

BERNINA⁺

Information on Software Update
BERNINA 8 Series, V29.39.00



Information on Software Update

BERNINA 830 / 820

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SOFTWARE VERSION

The Release Note V29.39.00 is in addition to the Release Note V29.21.40 (6/2009).

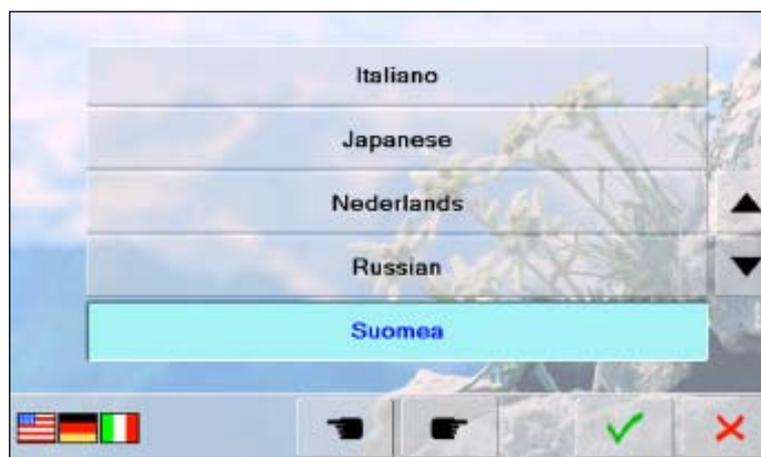
The newest firmware version for:

Sewing machine	Firmware	Embroidery module
BERNINA 830	V 29.39.00	V 1.00.10
BERNINA 820	V 29.39.00	Not available

1 GENERAL CHANGES

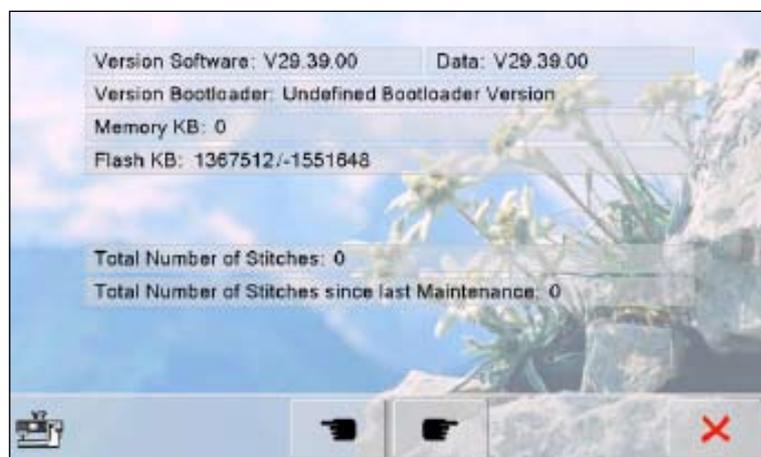
1.1 Language "Finnish" integrated

The following languages are now integrated: Danish, German, English, Spanish, French, Italian, Japanese, Dutch, Russian, Swedish, Turkish and Finnish.



1.2 Display of data version number

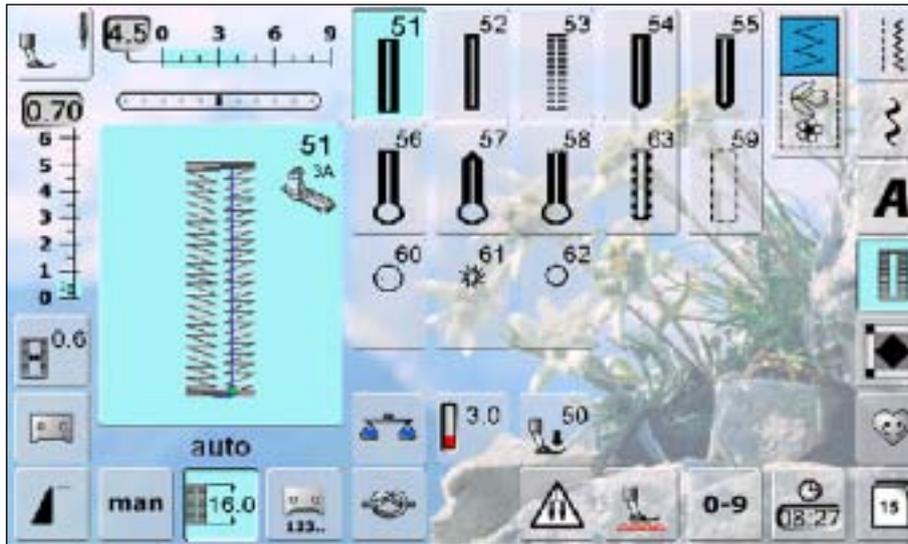
In "Setup-Program/Information/Version", the version of the data is visible. Data contains all sewing and embroidery stitches.



2 SEWING UPDATES

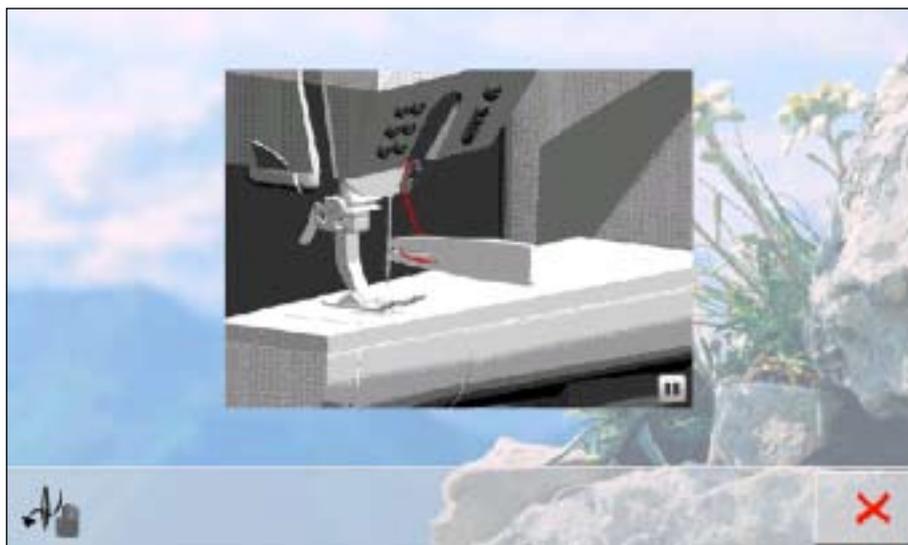
2.1 Thread tension for the underlay segments (buttonholes)

To eliminate possible thread loops, the thread tension for segments with short step stitches is increased from 2.0 to 3.0.



2.2 Manual threading

In some cases during manual threading, the thread swing support mechanism can be blocked. This update avoids this issue without performing any mechanical readjustments.



2.3 The use of straight stitch feet with thread cutting

The opening of the straight stitch foot is 0.4mm on both sides. The “tie on” stitch after cutting is 0.4mm to the left side. After thread cutting, the first stitch failed resulting in the animation “needle will penetrate presser foot” due to the narrow tolerance in the foot opening. This has been resolved.



2.4 Disable automatic thread cutting when opening the bobbin door

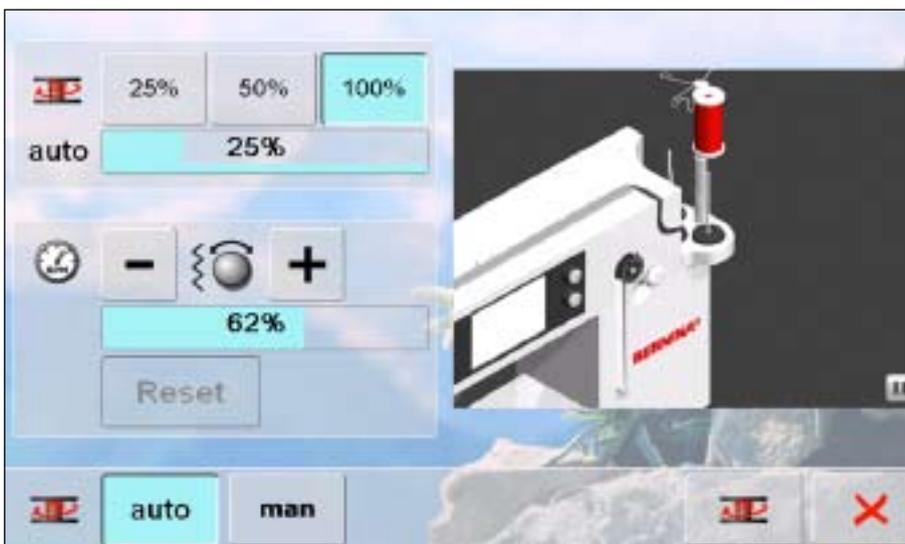
Previously the thread was cut automatically before the hook turned to the front. To accommodate the need to change the bobbin without cutting the upper thread, the cutter is disabled and the “lower thread empty” message appears.

2.5 Thread cutting without fabric movement

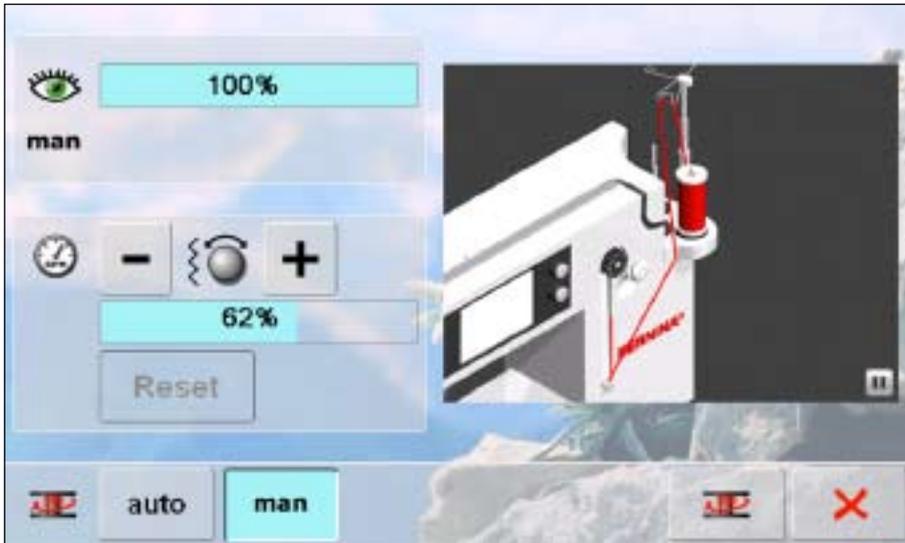
Thread cutting with the needle stop down, will NOT result in fabric movement.

2.6 “Manual” winding of the lower bobbin thread

The filling process stops at a detection of 100% fill level. As a result of mechanical tolerances, it is possible that the bobbin does not fill to the maximum capacity.



In addition to the "automatic" mode, an extended manual mode is implemented.

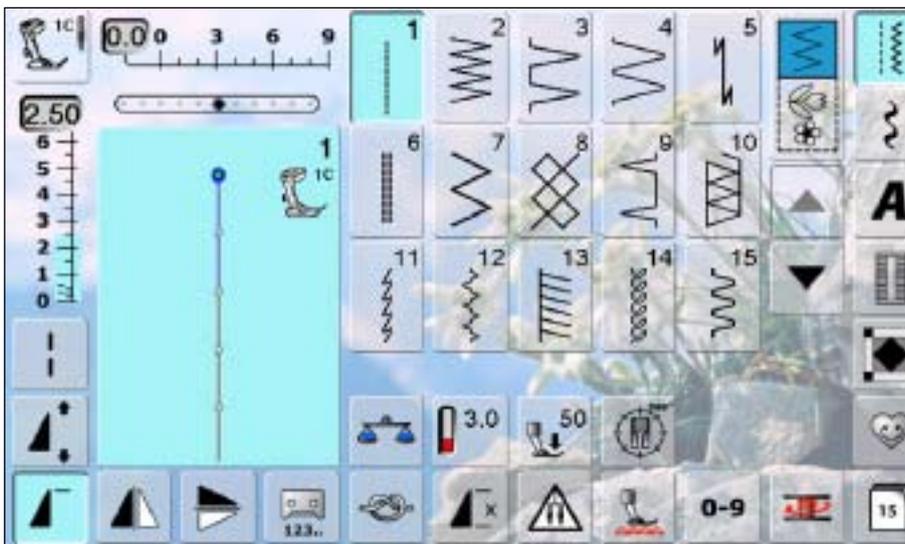


This mode gives the user the opportunity to start and stop the winding process by holding and releasing the winding button.

2.7 Winding indicator during sewing/embroidery



When closing the winder menu during winding, the clock symbol changes to the winding symbol and allows switching back to the winding menu.



2.8 Reset of back stepping history

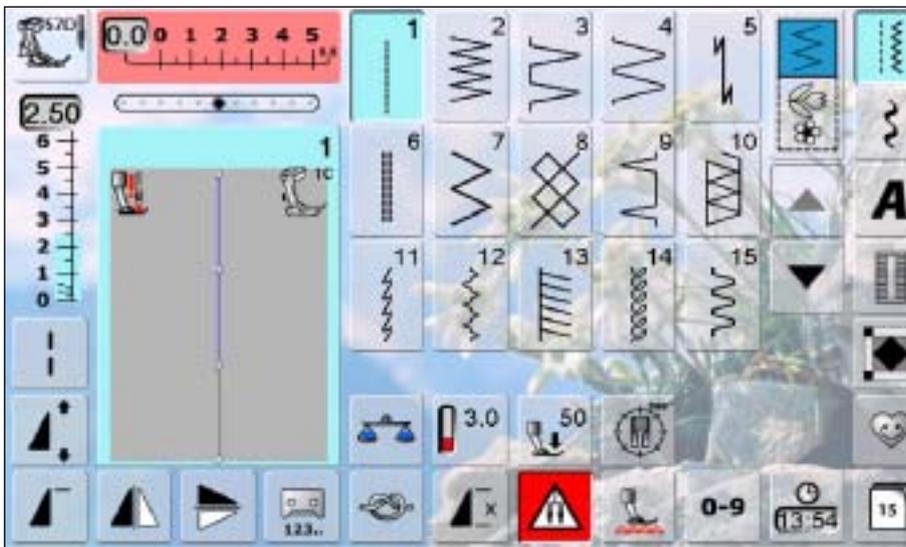
Lifting the presser foot when the needle is up automatically deletes the back stepping history in memory.

2.9 Thread breakage hint

If the thread breaks, press the threading button to open the thread tension and remove the thread. Rethread the normal way.

2.10 Problem with Foot #57D and straight stitch compatibility

Select stitch #1, attach and select the foot #57D (Patchworkfoot with guide). Open the securing function and select the straight stitch plate.

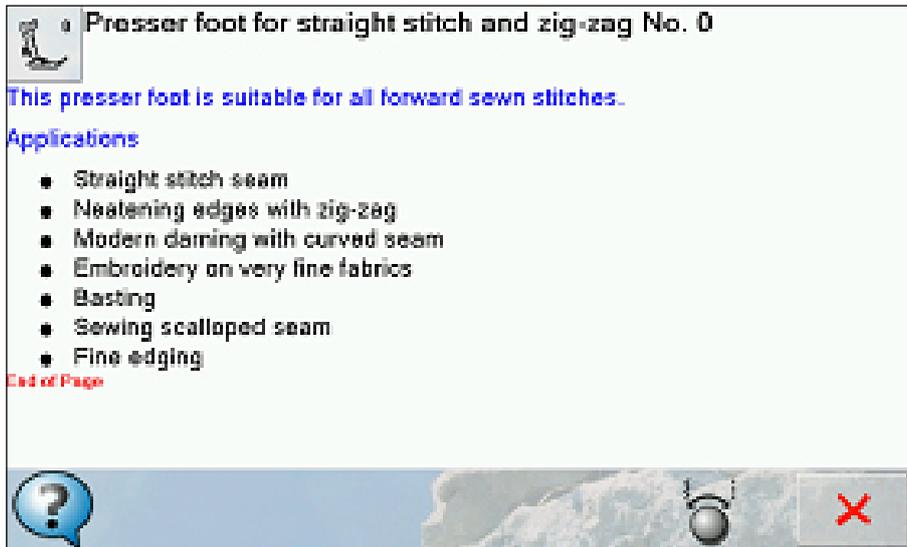


Now, it is possible to start the sewing process, without the warning message appearing:



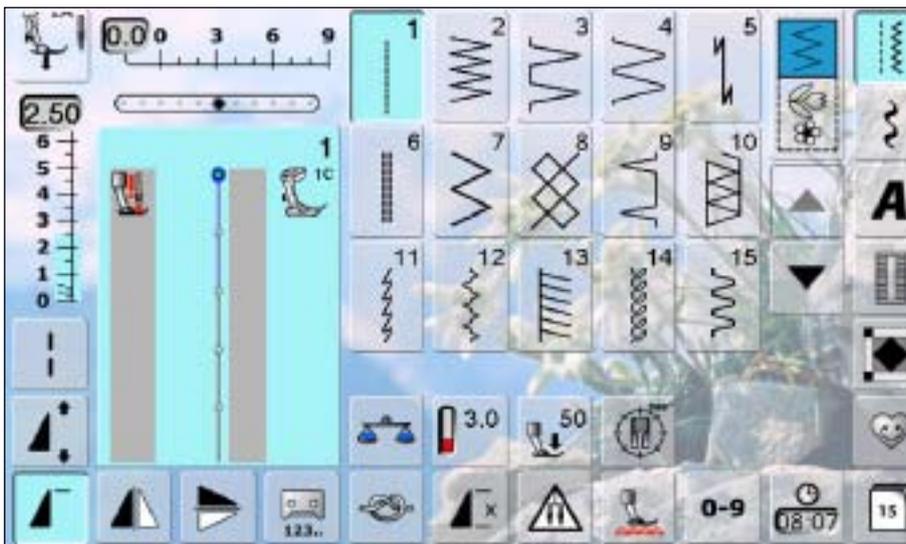
2.11 Presser Foot #0 can be used for automatic threading. With the “Walking foot” automatic threading is not possible

The original help text mentioned that the machine cannot be threaded automatically with foot attached. New help text implemented:



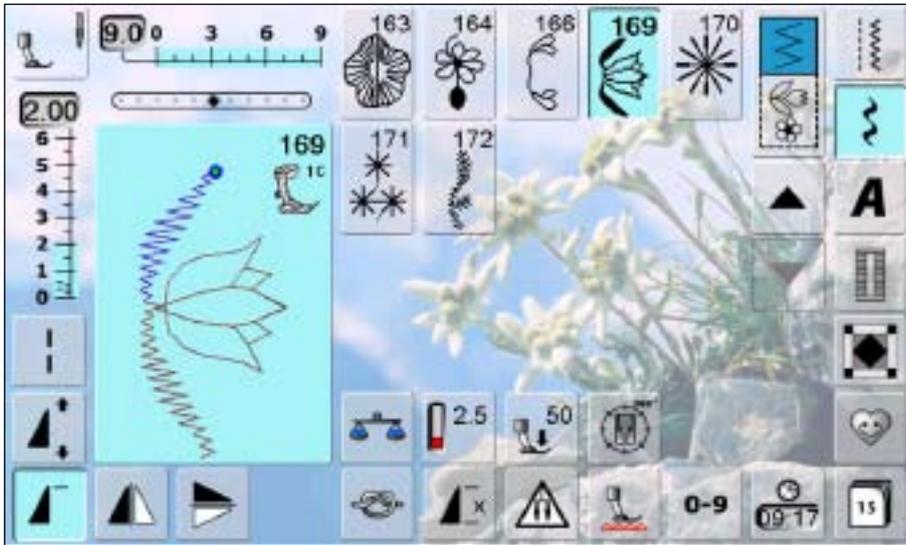
2.12 Information Foot #2a corrected

Data correction of the dimensions of the presser foot sole.



2.13 Pattern #169 improved

Elongation limited to a maximum value of two for optimal results.



2.14 Tension changed for the "tie on" stitches

To improve the "tie on" quality with stretchy threads, such as polyester, monofilament etc. the tension setting for the first four stitches is reduced.

2.15 Upper thread detection changed

To prevent an inaccurate warning messages from the upper thread detection, if the thread tension is detected not to be correct the machine now stops after eight stitches.

New:

Max. Warning Stitches = 8

Before:

Max. Warning Stitches = 6

3 EMBROIDERY UPDATES (BERNINA 830 ONLY)

3.1 Start of embroidery

If the Start button was pressed while the bobbin door was open, either the embroidery start was not possible or the start position was incorrect. This has been resolved.

3.2 Using zoom option with panning

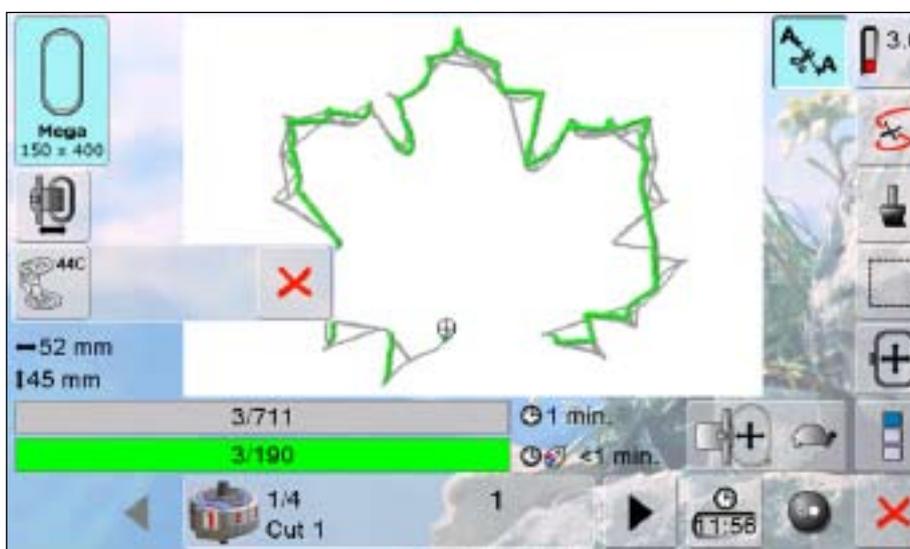
When using the zoom option, only the view of the design will be moved. The hoop position relative to the design will not be changed.



3.3 Using Foot #44C (The new CutWork & Echo quilting foot)

Developed for the CutWork tool, this foot can also be used for quilting.

For designs with "cut" and "normal" embroidery layers, the foot #44C can be selected in the stitch out mode. The outlines for the selected foot will be immediately set. The position of the design will not change.



3.4 Thread tension can be changed to a minimum of 0.5

A new parameter controls the minimum thread tension range (between 0.0 - 1.0)

In the embroidery mode, the thread tension can be lowered to a minimum level of 0.5, instead of 1.0.



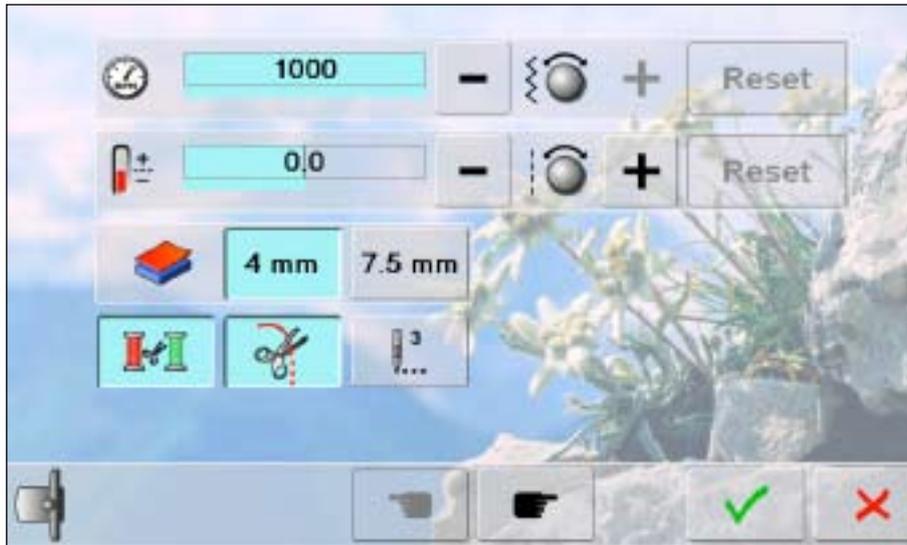
When decreasing the tension values to less than 1 a warning message appears. After confirmation, the minimum tension of 0.5 can be set.



3.5 Stop for manual cutting can be switched off



Deselecting of the scissor symbol, will disengage the stop sequence for manual cutting at the beginning of a design or color.

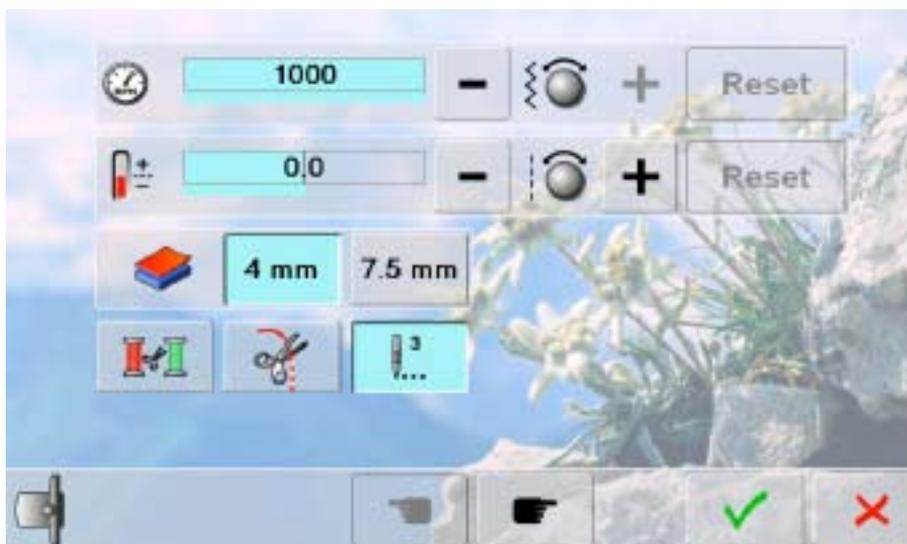


3.6 Manual "tie on" for embroidery



Disabling of the "tie on" button will disengage the automatic tie on. User brings up the lower thread manually and during the first stitches the thread must be held.

Attention: If "tie on" is deactivated, the setting for jump stitches will be ignored and the cutting of jump stitches is NOT possible.



When the machine is turned off it returns to "activated".

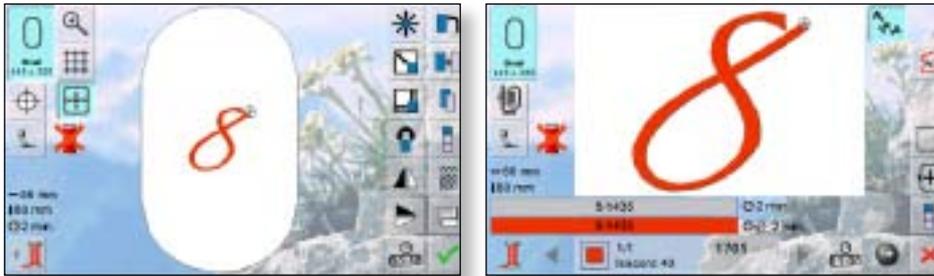
3.7 Delay of Start/Stop button has been reduced for embroidery

Delay time reduced from 800ms to 200ms

3.8 Thread breakage during jump stitches

The tension was closed during the module movement when the function "cutting of jump stitches" was disabled. This potentially caused thread breakage. This has been resolved.

3.9 Stitching "without thread", is displayed in embroidery mode



As is in sewing mode (in setup), the selected "no thread" mode will be displayed.

4 IMPORTANT POINTS

4.1 Hoop calibration

Calibration of hoops has to be done after updating the BERNINA 830.

4.2 Feedback issues

Please inform BERNINA (standard information way) about any unusual crashes, error messages and malfunction in form of a log file. Please document every step of the application and manipulation that led to the malfunction so that the process can be reproduced.

4.3 Free memory

If there is nothing stored on the sewing machine memory and the free memory counter does not show 100%, the software version has to be updated again (this will free all allocated memory not used).



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