

Replacing the Battery on a 285 Control Panel Embroidery Machine

Note to Operator: Please follow these instructions carefully as missing a step could result in more issues with your machine. For immediate assistance and/or help performing these tasks, please contact MESA Support at 800-330-3867 Option 2.

About the Repair: Replacing the battery on your embroidery machine is quite simple and only requires a few steps. To know whether or not you need to replace it, look for the following symptoms:

- Your control panel is in Chinese when you turn it on
- Your machine will not move past needle #12 (on 15-needle machines)

If you are having either of these problems, your battery is likely the cause. If you are not sure whether or not the battery is the issue, please call MESA Support at 800-330-3867 Option 2.

Replacing the Battery:

Tools you will need:

- Phillips Head Screwdriver
- CR2032 Round Disc battery (any brand)
 - You can find these at nearly any store that sells batteries (CVS, Walgreens, Walmart, etc.)



- Flat-Head Screwdriver (Optional)

Step-by-Step Instructions:

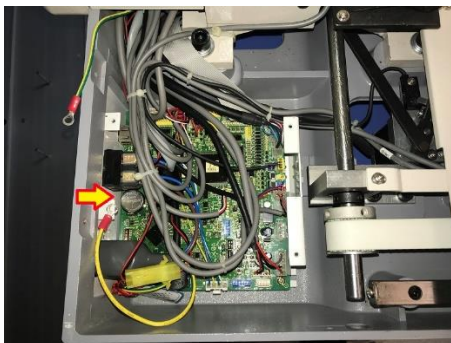
1. Turn off your machine and unplug it from the outlet
2. When looking at the front of your machine, you will see a cover in the back-left corner held by 4 Phillips head screws. Please remove these screws and lift the cover up. (Illustrated Below)



3. You will now see a silver cover held by 4 Phillips head screws, two of which have ground wires secured to them. Please remove these screws, noting where the ground wires are connected (illustrated below).



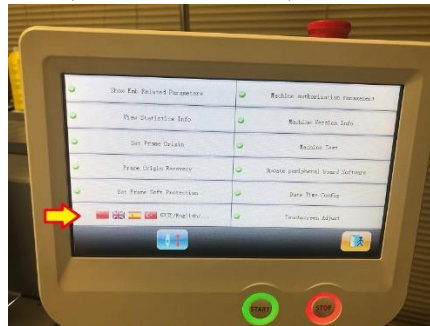
4. This exposes the main board on your machine with several connectors attached. On this board is the round disc battery that needs to be replaced (illustrated below).
 - a. Optional: Using a small flat head screwdriver, you can carefully pry out the old battery.



5. Once the battery has been removed, insert the new one in its place.
6. Install the silver cover back in its place with the ground wires properly secured
7. Install the tan cover back in its place with the remaining four Phillips head screws
8. Turn your machine on
9. Your machine will likely be in Chinese still. To fix this, go into the green icon with the red maze (illustrated below).



10. Tap on the box that has flags on it (illustrated below).



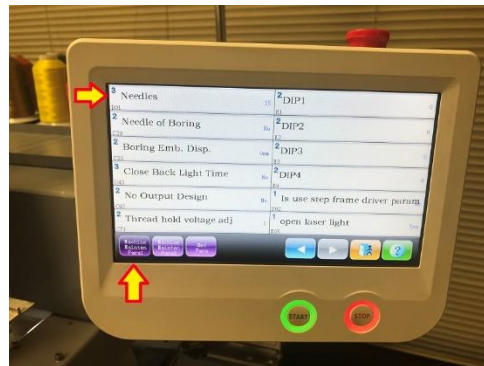
11. Select “English” as the language and hit the escape icon to return back to the home screen



12. To ensure the machine is set to 15 needles (as opposed to 12 needles), tap the settings icon on your control panel (illustrated below)



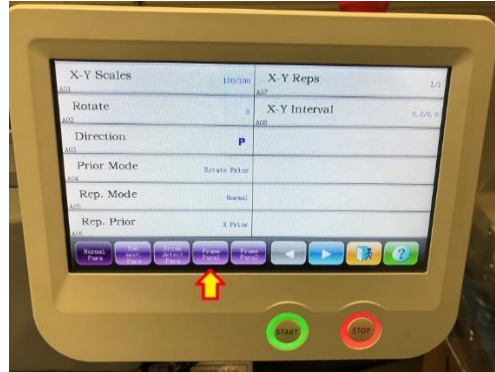
13. On the bottom row of purple tabs, find the tab that says “Machine Mainten Para1”
a. Ensure that the “Needles” tab reflects the correct number of needles that your machine has (12 or 15). If it is not correct, change it to match your machine.



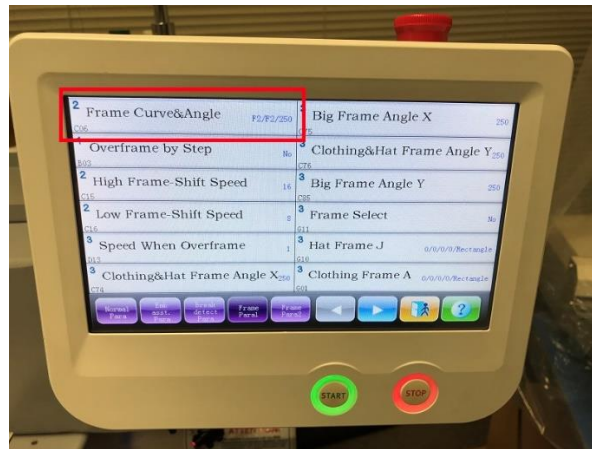
14. To make sure the machine frame settings are set properly, tap the settings icon on your control panel (illustrated below).



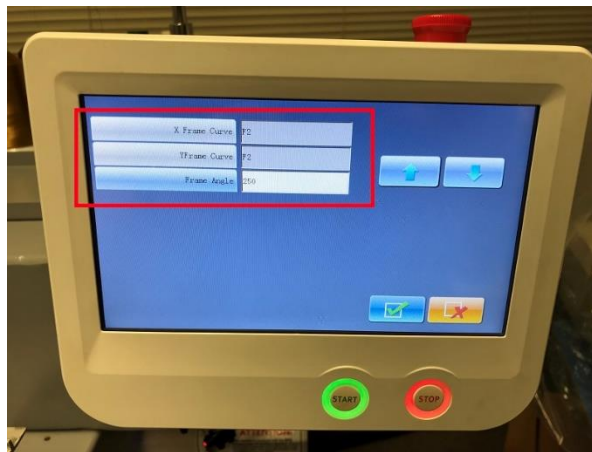
15. Tap Frame Paral on the bottom row of purple icons (illustrated below).



16. Tap the Frame Curve & Angle Box on the top left corner (illustrated below).



17. Ensure that it reads the following:

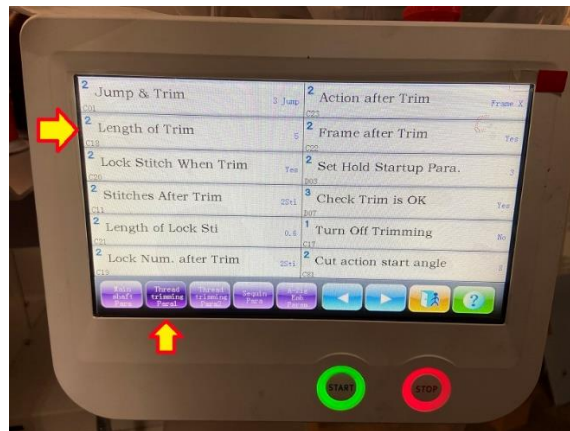


a. If it does not read F2/F2/250, please change it to these values.

18. Finally, to make sure that your trim settings are set properly, tap the settings icon at the bottom of the screen



19. On the bottom of the screen, find the purple tab that says “Thread Trimming Para1”



20. The trim length likely will be set at 3. You can increase this value to help get rid of short trims on your machine. MESA Recommends that you set this at 5 to start and adjust from there if necessary.

At this point your machine is back to normal and should no longer have any issues related to the battery. If you are having issues once you are sewing, please call MESA Support at 800-330-3867 for additional assistance.