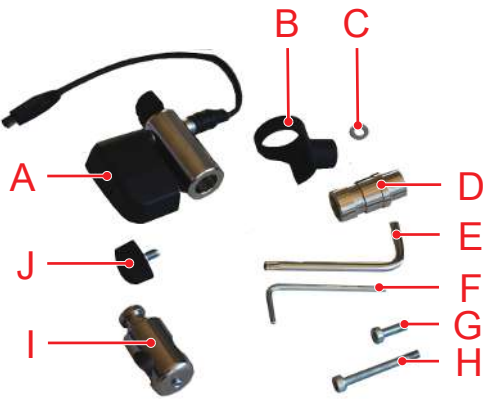




Needle Point Laser

1



Information

Availability of the Instruction Manual

The manual is part of the product and should be kept together or passed together on to third parties.

The current version of the manual (in other languages) can be downloaded at .

For Your Safety

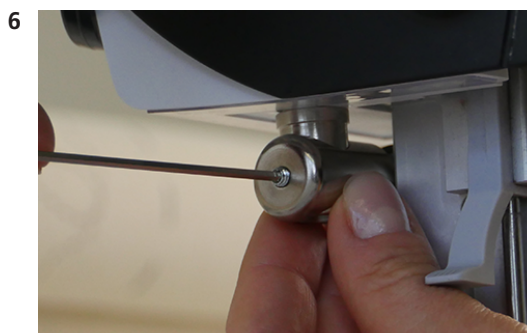
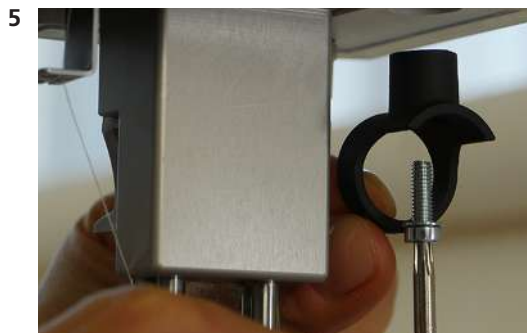
- > Before use, carefully read the information on the product page of the accessory as well as the instruction manual of your machine.
- > Do not look directly into the laser beam or view it with optical instruments (e.g. magnifying glasses).
- > A defective or damaged laser must be checked or repaired at your nearest BERNINA dealer.

Purpose

- To indicate the needle insertion point.
- To place a reference point in combination with Q-matic.
- To position designs, virtually cut out shapes and set a cutting line in combination with Q-matic.

Overview

- A Needle Point Laser with Housing
- B Holder
- C Washer
- D Adapter
- E Torx T20 screwdriver
- F Screwdriver, hexagon key 1.5 mm
- G Cylinder Head Screw (M4 x 35)
- H Cylinder Head Screw (M4 x 12)
- I Laser Clamp
- J Wing Screw



Assembly

Fitting the Needle Point Laser

Note: Non-observance of the mounting sequence of the adapter and the bracket can lead to damage.

- > Remove the screw incl. the washer on the rear left-hand side of the machine head. (Fig. 2)
- > Fasten the adapter with the cylinder head screw (M4 x 35). (Fig. 3)
- > Remove the screw incl. the washer on the rear right-hand side of the machine head. (Fig. 4)
- > Slightly tighten the holder with the cylinder head screw (M4 x 12) including the washer. (Fig. 5)
- > Tighten the screw of the laser clamp slightly so that the laser clamp can still be adjusted. (Fig. 6)



- > Rotate the laser housing vertically to the needle holder by loosening the wing screw and tighten it again. (Fig. 7)
- > Carefully push the Needle Point Laser into the holder up to the laser clamp.
- > Tighten the screw of the laser clamp. (Fig. 8)
- > Attach and tighten the supplied wing screw. (Fig. 9)
- > Plug the connection cable of the Needle Point Laser into the corresponding jack on the rear of the machine head. (Fig. 10)





Settings

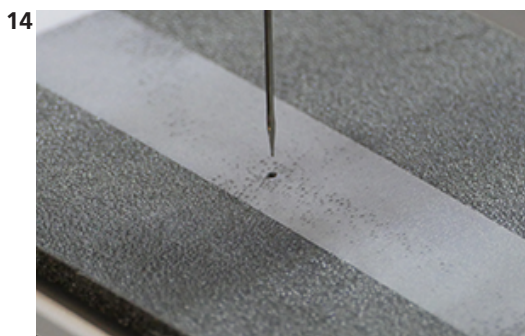
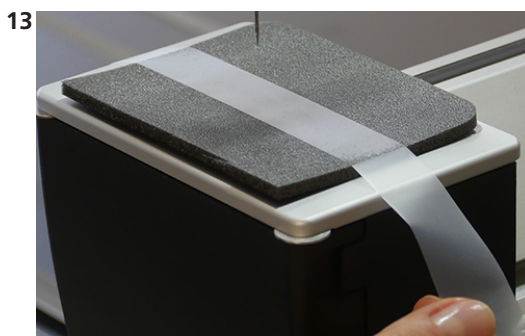
Activating the Function

- > Switch the machine on.
- > Open the setting «Home Screen» ► «Settings» ► «Needle Point Laser».
- > Activate the function of the Needle Point Laser. (Fig. 11)
 - The icon of the Needle Point Laser is displayed on the sewing screen.

Aligning the Needle Point Laser

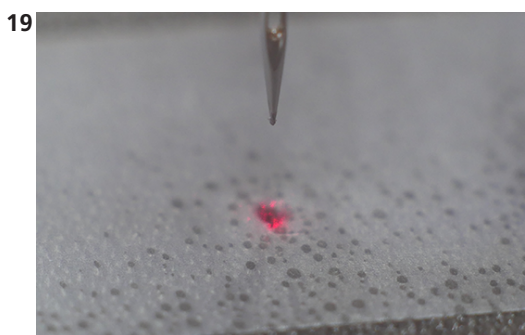
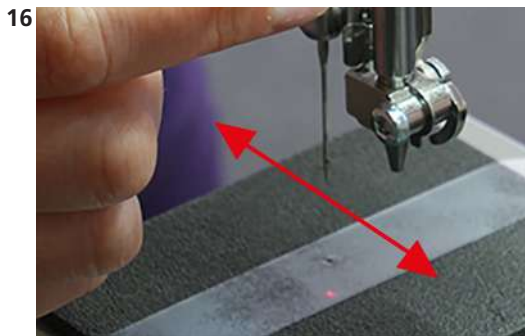


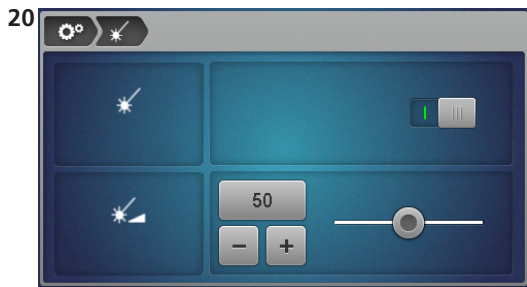
- > Remove the presser foot to gain free access to the stitch plate.
- > Cut the foam from the supplied packaging into two halves. (Fig. 12)
- > Attach the foam to the stitch plate with adhesive tape so that the adhesive tape is positioned exactly under the needle. (Fig. 13)
- > Lower the needle and raise it again. (Fig. 14)
 - The needle insertion point is visible on the adhesive tape.
- > Change to mode "I" to switch the Needle Point Laser on.





- > Loosen the wing screw (on the rear of the machine head). (Fig. 15)
 - The Needle Point Laser can be moved forwards and backwards (vertically).
- > Align the laser dot with the needle insertion point and tighten the wing screw again. (Fig. 16)
- > Loosen the wing screw (on the side of the machine head). (Fig. 17)
 - The Needle Point Laser can be moved to the left and to the right (horizontally).
- > Position the laser dot exactly over the needle insertion point, hold it in place and tighten the wing screw again. (Fig. 18)
- > Check the exact positioning.
- > Remove the foam and attach the presser foot.



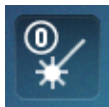


Setting the Laser Intensity

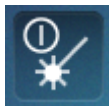
- > Open the setting «Home Screen» [gear icon] «Settings» [laser icon] «Needle Point Laser».
- > Set the desired intensity of the laser.

Selecting the Mode

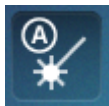
- > To change the mode, tap the icon "Needle Point Laser".



Mode "0": The laser pointer is switched off permanently.



Mode "I": The laser pointer is switched on permanently.



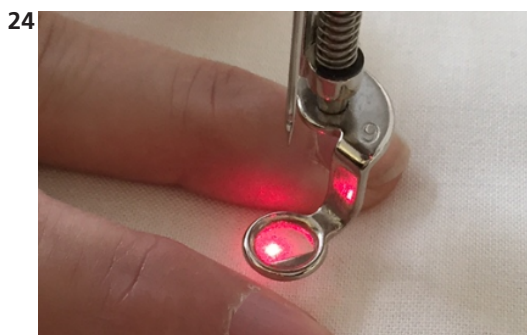
Mode "A": The laser pointer is switched off during quilting. When the quilting process is stopped, the laser dot is visible again.



Programming the Handle (Frame)

- ✓ The machine is switched on.
- ✓ The Needle Point Laser is activated.
- > Select the toggle switch to be programmed, e.g. handle right, position "I". (Fig. 22)
- > Select the icon "Needle Point Laser" and close the window. (Fig. 23)

Note: Pressing the button alternates between the modes "0" and "I". Mode "A" cannot be operated using the toggle switches.



Application

Using the Needle Point Laser

The red dot of the Needle Point Laser serves as an aid when quilting in the seam shadow (stitch-in-the-ditch) or as a guide around an appliqué. The Needle Point Laser must be realigned from time to time to ensure that the laser is aligned precisely with the needle insertion point.

When working with very thick fleece and/or in uneven areas, the material under the presser foot should be pressed flat or stretched taut. By doing so, the laser pointer indicates the needle insertion point more precisely.

The BERNINA how-to video "Needle Point Laser" provides further information on the mounting and the use.

<https://www.bernina.com/needle-point-laser>