

TROUBLE SHOOTER CHECK LIST

If machine does not operate when hands are inserted:

Check panel box

Check for power to Printed Circuit Board

If machine continues to operate after turning power switch to off:

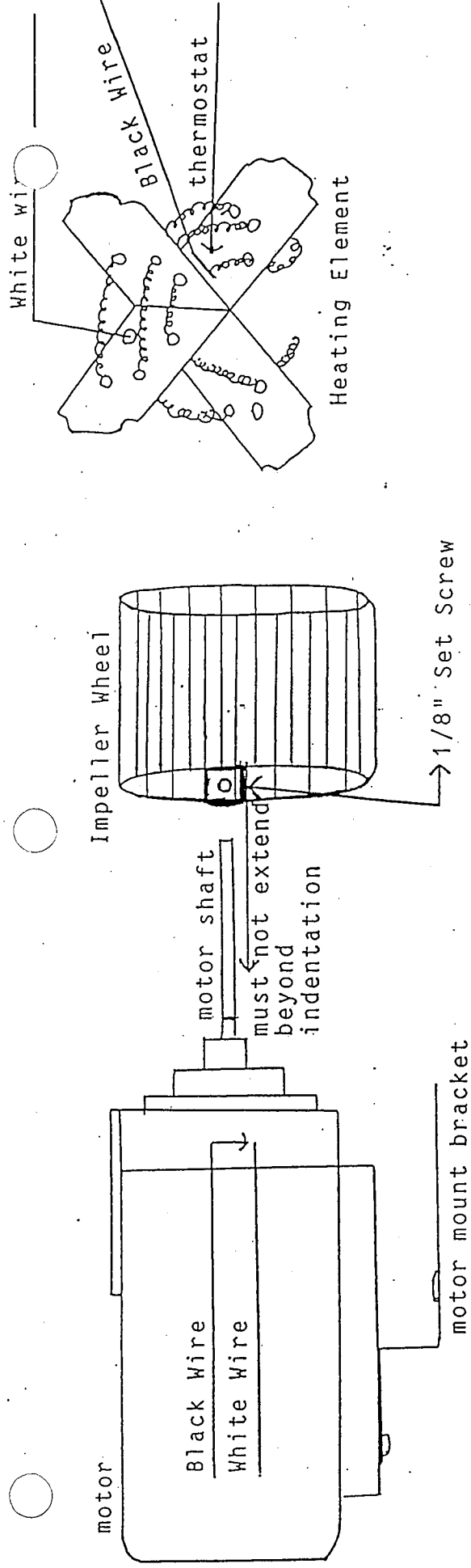
Replace switch

If machine operates but does not get hot:

Replace heating element

If machine makes humming noise but does not operate:

Replace motor



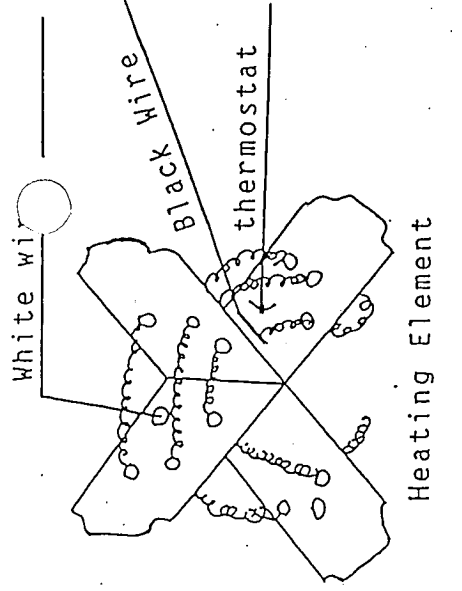
MODEL #ADC-10

To replace parts on fan housing assembly:

1. Turn power switch to off
2. Disconnect wires from printed circuit board
3. Remove screws holding left and right fan housings together
4. Remove right side of fan housing
5. Lay heating element over left side of fan housing
6. Loosen and remove impeller wheel from motor shaft by turning the set screw counter clockwise with a 1/8" Allen Wrench and sliding off
7. Remove screws holding motor to left side of fan housing
8. Slide out of left housing
9. Remove screws holding motor to motor mount bracket.

To reassemble:

1. Attach motor to bracket with two #6x3/8 Phil. Panhd tapping screws
2. Attach bracket to baseplate with two #10x3/8 Phil. Panhd thread cutting screws
3. Attach left fan housing to motor with two #4x3/8 Phil. Panhd tapping screws
4. Slide impeller wheel onto motor shaft being careful not to extend beyond indentation on shaft and tighten 1/8 set screw
5. Put heating element back in place at opening of fan housing with open end of coil at the bottom
6. Replace right fan housing and attach with four #10x1/2 Type A-AB Phil. Panhd tapping screws
7. Reconnect to printed circuit board (see electrical diagram)



MODEL #PDC-R10

To Replace Heating Element, Impeller Wheel, or Motor

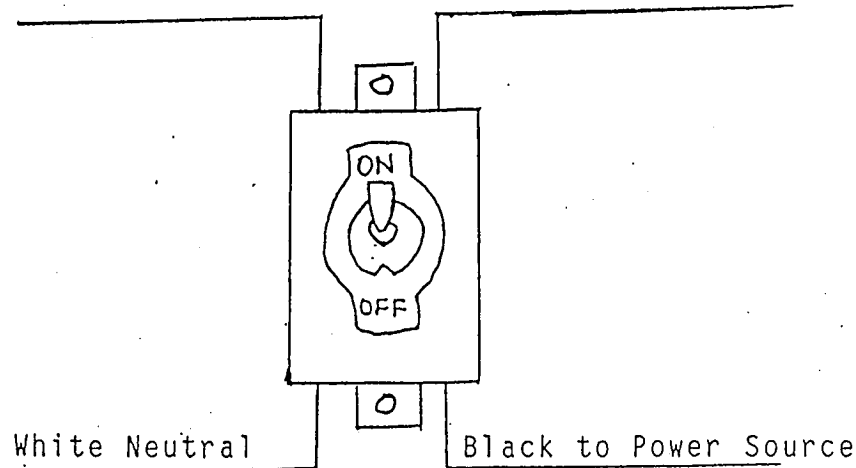
1. Turn machine off at switch
2. Disconnect wires from printed circuit board
3. Remove #6/32 Hex Machine Screw Nuts holding housing & drying chamber in place
4. Carefully remove housing & drying chamber from recess box
5. Remove #6/32 Phil Panhd machine screws & fan housing cover
6. If problem is heating element, replace defective heating element and go to step 15

To Replace Impeller Wheel and/or Motor

7. Remove inlet ring on right side of fan housing
8. Loosen and remove impeller wheel from motor shaft by turning the set screw counter clockwise with a 1/8 Allen Wrench and sliding off through hole in right side fan housing
9. If the motor needs replacing, remove screws holding motor to fan housing
10. Remove screws holding motor to bracket
11. Attach new motor to bracket using two 4x3/8 Phil Panhd tapping screws
12. Fit motor in place on left side fan housing and attach using two 4x3/8 Phil Panhd tapping screws
13. Slide impeller wheel through right side opening in fan housing onto motor shaft and tighten
14. Replace inlet ring
15. Replace fan housing cover
16. Carefully place fan housing and drying chamber back in recess box, making sure no wires are caught underneath, and secure with #6/32 Hex Machine Screw Nuts. **NOTE:** Before putting housing and drying chamber back in box, it is best to disconnect the LED wire from the circuit board and lay over the outside of the box and then slide the LED wire under the fan housing to avoid braking the wire.
17. Reconnect to printed circuit board (see electrical diagram)
18. Turn power switch on and replace outside cover, making sure lips in cover opening are over drying chamber and secure with 1/4 x 20 x 1 flat socket cap screws.
19. Cover LED lens to make sure machine operates properly

Black to PCB

Power Switch Assembly



MODEL #ADC-10

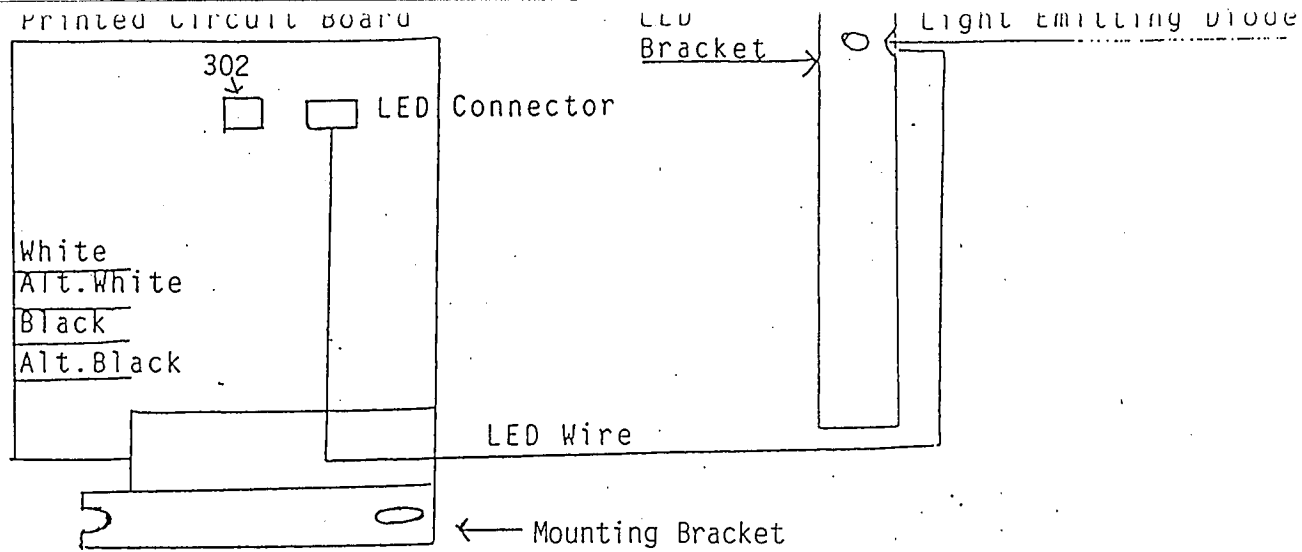
To replace power switch assembly:

1. Turn power off at panel box
2. Disconnect from printed circuit board
3. Disconnect from power source
4. Remove screws holding switch cover to baseplate
5. Replace with new switch assembly and tighten with two #10x3/8 Phil Panhd thread cutting screws, being careful not to catch wires under assembly as it is being secured
6. Run white neutral wire underneath cover
7. Reconnect wires to printed circuit board (see electrical diagram)
8. Reconnect to power source
9. Turn switch to "on"
10. Turn power on at panel box

MODEL #PDC-R10

To replace power switch assembly:

1. Follow first three steps above
2. Remove 6/32 Hex Machine Screw Nuts
3. Replace with new switch assembly and secure with 6/32 Hex Machine Screw Nuts, being careful not to catch wires under assembly as it is being secured
4. Run white neutral wire underneath cover
5. Reconnect to printed circuit board (see electrical diagram)
6. Reconnect to power source
7. Turn switch to "on"
8. Turn power on at panel box



MODEL #ADC-10

To replace Printed Circuit Board:

1. Turn power switch to off
2. Disconnect wires from printed circuit board
3. Disconnect LED wire from printed circuit board
4. Remove screws holding printed circuit board to baseplate
5. Attach new printed circuit board to baseplate with two #10x3/8 Phil Panhd thread cutting screws
6. Reconnect LED wire assembly through clips on baseplate if wire was removed for replacement
7. Reconnect wires to printed circuit board (see electrical diagram)

MODEL #PDC-R10

To replace Printed Circuit Board:

1. Turn power switch to off
2. Disconnect wires from printed circuit board
3. Disconnect LED wire from printed circuit board
4. Remove 6/32 Hex Machine Screw Nuts
5. Place new board in box and secure with Nuts
6. Reconnect LED wire
7. Reconnect wires to printed circuit board (see electrical diagram)

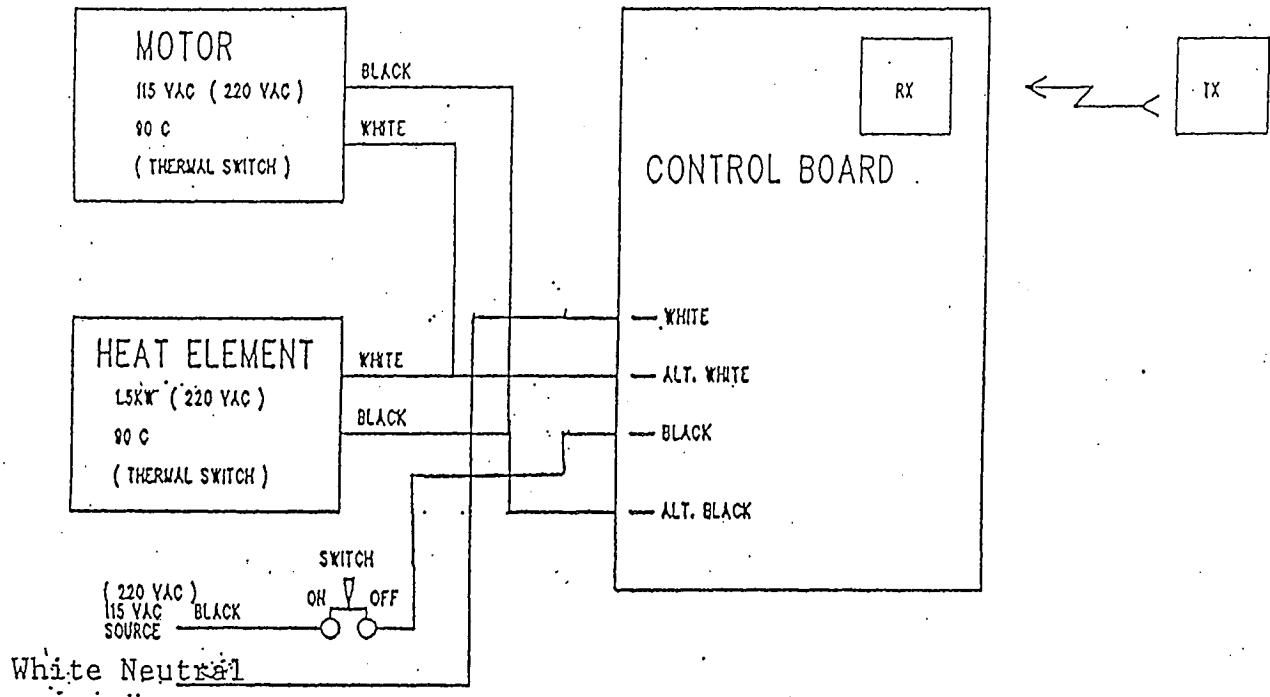
*Using the slotted mounting bracket, slide the board so the component marked 302 (small black square located to the left of the LED connector) is centered in the lens cover of the drying chamber.

White from motor and white from heating element go to Alt White.

Black from motor and black from heating element go to Alt Black.

Black from switch goes to Black.

White Neutral goes under switch cover to White.



THIS MACHINE HAS BEEN ELECTRICALLY SET.
CONTACT YOUR LOCAL REPS / FACTORY FOR ANY PROBLEMS.
ANY TAMPERING WITH ELECTRONICS BY ANY UNAUTHORIZED
PERSON MAY RENDER THE WARRANTY NULL AND VOID.