

Procedure 5.1 - Troubleshooting the Keypad and Upper PCA

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

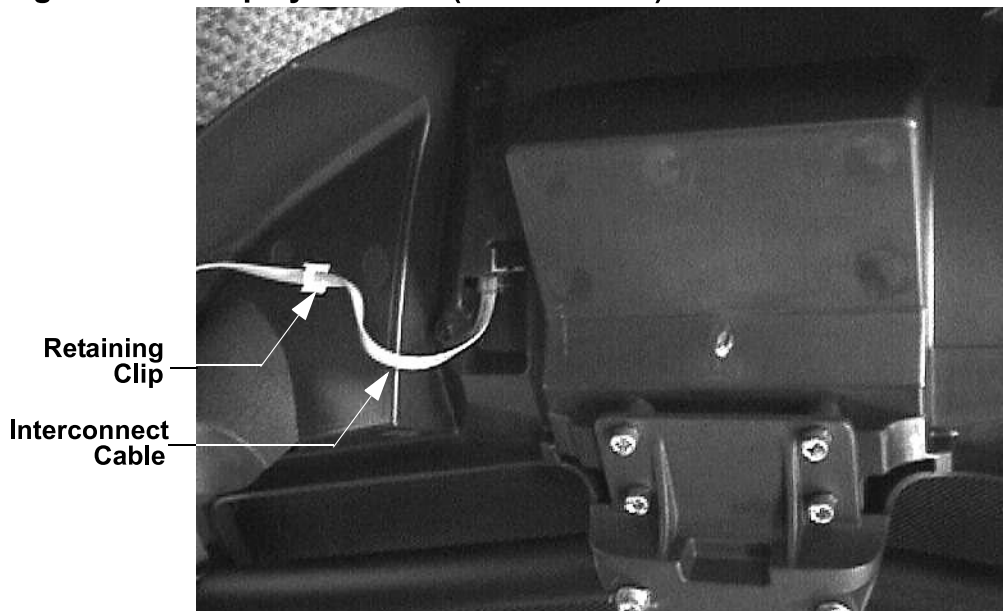
1. Set the circuit breaker in the “off” position.

WARNING

Before continuing with this procedure, review the Warning and Caution statements listed in Section One of the Commercial Treadmill Service Manual.

2. If the treadmill powers up and functions normally until a particular key(s) is pressed, skip to step 13.
3. If an Error 5 “key depressed” message is immediately displayed when the treadmill is powered up, continue with the next step.
4. This condition may be caused by either the keypad or upper PCA. Set the circuit breaker in the “off” position. Reach under the display console and disconnect the interconnect cable. See Diagram 5.1.

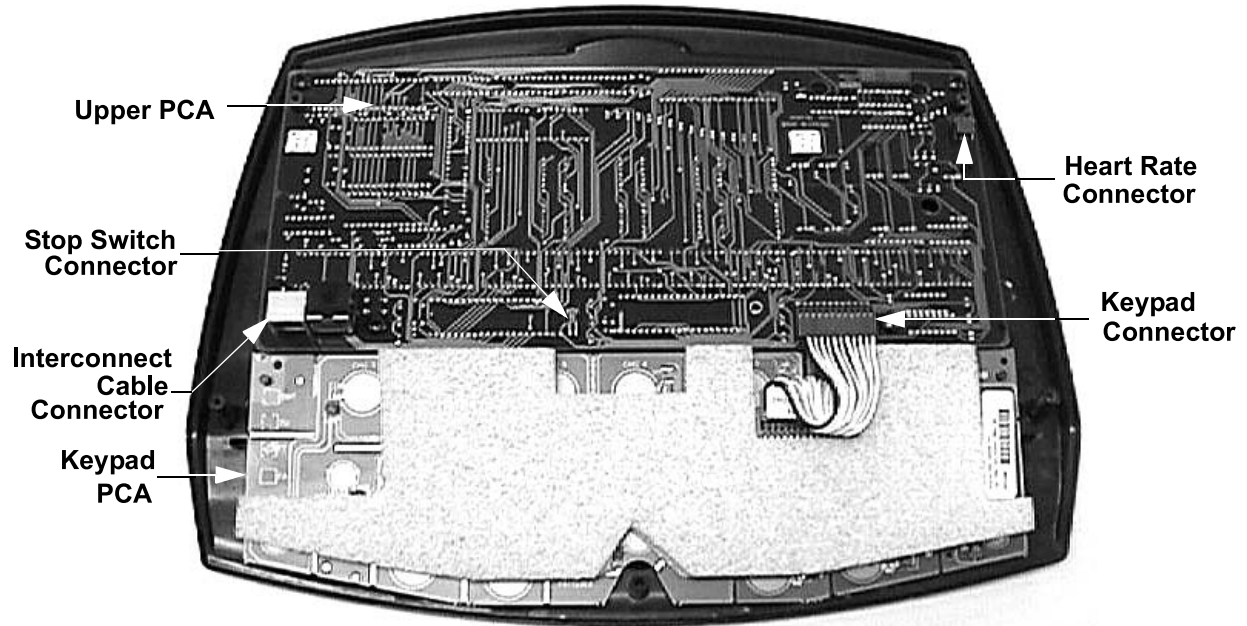
Diagram 5.1 - Display Console (Bottom View)



5. 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 console.

6. Carefully, lift the display housing front panel off of the display housing backing plate. Disconnect the heart rate cable and stop switch cable from the upper PCA.
7. Disconnect the keypad connector from the upper PCA. See Diagram 5.2.

Diagram 5.2 - C934 Upper PCA & Keypad



8. Remove the interconnect cable from its retaining clip, See Diagram 5.1. Holding the display housing by the plastic portions, do not handle the upper PCA or keypad PCA, reconnect the interconnect cable to the upper PCA.
9. Set the circuit breaker in the “on” position.
10. If a “key depressed” message is immediately displayed when the treadmill is powered up, replace the upper PCA.
11. If a “key depressed” message is not displayed when the treadmill is powered up, replace the display housing front panel. The display housing front panel is equipped with the keypad.
12. If you have performed all of the procedures above and have been unable to correct the problem, call Precor customer service.
13. Access the diagnostics program per procedure 2.1. If the key(s) necessary to access the diagnostic program is not functioning, skip to step 14.
14. Test the keypad per Procedure 2.1, step 6.
15. 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.

16. 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 14. If the display housing did not correct the problem, re-install the original display housing and replace the upper PCA.
17. If you have performed all of the procedures above and have been unable to correct the problem, call Precor customer service.