

Instruction Sheet

Follow these instructions to replace the membrane on the M4000/FQ4000 controllers.

Subject: M4000/FQ4000 Membrane Replacement Instructions

Models affected: M4000/FQ4000 Controllers

6/7/2021

If the controller has a hole in the membrane (see Figure 1), the blunt force may have damaged the outer "touch pad" layer. It is highly unlikely that a membrane replacement will solve the controller issue of not responding in the damaged area and a complete UI controller replacement will be necessary.

- Items required for the membrane replacement include: New membrane overlay, several clean paper towels, pliers, and general-purpose cleaner/degreaser (see Figure 2).
- Ensure the controller is disconnected from the fryer and placed on a flat surface.
- Starting with one corner, use pliers or a similar tool to begin peeling off the old membrane (see Figure 3).
- Continue peeling back the membrane until it is completely removed from the controller (see Figure 4). If the membrane separates and some of the membrane remains on the surface, the new membrane may not adhere properly.
- Using a clean, dry towel to wipe off excess oil or debris from the touch screen. **DO NOT** allow any oil or debris onto the black surrounding area outside the touch screen (see Figure 5).
- Apply a general-purpose cleaner/degreaser to a clean dry towel (see Figure 6).



Figure 1



Figure 2

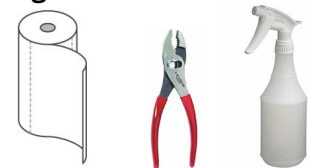


Figure 3

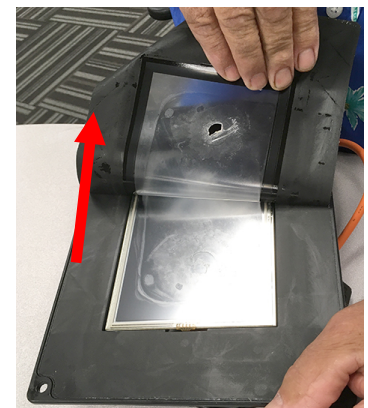


Figure 4

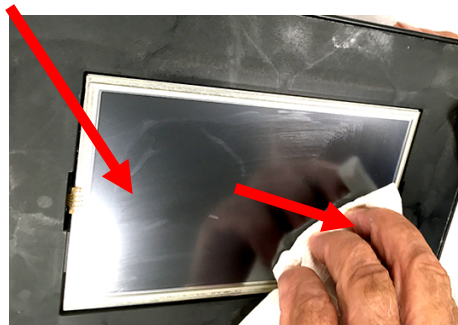


Figure 5



Figure 6

7. Using the towel from step 6, gently clean the touch screen. Ensure that the cleaner **DOES NOT** get on the black plastic area that surrounds the touch screen or on the ribbon cable (see Figure 7).
8. Use a clean dry towel to wipe the screen and remove any remaining residue.
9. Gently peel off the protective backing from the new membrane (see Figure 8).
10. Carefully line the membrane up with the face of the controller (see Figure 9). Starting at the top of the controller, ensure there is approximately a 1mm gap between the membrane and the recess of the controller (see Figure 10). Carefully lower the membrane, but **DO NOT** apply pressure. If the membrane is improperly positioned, gently remove and re-position.
11. Once the membrane is properly positioned, gently apply pressure from the inside towards the outer edge, working out any bubbles (see Figures 11 and 12).
12. After one (1) hour, reapply pressure to the outer membrane edges and continue to work out any bubbles for a proper seal.
13. For optimum adhesion, allow the controller to rest for a minimum of eight (8) hours before use.



Figure 7

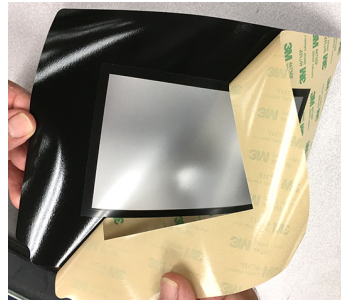


Figure 8



Figure 9



Figure 10

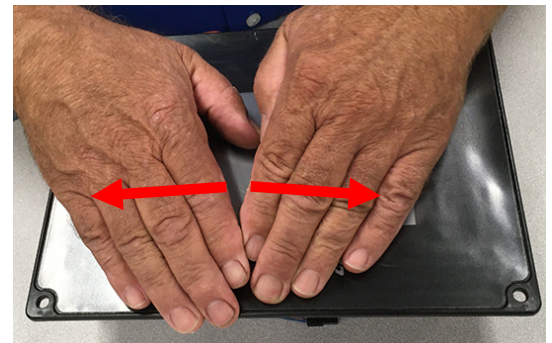


Figure 11

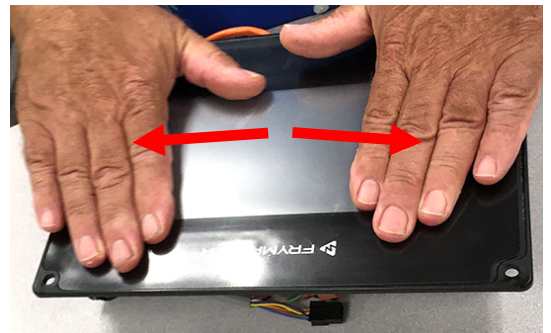


Figure 12