

Keypad Replacement

SM D1

This document explains the steps necessary for replacing the D1 console keypad with a serial number prior to D201223xxxx.

Tools required:

- Philips screw driver
- Razor or blade

Note: A drill must not be used at anytime for this repair.

Before starting to replace the keypad, the work area must be very clean. The keypad will not stick if there is dust on the adhesive.

1. Remove the screws from the back of the console (Fig. 1).

Note: The console does not need to be removed from the unit to perform this repair.



Fig. 1

2. Once the board is exposed, locate the ribbon **cable** connector and remove the ribbon from the board (Fig. 2). Take a picture of the back of the console for a reminder on how to put it back the wires when complete.

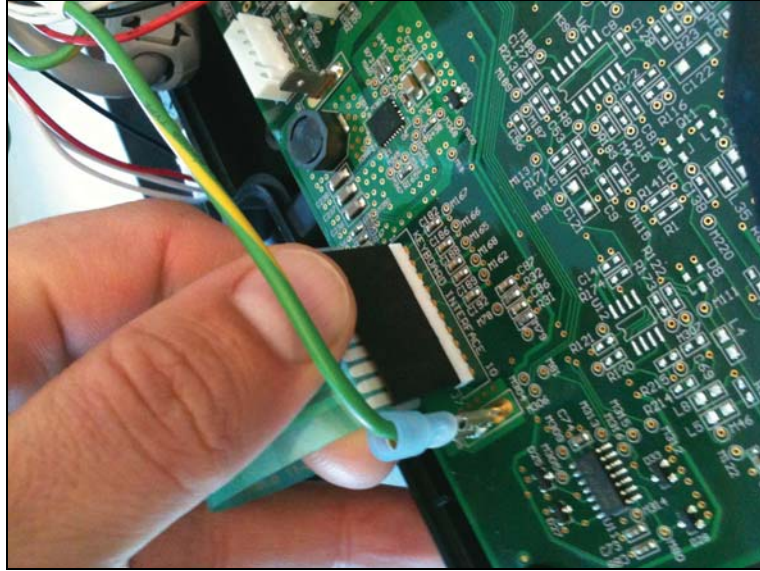


Fig. 2

3. Remove the button layer of the overlay by using a razor tip (Fig. 3)



Fig. 3

4. After the button layer is removed, lift the circuit layer by using a razor tip (Fig. 4). Once the edge is peeled, remove the circuit layer (Fig. 5).



Fig. 4



Fig. 5

5. After the circuit is removed, there will be a sticky residue left behind on the shell.



Fig. 6

Remove the residue as much as possible.

Note: Use fingers to remove the glue as shown in (Fig. 6). Rolling the glue up into a ball with fingers works best. **Do not use any chemicals or abrasives to remove the glue residue.**

6. Insert the new overlay's ribbon **cable** through front of console (Fig. 7).



Fig. 7

7. Loosen the main board to allow ribbon **cable** threading through (Fig 8). Then pull the ribbon **cable** through the front of the console (Fig. 9)



Fig. 8



Fig. 9

8. Insert the ribbon **cable** into the harness (Fig. 10). Make sure to hear the snapping sound when connecting

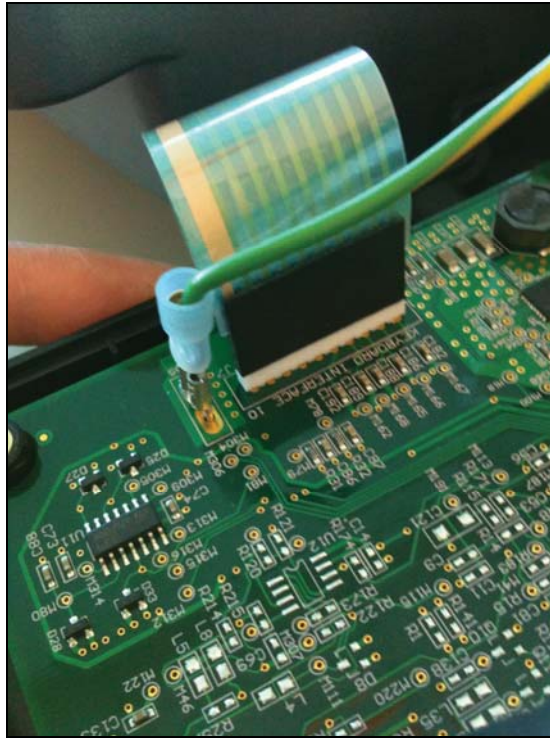


Fig. 10

9. Tighten the screw of the main board. Peel off the backing of the new overlay (Fig. 11)



Fig. 11

Note: It is very important to remove all of the paper backing on the new keypad. Pay close attention to the area where the ribbon **cable** is attached to the keypad. All paper backing must be removed from around the ribbon **cable** to properly seal the keypad to the console.

Align the overlay and press face to adhere to the surface of the console (Fig. 12 and 13).



Fig. 12



Fig. 13

10. Keypad is installed (Fig. 14). Assemble console back to its original form and test the keypads.



Fig. 14