



## **STEPS TO REPLACE THE BLOWER MOTORS in PIL 1000 (G) or PIL NiteLite\***

\* *PIL NiteLite has single blower housing assembly*

*Tool kit provided with the unit has all the necessary tools for the operation below*

### **SUPPLY-**

Two nos. blower motor complete with fan blade and parallel connection already made. There are only two leads coming out that need to be wired.

You can check the blower operation by securing it safely and then providing power (*please check the power source for the appropriate blower voltage - 230V, 50 Hz **OR** 110V, 60 Hz*) before installing it in the PIL unit.

### **STEPS:**

- 1) Put the PIL unit on a high table so that you can access the blowers easily
- 2) Unscrew the blower wires connection only from the mounted connector (the 4 blower wires are connected together (*blower 1 wire 1 is twisted with blower 2 wire 1 and blower 1 wire 2 is twisted with blower 2 wire 2*))
- 3) Unscrew the nut of the centre bolt which is holding the blower housing and the blowers inside
- 4) Peel off the plastic sleeve on top of the blower housing
- 5) Take the top foam insulation out of the blower housing
- 6) Slide both the motor cases out (ensuring that wires are coming out of the slit easily)

### **THE STEPS (1-3) ARE FOR REPLACING THE BLOWER COVER (BLACK) ONLY:**

- 1) Take one blower and unscrew the 2 screws on the side, keep the bottom part separate
- 2) Unscrew the 2 screws on the inside where the motor is being held in place (*align the notches of the white fan to the screws for easy opening*) and keep the top part separate
- 3) Now you can replace the black blower cover only by putting a new one aligning with the blower motor guide ring and then reassembling it back.

### **THE STEPS BELOW ARE FOR REPLACING THE FAN BLADE (WHITE) ALSO:**

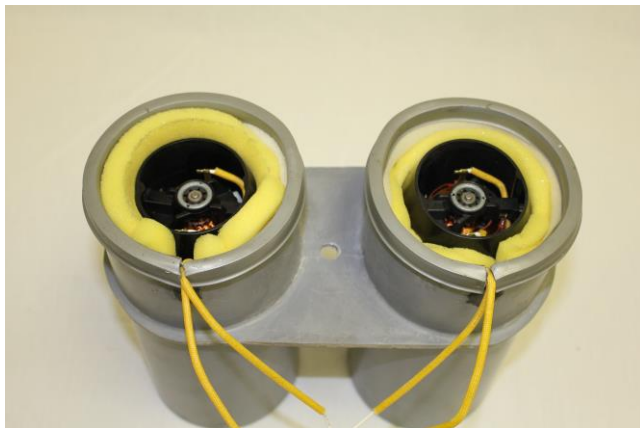
- 4) Using a 8 mm spanner, open the center hex nut of the white fan and pull it out
- 5) New blower cover – unscrew the screws and the take the white fan out, open the hex nut and slide the white fan on the rod of the motor till it snaps in place. Tighten the hex nut back properly, should not be loose and the white fan should rotate smoothly
- 6) Slide the motor on to the top part of the cover and align the notches of the motor properly on to the inside of the cover and the notches of the white fan to the screw holder. Tighten the screws back

- properly – tighten enough to keep the motor in place and it should not wobble. Check it to make sure and be careful as not to over tighten
- 7) Put the bottom part back on and screw it tight, make sure the wires coming out are in their own notches on the side before you tighten
  - 8) Repeat the steps above for the second blower, if needed
  - 9) Slide the blowers back in the blower housing. The open face of the blower should face the cloth and the white fan blade inside the blower should face the CG box.
  - 10) Align the whole blower housing back to the fiber cover through the center T bolt
  - 11) Tighten the nut on the center bolt again to tighten the housing
  - 12) Connect the blower wires in the connector and ensure they do not come out
  - 13) Deflate after the testing and store it properly. Please return the replaced blower covers/blade back to Prism Lighting Services immediately, if a RMA number is issued

**NOTE:**

Please use proper tools to loosen & tighten the nut on the blower mounting plate.

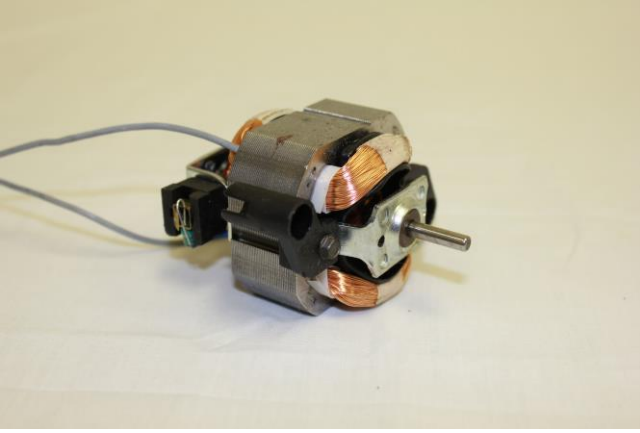
If you have any questions, please email us at [service@prismlighting.net](mailto:service@prismlighting.net) or feel free to call us at 904-880-9900



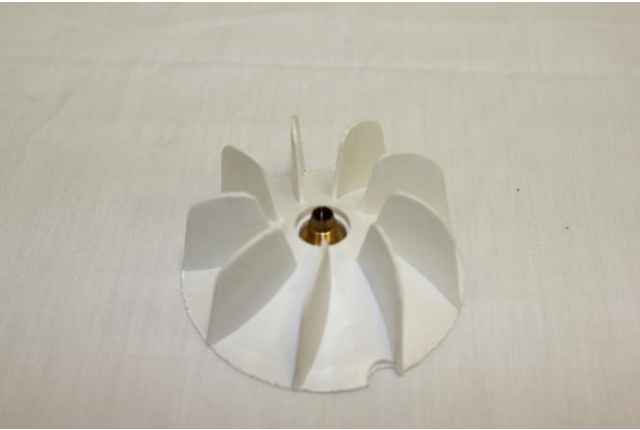
Blower Housing Complete



Blower Motor Complete



Blower Motor



Blower Fan Blade



Blower Motor guide ring