

Vector Plasma[®]

Maintenance and Troubleshooting Guide



The Vector Plasma is the latest advance in insect light trap design and engineering. It utilizes two flat 36 watt ultraviolet lights, positioned to maximize fly attraction and capture on the split pair of Vector[®] Universal Glueboard C. With its slim design, lightweight aluminum construction and use of electronic ballasts, it is easy to install, change glueboards and lamps, and will provide years of reliable service with little maintenance. To ensure optimal performance, please review the following maintenance and troubleshooting procedures.

 **BASF**

The Chemical Company

Light Bulb Replacement Procedure

- 1) Always unplug unit from electrical outlet prior to opening the unit
- 2) Bulbs have a surface operating temperature between 120° – 190° F; it is advisable to wait a few minutes until cool
- 3) Remove the bulb from the bulb retention clip by gently pulling it free
- 4) Press the red bulb ejector button on the receptacle, grasp the bulb at the base, pull free from the receptacle
- 5) Gently snap replacement bulb into retention clip
- 6) Align base of bulb so that the base rests flush against the receptacle (with no gap)
- 7) Press the base along the receptacle so that all 4 prongs click securely into the receptacle
- 8) Close screened cover
- 9) Plug unit into electrical outlet

Maintenance Tips

Plasma units were originally manufactured with plastic bulb retention clips. These clips were found to degrade quickly, becoming brittle within several months of use. Replacement clips constructed of spring steel for improved durability are now available. (See opposite page for retention clip replacement instructions.)

Troubleshooting Tips

If either or both bulbs glow dark purple (indicating a burned out bulb):

- Follow procedure for replacing bulbs
- Retain burned out bulb and contact BASF Pest Control Solutions at 800-777-8570 for evaluation and replacement if it has failed prematurely (prior to 12 months service)

If both bulbs are not glowing (no illumination at all), reset the safety circuit:

- The electronic ballast in the Vector Plasma has a safety circuit which temporarily shuts down the unit when an electrical surge occurs; this feature protects service personnel and the integrity of the unit
- Traps in shut down phase may appear to be defective or may give the false impression that the bulbs are burnt out
 - Common causes:
 - Bulbs are replaced without first unplugging the Vector Plasma unit
 - Unit is exposed to extreme wet conditions
 - Power surge occurred in building
 - Unit must be reset to resume normal operation

Procedure to Reset the Safety Circuit

- 1) Unplug the unit from the electrical outlet
- 2) Wait 15 seconds
- 3) A faint glimmer may appear in either or both bulbs indicating the unit has reset
- 4) Plug unit into electrical outlet
- 5) If bulbs are still not illuminated, follow procedure for replacing bulbs

NOTE: If reset procedure does not correct problem and bulb replacement does not correct problem, return the Vector Plasma unit to BASF Pest Control Solutions for evaluation and/or replacement.

If unit is defective, return to:
BASF Pest Control Solutions
3568 Tree Court Industrial Blvd.
St. Louis, MO 63122

Maintenance Tips

Replacing the lamps, glueboards and bulb retention clips may be performed by the user. All other repairs and maintenance must be performed by qualified personnel only. There are no other user serviceable parts inside the unit.

Replacing Bulb Retention Clips

Clip replacement procedure:

- 1) Unplug the unit from the electrical outlet
- 2) Remove bulb
 - Remove the bulb from the bulb retention clip by gently pulling it free
 - Press the red bulb ejector button on the receptacle, grasp the bulb at the base, pull free from the receptacle
- 3) Remove unit from wall
- 4) From the back side of the unit, squeeze the exposed plastic tabs on clip and push through to the front of the unit
- 5) Insert the base of the replacement metal clip into the front clip opening so that the clip arms are vertical to each other
- 6) Re-install bulb
 - Gently snap replacement bulb into retention clip
 - Align base of bulb so that the base rests flush against the receptacle (with no gap)
 - Press the base along the receptacle so that all 4 prongs click securely into the receptacle
- 7) Mount on wall and plug unit into electrical outlet

Red Bulb Ejector Button



Receptacle

Bulb Base

Universal Glueboard C



Bulb Retention Clips

