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You can read the recommendations in the user guide, the technical guide or the installation guide for BROTHER 3034D. You'll find the answers to all your questions on the BROTHER 3034D in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual BROTHER 3034D**  
**User guide BROTHER 3034D**  
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### Manual abstract:

The sewing machine should never be left unattended when plugged in. @@ 2. Always unplug before replacing the light bulb. Replace the light bulb with same type rated 15 watts. Do not allow to be used as a toy. @@ 2. @@ Use only accessories recommended by the manufacturer as contained in this manual. 3. Never operate this sewing machine if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water.

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

4. Never operate the sewing machine with any air openings blocked. Keep ventilation openings of the sewing machine and foot controller free from the accumulation of lint, dust, and loose cloth. 5. Never drop or insert any object into any openings.

@@ 8. @@ Keep fingers away from all moving parts. Special care is required around the sewing machine needle. 11. Always use the proper needle plate. The wrong plate can cause the needle to break. Do not pull or push fabric while stitching. @@ 15. @@ 16. This sewing machine is not intended for use by young children or infirm persons without supervision. 17. Young children should be supervised to ensure that they do not play with this sewing machine. This appliance has a polarized plug (one blade wider than the other) to reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. Do not modify the plug in any way. 5.

Make sure you watch the needles carefully while you are sewing. Do not touch the hand wheel, needles, knives, or other moving parts. 6. Turn off the main power and unplug the cord in the following circumstances: - When you have stopped using the machine - When you are replacing or removing the needle or any other part - If there is a power failure while you are using the machine - If you are checking or cleaning the machine - Leaving the machine unattended 7. Do not store anything on the foot controller. If water is dropped on the machine, unplug the machine immediately, and contact your local authorized dealer.

Do not bend the cord, or pull on the cord to unplug. 12. Do not touch the cord with wet hands. 13.

Place the machine near to the wall outlet. Do not put on the soft cover. 16. If you notice any abnormal sound or condition, consult your local authorized dealer. To give your machine a longer life 1.

Do not store this machine in direct sunlight or in high humidity conditions. Do not use or store the machine near a heater, iron, halogen lamp or other hot object. 2. Use only mild 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 this manual before you replace or fit the presser foot, needle, or any other parts to make sure you fit them correctly. When leaving this sewing machine unattended, the main power and light switch of the machine must be switched off or the plug must be removed from the socket-outlet. When servicing the sewing machine, or when removing covers or changing the light bulb, the machine or the electrical set must be disconnected from the supply by removing the plug from the socket-outlet. If your sewing machine is fitted with a 3 pin non rewirable BS plug then please read the following. If the available socket outlet is not suitable for the plug supplied with this equipment, it should be cut off and an appropriate three pin plug fitted. With alternative plugs an approved fuse must be fitted in the plug. The plug severed from the mains lead must be destroyed as a plug with bared flexible cords is hazardous if engaged in a live socket outlet. Always replace the fuse cover, never use plugs with the fuse cover omitted. The wires in this mains lead are coloured in accordance with the following code: Blue: Neutral Brown: Live As the colours of the wiring in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows. The wire which is coloured blue must be connected to the terminal which is marked with the letter "N" or coloured black or blue.

The wire which is coloured brown must be connected to the terminal which is marked with the letter "L" or coloured red or brown. To repair or adjust the machine If the machine breaks down or needs adjustment, first follow the troubleshooting table to inspect and adjust the machine yourself. To fully enjoy all the features, we suggest that you study this booklet. If you need more information regarding the use of your machine, your nearest authorized dealer is always happy to be of service. When threading, replacing needle or light bulb, the main power and light switch of the machine must be switched off or the plug must be removed from the socket-outlet. When the machine is not in use, it is recommended that the electric supply plug is disconnected from the wall socket to avoid any possible hazards. - The maximum operating speed of this sewing machine is 1,300 stitches per minute, which is quite fast compared to the normal operating speed of 300 to 800 stitches per minute for the ordinary foot-operated sewing machine. - The bearings in the motor are made of a special sintered, oil-impregnated alloy mounted in oilsoaked felt to withstand long hours of continuous operation. - Continuous operation of the sewing machine can cause heat to build in the motor area, but not enough to adversely affect its performance. It is important to keep fabric and paper away from the air openings on the back and sides of the machine so air can get to these openings.

- When the motor is running, sparks can be seen through the air openings in the motor bracket on the side opposite the hand wheel. These sparks are produced by the carbon brushes and the commutator, and are part of the machines normal operation. Chapter 1: Names of parts and their functions . I Hand wheel 1 Thread tree 2 Thread plate 3 Presser foot pressure adjustment screw 4 Spool pin 5 Spool support 6 Thread take-up cover 7 Needles 8 Bed extension 9 Presser foot 0 Material plate cover A Left needle thread tension dial B Right needle thread tension dial C Upper looper thread tension dial D Lower looper thread tension dial E Front cover F Presser foot lifting lever G Main power and light switch H Stitch length adjustment dial J Differential feed ratio adjustment dial K Stitch width dial Inside of the front cover L Thread guide M Lower looper threading lever N Thread take up for loopers O Upper looper P Upper knife Q Lower looper R Stitch finger S Knife lever t Front cover compartment You can hold the included accessories and the removed stitch finger in this front cover compartment. For further information about the following items, see CHAPTER 8.

Insert the three-pin plug into the socket on the bottom right side of the machine. Insert the power supply plug into a power outlet. 2. Turn the main power and light switch <A> to "I" mark (to "O" mark to turn off).



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It is necessary to open the front cover when threading this machine.

For your safety, make sure that the front cover is closed when operating the machine. Always turn off the machine before opening the front cover. When the foot controller is pressed lightly, the machine runs at a low speed. As the foot controller is pressed further, the machine will increase speed. When the foot controller is released, the machine stops. Turn off the main power and light switch or disconnect the electric supply plug. 2. Raise the presser foot lever. 1 3.

Turn the hand wheel 2 so that the mark on the hand wheel is aligned to the line on the machine.

@@ 3 4 5. @@ Then remove the presser foot and store it in a safe location. 6. @@@@ This is the same direction as an ordinary home sewing machine. @@ Free-arm sewing enables tubular pieces to be sewn more easily. NOTE: Be careful not to lose the removed bed extension.

@@@@ Move the knife lever only while the needle is at its lowest point. Be sure to unplug the power supply cord from the wall outlet before retracting the knife. Pull up the knife lever <A>, then pull it to the right. Retract the knife completely, then take your hand off from the lever.

This serger is equipped with two sets of feed dogs under the presser foot to move the fabric through the machine. The differential feed controls the movement of both the front and the rear feed dogs. When set at 1, the feed dogs are moving at the same speed (ratio of 1). When the differential feed ratio is set at less than 1, the front feed dogs move slower than the rear feed dogs, stretching the fabric as it is sewn. This is effective on lightweight fabric that may pucker.

When the differential feed ratio is set at greater than 1, the front feed dogs move faster than the rear feed dogs, gathering the fabric as it is sewn. This function assists in removing the rippling when serging stretch fabrics. An example When stretch material is sewn without using the differential feed, the edge will be wavy. Feed ratio Main Differential feed feed (rear) (front) Effect Application Prevents thin Material is materials from pulled tight. To get smooth finish, adjust the feed ratio from 1.

(The feed ratio required depends on the elasticity of the material. ) The more elastic the material, the further toward 2. 0 the differential feed ratio should be set. Test sew with a scrap of the fabric to find the correct adjustment. When sewing thick non-stretchable material such as denim, do not use the differential feed as it may damage the fabric. Turn the pressure adjustment screw on the top left of the machine. To adjust the differential feed, turn the dial on the right bottom of the body. 1 Less pressure 2 More pressure <A> Selection mark There is a thread tension dial for each needle thread, the lower looper thread and the upper looper thread. The correct thread tension may vary according to the type and thickness of the fabric and the type of thread used. Thread tension adjustments may be necessary for any change in sewing materials.

1 For heavy tension: 4 to 7 2 For light tension: 4 to 2 3 For medium tension: 5 to 3 If you cannot find the correct tension, refer to the charts on following pages. When you adjust the thread tension, do it in the following order: (1) Left needle thread (2) Right needle thread (3) Upper looper thread (4) Lower looper thread This is the easiest way to obtain the correct thread tension. When you adjust the thread tension, do it in the following order: (1) Needle thread (2) Upper looper thread (3) Lower looper thread This is the easiest way to obtain the correct thread tension. This machine uses a standard home sewing machine needle. 4 Flat surface 5 Place the needle on its flat side and check to see if the space is parallel. Turnel next to the green tension adjustment dial.

NOTE: Make sure to thread only through the upper thread take up 7. Run the thread in the sequence illustrated below, following the pink color and the numbers next to each threading point. Run the thread in the sequence illustrated, following the yellow color and the numbers next to each threading point.

Pull the thread, let the light bulb cool down before you change it.

1. Loosen the screw with a cross slot screwdriver, and then remove the lamp cover. For smooth and silent operation, the moving parts (indicated with arrows) of the machine should be oiled periodically. 2. Replace the light bulb with a new one.

Turn off the machine before opening the front cover and oiling. Parts code of the light bulb: X53061050 (U. Close the lamp cover and tighten the screw.

NOTE: Be sure to oil your sewing machine before use. Always clean the lint off your machine before you apply oil.

Oil the machine once or twice a month for normal use. If the machine is used more often, oil it once a week. Turn off the machine while replacing the presser foot. 6. @@ 7. @@ in this case, the thickness of the fabric is the criterion. @@@@ Use it to hem pants, skirts, or draperies.

@@@@ When done correctly, this stitch will be very hard to see on the right side of the fabric. The Flatlock stitch is primarily used as a decorative finish on a project. The finished stitch can look like a ladder or small parallel lines when the fabric is pulled flat.

Sewing will be easier if a crease is ironed into the folded fabric before sewing. 4. Turn the hand wheel so that the line on the hand wheel is aligned to the line on the machine (see CHAPTER 1 "Turning direction of hand wheel"). 5. Lift the presser foot lever and insert the fabric with the folded edge on the left in such a way that the needle pierces just the folded edge as it sews. Turn the hand wheel so that the line on the hand wheel is aligned to the line on the machine (see CHAPTER 1 "Turning direction of hand wheel"). 5. Lift the presser foot lever and insert the fabric with the folded edge in such a way that the needle pierces just on the fold. 6. @@ 7.

Adjust the guide position of the presser foot with the adjusting screw so that the needle moves down to a position 1/8 inch (2.5 to 3.0 mm) inside the folded edge of the fabric, so that some of the stitching loops over the edge. Either stitch finish can be used on the right side of the fabric. If you sew with the wrong sides together, the upper looper thread will decorate the right side when pulled flat.

If you sew with the right sides together, the needle thread ladder will decorate the right side when pulled flat. For thin fabrics, it's a good idea to choose a fine thread which will run smoothly. Draw equally spaced lines on the fabric with a fabric pencil as guides for pin tuck placement. Fold the fabric along one of the lines and press in place lightly with an iron. By turning the screw forward the fabric guide will go to the right.

By turning the screw backward the fabric guide will go to the left. To adjust the position of the fabric guide, a piece of the same fabric can be used to do a sewing test. 8. @@@@ 5. @@ 6. @@ 7. Align the blind stitch presser foot guide with the line on the right side of the stitch finger.



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By turning the screw forward the stitch guide will go to the right. By turning the screw backward the stitch guide will go to the left. Set up the machine for 3 thread overlock with one needle in the left position.

When stitching is finished, pull the fabric open (flat). Continue sewing until all marked lines have been sewn. By using the tape presser foot, you can sew tapes, as well as elastics and hem at the same time beautifully. - Tapes or elastics from 6mm up to 12mm width can be sewn. Turn the hand wheel so that the line on the hand wheel is aligned to the line on the machine (see CHAPTER 1 "Turning direction of hand wheel"). Put the tape or the elastic 5 through the slot 3. 6.

@@@ 3. Lower the presser foot lever. @@@ It is advisable to make trial sewing on each material / thread due to different contraction.

By using the pearl sequence foot, you can bead on fabric. it is useful for decorated edge of curtain , table cloth , dress , etc. From 3mm to 5mm sequential pearl can be sewn with this foot. Fold the fabric according to the line for pearl fitting. 2.

Place the fabric at needle dropping point keeping the folded edge with guide 1. 3. Use the screw 2 and adjust the clearance between folded edge needle so that it becomes 1mm to 1. Place the pearl through the guide just front of guide tunnel 3. @Sew turning hand wheel by hand until the pearl comes through the tunnel.

2. Sew at slow speed while guiding the pearl and fabric by hand. NOTE: Thread tension is easy to loosen especially for small size pearl. Retract movable stitch tongue for better stitching. Adjust the presser adjusting dial 2 - at "0" when sewing with tapes. - at desirable number for contraction when sewing with elastics. For example, 4mm stitch length means 4mm for <A> or <B>. By using the piping foot, you can obtain piping at the edge of material. Put piping tape between the 2 pcs of fabric and adjust both edges of the fabric as illustrated. Place fabric with piping tape under presser foot and put the piping tape into the groove <A> of piping foot and start sewing.

Carefully guide the fabric and piping tape by hands during sewing. 2. Turn both sides of the fabric after sewing. - 2 needle 4 thread overlock - 1 needle 3 thread overlock (the right needle should be removed) NOTE: For easy sewing, bast the both fabric and piping tape before sewing. piping sewing is difficult at an acute angle. In case of wide piping tape, you should sew it with cutting the excess part. You can create beautiful gathers using the gathering foot on various garment and home decorating applications. Raise the presser foot lever. 2. Turn the hand wheel so that the mark on the hand wheel is aligned to the line on the machine (see CHAPTER 1 "Turning direction of hand wheel").

3. Position the bottom piece of fabric (the fabric that will be gathered 1 under the guide 3 just below the needle). 4. Position the top piece of fabric 2 between the gathering foot and the guide 3 on top of the bottom fabric 1. 5.

Lower the presser foot lever. Adjust the other settings to those used during normal overlock sewing. 5. Sew while keeping the fabric aligned with the fabric guide 3. - Adjust the size of the gathers by setting the stitch length between 2mm and 5mm.

- Adjust the amount of fabric that is gathered by setting the differential feed ratio between 1. .



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