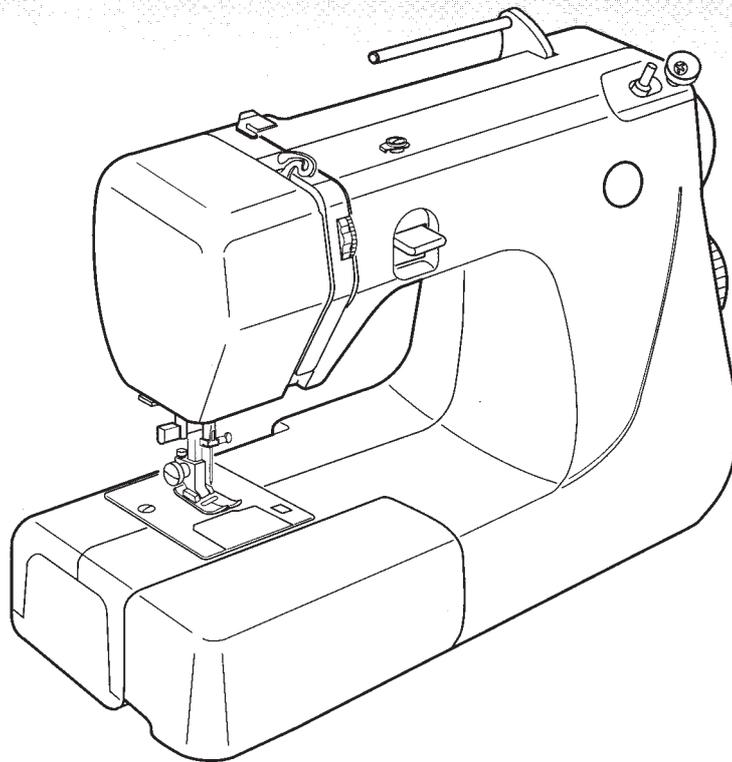


JANOME

INSTRUCTION BOOK



Jem Gold

MODEL 660

*Please Note: This version is only a partial manual. Visit your local Janome dealer for a full version.

IMPORTANT SAFETY INSTRUCTIONS

Your sewing machine is designed and constructed only for HOUSEHOLD use.
Read all instructions before using this sewing machine.

DANGER - To reduce the risk of electric shock:

1. This sewing machine should never be left unattended when plugged in. Always unplug this sewing machine from the electrical outlet immediately after using and before cleaning.
2. Always unplug before replacing sewing machine light bulb. Replace bulb with same type rated 15 Watts.
3. Do not reach for this sewing machine if it has fallen into water. Unplug immediately.
4. Do not place or store this sewing machine where it can fall or be pulled into a tub or a sink. Do not place in or drop into water or any other liquid.

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

1. Do not allow this sewing machine to be used as a toy. Close attention is necessary when this sewing machine is used by or near children.
2. Use this sewing machine only for its intended use as described in this manual. Use only attachments 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 and damaged or dropped into water. Return the sewing machine to the nearest authorized dealer or service center for examination, repair and electrical or mechanical adjustment.
4. Never operate this sewing machine with any air opening blocked. Keep ventilation openings of the sewing machine and foot controller free from accumulation of lint, dust and loose cloth.
5. Never drop or insert any object into any opening of the sewing machine.
6. Do not use outdoors.
7. Do not operate where aerosol (spray) products are being used or where oxygen is being administered.
8. To disconnect, turn all controls to the off "0" position, then remove the plug from the outlet.
9. Do not unplug by pulling on the cord. To unplug, grasp the plug, not the cord.
10. Keep fingers away from all moving parts. Special care is required around the sewing machine needle.
11. Always use the proper needle plate. The wrong plate can cause the needle to break.
12. Do not use bent needles.
13. Do not pull or push fabric while stitching. It may deflect the needle causing it to break.
14. Turn off the sewing machine's power switch when making any adjustment in the needle area such as: threading the needle, changing the needle, threading the bobbin, changing presser foot and the like.
15. Always unplug the sewing machine from the electrical outlet when removing covers or when making any other adjustments mentioned in this instruction manual.

OPERATING INSTRUCTIONS

The symbol "0" on the power switch indicates the "off" position of the switch.

For sewing machines with a polarized plug (one blade wider than the other), to reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet.

Foot Controller YC - 482 J is for use with Sewing Machine 660 Jem Gold (for U.S.A. market only).

When using your sewing machine for the first few times, place a waste fabric under the presser foot and run the machine without thread for a minute. Wipe away any oil which may appear.

SAVE THESE INSTRUCTIONS

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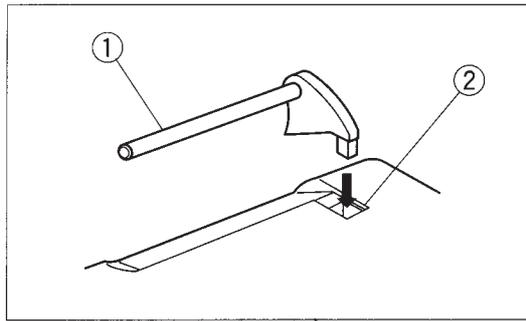
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SECTION I NAME OF PARTS

Name of Parts

• How to attach the spool pin



① Spool pin

② Setting hole

* Insert the spool pin into the hole as shown.
(The spool pin is in the accessory bag.)

③ Bobbin winder spindle

④ Thread take-up lever

⑤ Thread tension dial

⑥ Thread cutter

⑦ Needle threader

⑧ Needle plate

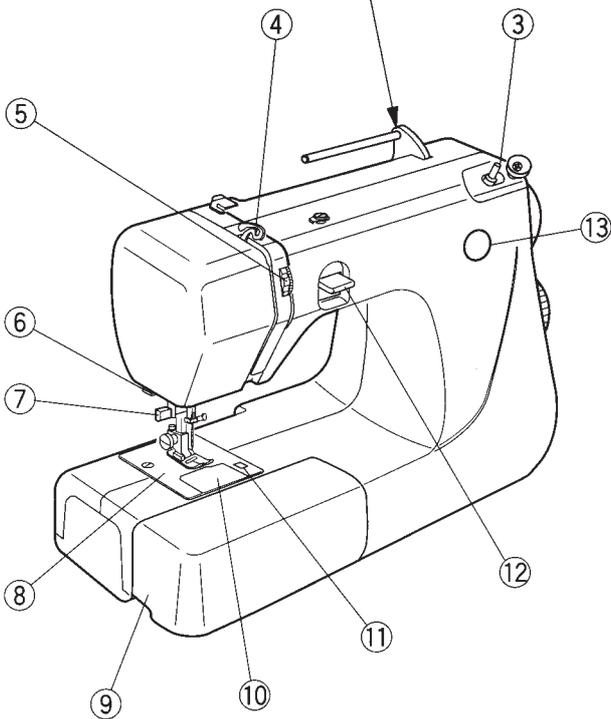
⑨ Extension table (Accessory storage box)

⑩ Hook cover plate

⑪ Hook cover plate release button

⑫ Reverse stitch lever

⑬ Pattern indication window



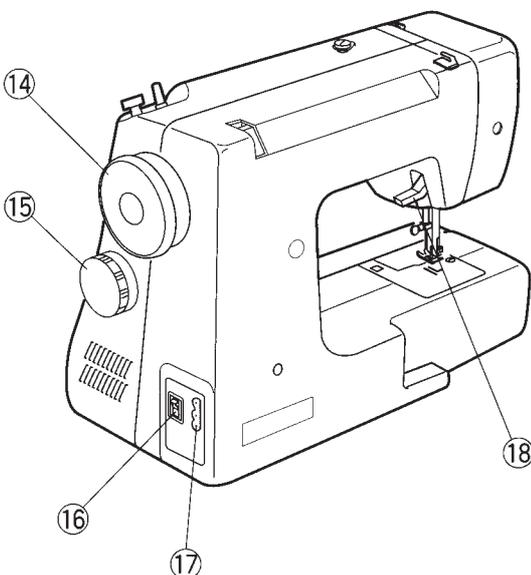
⑭ Handwheel

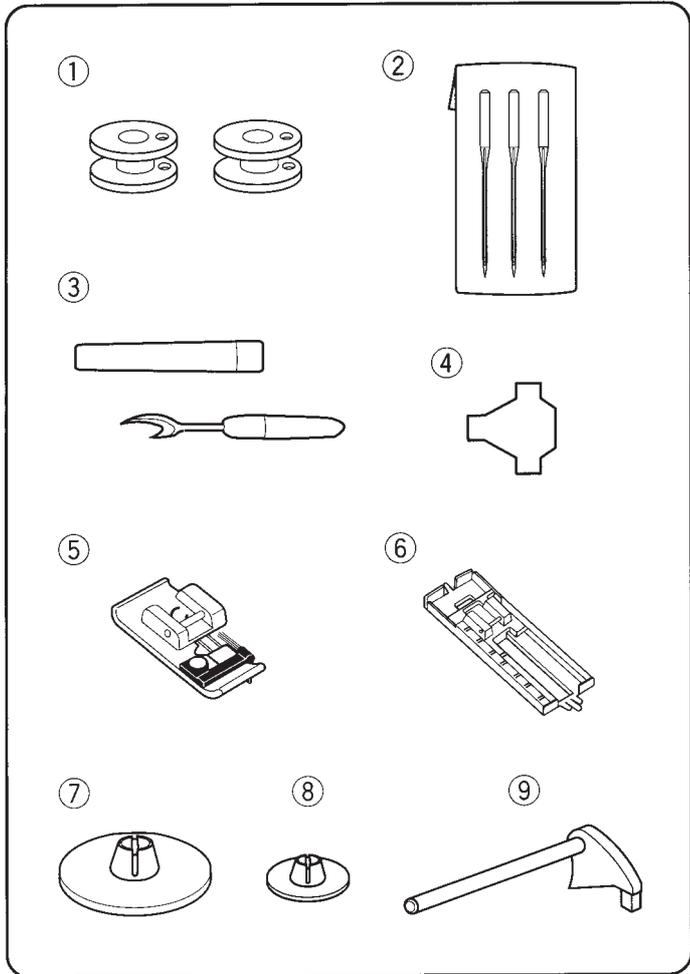
⑮ Pattern selector dial

⑯ Power switch

⑰ Machine socket

⑱ Presser foot lifter

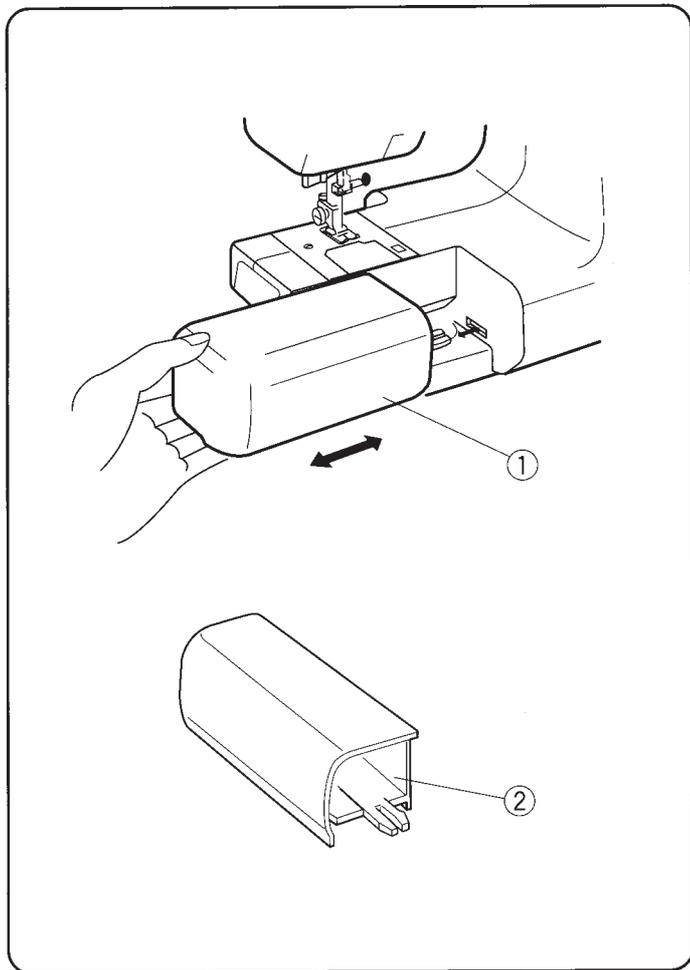




Standard Accessories and Storage Place

The following accessories are stored in the extension table.

- ① Bobbins
- ② Needles
- ③ Seam ripper
- ④ Screwdriver
- ⑤ Overedge foot
- ⑥ Buttonhole foot
- ⑦ Spool holder (large)
- ⑧ Spool holder (small)
- ⑨ Spool pin



• Free arm

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

Detaching the table:

Pull the table away from the machine, as illustrated.

Attaching the table:

Push the extension table until it snaps into the machine.

- ① Extension table
- ② Accessory storage box (for small parts)

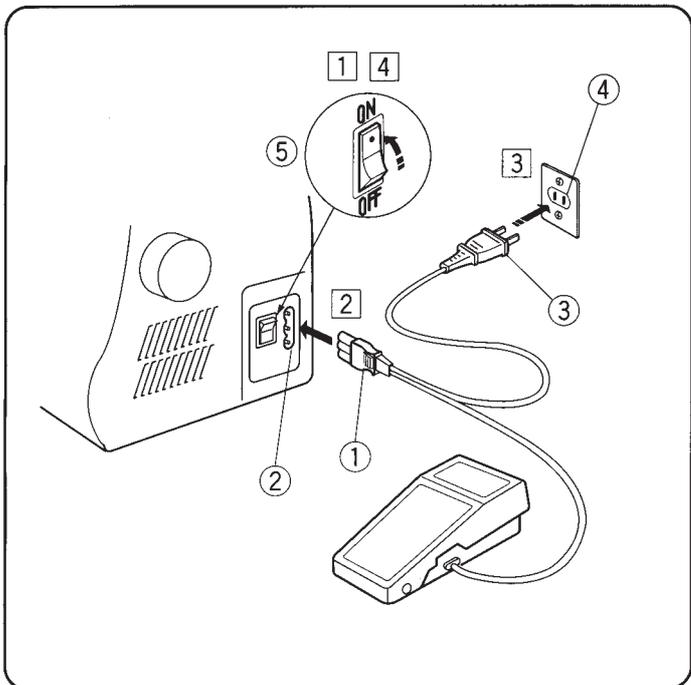
SECTION II GETTING READY TO SEW

Connecting Machine to Power Supply

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

- ① Machine plug
- ② Machine socket
- ③ Power supply plug
- ④ Electrical outlet

- 1 Turn off the power switch.
- 2 Insert the machine plug ① into the machine socket ②.
- 3 Insert the power supply plug ③ into the electrical outlet ④.
- 4 Push the power switch to turn on the power and sewing light.

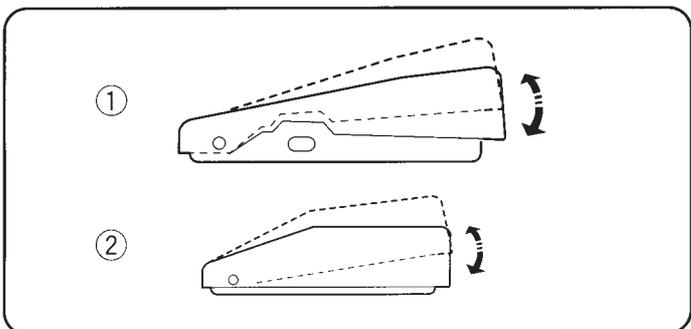


Controlling Sewing Speed

• Foot control

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

- ① 120V pedal
- ② 240V pedal



Removing and Attaching the Light Bulb

The sewing light is located behind the face plate. To change the bulb, open the face plate.

Note: When replacing the bulb, unplug the machine.

Caution: Wait for the light bulb to cool down before touching it.

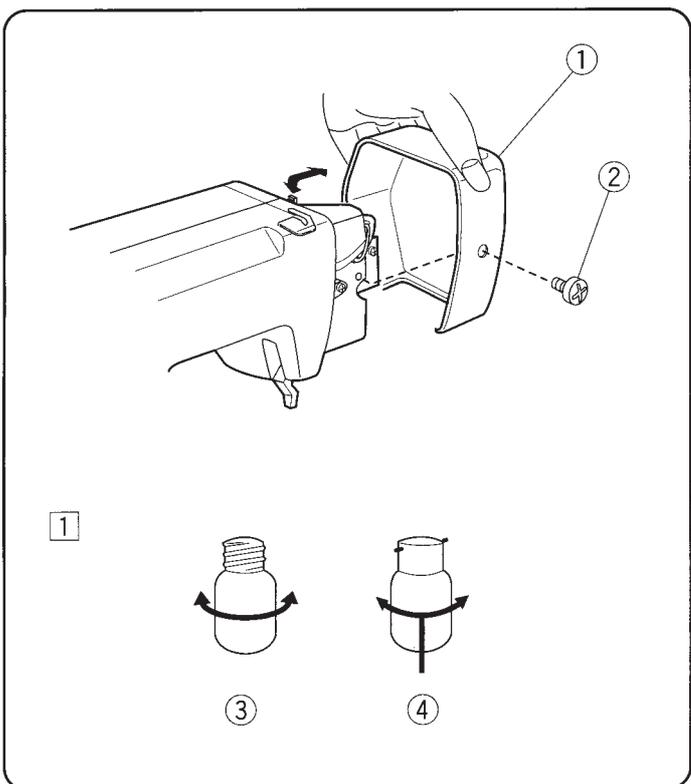
- 1 Loosen the screw and remove the face plate.

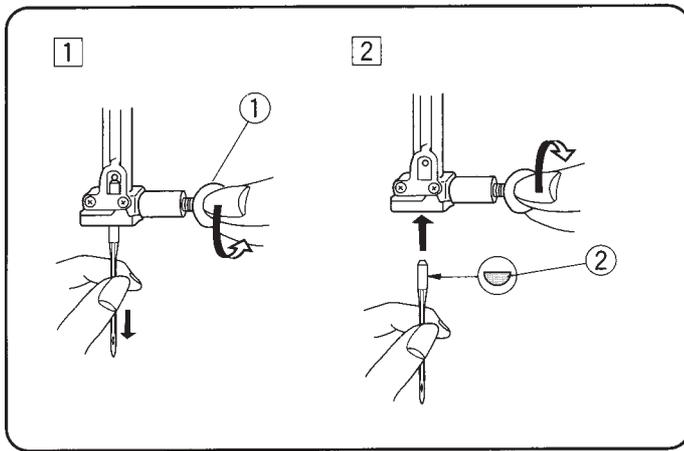
- ① Face plate
- ② Set screw
- ③

- * To remove: Turn the bulb counterclockwise.
- * To replace: Turn the bulb clockwise.

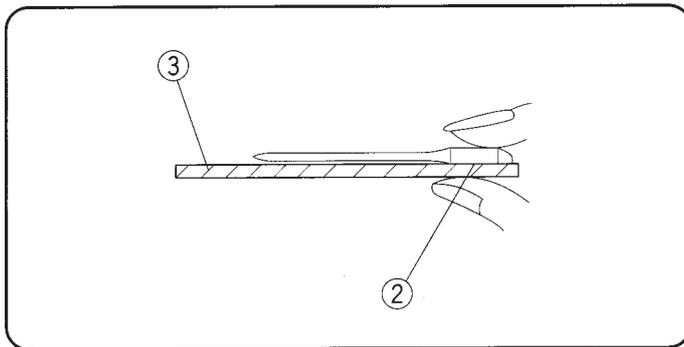
- ④

- * To remove: Push and turn counterclockwise.
- * To replace: Push and turn clockwise.





- ① Needle clamp screw
- ② Flat side of needle



- ③ Flat surface

Changing Needles

• Changing needles

- ① Turn off the power switch.
Raise the needle by turning the handwheel towards you and lower the presser foot. Loosen the needle clamp screw by turning it counterclockwise. Remove the needle from the clamp.
- ② Insert the new needle into the needle clamp with the flat side to the rear. When inserting the needle into the clamp, push it up as far as it goes. Tighten the clamp screw firmly by turning it clockwise.

• To check for a good needle

Put the flat side of the needle onto something flat (the needle plate, glass etc.).

The gap between the needle and the flat surface should be consistent.

Never use a bent or blunt needle.

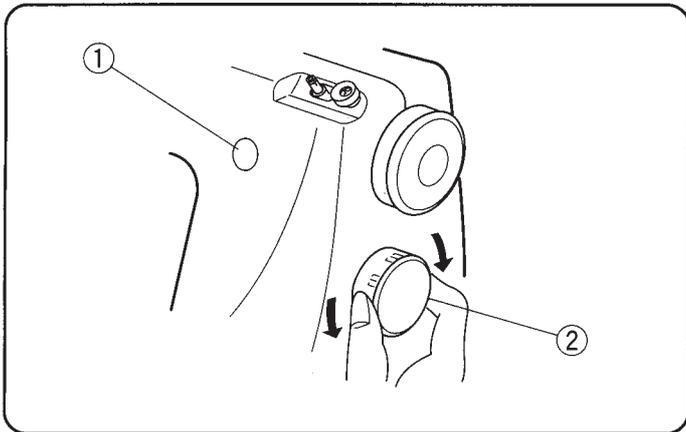
Note: Check your needles frequently for barbed or blunted points. Snags and runs in knits, fine silks and silk-like fabrics are permanent and are almost always caused by a damaged needle.

Selecting Needle and Thread

FABRICS		THREADS	NEEDLE SIZE
LIGHT WEIGHT	Crepe de Chine, Voile, Lawn, Organdy, Georgette, Tricot	80 to 100 Fine Silk 80 to 100 Fine Cotton 80 to 100 Fine Polyester	9 or 11
MEDIUM WEIGHT	Linsens, Cotton, Pique, Serge, Double Knits, Percale	50 Silk 60 to 80 Cotton 50 to 80 Synthetic Cotton-covered Polyester	11 or 14
		50 Cotton	14
HEAVY WEIGHT	Denim, Tweed, Gabardine, Coating, Drapery and Upholstery Fabric, Canvas	50 Silk 40 to 50 Cotton 40 to 50 Synthetic Cotton-covered Polyester	14 or 16
		30 Silk 30 Cotton	16

NOTE:

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

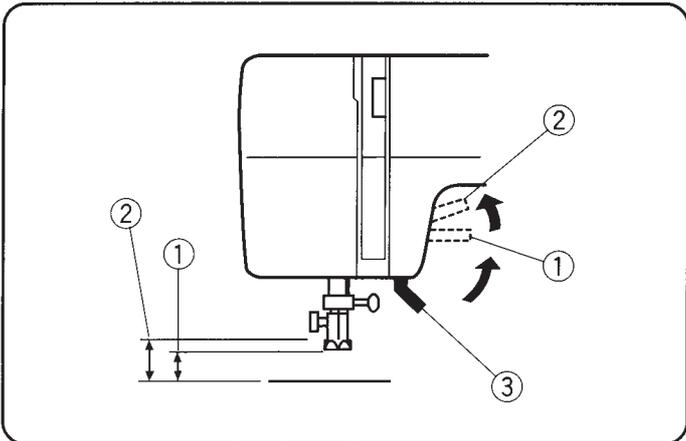


Pattern Selection

Raise the needle, turn the pattern selector dial to select the desired pattern.

Note: Do not turn the pattern selector dial while the needle is in the fabric because it causes bent or blunt needles.

- ① Pattern indication window
- ② Pattern selector dial

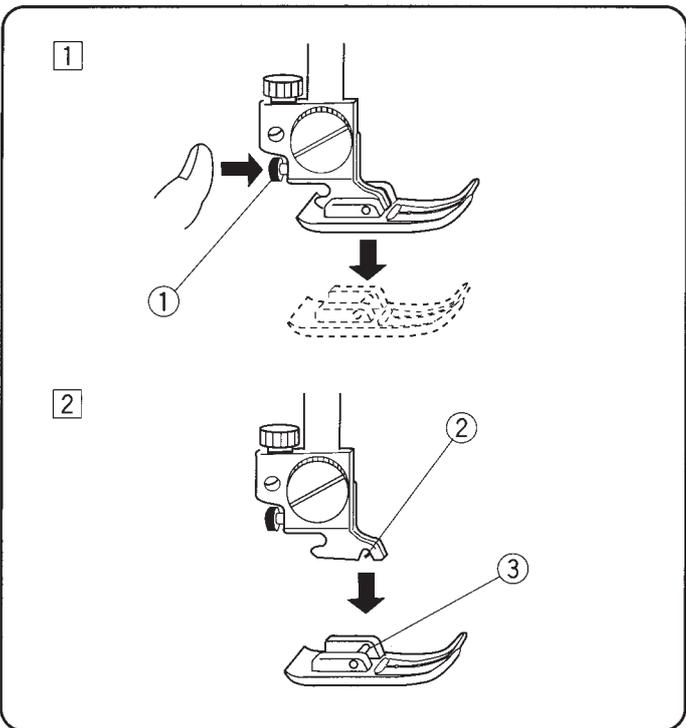


Presser Foot Lifter

The presser foot lifter raises and lowers your presser foot.

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

- ① Normal up position
- ② High position
- ③ Presser foot lifter



To Attach and Remove the Presser Foot

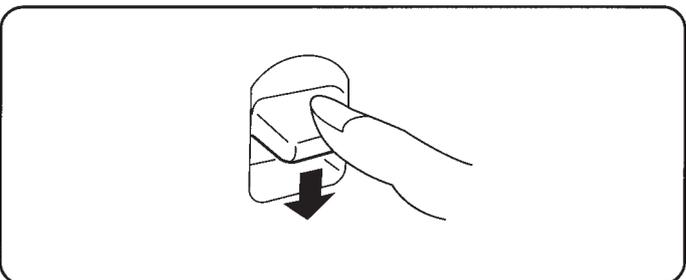
① Press the red button on the back of the foot holder.

The presser foot will drop off.

- ① Red button

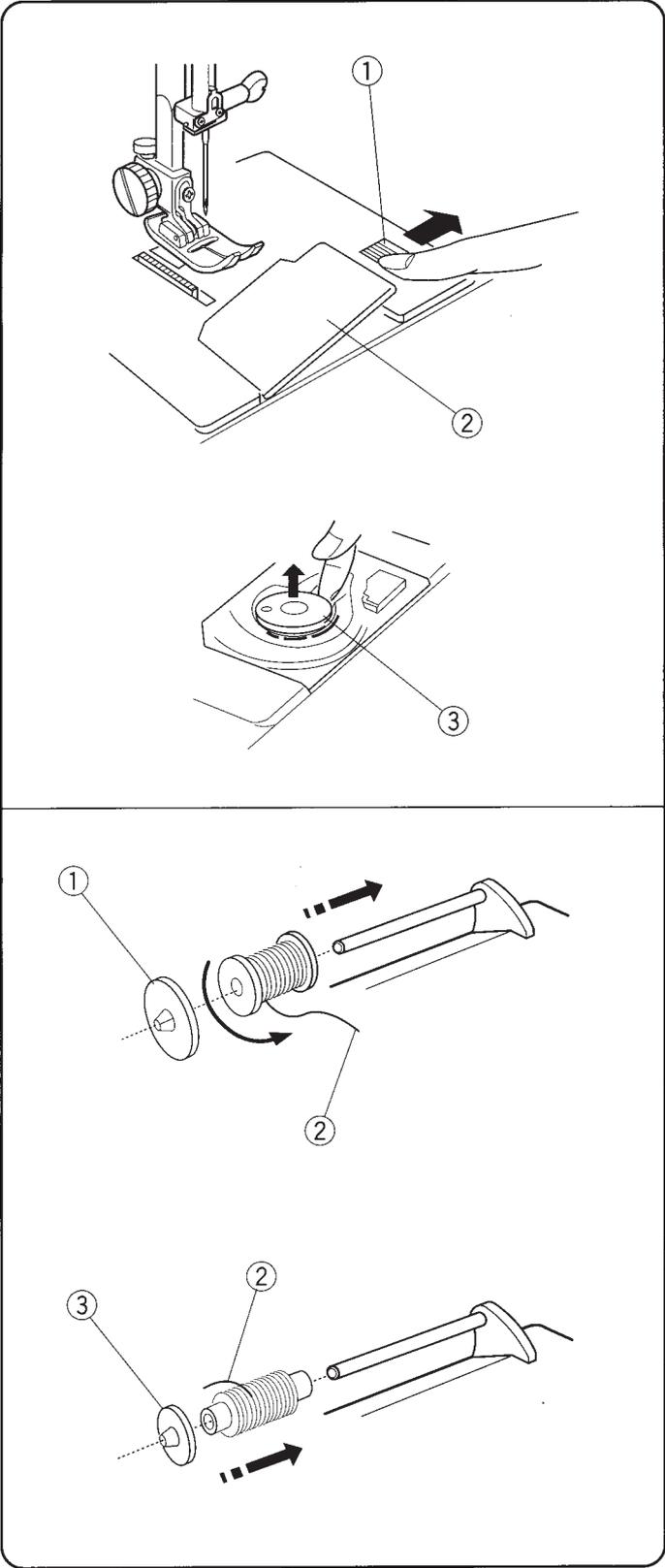
② Place the selected presser foot so the pin on the foot lies just under the groove of the foot holder. Lower the presser bar to lock the foot in place.

- ② Groove
- ③ Pin



Reverse Stitch Lever

The machine will sew in reverse while the reverse stitch lever is depressed.



Preparation of the Bobbin Thread

• Removing the bobbin

Gently slide the hook cover plate release button to the right and remove the cover plate. Lift out the bobbin.

- ① Hook cover plate release button
- ② Hook cover plate
- ③ Bobbin

• Set the spool

Place the spool of thread on it with the thread coming off the spool as illustrated. Press the large spool holder firmly against the spool of thread.

- ① Large spool holder
- ② End of thread

For small spool

- ③ Small spool holder

* The small spool holder is used with narrow or small thread spools.

• Winding the bobbin

1 Pull the handwheel away from the machine to disengage the clutch.

2 Guide the thread around the thread guide.

3 Thread through the hole in the bobbin from the inside to the outside.

4 Then put the bobbin on the bobbin winder spindle.

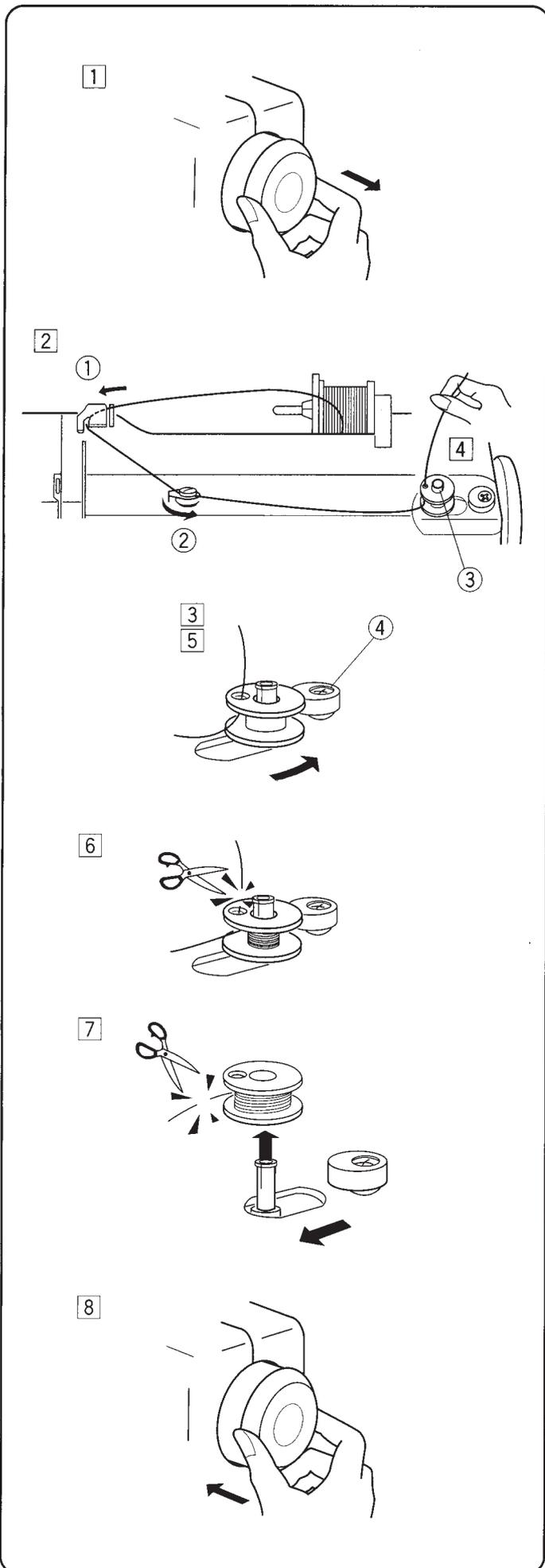
5 Push it to the right.

6 With free end of the thread held in your hand, depress the foot control. Stop the machine when it has made a few turns, and cut the thread close to the bobbin.

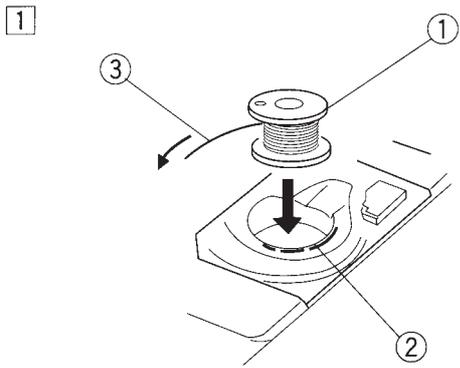
7 Depress the foot control again. When the bobbin is fully wound, it will stop automatically. Return the bobbin winder to its original position by moving the spindle to the left, and cut the thread as illustrated.

8 Push the handwheel to engage the clutch.

- ① Thread guide
- ② Bobbin winder thread guide
- ③ Bobbin winder spindle
- ④ Bobbin winder stopper

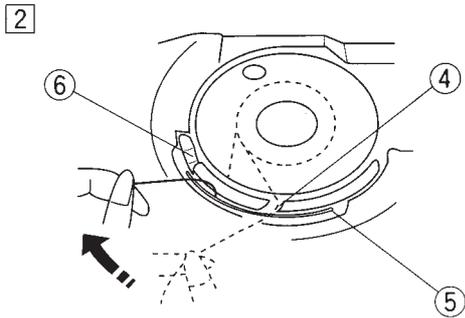


• Inserting the bobbin



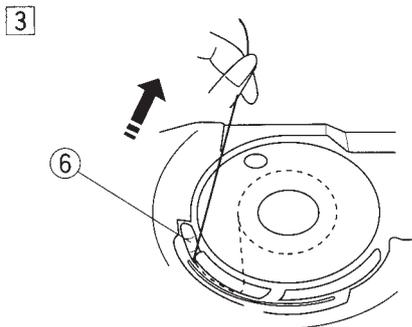
1 Place the bobbin in the holder with the thread running off counterclockwise.

- ① Bobbin
- ② Bobbin holder
- ③ End of thread



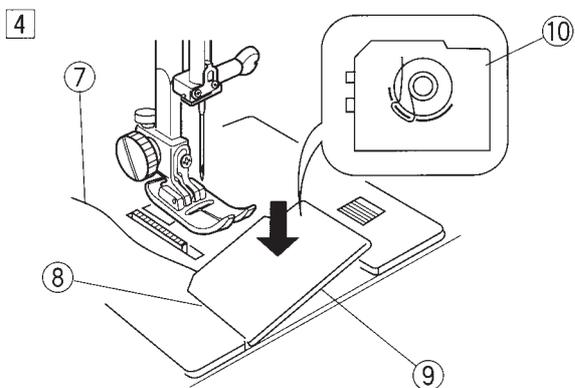
2 Guide the thread into the notch (A) on the front side of the bobbin holder. Draw the thread to the left, sliding it between the tension spring blades.

- ④ Notch (A)
- ⑤ Spring



3 Continue to draw the thread lightly until the thread slips into notch (B). Pull out about 15 cm (6") of thread.

- ⑥ Notch (B)



4 Attach the hook cover plate. Check the threading by referring to the chart shown on the hook cover plate.

- ⑦ Bobbin thread
- ⑧ Edge of the hook cover plate
- ⑨ Hook cover plate
- ⑩ Threading chart

Threading the Machine

• To set the needle thread

1 Raise the presser foot with the presser foot lifter. Lead the thread from the spool and pass it through the thread guide. Then draw it down along the right slot.

2 Then, down around the check spring holder.

3 Raise the take-up lever to its highest position by turning the handwheel towards you. Firmly draw the thread from right to left over the take-up lever and down into the take-up lever eye.

4 Draw the thread down and slide the thread behind the needle bar thread guide from the left.

5 Use the needle threader to thread the needle (see page 12).

① Presser bar lifter

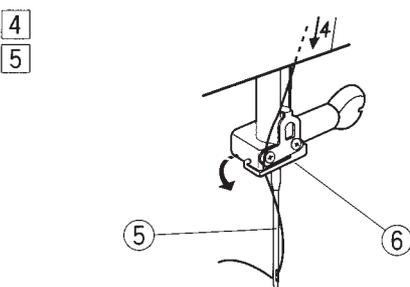
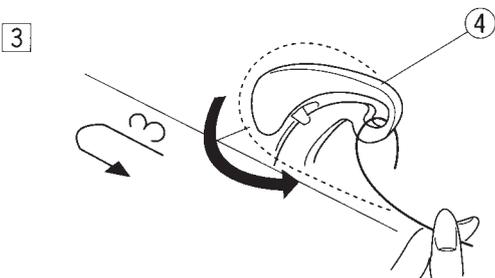
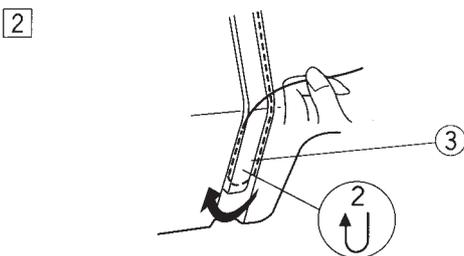
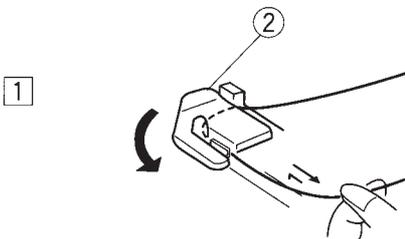
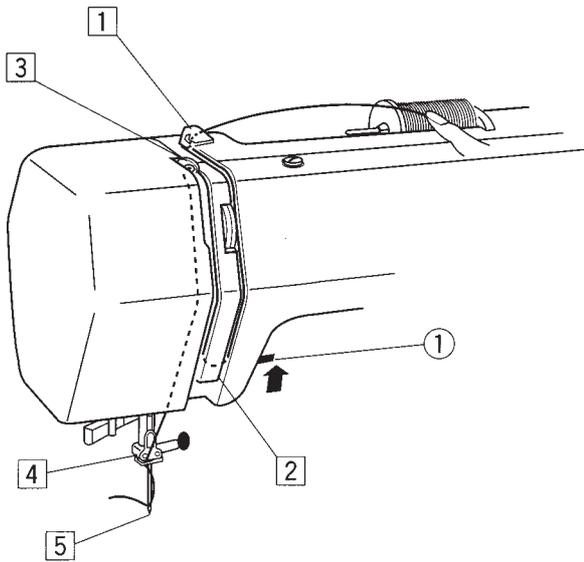
② Thread guide

③ Thread guide plate

④ Thread take-up lever

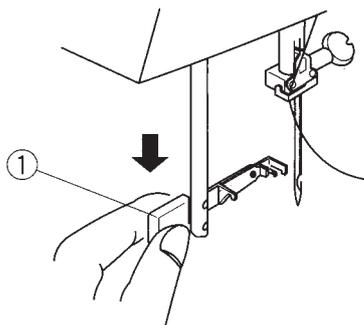
⑤ Needle

⑥ Needle bar thread guide



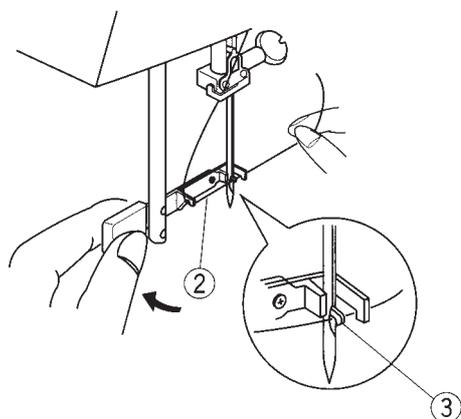
• Using the needle threader

1



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

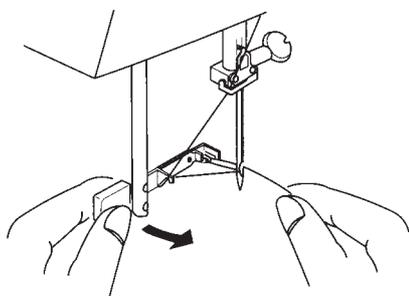
2



2 Hold the needle threader knob and pull it down to its lowest position and push it to the back so that the hook is coming out from the backside of the needle eye.

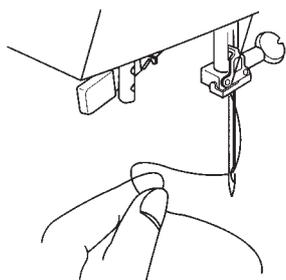
Then place the needle thread into the needle threader hook.

3



3 Push the needle threader knob towards you to pull out the needle thread and push the knob up to pull the needle thread as illustrated.

4



4 Pull the needle thread from the needle eye.

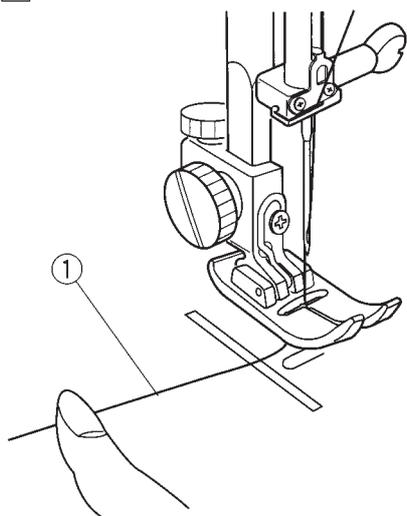
① Needle threader knob

② Guide

③ Hook

• **Drawing up the bobbin thread**

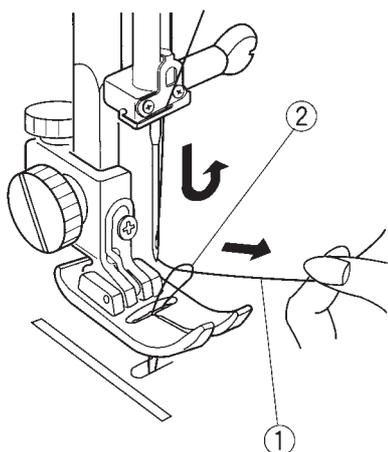
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1 Raise the presser foot and hold the needle thread lightly with your left hand.

① Needle thread

2

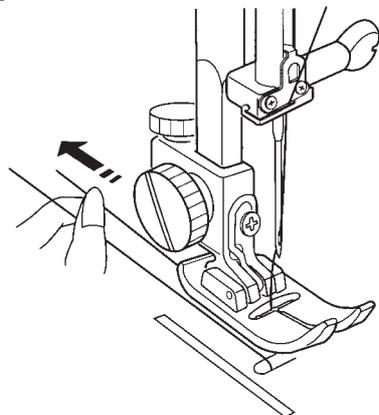


2 Turn the handwheel slowly towards you with your right hand until the needle goes down and until the take-up lever is at its highest position.

Bring the bobbin thread up by pulling the top thread.

② Bobbin thread

3



3 Pull 10 to 15 cm (4" to 6") of both threads back and under the presser foot.