

How to Replace Capillary Sensor Cable

Applies to the following: ALL SQA-V (V, Vb, Ve, Vp and Vt)
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Instructions:

1. Release the screws from the rear panel using a #2 philips screwdriver (Fig. 1) and open the SQA-V (Fig. 2).



Fig. 1: Release screws



Fig. 2: Open the SQA-V

2. Use an Allen key #2, remove the four screws connecting the optical column to the front panel of the SQA-V (Fig. 3).



Fig. 3: Unscrew the optical column

3. Carefully pull the optical assembly in order to release it from the front panel (Fig. 4).



Figure 4: Release the optical assembly

4. Place the optical assembly on its side.
5. Release the screw holding the capillary sensor using a #2 philips screwdriver (see fig. 5)



Figure 5: Release the capillary sensor screw



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6. Unwind the white plastic cable wrap that holds the capillary sensor and other cables (see Fig. 6).

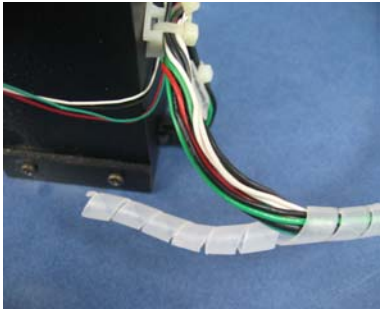


Figure 6: Release the plastic cable wrap

7. Disassemble the damaged capillary sensor from the optical block and unplug the cable connector from its location on the main board- J13 (see Fig. 7)

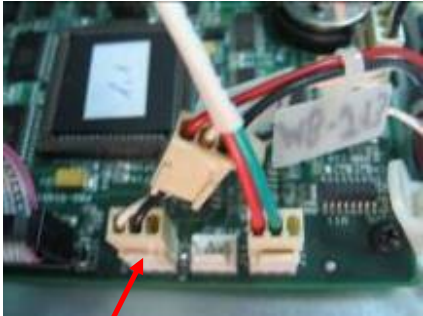


Figure 7: Disconnect from the main board

J13
connector

8. Place a new capillary sensor harness (see Fig. 8) on the designated location on the optical block and fasten it using the screw (see Fig. 5 above).



Figure 8: New capillary sensor

- 9. Re-attach the cable to the cable bundle, fasten the cables using the white plastic cable wrap (see Fig. 6 above).
- 10. Connect the cable connector to its designated location on the main Board- J13. (see Fig. 7 above).
- 11. Attach the optical column to the front panel of the SQA-V using the original 4 screws (see Fig. 3 above).
- 12. Close the back the front and rear panels of the SQA-V using the #2 philips screwdriver (see Fig. 1 above).



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