To make the LCD brighter, press (Stitch width key). (Stitch The brightness of the LCD is changed. c Press key). (OK key) or (Cancel/clear The initial stitch screen appears again.

Changing the Machine Settings 21 GETTING READY ----- Winding/Installing the Bobbin

This section describes how to wind the thread onto the bobbin, and then insert the bobbin thread. Bobbin precautions Be sure to observe the following precautions concerning the bobbin. CAUTION Only use the bobbin (part code: SA156, SFB(XA5539-151)) designed specifically for this sewing machine. Use of any other bobbin may result in injuries or damage to the machine.

The included bobbin was designed specifically for this sewing machine. If bobbins from other models are used, the machine will not operate correctly. Use only the included bobbin or bobbins of the same type (part code: SA156, SFB(XA5539-151)). 1 4 2 3 a b c d Actual size This model Other model 11.5 mm (7/16 inch) Winding the bobbin Wind the thread around the bobbin to prepare the bobbin thread.

a a b c d Hook of the bobbin-winding thread guide Pretension disk Bobbin winder shaft Bobbin MEMO The order that the machine should be threaded for winding the bobbin is indicated by a broken line on the sewing machine. Be sure to thread the machine as indicated. 22

----- a Turn on the sewing machine. e the spool pin. Place the spool of thread for the bobbin onto Slide the spool onto the pin so that the spool is horizontal and the thread unwinds to the front at the bottom.

1 b that the spring on the shaft fits into the notch Place the bobbin on the bobbin winder shaft so in the bobbin.



[You're reading an excerpt. Click here to read official BROTHER INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)
<http://yourpdfguides.com/dref/2359659>

Press down on the bobbin until it snaps into place. a · If the spool is not positioned so that the thread unwinds correctly, the thread may become tangled around the spool pin. f Slide the spool cap as far as possible to the Slide the spool cap onto the spool pin. b right, as shown, with the rounded side on the left. a Notch b Bobbin winder shaft spring c it snaps into place. Slide the bobbin winder shaft to the right until CAUTION If the spool or the spool cap is not positioned correctly, the thread may become tangled around the spool pin and the needle may break. Three spool cap sizes are available (large, medium and small), allowing you to choose a spool cap that best fits the size of spool being used. If the spool cap is too small for the spool being used, the thread may catch on the slit in the spool and the needle may break. d spool pin.

Remove the spool cap that is inserted onto the a b a Spool pin b Spool cap Winding/Installing the Bobbin 23 GETTING READY

h from the back to the front. Memo When sewing with fine, cross-wound thread, use the small spool cap, and leave a small space between the cap and the spool. Pass the thread under the thread guide cover Hold the thread with your right hand so that there is no slack in the thread that is pulled out, and then pass the thread under the thread guide cover with your left hand. c b a a Spool cap (small) b Spool (cross-wound thread) c Space When using thread that winds off quickly, such as transparent nylon thread or metallic thread, place the spool net over the spool before placing the spool of thread onto the spool pin. If the spool net is too long, fold it to fit the size of the spool. When the spool net is used, the tension of the upper thread will slightly increase. Be sure to check the thread tension. For details, refer to "Adjusting the Thread Tension" (page 57). a a Thread guide cover i hook of the bobbin-winding thread guide, and Pull the thread to the right, pass it under the then wind the thread counterclockwise between the discs, pulling it in as far as possible. 1 2 a Hook of the bobbin-winding thread guide b Pretension disk Note 3 4 a b c d Spool net Spool Spool cap Spool pin Make sure that the thread passes under the pretension disk.

j that was passed through the bobbin-winding While using your left hand to hold the thread thread guide, use your right hand to wind the end of the thread clockwise around the bobbin five or six times. g pull the thread with your left hand, and then While holding the spool with your right hand, pass the thread under the thread guide. 1 a Thread guide 24 k the bobbin winder seat, and then pull the Pass the end of the thread through the slit in thread to the right to cut it. n When the bobbin winding becomes slow, press (start/stop button) once to stop the machine. CAUTION a a Slit in bobbin winder seat (with built-in cutter) When the bobbin winding becomes slow, stop the machine, otherwise the sewing machine may be damaged.

o to the left, and then remove the bobbin from 1 The thread is cut to a suitable length. Cut the thread, slide the bobbin winder shaft the shaft. CAUTION Be sure to cut the thread as described. If the bobbin is wound without cutting the thread using the cutter built into the slit in the bobbin winder seat, the bobbin may not be wound correctly. In addition, the thread may become tangled in the bobbin or the needle may bend or break when the bobbin thread starts to run out.

Slide the sewing speed controller to the right l (for a faster sewing speed). p original position. Slide the sewing speed controller back to its a Sewing speed controller m Memo When the sewing machine is started or the handwheel is turned after winding the bobbin, the machine will make a clicking sound; this is not a malfunction. Press (start/stop button) once. The bobbin starts spinning and the thread is wound around the bobbin. a start/stop button

Winding/Installing the Bobbin 25 GETTING READY a twice to raise the needle, and then raise the Press (needle position button) once or Installing the bobbin Install the bobbin wound with thread. presser foot lever. CAUTION Use a bobbin that has been correctly wound with thread, otherwise the needle may break or the thread tension will be incorrect. a Needle position button b Turn off the sewing machine. The bobbin was designed specifically for this sewing machine.

If bobbins from other models are used, the machine will not operate correctly. Use only the included bobbin or bobbins of the same type (part code: SA156, SFB(XA5539-151)). 1 4 2 a b c d Actual size This model Other model 11.5 mm (7/16 inch) c Slide the bobbin cover latch to the right. a b 3 a Bobbin cover b

Latch The bobbin cover opens. d Remove the bobbin cover. Hold the bobbin with your right hand and hold Before installing the bobbin or replacing the needle, be sure to turn off the sewing machine, otherwise injuries may occur if start/stop button is accidentally pressed and the machine starts sewing. e the end of the thread with your left. Memo The order that the bobbin thread should be passed through the bobbin case is indicated by marks around the bobbin case. Be sure to thread the machine as indicated.

· Be careful not to drop the bobbin. 26 f the thread unwinds to the left side, and then Insert the bobbin with your right hand so that pull the thread firmly under the tab with your left hand. g pull it toward you to cut it with the cutter. Guide the thread through the slot, and then a 1 b a a Slot b Cutter a Tab The cutter cuts the thread. · Make sure that the thread is correctly passed through the flat spring of the bobbin case.

If it is not inserted correctly, reinstall the thread. · Be sure to insert the bobbin correctly. CAUTION Be sure to install the bobbin so that the thread unwinds in the correct direction, otherwise the thread may break or the thread tension will be incorrect. Memo The order that the bobbin thread should be passed through the bobbin case is indicated by marks around the bobbin case. Be sure to thread the machine as indicated.

a Flat spring h Insert the tab in the lower-left corner of the a Reattach the bobbin cover. bobbin cover (A), and then lightly press down on the right side (B). B A The lower threading is finished. Next, thread the upper thread. Continue with the procedure in "Upper Threading" (page 28).



[You're reading an excerpt. Click here to read official BROTHER INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)
<http://yourpdfguides.com/dref/2359659>

Memo You can begin sewing without pulling up the bobbin thread. If you wish to pull up the bobbin thread before starting to sew, pull up the thread according to the procedure in "Pulling up the bobbin thread" (page 36). Winding/Installing the Bobbin 27 GETTING READY

----- Upper Threading In this section, the procedures for positioning the spool for the upper thread and threading the needle are described. a Spool pin b Mark on handwheel CAUTION When threading the upper thread, carefully follow the instructions. If the upper threading is not correct, the thread may become tangled and the needle may bend or break.

The needle threader can be used with sewing machine needles 75/11 through 100/16. Use appropriate thread and needle combinations. For details on appropriate needle and thread combinations, refer to "Needle types and their uses" (page 38). Thread with a thickness of 130/20 or thicker cannot be used with the needle threader. The needle threader cannot be used with the wing needle or the twin needle. If the needle threader cannot be used, refer to "Threading the needle manually (without using the needle threader)" (page 33). Threading the upper thread Set the spool of thread on the spool pin, and then thread the machine. a Turn on the sewing machine. b Raise the presser foot lever. a a Presser foot lever CAUTION If the presser foot is not raised, the sewing machine cannot be threaded.

Memo The order that the machine should be threaded is indicated by a solid line on the sewing machine. Be sure to thread the machine as indicated. 28
----- c twice to raise the needle. Press (needle position button) once or e
Slide the spool onto the pin so that the spool is Place the spool of thread onto the spool pin. horizontal and the thread unwinds to the front at the bottom.
I a Needle position button The needle is at the correct height when the mark on the handwheel is at the top, as shown below. Check the handwheel and, if this mark is not at this position, press (needle position button) until it is. CAUTION If the spool or the spool cap is not positioned correctly, the thread may become tangled around the spool pin and the needle may break. f Slide the spool cap as far as possible to the Slide the spool cap onto the spool pin. right, as shown, with the rounded side on the left.

a a Mark on handwheel d spool pin. Remove the spool cap that is inserted onto the CAUTION If the spool or the spool cap is not positioned correctly, the thread may become tangled around the spool pin and the needle may break. Three spool cap sizes are available (large, medium and small), allowing you to choose a spool cap that best fits the size of spool being used. If the spool cap is too small for the spool being used, the thread may catch on the slit in the spool and the needle may break. a b a Spool pin b Spool cap Upper Threading 29 GETTING READY

----- g pull the thread with your left hand, and then While holding the spool with your right hand, pass the thread under the thread guide. j from the right to the left. Pass the thread into the thread take-up lever a I a Thread guide h from the back to the front. a Thread take-up lever Pass the thread under the thread guide cover Hold the thread with your right hand so that there is no slack in the thread that is pulled out, and then pass the thread under the thread guide cover with your left hand. Memo If the needle is not raised, the thread take-up lever cannot be threaded. Be sure to press the needle position button to raise the needle before threading the thread take-up lever.

k guide. Pass the thread behind the needle bar thread The thread can easily be passed behind the needle bar thread guide by holding the thread in your left hand, and pulling the thread into the guide from right to left. a a Thread guide cover i along the path indicated by the number on the Thread the machine by guiding the thread machine. a a Needle bar thread guide l presser foot. Lower the presser foot lever to lower the a a Presser foot lever 30

----- b left side of the machine. Cut the thread with the thread cutter on the
Threading the needle This section describes how to thread the needle. a Memo The needle threader can be used with sewing machine needles 75/11 through 100/16. Thread with a thickness of 130/20 or thicker cannot be used with the needle threader. The needle threader cannot be used with the wing needle or the twin needle. If the needle threader cannot be used, refer to "Threading the needle manually (without using the needle threader)" (page 33).
a passed through the needle bar thread guide, to I a Thread cutter Note When using thread that quickly winds off the spool, such as metallic thread, it may be difficult to thread the needle if the thread is cut. Therefore, instead of using the thread cutter, pull out about 80 mm (approx. 3 inches) of thread after passing it through the thread guide disks (marked "7"). Pull the end of the thread, which has been the left (A), and then firmly pull it from the front (B) through the slit in the thread guide disk. 1 a 80 mm (3 inches) or more a B A b a Thread guide disk b Thread guide Upper Threading 31 GETTING READY

----- c side of the machine, and then slowly return the Lower the needle threader lever on the left lever to its original position.

d thread through the presser foot, and then pull Raise the presser foot lever, pass the end of the out about 5 cm (2 inches) of thread toward the rear of the machine. a a a Needle threader lever a 5 cm (2 inches) The thread is passed through the eye of the needle. The upper threading is finished. Now that the upper threading and the lower threading are finished, you are ready to begin sewing. Note If the needle was not completely threaded, but a loop in the thread was formed in the eye of the needle, carefully pull the loop through the eye of the needle to pull out the end of the thread.

Note If the needle is not raised, the needle threader cannot thread the needle. Be sure to press (needle position button) to raise the needle before using the needle threader. CAUTION When pulling out the thread, do not pull it with extreme force, otherwise the needle may break or bend. 32

----- Threading the needle manually (without using the needle threader)

When using special thread, thread with a thickness of 130/20 or thicker, the wing needle or the twin needle which cannot be used with the needle threader, thread the needle as described below.



[You're reading an excerpt. Click here to read official BROTHER INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)
<http://yourpdfguides.com/dref/2359659>

a guide. Using the twin needle With the twin needle, you can sew two parallel lines of the same stitch with two different threads. Both upper threads should have the same thickness and quality. Be sure to use the twin needle, the extra spool pin and the spool cap. For details on the stitches that can be sewn with the twin needle, refer to "Stitch Settings" (page 120). 1 Thread the machine to the needle bar thread · For details, refer to "Upper Threading" (page 28).

b Lower the presser foot lever. a a Twin needle b Extra spool pin b CAUTION Only use the twin needle (part code: X59296-121). Use of any other needle may bend the needle or damage the machine. Never use bent needles. Bent needles can easily break, possibly resulting in injuries. The needle threader cannot be used with the twin needle. If the needle threader is used with the twin needle, the sewing machine may be damaged. a a a Pressor foot lever c from front to back. Pass the thread through the eye of the needle Install the twin needle. · For details on installing a needle, refer to "Replacing the needle" (page 39). Thread the upper thread for the left needle · For details, refer to "Upper Threading" (page 28). Raise the presser foot lever, pass the end of the d thread through the presser foot, and then pull out about 5 cm (2 inches) of thread toward the rear of the machine. b eye. c thread. Manually thread the left needle with the upper Pass the thread through the eye of the needle from the front.

Upper Threading 33 GETTING READY ----- d bobbin winder shaft. Insert the extra spool pin into the end of the a Bobbin winder shaft b Extra spool pin c Thread spool g bar thread guide, manually thread the right Without passing the thread through the needle needle. Pass the thread through the eye of the needle from the front. h Attach zigzag foot "J". · For details on changing the presser foot, refer to "Replacing the presser foot" (page 41).

Install the thread spool and thread the upper e thread. CAUTION Memo When setting the thread spool, set it so that the thread winds off from the front of the spool. f the same way that the upper thread for the left When using the twin needle, be sure to attach zigzag foot "J", otherwise the needle may break or the machine may be damaged. i Thread the upper thread for the right side in side was threaded. Turn on the sewing machine. 1 The LCD comes on. a Thread guide cover · For details, refer to step h through j of "Threading the upper thread" (page 28). 34

----- j Select a stitch. · For details on selecting a stitch, refer to "Selecting stitching" (page 67). · For details on the stitches that can be sewn with the twin needle, refer to "Stitch Settings" (page 120).

l Start sewing. · For details on starting to sew, refer to "Starting to sew" (page 52). Two lines of stitching are sewn parallel to each other. 1 CAUTION After adjusting the stitch width, slowly turn the handwheel toward you (counterclockwise) and check that the needle does not touch the presser foot. If the needle hits the presser foot, the needle may bend or break. k Press (Needle mode selection key). Note When using the twin needle, the stitches may become bunched together, depending on the types of thread and fabric that are used. If this occurs, increase the stitch length. For details on adjusting the stitch length, refer to "Adjusting the stitch length" (page 59). or used.

(Twin needle icon) appears in the screen, and the twin needle can now be CAUTION When changing the sewing direction, press (needle position button) to raise the needle from the fabric, and then raise the presser foot lever and turn the fabric. Otherwise the needle may break or the machine may be damaged. Do not try turning the fabric with the twin needle left down in the fabric, otherwise the needle may break or the machine may be damaged. · To return to single needle sewing, press (Needle mode selection key) until the icon switches to or . · Even after the sewing machine is turned off, the twin needle setting is not cancelled.

CAUTION When using the twin needle, be sure to select the twin needle setting, otherwise the needle may break or the machine may be damaged. Upper Threading 35 GETTING READY ----- e bobbin thread under the presser foot toward Pull out about 10-15 cm (4-5 inches) of the the rear of the machine. Pulling up the bobbin thread When making gathers or before free-motion quilting, first pull up the bobbin thread as described below. a Insert the bobbin into the bobbin case. · Refer to steps a through e of "Installing the bobbin" (page 26).

Pass the bobbin thread through the slot. f Insert the tab in the lower-left corner of the b Do not cut the thread with the cutter. Reattach the bobbin cover. bobbin cover (A), and then lightly press down on the right side (B). B c your left hand with the needle in the up- While lightly holding the upper thread with A position, press (needle position button) twice to lower and raise the needle. 1 a Needle position button The bobbin thread is looped around the upper thread and can be pulled up. d out the end of the bobbin thread. Carefully pull the upper thread upward to pull 36

----- Replacing the Needle This section provides information on sewing machine needles. Needle precautions Be sure to observe the following precautions concerning the handling of the needle. Failure to observe these precautions is extremely dangerous, for example, if the needle breaks and fragments are dispersed.

Be sure to read and carefully follow the instructions below. 1 CAUTION Only use home sewing machine needles. Use of any other needle may bend the needle or damage the machine. Never use bent needles. Bent needles can easily break, possibly resulting in injuries. Replacing the Needle 37 GETTING READY

----- Needle types and their uses The sewing machine needle that should be used depends on the fabric and thread thickness. Refer to the following table when choosing the thread and needle appropriate for the fabric that you wish to sew. Thread Fabric Type/Application Type Broadcloth Medium weight fabrics Taffeta Flannel, Gabardine Lawn Thin fabrics Georgette Challis, Satin Denim Thick fabrics Corduroy Tweed Stretch fabrics Jersey Thread for knits Tricot Cotton thread 5080 Easily frayed fabrics Synthetic thread Silk thread Synthetic thread For top-stitching Silk thread 5060 90/14100/16 50 65/990/14 5060 Cotton thread 6080 Synthetic thread Silk thread Cotton thread 6080 Synthetic thread Silk thread Cotton thread Synthetic thread 5060 Silk thread Ball point needle (golden colored) 75/1190/14 50 3050 90/14100/16 65/975/11 50 75/1190/14 Weight Size of Needle Memo The lower the thread number, the thicker the thread, and the higher the needle number, the thicker the needle.



[You're reading an excerpt. Click here to read official BROTHER INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)
<http://yourpdfguides.com/dref/2359659>

Use the ball point needle when sewing on stretch fabrics or fabrics where skipped stitches easily occur. Use a 90/14 to 100/16 needle with transparent nylon threads, regardless of the fabric being sewn.

A 75/11 needle is already installed when the sewing machine is purchased. CAUTION The appropriate fabric, thread and needle combinations are shown in the table above. If the combination of the fabric, thread and needle is not correct, particularly when sewing thick fabrics (such as denim) with thin needles (such as 65/9 to 75/11), the needle may bend or break. In addition, the stitching may be uneven or puckered or there may be skipped stitches. 38

----- Checking the needle Sewing with a bent needle is extremely dangerous

since the needle may break while the machine is being operated.

Before using the needle, place the flat side of the needle on a flat surface and check that the distance between the needle and the flat surface is even.

Replacing the needle Replace the needle as described below. Use the screwdriver and a needle that has been determined to be straight according to the instructions in "Checking the needle". a twice to raise the needle. 1 Press (needle position button) once or 1 2 a Needle position button b Turn off the sewing machine.

a Flat side b Needle type marking Correct needle CAUTION 1 a Flat surface Incorrect needle If the distance between the needle and the flat surface is not even, the needle is bent. Do not use a bent needle. Before replacing the needle, be sure to turn off the sewing machine, otherwise injuries may occur if (start/stop button) is accidentally pressed and the machine starts sewing. c Lower the presser foot lever. 1 a Flat surface a a Presser foot lever CAUTION Before replacing the needle, place fabric or paper under the presser foot to prevent the needle from falling into the hole in the needle plate. Replacing the Needle 39 GETTING READY -----

d use a screwdriver to turn the needle clamp Hold the needle with your left hand, and then screw toward you (counterclockwise) to remove the needle. f use the screwdriver to tighten the needle While holding the needle with your left hand, clamp screw. a a Needle clamp screw b Screwdriver b Install the twin needle in the same way. Do not apply a strong force when loosening or tightening the needle clamp screw, otherwise certain parts of the sewing machine may be damaged. CAUTION Be sure to insert the needle until it touches the needle stopper and securely tighten the needle clamp screw with the screwdriver, otherwise the needle may break or damage may result.

----- e of the machine, insert the needle until it With the flat side of the needle toward the rear touches the needle stopper. a a Needle stopper 40

----- Replacing the Presser Foot The presser foot presses down on the fabric. Presser foot precautions Be sure to observe the following precautions concerning the presser feet. Replacing the presser foot Replace the presser foot as described below. For details on using the side cutter "S", refer to "Sewing overcasting stitches using the optional side cutter" (page 73). a twice to raise the needle. 1 CAUTION Use the presser foot appropriate for the type of stitch that you wish to sew, otherwise the needle may hit the presser foot, causing the needle to bend or break. Only use presser feet designed specifically for this sewing machine. Use of any other presser foot may result in injuries or damage to the machine. Press (needle position button) once or a Needle position button The needle is raised.

b Turn off the sewing machine. CAUTION Before replacing the presser foot, be sure to turn off the sewing machine, otherwise injuries may occur if (start/stop button) is accidentally pressed and the machine starts sewing. c Raise the presser foot lever. a a Presser foot lever The presser foot is raised. Replacing the Presser Foot 41 GETTING READY -----

d presser foot holder. Press the black button at the back of the g presser foot is securely attached. Raise the presser foot lever to check that the a b a Black button b Presser foot holder The presser foot holder releases the presser foot. e so that the presser foot pin is aligned with the Note When a stitch is selected, the icon for the presser foot that should be used appears in the screen. Check that the correct presser foot is attached before starting to sew. If the wrong presser foot is installed, turn off the sewing machine, attach the correct presser foot, and then select the desired stitch again.

Buttonhole foot "A" Overcasting foot "G" Zigzag foot "J" Place a different presser foot below the holder notch in the holder. Position the presser foot so the letter indicating the presser foot type (A, G, I, J, M, N or R) is positioned to be read. a b c Button fitting foot "M" Monogramming foot "N" Blind stitch foot "R" For details on the presser foot that should be used with the selected stitch, refer to "Stitch Settings" (page 120). a Presser foot holder b Notch c Pin f presser foot pin snaps into the notch in the Slowly lower the presser foot lever so that the presser foot holder. a b c d Presser foot lever Presser foot holder

Notch Pin a b c d a Presser foot lever The presser foot is attached. 42 ----- b right hand, and then tighten the screw using Hold the presser foot holder in place with your the screwdriver in your left hand. Removing the presser foot holder Remove the presser foot holder when cleaning the sewing machine or when installing a presser foot that does not use the presser foot holder, such as the quilting foot. Use the screwdriver to remove the presser foot holder. Removing the presser foot holder a 1 a Remove the presser foot. For details, refer to "Replacing the presser foot" (page 41).

a Screwdriver Note If the presser foot holder is not correctly installed, the thread tension will be incorrect. Use the screwdriver to loosen the presser foot b holder screw. a b c a Screwdriver b Presser foot holder c Presser foot holder screw Attaching the presser foot holder a left side of the presser bar. Align the presser foot holder with the lower- a b a Presser bar b Presser foot holder Replacing the Presser Foot 43 GETTING READY

----- Using the optional walking foot With the optional walking foot, both pieces of fabric are fed evenly by the feed dogs and the teeth on the presser foot.



[You're reading an excerpt. Click here to read official BROTHER INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)
<http://yourpdfguides.com/dref/2359659>

This is useful when sewing fabrics that are hard to feed such as vinyl and leather and when sewing fabrics that easily slip such as velvets or when quilting.

Use the screwdriver to attach the walking foot. CAUTION Be sure to securely tighten the screw with the screwdriver, otherwise the needle may touch the presser foot, causing it to bend or break. Before starting to sew, slowly turn the handwheel toward you (counterclockwise) and check that the needle does not touch the presser foot. If the needle hits the presser foot, the needle may bend or break. Note Attaching the walking foot a When sewing with the walking foot, sew at a speed between slow and medium.

Removing the walking foot a twice to raise the needle. Remove the presser foot holder. · For details, refer to "Removing the presser foot holder" (page 43). Hook the connecting fork of the walking foot Press (needle position button) once or b onto the needle clamp screw. a b a Needle position button The needle is raised.

a Connecting fork b Needle clamp screw c foot holder screw, and then tighten the screw b Turn off the sewing machine. Lower the presser foot lever, insert the presser with the screwdriver. a c Raise the presser foot lever. a Presser foot holder screw a a Presser foot lever The presser foot is raised. 44
----- d holder screw, and then remove the walking With a screwdriver, loosen the presser foot foot.

I a a Presser foot holder screw e Attach the presser foot holder. · For details, refer to "Removing the presser foot holder" (page 43). Memo Only the straight stitch (with reinforcement stitching) and the zigzag stitch can be used with the walking foot. For details on the stitches, refer to "Stitch Settings" (page 120). The optional walking foot is available through your Brother dealer. Replacing the Presser Foot 45 GETTING READY

----- Sewing Cylindrical or Large Pieces When sewing cylindrical or large pieces of fabric, remove the flat bed attachment. Stitching cylindrical pieces Removing the flat bed attachment makes it easier to sew cylindrical pieces such as cuffs and pant legs. a Sewing large pieces of fabric The optional wide table makes sewing large pieces of fabric easier. Pull the flat bed attachment off to the left. a table.

Open up the legs at the bottom of the wide Pull out the four legs until they snap into place. With the flat bed attachment removed, freearm sewing is possible. b arm, and then sew from the top. Slide the part that you wish to sew onto the b Pull the flat bed attachment off to the left. c install the flat bed attachment back in its When you are finished with free-arm sewing, original position. 46

----- c Keeping the wide table level, fully slide it into Install the wide table. f original position. Install the flat bed attachment back in its place. The lower right corner section of the wide table extends over the front section of the sewing machine bed. 1 2 1 a Lower right corner b Sewing machine bed Note The optional wide table is available through your Brother dealer.

d adjust their height so the wide table will be Turn the screw at the bottom of each leg to level with the sewing machine bed. CAUTION Do not move the sewing machine while the wide table is attached, otherwise damage or injuries may occur. e remove it. When you are finished using the wide table, While slightly lifting up the wide table, pull it off to the left. Sewing Cylindrical or Large Pieces 47 GETTING READY

----- 48 2 SEWING BASICS The necessary preparations for sewing are described in this chapter.

Sewing.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..50 General sewing procedure ...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

...50 Positioning the fabric

.....

.....

.....
.....
.....
.....
.....
.....
.....
.....
.....

..51 Starting to sew

.....
.....
.....
.....
.....
.....
.....
.....
.....

.52 Securing the stitching...

.....
.....
.....
.....
.....
.....
.....
.....

54 Cutting the thread

.....
.....
.....
.....
.....
.....
.....

....56 Adjusting the Thread Tension .

.....
.....
.....
.....
.....

.....
.....
.....
.....

.....57 Changing the tension of the upper thread

.....
.....
.....

.....
.....
.....
.....

...57 Adjusting the Stitch Width and Length

.....
.....
.....

.....
.....
.....
.....

..58 Adjusting the stitch width ...

.....
.....

.....
.....
.....

.....
.....
.....
.....

....58 Adjusting the stitch length.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....59 Useful Functions....

.....
.....
.....
.....

.....
.....
.....
.....

.....
.....

.....
.....

.....60 Changing the needle stop position ..

.....
.....
.....

.....
.....
.....

.....
.....

..60 Automatically sewing reverse/reinforcement stitches ...

.....
.....

.....
.....

.....60 Useful Sewing Tips .

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....62 Trial sewing...

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....
.....

.62 Changing the sewing direction

.....
.....
.....

.....
.....
.....

.....62 Sewing curves ..

.....
.....
.....

.....
.....
.....

.....
.....
.....

.....
.....

..62 Sewing thick fabrics ..

.....
.....
.....
.....

.....
.....
.....

.....
.....

...62 Sewing thin fabrics .

.....
.....
.....
.....

.....
.....
.....

.....
.....
.....

..63 Sewing stretch fabrics

.....
.....
.....

.....
.....
.....

.....
.....
.....

63 Sewing an even seam allowance

.....

.....
.....
.....
.....
.....
.....
.....

..64 SEWING BASICS ----- Sewing Basic sewing operations are described below. Before operating the sewing machine, read the following precautions. **CAUTION** While the machine is in operation, pay special attention to the needle location. In addition, keep your hands away from all moving parts such as the needle and handwheel, otherwise injuries may occur. Do not pull or push the fabric too hard while sewing, otherwise injuries may occur or the needle may break. Never use bent needles. Bent needles can easily break, possibly resulting in injuries. Use the correct presser foot for the type of stitch that you wish to sew, otherwise the needle may hit the presser foot, causing the needle to bend or break.

When sewing, make sure that the needle does not strike basting pins, otherwise the needle may break or bend. Before replacing the presser foot, be sure to turn off the sewing machine, otherwise injuries may occur if the start/stop button is accidentally pressed and the machine starts sewing. General sewing procedure Follow the basic procedures below to sew. 1 Turn on the machine. Turn on the sewing machine. For details on turning on the machine, refer to "Turning on the machine" (page 17). 2 Select the stitch. Select the stitch appropriate for the area to be sewn. For details on selecting a stitch, refer to "Selecting stitching" (page 67). 3 Attach the presser foot. Attach the presser foot appropriate for the stitch. For details on replacing the presser foot, refer to "Replacing the presser foot" (page 41). 4 Position the fabric. Place the area to be sewn under the presser foot. Be sure that the fabric pieces are sewn in the correct order and that the right and wrong sides of the fabric are aligned correctly. For details on positioning the fabric, refer to "Positioning the fabric" (page 51). 5 Start sewing. Start sewing. For details on starting to sew, refer to "Starting to sew" (page 52). 6 Cut the thread.

Cut the thread at the end of sewing. For details on cutting the thread, refer to "Cutting the thread" (page 56). 50

----- Positioning the fabric Be sure that the fabric pieces are sewn in the correct order and that the right and wrong sides of the fabric are aligned correctly.



[You're reading an excerpt. Click here to read official BROTHER INNOV-IS 50 user guide](http://yourpdfguides.com/dref/2359659)
<http://yourpdfguides.com/dref/2359659>