

## Procedure 6.3 - Troubleshooting the Keypad and Upper PCA (version 2,3)

If the function keys on the electronic console are unresponsive, the problem may be either the upper PCA or keypad. The keys on this unit are touch sensitive keys. It is necessary to use the keypad diagnostics to troubleshoot the key functions.

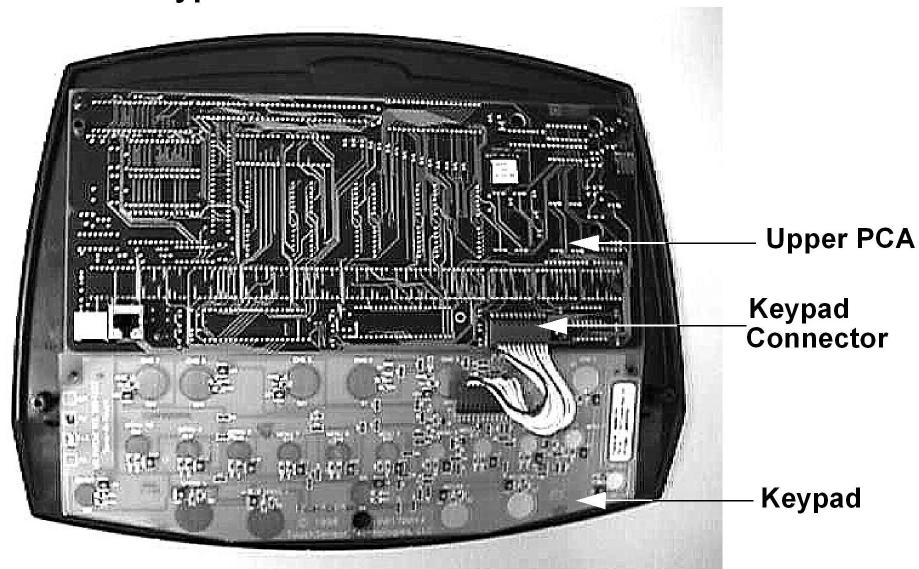
### Procedure

1. Set the on/off switch in the 'off' position.

### WARNING

Before continuing with this procedure, review the Warning and Caution statements listed in Section One.

2. Attach the anti-static wrist strap to your arm, then connect the ground lead of the wrist strap to the units frame.
3. If the EFX powers up and functions normally until a particular key(s) is pressed, skip to step 12.
4. If a 'key depressed' message is immediately displayed when the EFX is powered up, continue with the next step.
5. This condition may be caused by either the keypad or upper PCA. Set the on/off switch in the 'off' position.
6. Remove the four screws that fastens the display housing front panel to the display housing backing plate. These screws are located on the rear of the display housing backing plate.
7. Lift the display housing front panel off of the display housing backing plate. Remove the keypad connector from the upper PCA. See Diagram 6.2.

**Diagram 6.2 - Upper PCA & Keypad**

8. Set the on/off switch in the *on* position.
9. If a *key depressed* message is immediately displayed when the EFX is powered up, replace the upper PCA.
10. If a *key depressed* message is not displayed when the EFX is powered up, replace the display housing front panel. The display housing front panel is equipped with the keypad.
11. If you have performed all of the procedures above and have been unable to correct the problem, call Precor customer service.
12. Access the diagnostics program per procedure 3.2. If the key(s) necessary to access the diagnostic program is not functioning, skip to step 14.
13. Test the keypad per Procedure 3.2, step 4.
14. If all of the keys test good, the problem may be user error or a key function that is normally disabled during a particular user program.
15. If one or more keys do not function correctly, either the keypad (display housing) or upper PCA could be defective. Replace the display and repeat step 12. If the display housing did not correct the problem, re-install the original display housing and replace the upper PCA.
16. If you have performed all of the procedures above and have been unable to correct the problem, call Precor customer service.