

Information on BERNINA 820 and BERNINA 830 Software Update

1 General

1.1 Version Number of the Update

The version of the new software appears in «Setup Program/Information/Version 30.16.20». All sewing (BERNINA 820/830) and embroidery information (BERNINA 830) are contained in the data.

We recommend to recalibrate the Oval, Mega and Jumbo hoops after each updating. (BERNINA 830)

If after an update the memory capacity does not display «100%», and no data is stored, the update must be performed once more.



1.2 Range of Languages

The Czech language can now also be selected on the screen.

2 Sewing Updates

2.1 Sewing Stitch Pattern No. 4

The stitch pattern formation of stitch no. 4 has been improved in the curves of the stitch pattern.



2.2 Error Message during Threading

It is now possible to remedy jamming of the threader occurring during the downwards movement of automatic threading by means of an operation on the screen. The hand wheel must not be rotated while this is being accomplished.

As soon as the threader jams, a message appears on the screen. This message indicates that the threader should be moved forwards, i.e. towards the user. Only afterwards should the green tick mark be pressed for confirmation. The threader then returns automatically to the proper threading position.



The following text appears:

Do not move handwheel. Threading mechanism is blocked. Move thread runner manually in center position and confirm. Machine drive will move to unlock threading mechanism.



2.3 Backstepping Function with Presser Foot No. 4

This function was corrected in conjunction with presser foot no. 4. It is no longer possible for presser foot no. 4 to be oversewn with a far left or right needle position.



2.4 Stitch Pattern Display

This field now displays the changes in the sewing stitch pattern in terms of stitch length and width, when the machine is sewing.



2.5 Sewing Speed with Specialty Needles

When working with special needles (e.g. twin or triple needles), the maximum speed is reduced to 800 RPM, and the sewing start is more slowly at seam beginning.

2.6 Securing Stitches

Securing stitches can now be switched off permanently at the beginning of a stitch.





When the machine is restarted, the following message appears on the screen:



2.7 Upper Thread Indicator

If you notice an error in the upper thread indicator, you can turn it off.



When the machine is switched on, a message is displayed to the effect that the upper thread indicator is off. To correct this error, please consult your dealer.

2.8 Stopping the machine during stitching an automatic buttonhole

Problem:

If the sewing process is stopped by the sewer (i.e. not automatically because of thread breakage or a similar event) before the automatic buttonhole is completed, the presser foot will be lifted and the slide moved to front. The buttonhole can then not be finished accurately any more. A solution to this exceptional case has been found:

When using the automatic buttonhole foot 3A, the selected functions «Needle stop down» and «Hover position of presser foot» become **inactive**. The advantage is that when stopping during sewing the slide won't move backwards and lose its sewing position. The presser foot must be lifted via the «Presser foot position» button.





2.9 Saving the Presser Foot Pressure Settings

The altered presser foot pressure settings are now also saved in the Personal Program. In the example, zigzag stitch no. 2 is selected with a presser foot pressure with the value «80».



After the stitch is saved, the presser foot pressure is displayed in the Personal Program with the value «80».



2.10 Sewing without thread

After selection of «Sewing without thread» in the Setup Program, the «Automatic thread cutter» button on the head frame is inactive.





3 Embroidery Updates (only BERNINA 830)

3.1 Modes for Embroidery Speed

With this release, it is possible to adjust the embroidery speed for **all** the BERNINA hoops that can be selected in the display. The optimum embroidery speed is pre-programmed as standard and indicated with the tortoise symbol.



If you switch to maximum speed - represented by the hare symbol - embroidery quality is not guaranteed.



3.2 Embroidery Settings

Fabric thicknesses between 4.0 mm and 10.0 mm can now be selected. The setting is temporary. The speed is adjusted to the fabric thickness.





3.3 Securing Stitches in Embroidery Mode

The securing stitches can now be switched off permanently at the beginning of a motif.



When the BERNINA 830 is restarted, the following message appears on the screen:



3.4 Limited Editing Functions with Cutwork Designs

The mirroring functions up/down and left/right are not active, when a cutwork design is used. Furthermore, the multifunctional knob for rotating designs is also not active.

