Model ACS-517B
Hour Meter Upgrade Kit Procedure
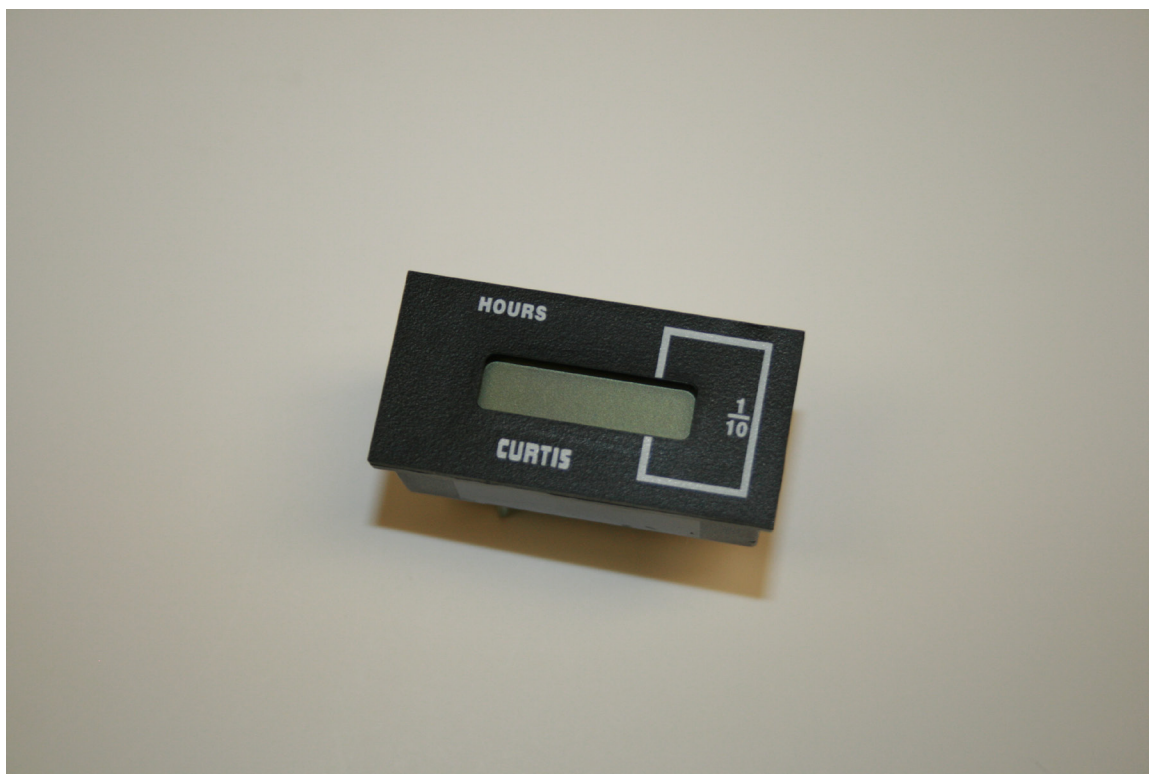
Tech Support Document TSD-0211
Revision Date: September 5, 2002

1)   Disconnect the power cable from the ACS-517B system. Remove the screws that secure the outer cover and lift it off.
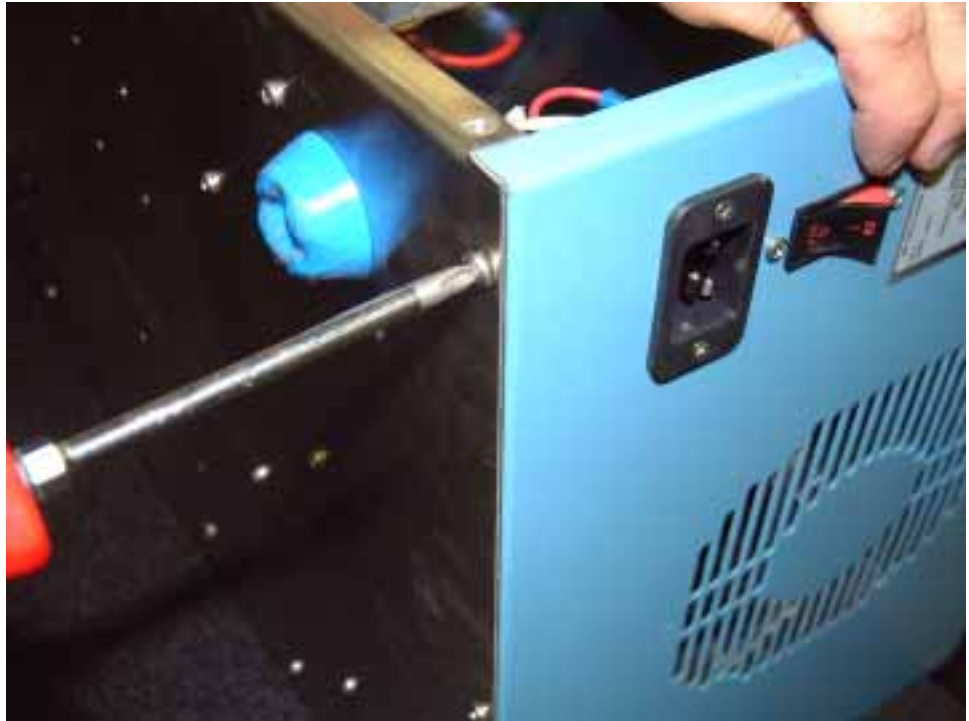

2)   Loosen the electrical bulkhead fitting.

3)   Push the electrical power cable through to give the cable some slack.
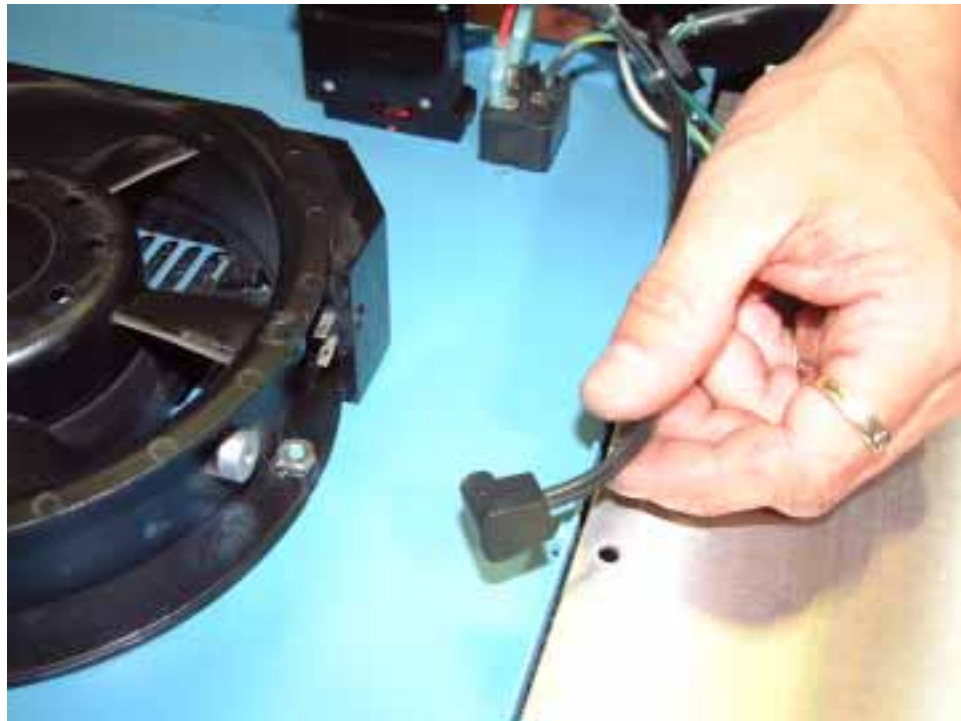

4)   Turn the system on its side and remove the three screws that hold the electrical panel on.

5) Rest the system back on its feet and fold down the electrical panel.

6) Disconnect the exhaust fan power connection.

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7) Lift the electrical panel to remove the 6-32 screws that secure the power switch.

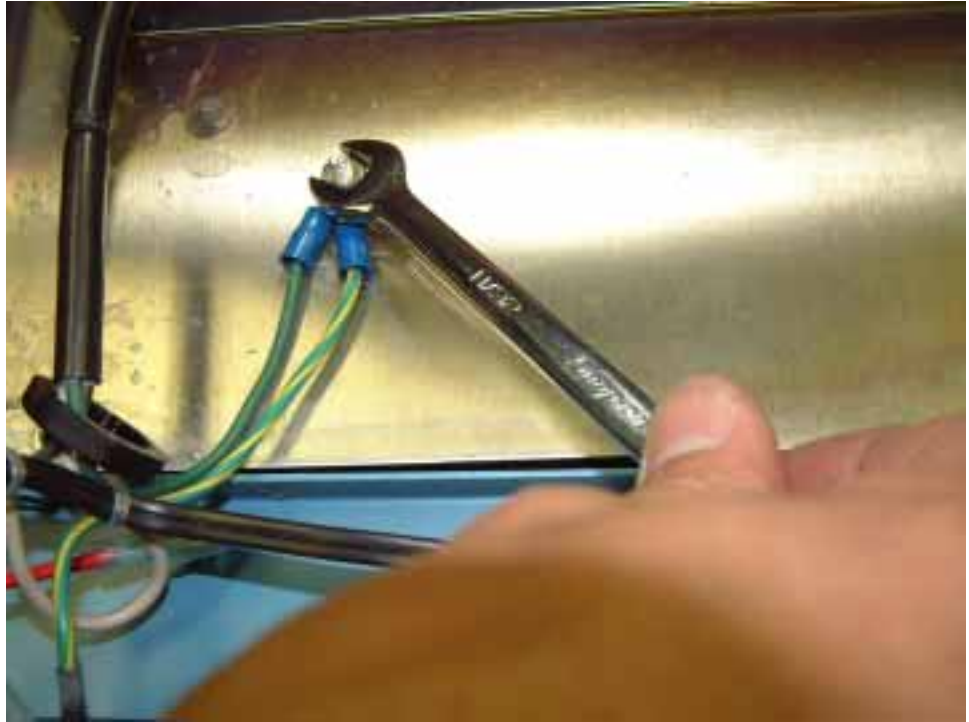8) Remove the 4-40 screws from the electrical power cable receptacle.

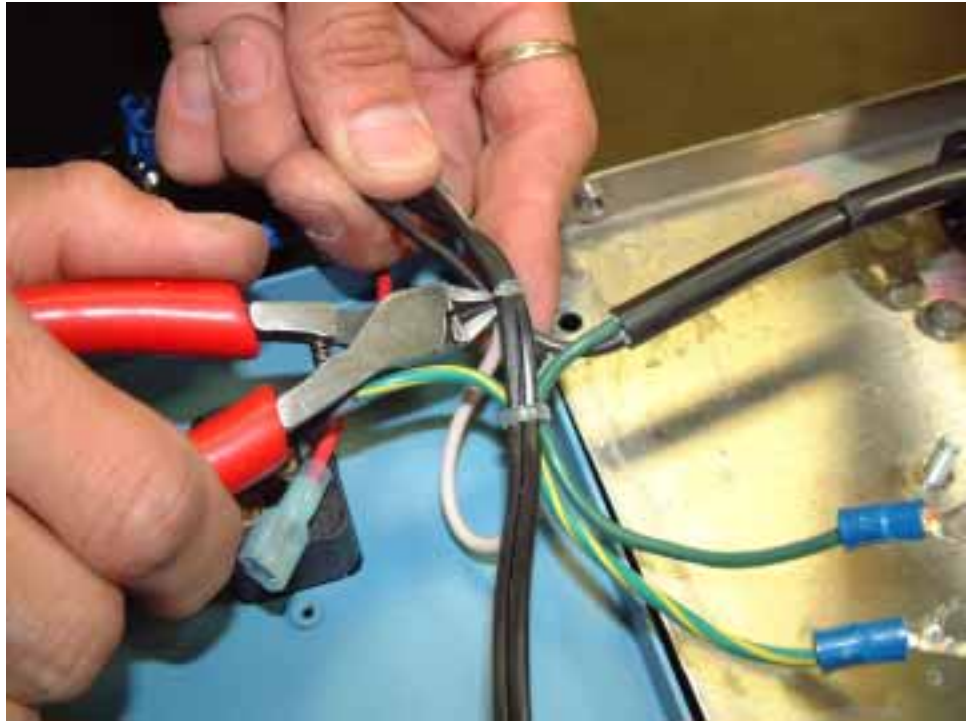9)   Remove the top left terminal connector from the electrical power cable receptacle.

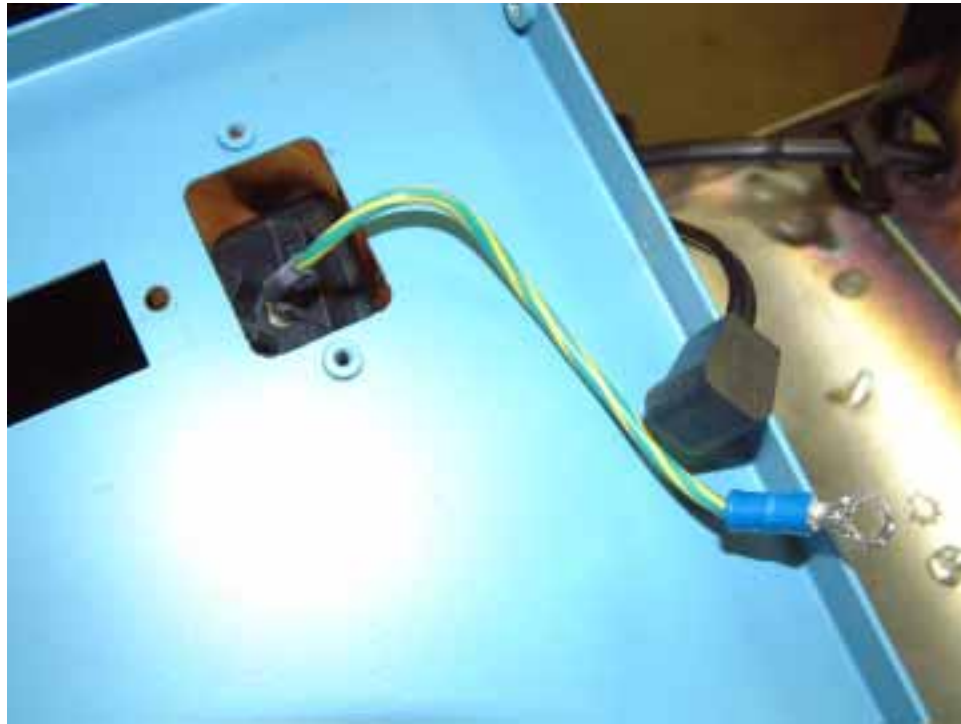10)   Remove the top right dual terminal connector from the electrical power cable receptacle.

11) Using a 11/32" wrench, remove the nut that secures the ground cables.

12) Clip the Ty-raps that hold the cables together.

13)   Pull through the electrical power cable receptacle.

14)   Using a 11/32" wrench, remove the nuts that hold down the fan and remove it.

15)   Turn over the panel and use a razor blade to remove the serial number label.

16)   Take great care when lifting off the label so that no damage occurs because you will reuse the label on the new panel.

17) Apply the Serial Number label you just removed to the new panel in this approximate location.

18) Apply the new Maintenance Schedule label.

19)   Place the Maintenance Schedule label above the Serial Number label about 1/4".

20)   Insert the hour meter into the panel and hold it in while you turn the panel over.
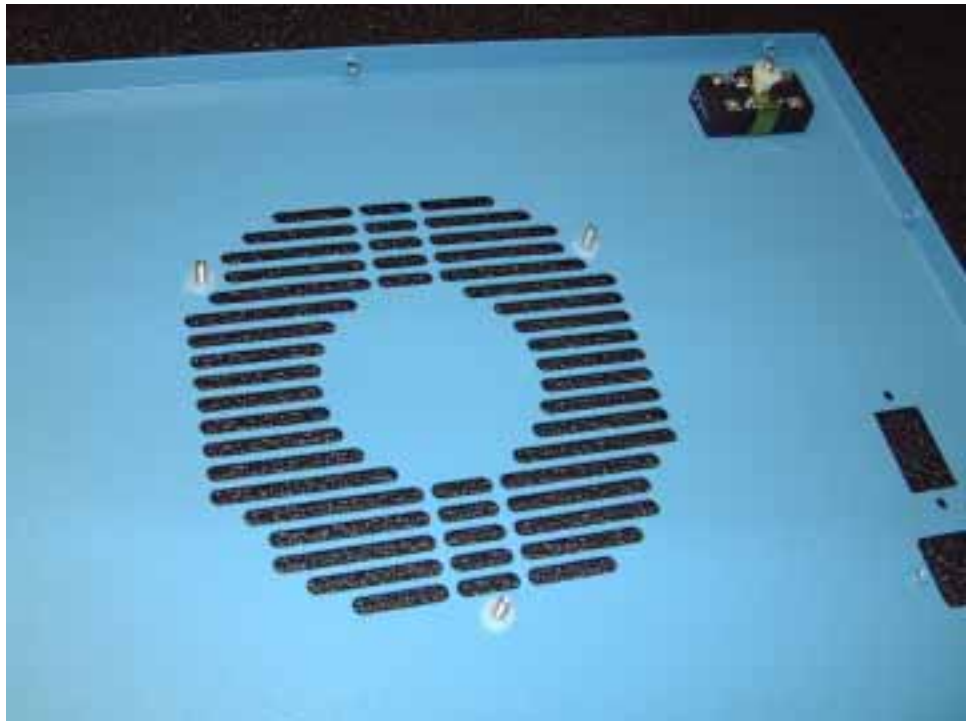
21)   Slide the U bracket over the threaded stud.
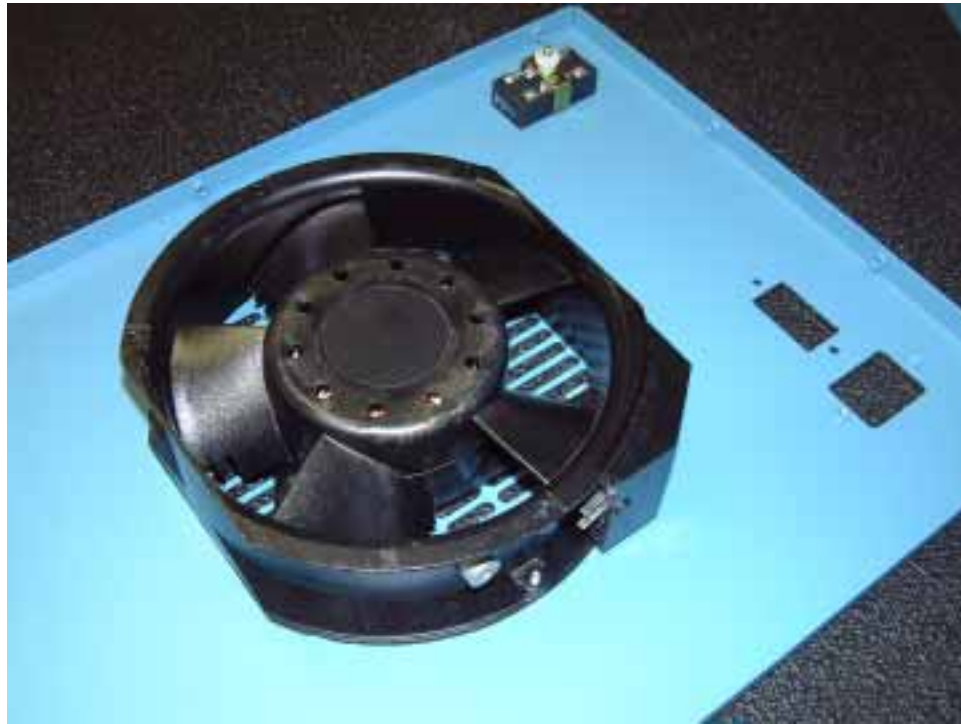

22)   Put the lock washer over the stud.

23) Twist on nylon finger screw, finger tight is adequate.
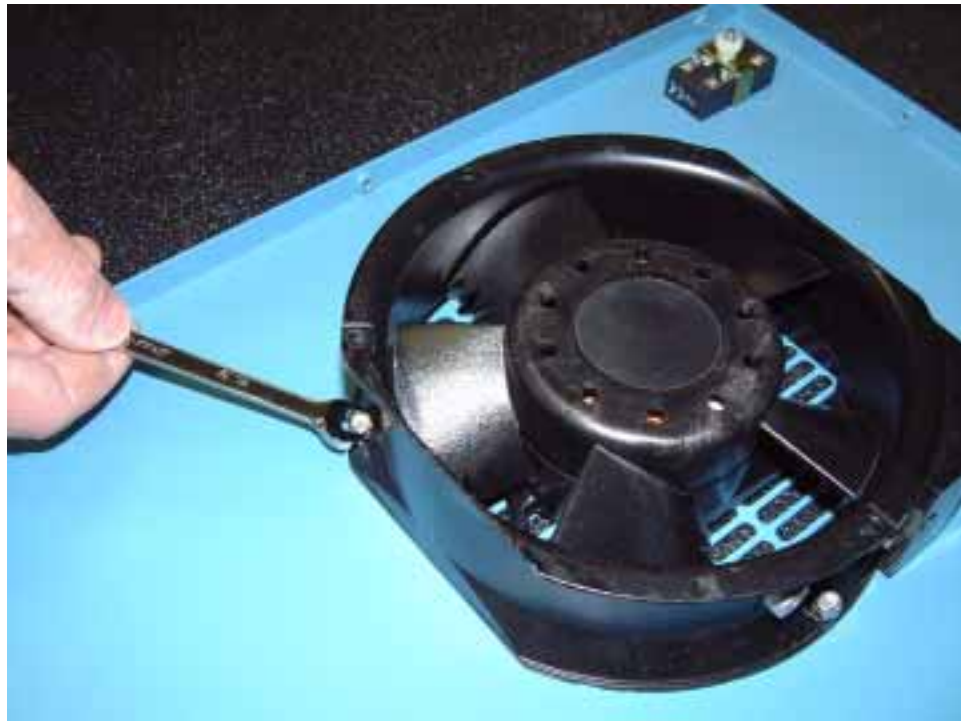

24) Replace the nylon washers you removed from the old panel for the fan.
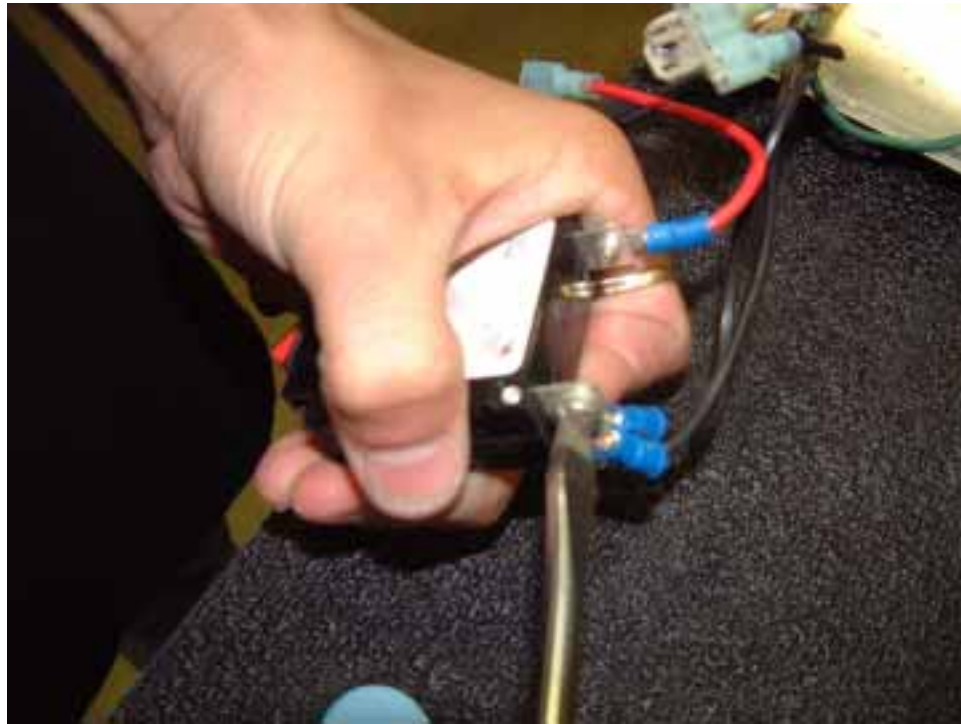
25)   Place the fan in this orientation.

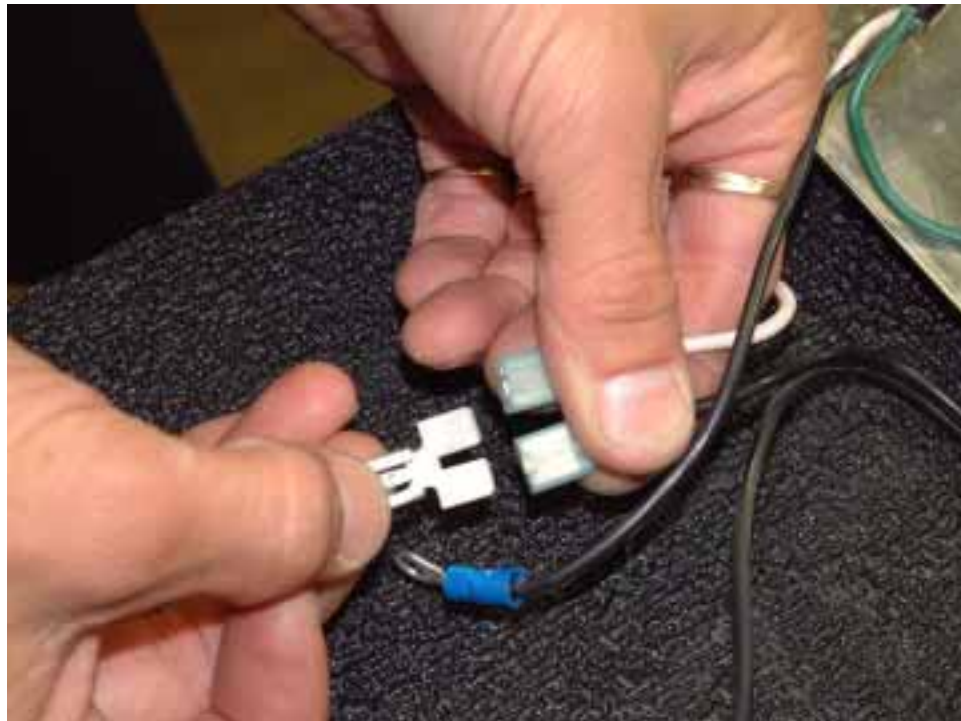26)   Put the lock nuts over the studs and tighten with a 5/16" wrench.

27)   Feed through the electrical power cable receptacle in this orientation.

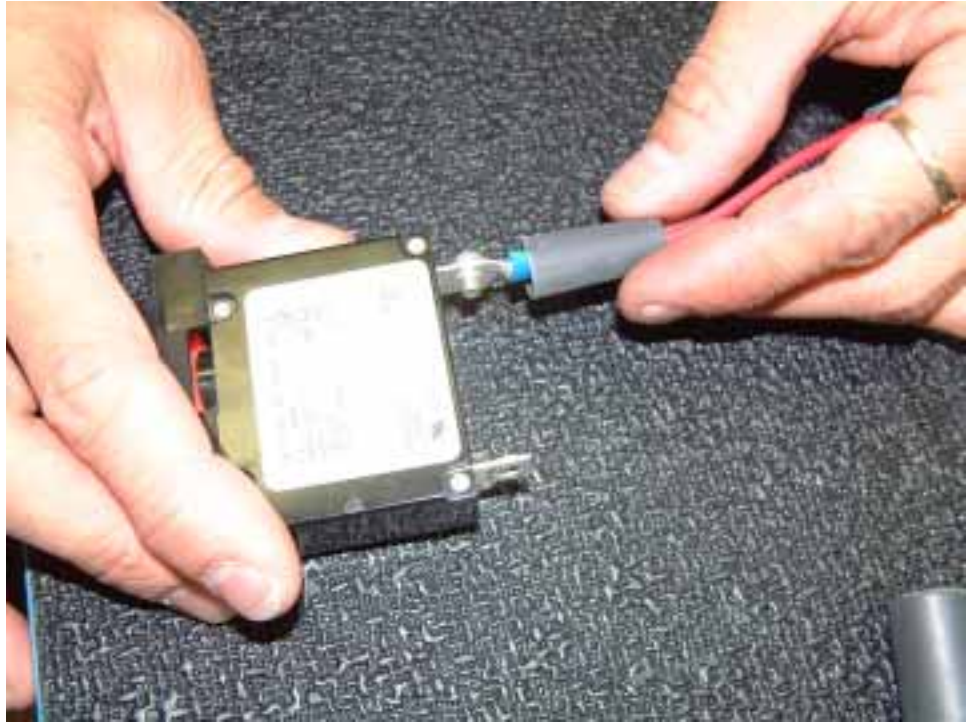28)   Replace the 4-40 screws you removed from the old panel for the receptacle.

29)   Remove the screw from the power switch that has the two black wires attached to it.
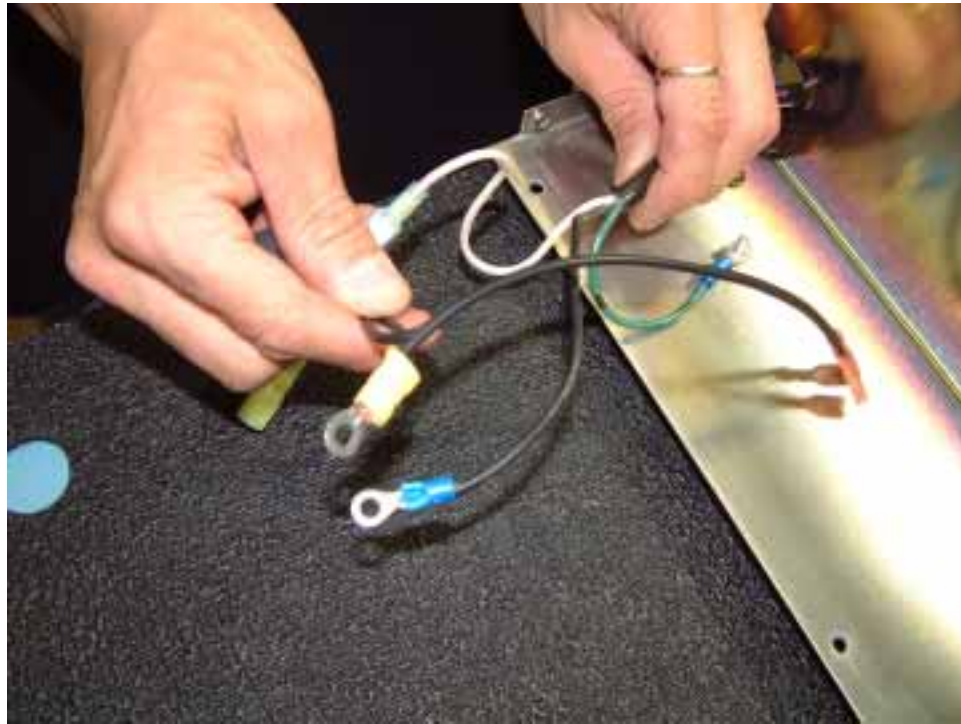

30)   Disconnect the Y terminal.

31) Take the power switch and slide the heat shrink tubing that was provided over the red wire.

32) Make sure the heat shrink tubing is over the terminal and then heat it up until it shrinks in to place.

29)   Take the terminal ring from the new harness and the black wire terminal ring from the compressor harness and bring them together.

30)   Bring the two terminal rings in a close proximity.

31)   Next slide the heat shrink tubing that was provided over the terminal rings.
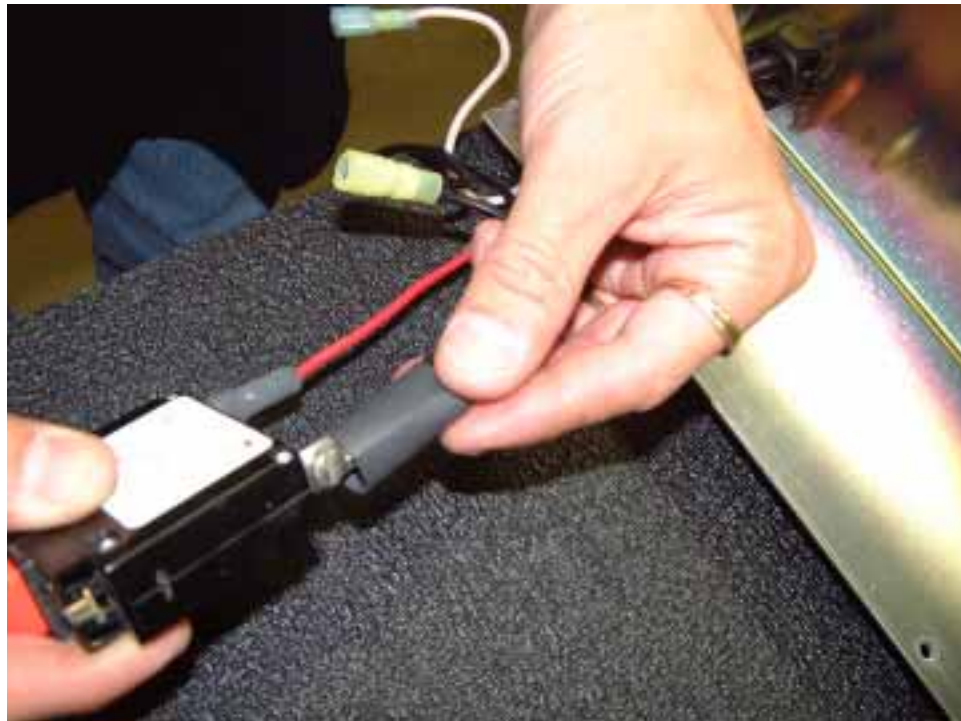

32)   Set the two terminal rings over the top screw tab of the power switch.
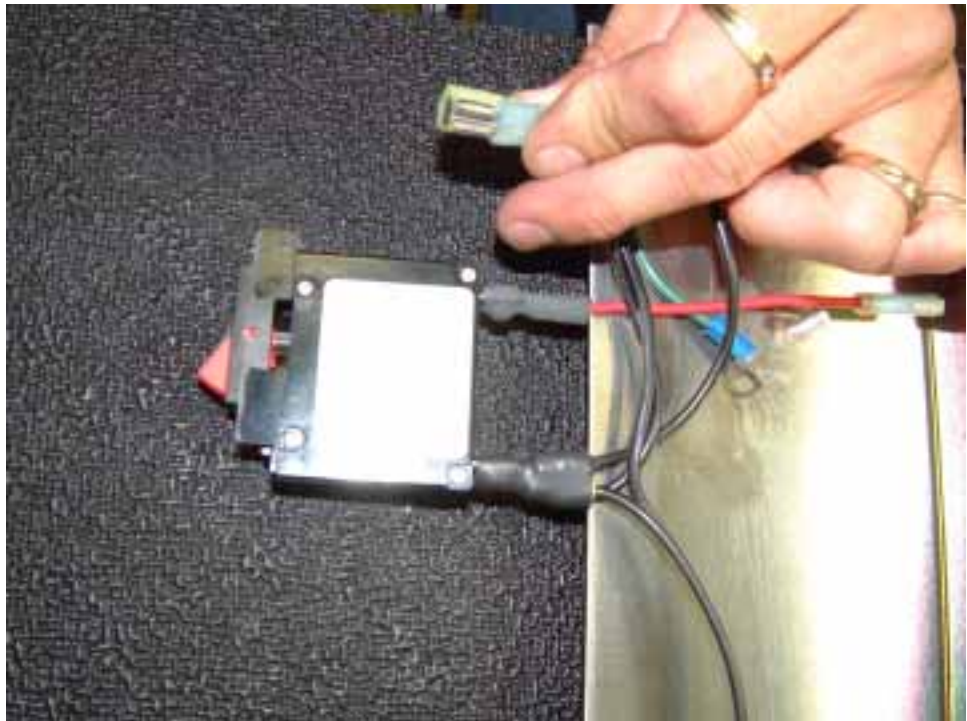
33)   Insert the screw and tighten down.

34)   Then slide the heat shrink tubing over the terminal rings, then heat it up until it shrinks in to place.

35)   Take the white wire from the compressor and the black from the fan/hour meter harness
      and slide the multi-stack adapter inside each terminal connector..
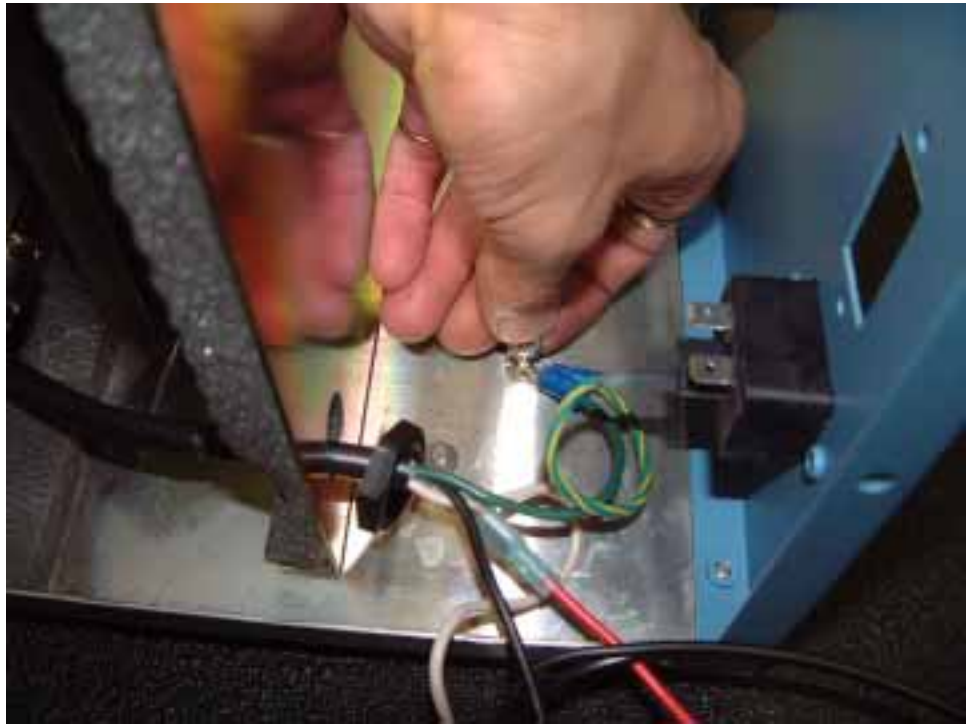

36)   The harness assembly should look like this.

37)   Turn the system on its side and line up the panel and insert the screws and tighten.

38)   Place the green/yellow chassis ground terminal ring and the green compressor ground over the ground post.

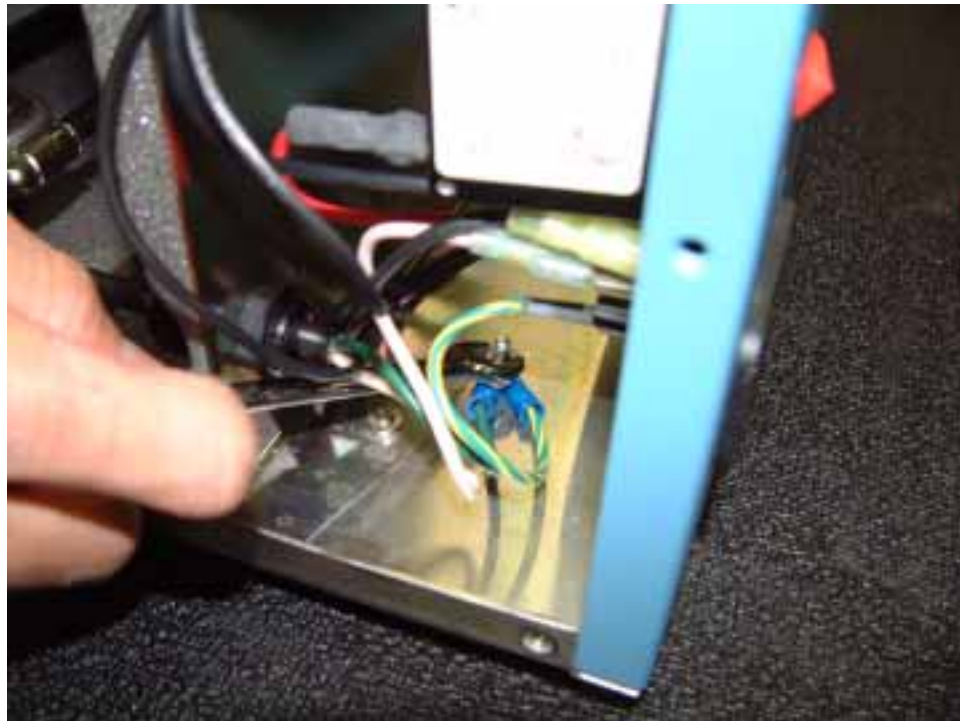39) Use the existing hardware to hold the terminal rings down.

40) Slide the compressor harness back to the notch in the cable and tighten down the bulk-head nuts.

41)   Reconnect the red line to the plug receptacle terminal to the rear and connect the compressor/fan harness to the front plug receptacle terminal.
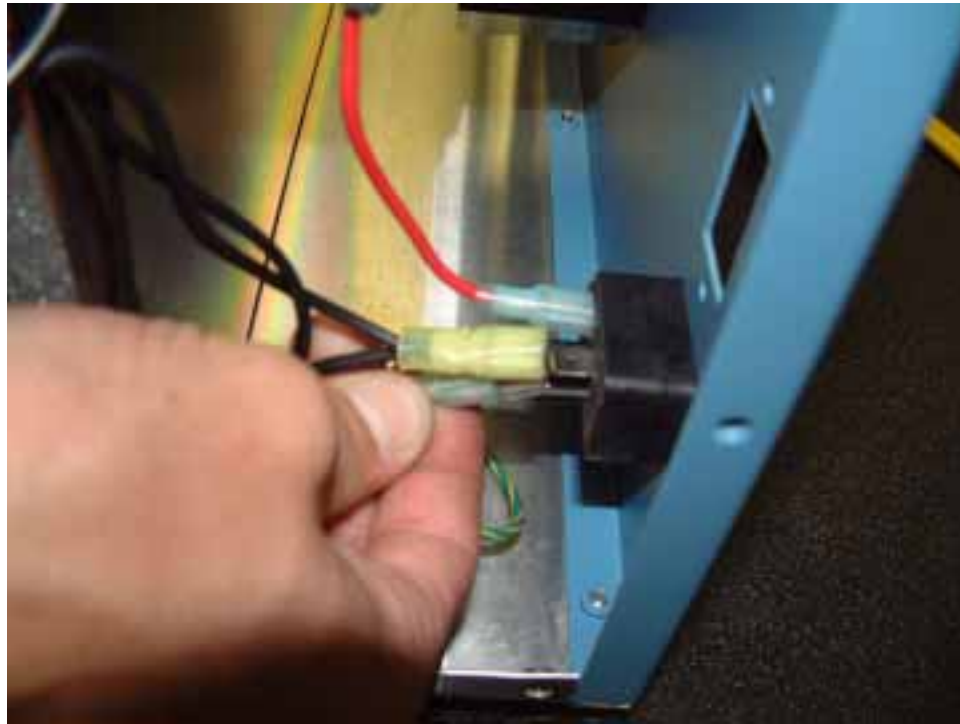
42)   Tighten down the hardware to the chassis ground post.

43)   Insert the power switch.

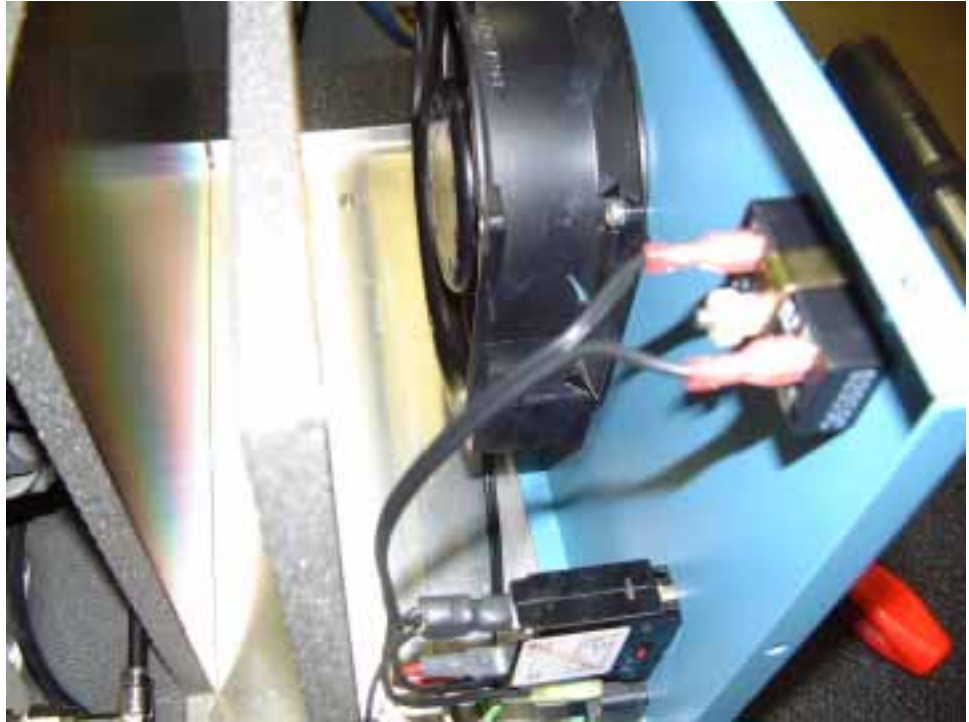44)   Use the same screws to mount the power switch.

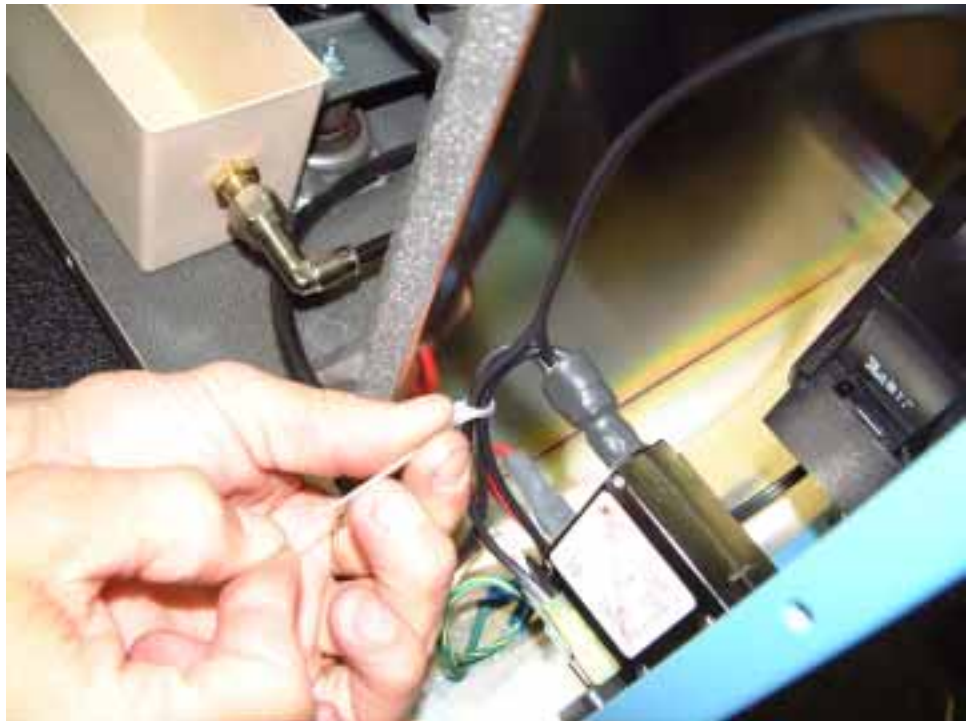45)   Reconnect the plug fan harness to the fan terminals.

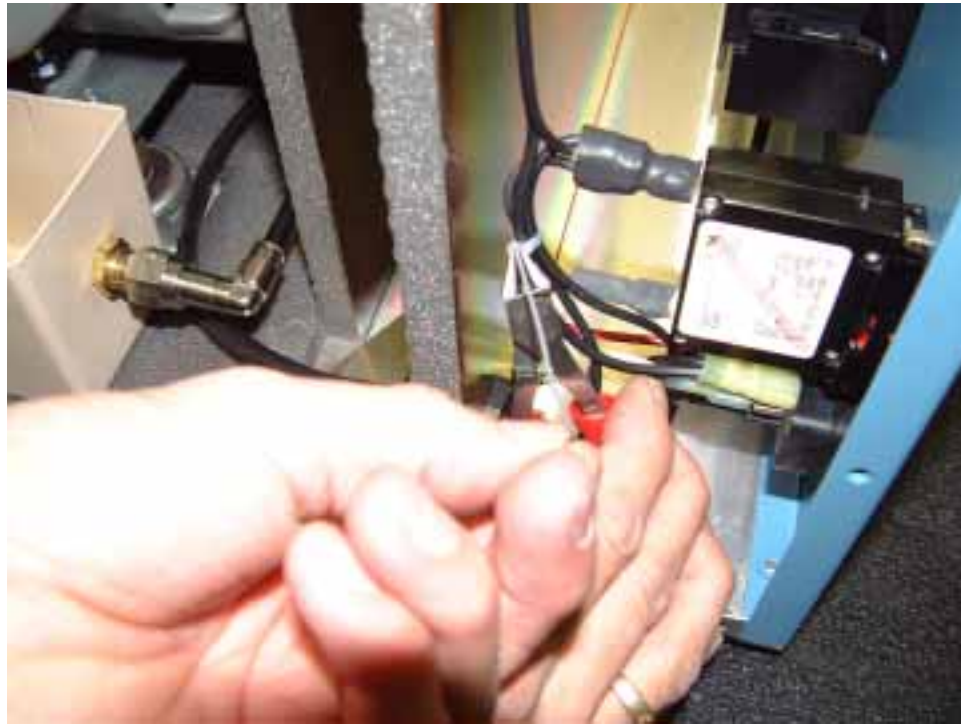46)   Connect the two black wire terminal connectors to the hour meter terminals.

47)   The assembly should look like this.

48)   Use the ty-raps provided to secure the harness together at this point.

49)   Using wire cutters clip off the excess plastic from the ty-rap.

50)   Add additional ty-raps as needed.

51)   Reinstall the system cover using the screws removed in step 1.

NOTE: Parts provided in upgrade.

     1. ACS-517B fan panel. (D99M25429)
     2. Fan/Hour meter harness assembly. (99M25427)
     3. LCD digital hour meter. (HRMETERACS)
     4. Multi-stack male/female adapter terminal (77-250)
     5. Ty-rap cable tie. 6 ea. (TY23M)