

Procedure 7.12 - Replacing the Display Housing or Upper PCA

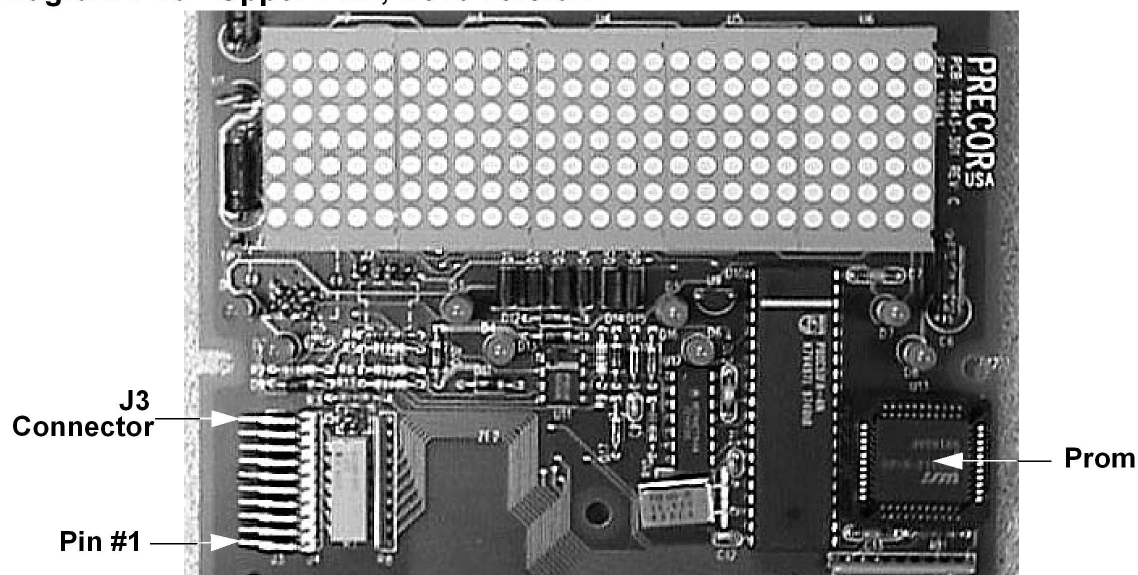
1. For C842 and C846 version 2 units, skip to step 14. For C846 version 1 units, continue with step 2.
2. Set the on/off switch in the off position.
3. Use an anti-static wrist strap connected to the cycle's frame while performing steps 4-9.
4. Remove the screws that fasten the display housing to the display housing backplate.
5. Lift the display housing off of the backplate and disconnect the interconnect cable from the J1 connector (mounted on the rear of the upper PCA). Remove the hand held heart rate cable (C846 version 2 only) from the hand held heart rate PCA.
6. Note the orientation of the keypad cable (connected to the J3 connector, see Diagram 6.3) and disconnect the keypad cable from the upper PCA.
7. Remove the screws that fasten the upper PCA to the display housing. Remove the upper PCA from the display housing.

Note:

Prom removal in step seven must be performed with the correct prom extraction tool. The use of any inappropriate tool is likely to damage the prom and render it unusable.

8. Using an appropriate IC extractor tool, remove the prom from the existing upper PCA and re-install it on the replacement upper PCA.

Diagram 7.19 - Upper PCA, C846 version 1



9. Orient the keypad cable as noted in step 5 and reconnect the keypad cable to the J3 connector.
10. Assemble the replacement or original upper PCA and display housing as required and replace and tighten the upper PCA mounting screws.
11. Reconnect the interconnect cable to the J1 connector.
12. Set the display housing at its mounting position on the display backing plate. Replace and tighten display housing mounting screws.
13. Check the cycle's operation per Section 4.
14. Remove the screws that retain the display, lift the display and disconnect the interconnect cable from the J5 connector and the heart rate cable from the J1 connector (when equipped).
15. Disconnect the keypad cable from the J2 connector.
16. Remove the screws that retain the upper PCA to the display. Remove the upper PCA.
17. Many PCAs are furnished without software. If your PCA does not have an IC chip installed in the U6 socket, remove the U6 IC chip from the existing PCA (using a IC extractor and anti-static protection) and install it on the replacement PCA.
18. Set the replacement PCA in its mounting position and fasten it with the screws removed in step 16.
19. Connect the keypad cable to the J2 connector.
20. Hold the display near its mounting position and connect the interconnect cable to the J5 connector and the heart rate cable to the J1 connector (when equipped).
21. Set the display in its mounting position and fasten it with the screws removed in step 14.