Procedure 6.1 - Troubleshooting the Lower and Upper Interconnect Cables

Anti-static kits can be ordered from Precor (part number 20024-101).

Troubleshooting the Upper Interconnect Cable

Note:
There are three different interconnect cable combinations that were used on the C546. Units with serial numbers starting with 4H or 5V manufactured prior to Feb. 8, 1999 used an upper and lower ribbon cable. Units with serial numbers starting with 4H or 5V manufactured after Feb. 8, 1999 used a single ribbon cable. Units with serial numbers starting with 9A, 9B, 75 or 9K use an upper and lower telephone cable (RJ45). For units with serial numbers starting with 4H or 5V manufactured prior to Feb. 8, 1999 start with step 1. For units with serial numbers starting with 4H or 5V manufactured after Feb. 8, 1999 start with step 22. For units with serial numbers starting with 9A, 9B, 75 or 9K manufactured start with step 31.

Version 1 units, manufactured prior to Feb. 8, 1999

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

WARNING
Before continuing with this procedure, review the Warning and Caution statements listed in Section One, Things You Should Know.

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 interconnect cable cover. (See Diagram 7.2)

4. Remove the rear cover. For convenience the upper interconnect cable is the cable that attaches to the upper PCA and the lower interconnect cable is the cable that connects to the lower PCA.

5. Lay the unit on itís side. There is an access hole in the bottom of the main frame tube that allows access to the junction of the upper and lower interconnect cables. (See Diagram 7.6)

6. Disconnect the upper interconnect cable from the upper PCA and the lower interconnect cable.

7. Connect a known good upper interconnect cable from the lower interconnect cable to the upper PCA. Route the cable outside of the unit at this time.

8. Check operation as described in Section Four.

9. If the unit operated correctly when the new interconnect cable was installed, the original

interconnect cable is bad. Install a new interconnect cable per Procedure 7.7. If the unit does not operate properly, continue with the next step.

10. Reconnect the original upper interconnect cable to the upper PCA.

Troubleshooting the Lower Interconnect Cable

11. Remove the shield from the lower PCA.

12. Remove the interconnect cable from the lower PCA.

13. Connect a known good lower interconnect cable between the lower PCA and the upper interconnect cable.

14. Check operation as described in Section Four.

15. If the unit operated correctly when the spare lower interconnect cable was installed, the original interconnect cable is bad. Install a new interconnect cable per Procedure 7.7. If the unit does not operate properly, continue with the next step.

16. Reconnect the original lower interconnect cable to the lower PCA.

17. Reconnect the lower interconnect cable to the upper interconnect cable.

18. Replace the lower PCA shield.

19. Replace the rear cover.

20. Replace the interconnect cable cover.

21. Check operation as described in Section Four.

Version 1 units, manufactured after Feb. 7, 1999

22. Set the on/off switch in the ìoffî position.

23. Attach the anti-static wrist strap to your arm, then connect the ground lead of the wrist strap to the units frame.

24. Remove the interconnect cable cover. (See Diagram 7.2)

25. Remove the rear cover.

26. Disconnect the interconnect cable from the upper PCA and from the lower PCA.

27. Connect a known good upper interconnect cable from the lower PCA to the upper PCA. Route the cable outside of the unit at this time.

28. Check operation as described in Section Four.

29. If the unit operated correctly when the new interconnect cable was installed, the original interconnect cable is bad. Install a new interconnect cable per Procedure 7.7. If the unit does not operate properly, continue with the next step.

30. Reconnect the original upper interconnect cable to the upper PCA.

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31. Set the on/off switch in the ìoffî position.

32. Attach the anti-static wrist strap to your arm, then connect the ground lead of the wrist strap to the units frame.

33. Remove the interconnect cable cover. (See Diagram 7.2)

34. Remove the rear cover. For convenience the upper interconnect cable is the cable that attaches to the upper PCA and the lower interconnect cable is the cable that connects to the lower PCA.

35. Connect a known good upper interconnect cable from the lower interconnect cable to the upper PCA. Route the cable outside of the unit at this time.

36. Check operation as described in Section Four.

37. If the unit operated correctly when the new interconnect cable was installed, the original interconnect cable is bad. Install a new interconnect cable per Procedure 7.5. If the unit does not operate properly, continue with the next step.

38. Reconnect the original upper interconnect cable to the upper PCA.

Troubleshooting the Lower Interconnect Cable

39. Remove the shield from the lower PCA.

40. Remove the interconnect cable from the lower PCA.

41. Connect a known good lower interconnect cable between the lower PCA and the upper interconnect cable.

42. Check operation as described in Section Four.

43. If the unit operated correctly when the spare lower interconnect cable was installed, the original interconnect cable is bad. Install a new interconnect cable per Procedure 7.7. If the unit does not operate properly, continue with the next step.

44. Reconnect the original lower interconnect cable to the lower PCA.

45. Reconnect the lower interconnect cable to the upper interconnect cable.

46. Replace the lower PCA shield.
47. Replace the rear cover.
48. Replace the interconnect cable cover.
49. Check operation as described in Section Four