

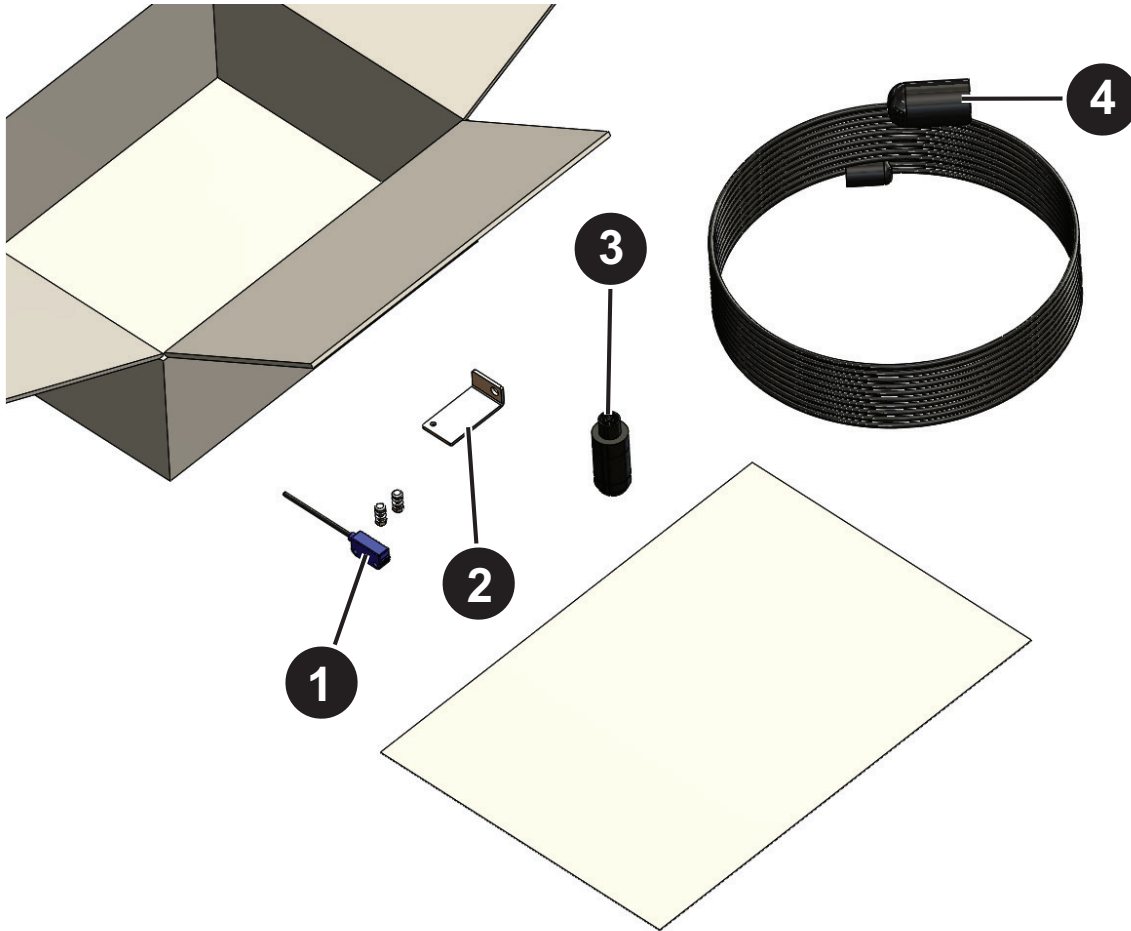
# **COLOREEL<sup>®</sup>**

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**Integrated Stitch Sensor Tajima - Installation Instruction**

# Integrated Stitch Sensor Tajima

## Installation Kit

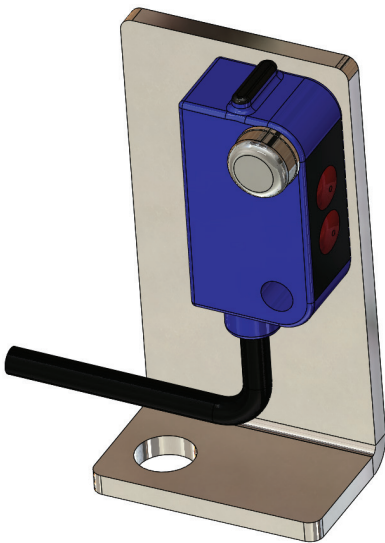


1. Stitch Sensor
2. Bracket
3. Connector
4. Stitch Sensor Cable

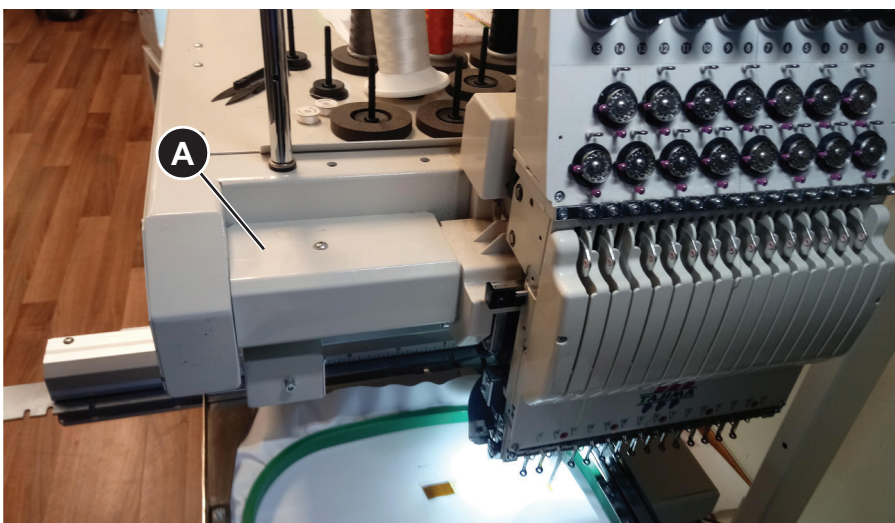
## To install the integrated Stitch sensor

1. Stop the embroidery machine and disconnect the wall socket. Make sure that the embroidery machine is OFF.
2. Make sure that you have a warranty approval for the installation of the Stitch Sensor from your embroidery machine distributor.
3. Attach the Stitch Sensor to the bracket. Make sure that the nut is put against the bracket and not against the Stitch Sensor.

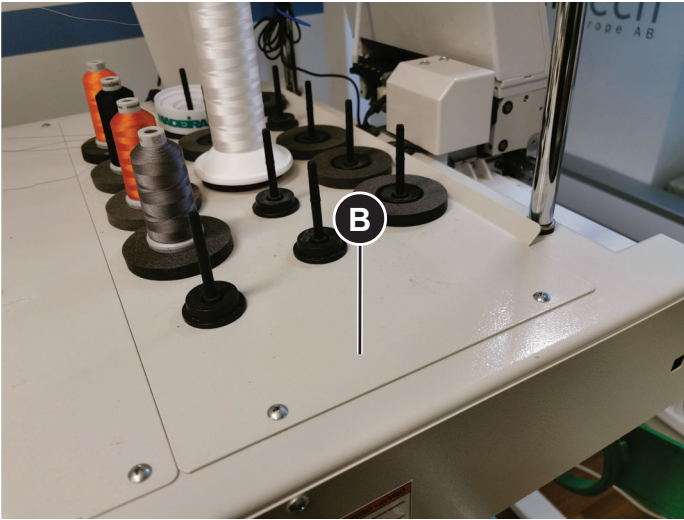
**Note:** If it is not possible to use the provided bracket, use a bracket that gives the correct distance with a maximum of 50 mm from the disc on the shaft of the embroidery machine.



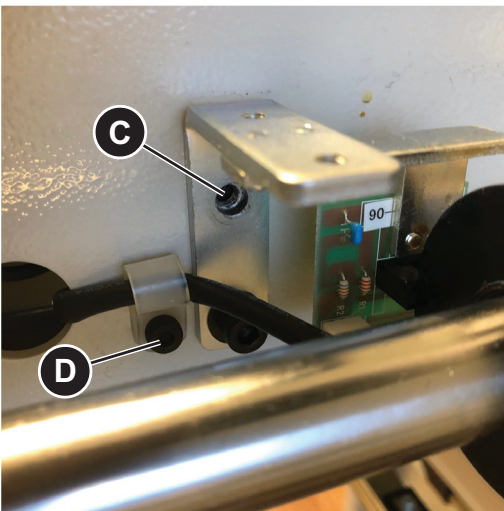
4. Remove the cover for the internal stitch counter (A) on the front of the embroidery machine.



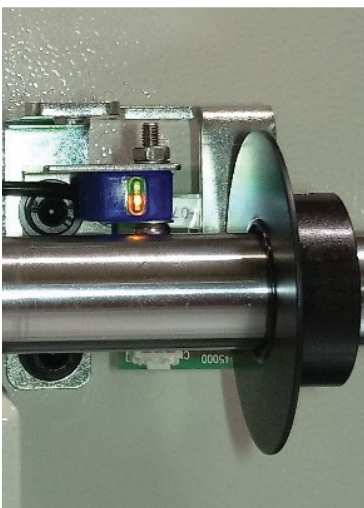
5. Remove the cover of the circuit board (B) from the top of the embroidery machine.



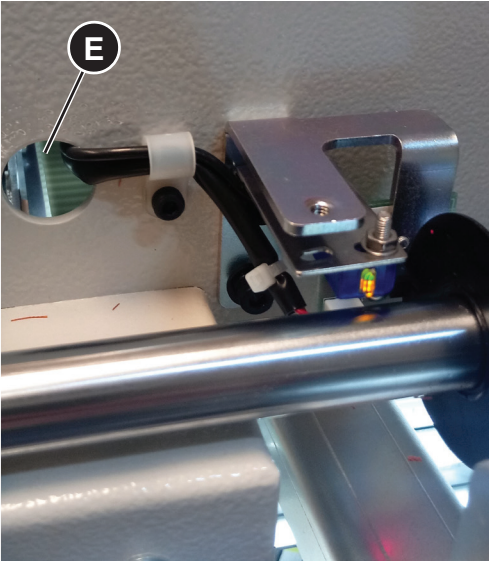
6. Remove the screw (C) from the embroidery machine bracket and the screw (D) from the cable holder.



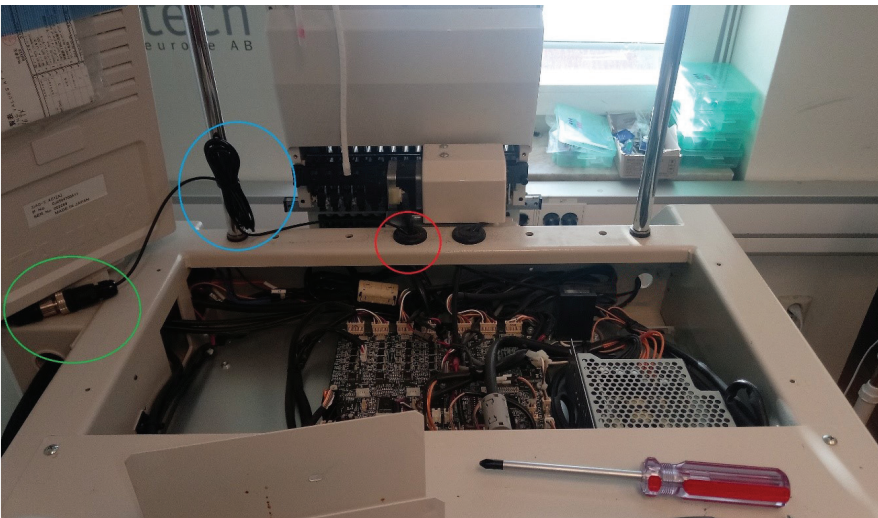
7. Attach the Bracket with the Stitch Sensor to the bracket of the embroidery machine with the screw (C).



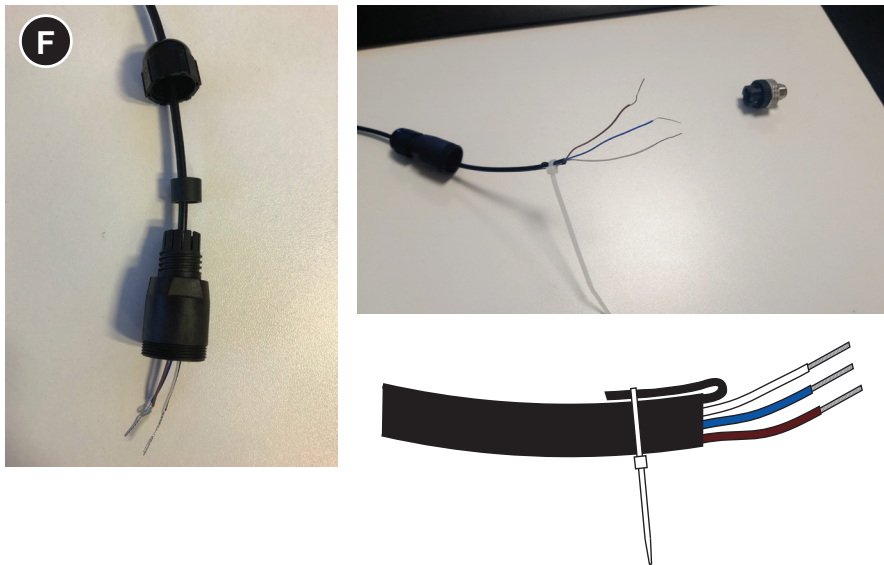
8. Put the Stitch Sensor Cable in the cable holder and install the screw (D).
9. Pull the Stitch Sensor Cable through the hole in the cover of the embroidery machine. (E)



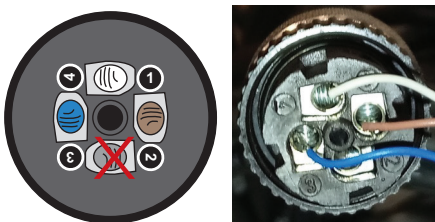
10. Pull the sensor cable through the hole on the cover that is marked with a red circle.



11. Disassemble the Connector and pull the Stitch Sensor Cable through the parts of the Connector as shown in the illustration (F).



12. Attach the black signal cable to the Stitch Sensor Cable with a cable tie.  
 13. Install the brown (+) cable to connection screw 1, the blue (-) cable to connection screw 3 and the white signal cable to connection screw 4.



1	Brown (+)
2	-
3	Blue (-)
4	White

14. Assemble the Connector and make sure that the Connector locks the cable.  
 15. Attach the excess cable to the bar that is marked with a blue circle in step 10.  
 16. Attach the cover of the circuit board.  
 17. Stop the Coloreel ITCU and make sure that it is OFF.  
 18. Connect the Stitch Sensor Cable to the Signal Cable of the Coloreel ITCU that is marked with a green circle in step 10.  
 19. Start the embroidery machine.

20. Make sure that the position of the laser point from the Stitch Sensor is shown correctly. The laser point should be placed as shown in the illustration.



21. Select OFF in the weak brake settings on the embroidery machine.
22. Turn the shaft by hand to make sure that the orange indication LED on the sensor flashes.
23. Open Service Tool and Navigate to Thread Regulator in the sidebar menu. Make sure that the value for stitch count increases when you turn the shaft.
24. If the stitch counter operates correctly, Select ON in the weak break settings on the embroidery machine.

The Integrated Stitch Sensor is now ready to use.