Mini multi-purpose sewing machine

Instruction Manual



Model: FHSM-505

Please read the instruction book carefully before operating the sewing machine.
Please save this manual in a safe place.
This sewing machine is for household use only and is not intended as a toy.

Please read all instructions carefully before using this appliance and keep them in a safe place for future use.

IMPORTANT SAFETY INFORMATION

This sewing machine is only suitable for domestic use.
Do not use outdoors. Powered by an AC adaptor.
If the AC adaptor, the cord or any other part is damaged in any way you must contact NOVAKING DEVELOPMENTS LIMITED & CO E.E.
The sewing machine must be switched off and the adaptor unplugged when:

- Threading the needle
- Changing the needle
- Changing the bobbin
- Changing parts
- Cleaning the machine
- After each use

Important:

- Never leave the sewing machine unattended in the presence of children.
- When operating the sewing machine, keep your hands away from the needle, hand wheel, thread pulling bars and pattern selection dial.
- To clean the sewing machine, simply wipe it with a soft cloth. Never use any harsh chemical solutions to clean the machine.

ACCESSORIES

Foot controller x1	
Thread spool x2	
Bobbin x3	
Needle threader x1	
Needle x1	

Front view



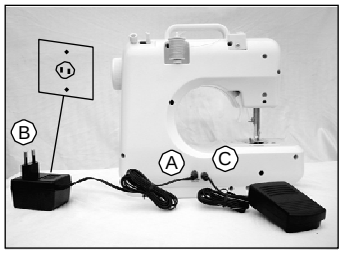
Back view



CONNECTING THE SEWING MACHINE TO THE MAIN POWER SUPPLY

1. Make sure the “power off/speed switch” on the front of the sewing machine is in the OFF position.
2. Connect the jack (A) to the DC input socket on the back of the sewing machine, and connect the plug (B) into the main power supply (outlet).
3. Connect the foot pedal “C” to the sewing machine by inserting the AC power jack into the foot pedal input socket on the back of the sewing machine.
4. To operate the sewing machine you can either use the foot pedal (the “power off/speed switch” is in OFF position) for manual operation, or you can slide the “power off/speed” switch to the left (L) or to the right (H).Please note that both settings will switch on the sewing machine and allow automatic operation. The low setting (L) is slow, while the high setting (H) is fast.

CAUTION: Whenever the sewing machine is not in use make sure it is switched off and unplugged from the main power supply.



INSTALLING THE BATTERIES

1. Make sure the “power off/ speed switch” is on the OFF position.
2. Turn the sewing machine over on a flat surface and remove the battery compartment cover.
3. Insert 4×AA batteries into the compartment and replace the battery cover.

CAUTION: To prevent accidental start up of the sewing machine, always make sure that the “power off/speed switch” is in the OFF position when inserting or changing the batteries.



THRENDING THE SEWING MACHINE

Threading upper thread

Caution: When threading the sewing machine make sure that the“power off/ speed switch” is in the OFF position and follow the steps 1-6 below. Turn hand wheel counter clockwise until the needle is in the highest position.



NEEDLE REPLACEMENT

CAUTION: Remove the batteries and/or disconnect the AC/DC adaptor before replace the needle.

1. Turn the hand wheel counter clockwise until the needle is in the highest position.
2. Lower presser foot
3. Loosen the needle clamp screw and remove needle. (Fig. 1)
4. To replace the needle, place flat side of the needle to the back and push the needle all the way up. (Fig. 2)
5. Tighten the needle clamp screw.



Fig. 1

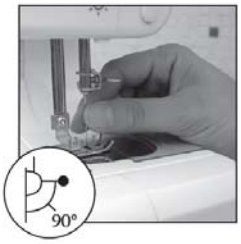


Fig. 2

REPLACING THE BOBBIN

1. Turn the hand wheel counter clockwise until the needle is in the highest position. Raise presser foot lifter.
2. Pull the slide plate forward and remove the empty bobbin. (Fig. 3)
3. Leave 10cm thread tail from the new bobbin and put it in the bobbin case. (Fig. 4)
4. Hold needle thread loosely with your left hand. Turn the hand wheel toward you, first lowering the needle and continuing until the needle comes to its highest position. (Fig. 5)
5. Lightly pull up the needle thread and pick up the bobbin thread which will appear through the needle plate slot. Then pull both threads to the back of the machine, leaving 10cm thread tail. (Fig. 6)

Caution: It is essential that both top and bottom threaded correctly. Check carefully and do a practice stitch before beginning to sew.

Very Important: Make sure you always use a metal bobbin, as otherwise the magnetized bobbin case will not be activated and there will not be tension on your bobbin thread.



Fig. 3



Fig. 5



Fig. 4



Fig. 6

SEWING

1. Turn the hand wheel counter clockwise to raise the needle to its highest position. Lift the presser foot and place the fabric you wish to sew under the presser foot. (Fig.7)
2. Lower the presser foot. (Fig.8)
3. The sewing machine can be operated in two ways: with the foot controller or with the “power off/speed switch”. To operate the sewing machine with the foot controller simply press your foot down on the pedal and to stop sewing at any time simply release your foot from the controller. Alternatively, when you are ready to start sewing slide the “power off/speed switch” left to the low (L) position and the sewing machine will automatically start sewing slide the “power off/speed switch” right to the high position (H). In order to stop sewing slide the “power off/speed switch” to the OFF (middle) position (Fig.9).
4. Turn the hand wheel on the side of the sewing machine counter clockwise to raise the needle to the highest position. Lift the presser foot and pull the thread and the fabric to the back of the sewing machine (Fig.10).
5. Cut the thread using the thread cutter on the left side of the machine.

WARNING: When the sewing machine is in use do not touch the pattern selection dial.



Fig. 7



Fig. 9



Fig. 8



Fig. 10

8 STITCH PATTERNS



1. The sewing machine 8 different stitch patterns / lengths. To select the stitch you require, look at the diagrams numbered 1-8 on the front of the sewing machine, choose the corresponding number on the dial by lining it up with the arrow. For example, to select zigzag stitch (Stitch #4) simply turn the selector dial until the number 2 is lined up with the arrow.
2. Begin sewing.
3. When you wish to change stitch type, turn the hand wheel on the side of the sewing machine to raise the needle to the highest point and set the pattern selection dial to the desired stitch type in the same way as above.

Caution: When you wish to change stitch type, you must carry out step 3 first.

REVERSE STITCH BUTTON

Reverse sewing (back stitching) is useful for reinforcing the beginning and end of seams. To use this function proceed as follows:

1. Sew forward as normal and then press and hold down the reverse stitch button on the front of the sewing machine to sew backwards.
2. To sew forward again simply release the reverse stitch button.



SETTING THE SEWING SPEED

This sewing machine has two sewing speeds.
Push the OFF button into the right (H) position and the sewing speed will be increased. Pushing the button into the left (L) position will allow the machine to sew slower.

WORK LIGHT

If additional light is needed, press the light switch to turn the light ON.
Press the switch again to turn it OFF.

SEWING SLEEVES

This sewing machine has been designed to sew sleeves or any narrow openings in garments.

1. Lift the presser foot.
2. Position the garment over the sewing arm.
3. Lower the presser foot and follow the regular sewing instructions.



FEATURES

DRAWER

A drawer is located on the right side of the machine for the handy storage of accessories.



BOBBIN WINDING

1. Put a spool of thread on the spool pin on the top back of the machine. (Fig.11)
2. Place the thread around of the bobbin wider tension disk (top left of machine).
3. Push the bobbin onto the bobbin winder pin and push the pin to the right. (Fig.13) Wind the thread clockwise around the bobbin several times. Set “power off/speed switch” to ON (L or H) to start winding. (Fig.14)
4. Stop winding after correct volume of thread is wound on the bobbin. (Fig.15)
5. Move bobbin winder to the left and take bobbin off the spindle. Cut thread.

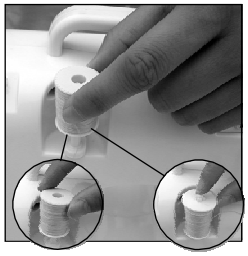


Fig. 11



Fig. 12

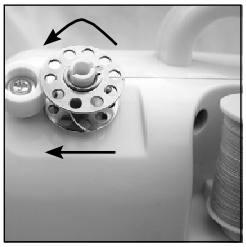


Fig. 13



Fig. 14



Fig. 15

ADJUSTING STITCHING

1. As shown in the Fig. A, normal stitching should have the top and bottom threading neither too tight or too loose.

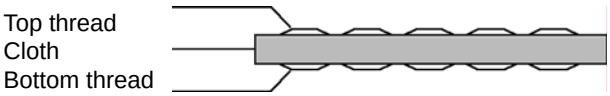


Fig. A

2. If the bottom threading looks like a straight line, this indicates the top thread is too loose. Turn the thread clamper clockwise to increase pressure until the stitching returns to normal.



Fig. B

3. When the top thread looks like a straight line this indicates that the top thread is too tight. Slowly turn the thread clamper counter clockwise to decrease tension until the stitching is back to normal.



Fig. C

TROUBLESHOOTING

Problem	**Problem cause**	**Amendment**
No power or the machine runs slowly	·Batteries are installed incorrectly	·Reinstall the batteries making sure they are the correct way around
	·Batteries are low	·Use new batteries
	·Adaptor power inadequate	·Use compatible adaptor
Skipping stitches	·Needle eye not in the middle	·Remove and re-insert the needle with the flat side of the needle to the back
	·Needle bent	·Remove and re-insert a new needle
	·Presser foot too loose	·Tighten the presser foot
Bobbin thread cannot be drawn up	·Lower thread has been used up	·Replace with new full bobbin
	·Needle threaded incorrectly	·Re-thread the needle, making sure it is threaded from the front to the back
Thread keeps breaking	·Needle bent	Remove and re-insert a new needle
	·Needle shank not properly seated	·Remove and re-insert a new needle
	·Thread tension dial, thread guide or thread pulling bar too tight	·Loosen the thread tension between 3-5 number
Stitches too loose or uneven	·Thread blocked by upper bobbin	·Pull out the spool pin and make the bobbin or thread run smoothly
	·Upper thread too loose	
Needle breaks	·Needle bent or deformed	·Remove and re-insert a new needle