

BERNINA Firmware Release

BERNINA 830

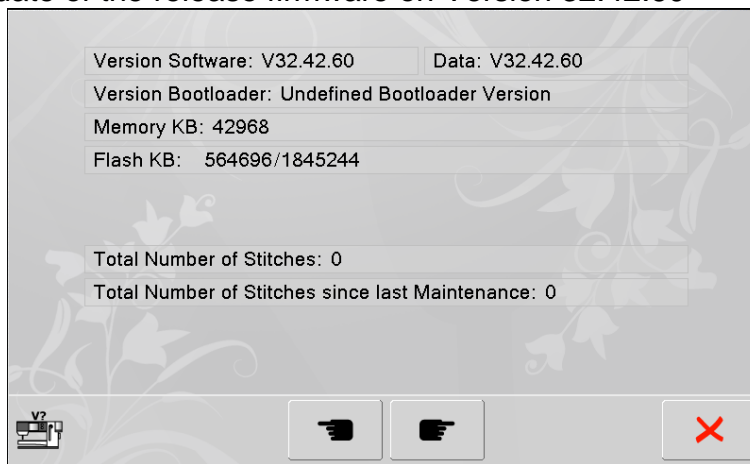
V32.42.60

Steckborn, October 2012

The following points have been optimized in the new firmware for the BERNINA 830:

Initial situation

Update of the release firmware on Version 32.42.60



- 1.) DesignWorks
With the new update B 830 is compatible with all the tools from DesignWorks and can recognize and apply the new DesignWorks accessories.
- 2.) A new manufacturer supplements the color range of the various thread producers



3.) Upper thread monitoring

With previous versions there were reports of thread breaks in some cases, without a thread break actually having taken place. The trigger threshold of the upper thread monitor to report a thread break has been shifted to avoid false reports.

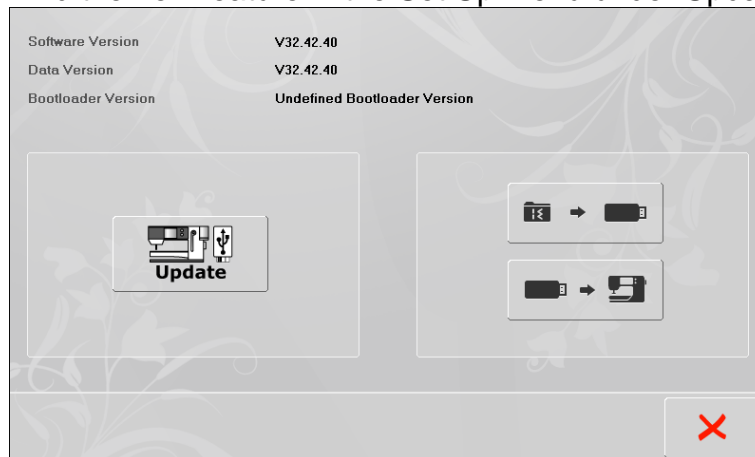
4.) Thread tension setting in embroidery

the thread tension setting (upper thread) is dynamic with the new software version, i.e. the machine regulates the thread tension continuously and independently depending on the stitch length, position in the hoop and the stitch direction. Normal adjustment noises of the machine can be heard during the dynamic setting process.

5.) Data back up to USB stick

The data of the B 830 should be protected cyclically – just like for other software-supported appliances. This data can be extracted from the machine via a USB stick and the data then protected/saved on a PC.

Find the new feature in the Set Up Menu under Update



6.) Sewing foot height lowered with BDF

Initial situation:

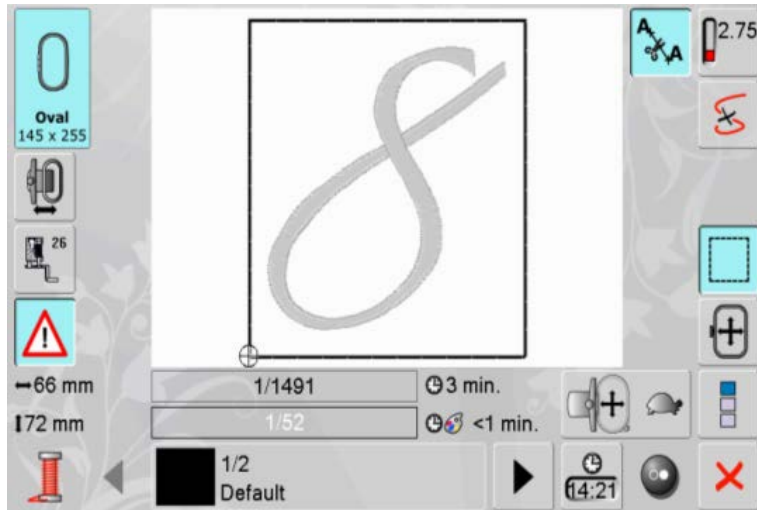
Needle stop setting : top
Needle foot position : top

The 4D sewing foot has a pre-installed height setting, which the machine accesses automatically. The distance to the needle is set at greater distance when doing this. This distance now avoids contact between the needle and the sewing foot, which led to abrasion on the needle.

If this sewing foot has not been expressly selected in the machine, the machine will automatically set a different height and there may be contact from the needle to the sewing foot, which can result in abrasion to the needle and in the worst case to the needle breaking.

7.) Color for basting stitch and reference points

The marking of the basting stitches is indicated in black:



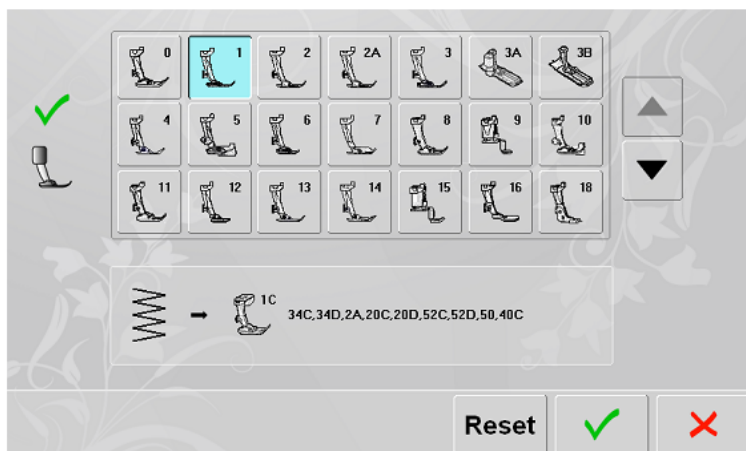
The marking of the reference points is indicated in red:



- 8.) Now sewing foot selection has a memory function
 If the machine recognizes an optic, which will NOT fit with the selected sewing foot, the last sewing foot that fits will be selected automatically.

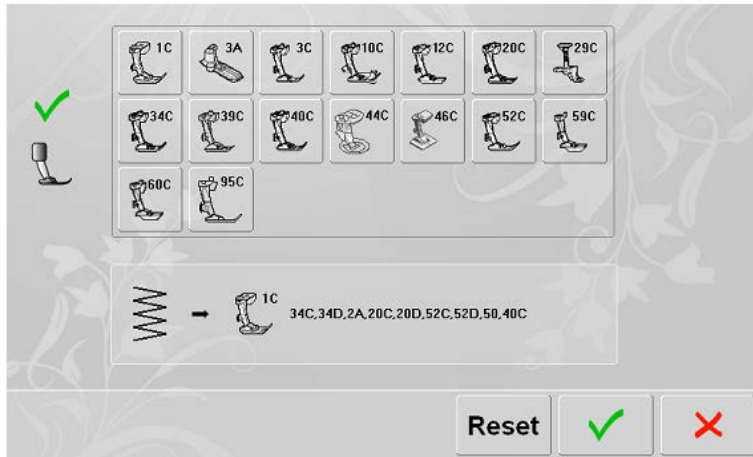
Example:

Select stitch 2, use sewing foot 1 and select in the User Interface

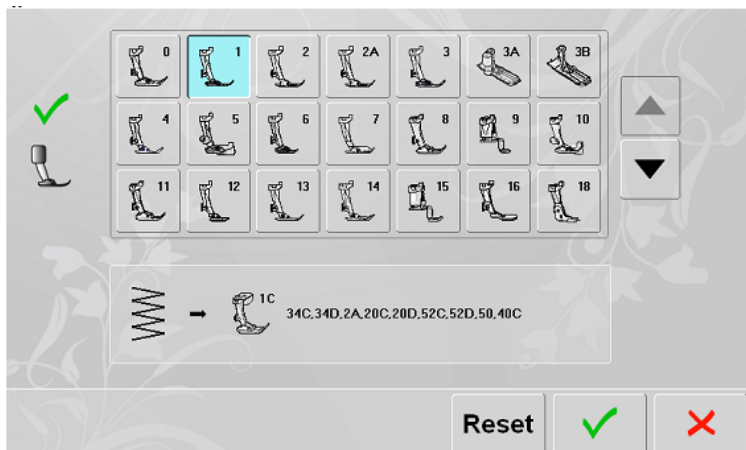


Install sewing foot 1C and select in the User Interface

The grouping of the sewing foot will now be recognized by the machine through the optics



Remove sewing foot 1C: this means that the sewing foot with optics is removed and will not now fit with the selected Foot 1.
 The reaction of the machine: this now chooses the previous sewing foot itself (in other words the sewing foot without optics), sewing foot 1.



Best wishes

BERNINA International AG
 Steckborn