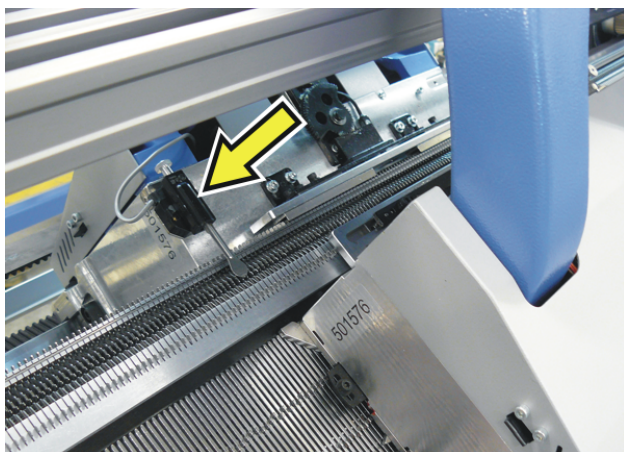


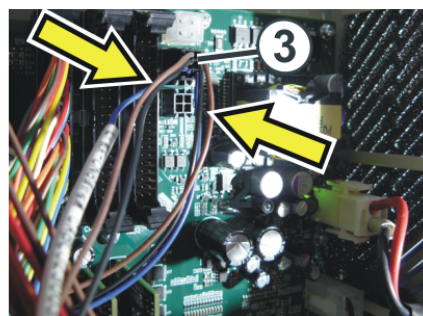
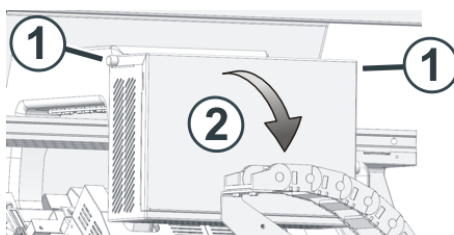
# 1 Update the needle detector at the rear carriage



1. Stop the carriage on the left side of the machine.
2. Switch off machine at main switch.

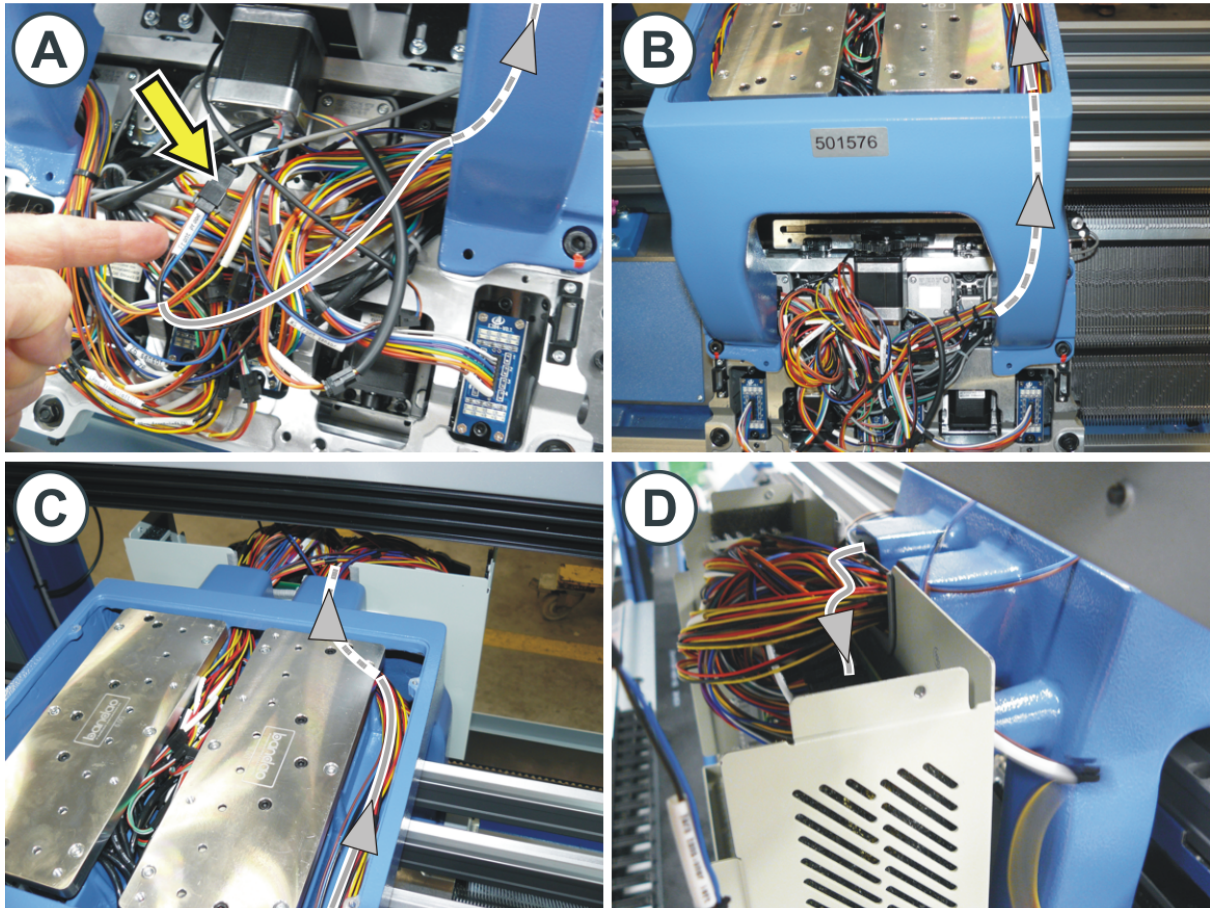


3. On the rear of the machine remove the left rear panel.
4. Loosen the knurled screws (1) and remove the cover (2).
5. Check to see if one or two looms of cables (with three single cables each) lead to the "CN8" plug (3).

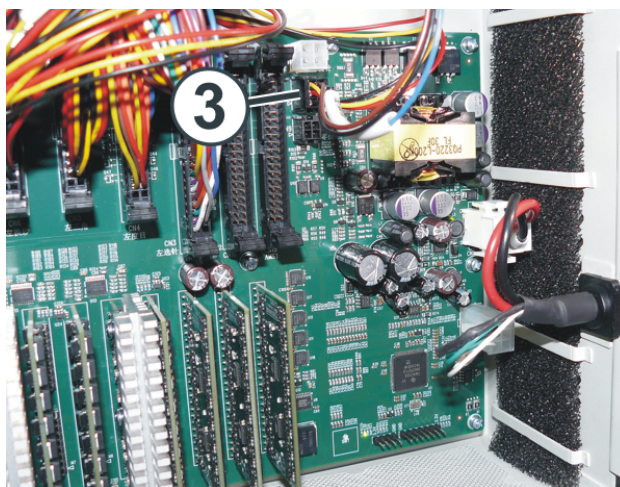


one loom of cables	The cable for the rear needle detector is not available. The new cable for the front and rear needle detector has to be laid, it continues with step 6.
two looms of cables	The cable for the rear needle detector is available. The plug for the rear needle detector is ready in the rear carriage, it continues with steps 12, 13 and 15 to 17.

6. Remove the cover on the front and rear carriage.  
Remove the upper cover on the carriage.
7. Remove the previous cable for the front needle detector (A – D).

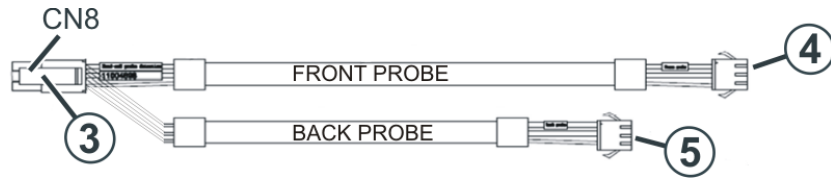


8. Plug the new cable (ID 4170 283 054) into the "CN8" socket (3).

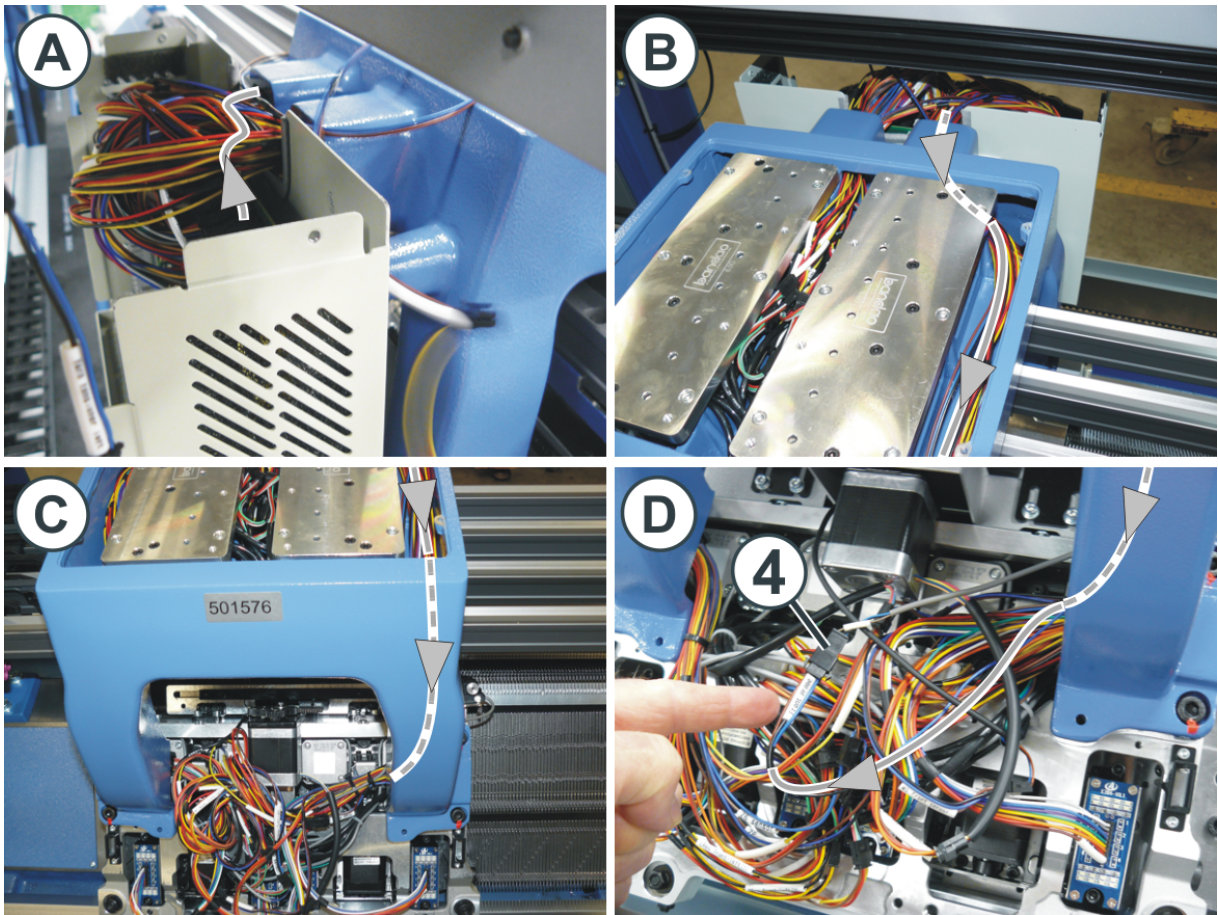




9. The longer cable (4) goes to the front needle detector.  
The shorter cable (5) goes to the rear needle detector.

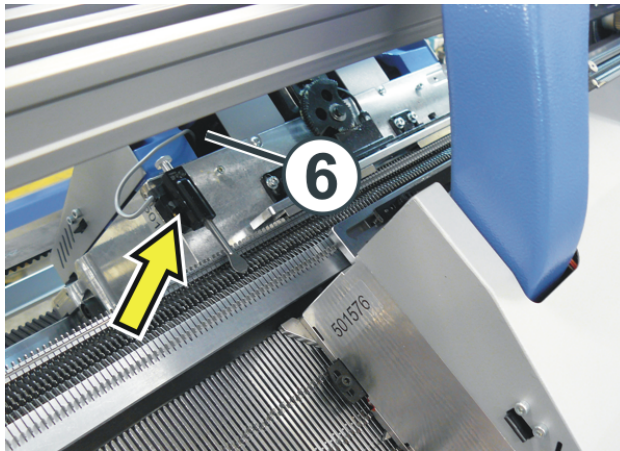


10. Lay the longer cable in the front carriage (label "FRONT PROBE").



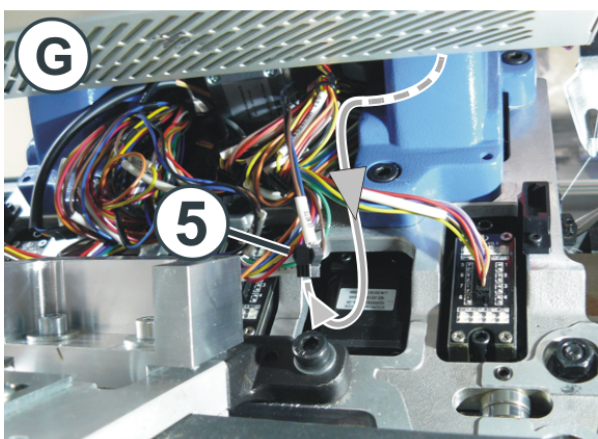
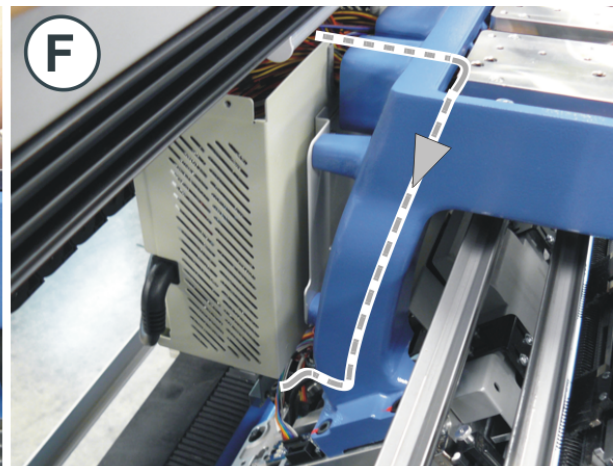
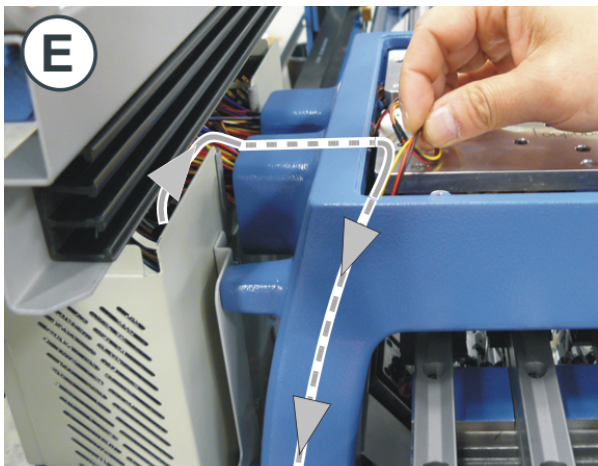
11. Plug the cable into the socket (4) of the front needle detector (image D).

12. Screw the needle detector tight on the rear carriage.



13. Lay the cable of the needle detector through the recess (6) to the rear.

14. Lay the shorter cable in the rear carriage (label "BACK PROBE").



15. Plug the cable into the socket (5) of the rear needle detector (image G).

16. Mount all covers back on the carriage.

17. Close the rear panel of the machine.

► Switch the machine main switch on.