Using the Sensor Pen to Specify the Sewing End Point (Version 1.05 or later)

The procedures to specify the sewing end point using the sensor pen differ from those described in the Instruction and Reference Guide. Refer to the following. We recommend that you keep this manual with the Instruction and Reference Guide.

Note

- In order to specify the location accurately, use the sensor pen to touch the end point twice. Be sure to touch the same point.
- Before starting to sew, mark the end point.

Before start sewing, test the pattern first from steps 1 to 5 to see if the stitch can be used with this function. Before starting to sew, mark the end point.

1 Turn on the machine.

2 Press the Utility or Character Decorative Stitch tab on the Utility Stitch Screen.

3 Start sewing, and then stop the machine when the desired sewing end point enters the sensor pen touch range.

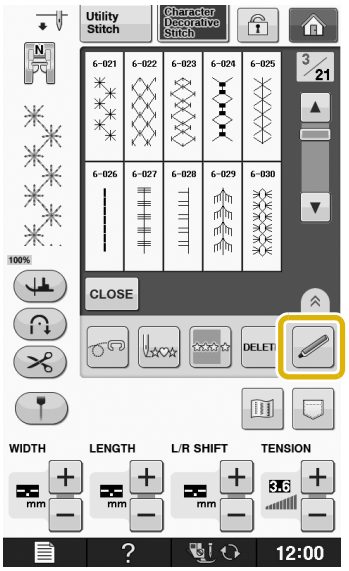
Note

- If the needle drop point is being specified with the sensor pen within 70 mm (approx. 2-3/4 inches) from the sewing end point, the machine will not require the second touch. After completing step 6, continue with step 10. However, the actual sewing end point may be slightly different than the specified location.
  In order to specify the location accurately, stop the machine at a location more than 70 mm (approx. 2-3/4 inches) away from the sewing end point before specifying it for the first time.

Memo

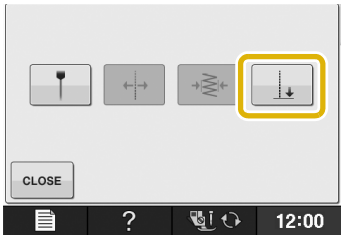
- If the needle drop point is greater than 100 mm (approx. 4 inches) from the selected ending point using the sensor pen, a more accurate position can be specified the second time that the point is touched.

4 Press .



→ The sensor functions screen appears.

5 Press .



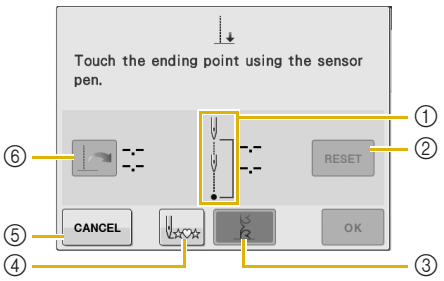
→ The sewing end point setting screen appears.

Note

- If is not available, the sewing end point cannot be specified with the selected stitch pattern. Select a different stitch pattern.

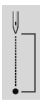
6 With the sensor pen, touch the location to be specified as the sewing end point.

→ The distance from the current needle position to the touched location appears.



① It shows how many times you need to touch the sewing end point, once or twice.

Touch once



Touch twice

② Press to erase the specified sewing end point.

③ Press to select whether or not sewing is ended with a complete pattern.

→ See "Stitch End Mode Key" on page 3.

④ Press to begin sewing at the beginning of the pattern.

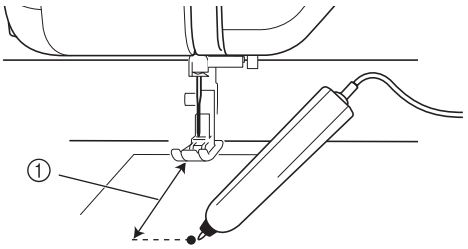
⑤ Press to stop specifying a setting with the sensor pen.

⑥ Press when sewing the same distance as the previous time to recall the previous setting.

→ See "Reusing the Previous Setting" on page 4.

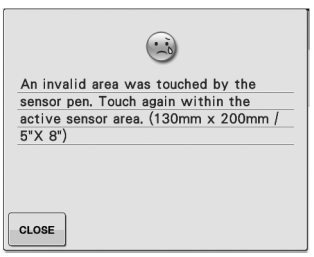
Note

- The displayed distance is not the length of a straight line connecting the current needle position and the location touched with the sensor pen. It is the length of a perpendicular intersection for the location touched with the sensor pen and the sewing line.



① Displayed distance

- The following error message appears if the area outside of the sensor pen touch range is touched. Press CLOSE, and then touch within the sensor pen touch range.



- When sewing with this setting, be sure to gently hold the fabric and feed it straight.
- When using the sensor pen to specify the sewing end point, be sure to hold the pen in the same way as when it was calibrated, otherwise the actual end point may be different from the point that you specified.
- For best results, sew test stitching using the same material and stitch pattern as those in the actual project.

Stitch End Mode Key

	The end of stitching is not adjusted. When the end point is reached, sewing stops immediately, even if the stitch pattern is not complete.	
	The length of the stitch pattern is adjusted so that sewing will stop at the specified end point with a complete pattern.	

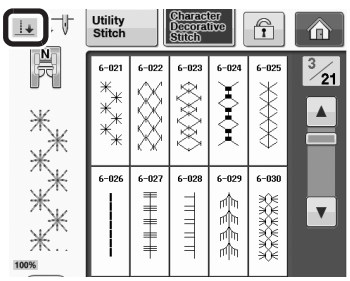
Note

- The stitch end mode key is not available with the following situations.
  - When only is shown. The adjustment of the stitch end is not available with the selected stitch, and only one icon will be shown.
  - When the stitch end mode key is grayed out.
  - When specifying the sewing end point at the point that needs adjustment more than 20% of the length of a pattern, to finish a pattern completely.
- In order to end sewing with a complete pattern, we recommend reducing the size of the pattern. Sewing with a long pattern may not end with a complete pattern.

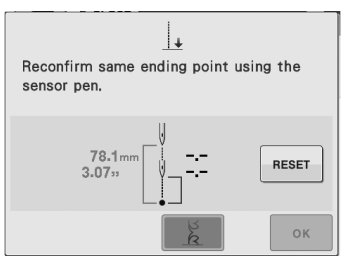
7 Press OK, and then continue sewing.

* The setting can also be applied by long touching an adjustment area with the sensor pen.

→ When a sewing end point setting is specified, appears in the upper-left corner of the screen.

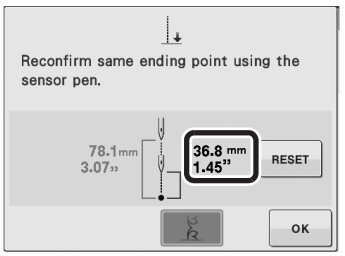


→ The machine automatically stops with the needle in the fabric, at about half the distance to the specified sewing end point, and the sewing end point setting screen appears.



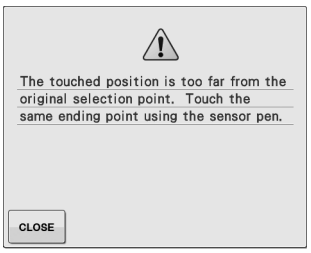
8 With the sensor pen, touch again the location to be specified as the sewing end point.

→ The distance from the current needle position to the touched location appears.



Note

- By using the sensor pen to touch the sewing end point twice, the distance will be accurately specified. Be sure to touch the same point.
- The following error message appears if the location touched the second time is different than the location touched the first time. Touch the correct location.



- The stitch end mode key cannot be used when specifying the sewing end point for the second time.

9 Press OK to apply the sewing end point setting.

* The setting can also be applied by long touching an adjustment area with the sensor pen.

10 Start sewing again.

* The machine stops at the specified end point automatically.

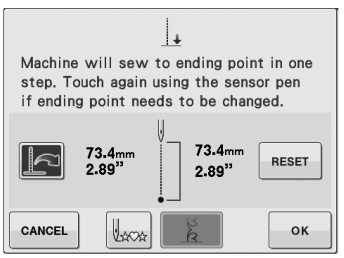
■ Reusing the Previous Setting

When using the same fabric and pattern to sew the same length, the previous setting can be used again, instead of using the sensor pen to specify the sewing end point each time.

To use the previous setting, repeat steps 3 through 5 then press in step 6, instead of using the sensor pen.

* If was pressed, it is unnecessary to specify the sewing end point for the second time. Continue with step 10 to continue sewing until the machine automatically stops at the sewing end point.

* Be sure to press to begin sewing at the beginning of the stitch pattern.



Note

- This resume function will only repeat the sewing distance that has been assigned within the 200 mm (approx. 8 inches) distance from the needle point to the sewing end point.
  If you are already sewing and you stop the machine to specify the ending point, when pressing to duplicate the previous setting the machine will only repeat the distance from where you stop the machine to the ending point.
  You can change the sewing end point after pressing by touching the new end point with the sensor pen. For better result, however, it is rather recommended to specify the end point again from the beginning.
- The sewing end point cannot be recalled in the following situations. (The key is not available.)
  - When the machine has been turned off.
  - When a pattern is changed, added or deleted.
  - When the stitch length is changed.
  - When a pattern is flipped vertically.
  - When the dual feed foot is attached/detached.
  - When the feed position lever of the dual feed foot is raised/lowered.
- To cancel the previous setting, press . Continue the procedure from step 6.
- The sewing end point can be recalled; however, if the sewing conditions have changed, for example, different fabric is used, the sewing end point must be specified again from the beginning.

XF6044-001