

Procedure 6.8 - Upper Display does not illuminate (version 2,3)

1. Set the on/off switch in the 'off' position, unplug the line cord from the wall outlet.
2. Attach the anti-static wrist strap to your arm, then connect the ground lead of the wrist strap to the units frame.
3. Remove the F1 fuse from the lower PCA. (See Diagram 7.5)
4. Remove the fuses from the input power module. (See Diagram 7.7)
5. Check all three fuses with an ohmmeter. They should read approximately 1Ω or less. Replace any fuse that reads significantly high.
6. Replace the fuses in the power input module.
7. With the line cord still unplugged from the wall outlet, set the on/off switch in the 'on' position. check between the power terminals of the line cord with an ohmmeter. The ohmmeter reading should be infinity (open).
8. If the reading is good skip to step 11, otherwise continue with the next step.
9. If the reading in step 5 is significantly low, check the wiring between the lower PCA and the on/off switch, between the on/off switch and the input module. Replace any cut or nicked wiring.
10. Check the line cord for nicked or cut wiring. Replace the line cord if necessary.
11. If you have performed all of the above tests and are unable to resolve the problem, contact Precor customer support.
12. Replace the F1 (1/4 amp) fuse in the lower PCA, perform the resistance measurement in step 6. The reading should be approximately 1.0 to 1.5 megohms.
13. Replace the F2 (2 amp) fuse in the lower PCA, perform the resistance measurement in step 6. The reading should be approximately 1.0 to 1.5 megohms.
14. If either of the readings in step 11 or 12 were significantly low, replace the lower PCA.
15. Plug the line cord into the wall outlet and set the on/off switch in the 'on' position.
16. The red LED (D7) and the red LED (D2) should illuminate. Check between TP11 and TP14 on the lower PCA with a DC voltmeter. The reading should be approximately 5 Vdc.

17. If the reading in step 15 is good, skip to step 18. If the reading in step 15 is significantly low, set the on/off switch in the *off* position. Disconnect the interconnect cable (J5) from the lower PCA.
18. Set the on/off switch in the *on* position. Repeat step 15. If the reading is still significantly low, replace the lower PCA. If the reading is now good, the problem is either one of the interconnect cables or the upper PCA.
19. Substitute a known good upper PCA. If the upper PCA does not correct the problem, troubleshoot the upper and lower interconnect cables per Procedure 6.1
20. If you have performed all of the above tests and are unable to resolve the problem, contact Precor customer support.