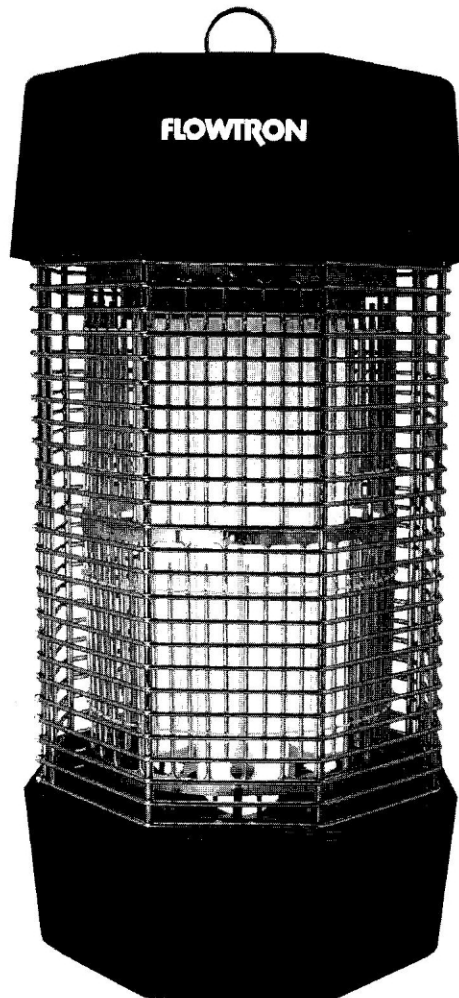


# FLOWTRON<sup>®</sup>

## Electronic Insect Killer

MC-9000  
OWNER'S  
MANUAL



Residential  
Model

### One Year Limited Warranty

Flowtron warrants your electronic insect killer to be free from defects in materials or workmanship under normal use and service for one year from date of original purchase. All defective parts except for burned out bulbs, will be repaired free of charge. Any implied warranties, including the implied warranty of merchantability are also limited in duration to the one year period from the original purchase date.

The provisions of this warranty shall not apply to any Flowtron bug killer which has been subject to misuse, neglect or accident, nor which is used for a purpose for which it is not designed, or which shall have been repaired or altered in any way so as to adversely affect its performance and reliability.

Service by unauthorized parties voids your warranty. Warranty covers only the original purchaser. Commercial and/or professional use is excluded from warranty coverage.

Flowtron neither assumes nor authorizes any person to assume for it any other liability in connection with its product. No responsibility is assumed for any consequential damages that may result from the use of a Flowtron product, nor for damages due to accident, abuse, lack of responsible care, the affixing of any unauthorized attachment, loss of parts or subjecting this unit to any but the specified voltage.

If the unit fails to operate during the warranty period, send the product, along with purchase receipt showing purchase date and description of the problem to: Flowtron Service Center, 15 Highland Avenue, Malden, MA 02148. Transportation costs for returning any defective product are the responsibility of the consumer.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

## Installation & Maintenance Instructions

READ ALL INSTRUCTIONS BEFORE USING  
SAVE INSTRUCTIONS FOR FUTURE REFERENCE

# IMPORTANT SAFETY INSTRUCTIONS

Please read these instructions before using your Flowtron Insect Killer and keep for future reference.

1. Do not mount unit on house, deck or other structures or near gas, oil or other flammable materials
2. To avoid the risk of fire, clean dead insects and insect debris from the unit frequently.
3. Never insert fingers or any foreign object into the unit while it is connected to an electrical outlet.
4. Always disconnect electrical power before servicing, cleaning, handling or disassembling unit.
5. Always disconnect electrical power before re-lamping. Use only Flowtron replacement bulbs type BF-150, maximum 40 watts.
6. Do not clean this product with water or any other liquid or place it where it can fall into water. Do not clean unit with a water spray or the like.
7. For outdoor residential use only. Store indoors when not in use, out of reach of children
8. Do not abuse power cord. Never carry unit by its cord or yank cord to disconnect from receptacle. Keep power cord away from heat, oil and sharp edges. Repair or replace damaged power cords.
9. Appropriate extension cords and devices for retaining an extension cord connection to the insect killer power cord are available at your local hardware or home supply store, usually orange or yellow in color.
10. Use only three-wire extension cords which have three-prong grounding type plugs and three-pole receptacles which accept the products plug. **Replace or repair damaged cords.**
11. Outdoor extension cords must be used with insect killers intended for outdoor use. Use extension cords marked SJW-A, SJEW-A or SJTW-A and tagged "suitable for use with outdoor appliances". The electrical rating of the extension cord must be as great as the electrical rating of the insect killer.
12. **CAUTION:** To minimize the risk of some UV exposure keep *continuous* human activity six feet away from illuminated unit.

## PLACEMENT:

Model MC-9000 is recommended for areas up to two acres. Place the unit about 25 feet away from areas intended for human activity, between the source of insects and the area to be protected. Hang the unit approximately seven feet above the ground, out of reach of children, pets and animals.

## WHY 25' :

The 25' recommendation is based on the fact that natural pheromones that humans expel, such as carbon dioxide and perspiration are always more attractive to insects than any bug zapper/ultra-violet light. So by placing the unit about 25' away from human activity you are assured that the insects will be drawn away from you and towards the unit.

The height placement of 6' to 8' off the ground is based on the average flight range of most insects.

## INSTALLATION:

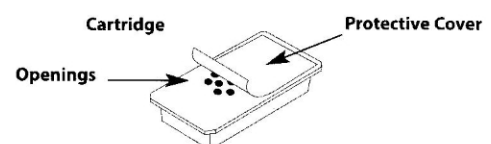
1. Unpack the unit and save packaging material for off-season storage.
2. Select a location using the guidelines listed above.
3. Hang the unit from a sturdy mounting surface such as a pole, tree or other free standing object.
4. Plug the power cord into a compatible extension cord rated for outdoor use. The ultraviolet bulbs will light within a few seconds and the unit will emit a bluish glow.
5. The MC-9000 is designed for outdoor use and will withstand inclement weather. If excess arcing occurs during heavy rain, and is objectionable, just disconnect power.

## INSTALLING THE MOSQUITO ATTRACTANT CARTRIDGE:

A Flowtron Octenol Mosquito Attractant cartridge is included with this unit. U.S. Government and university researchers have demonstrated that Octenol, a component of respiration, is effective in attracting many species of mosquitoes and biting flies. Your insect killer uses an exclusive slow-release Octenol cartridge, MA-1000, which increases the effectiveness of the unit to lure mosquitoes and biting flies into the killing grid.

## DIRECTIONS FOR USE:

1. Remove the cartridge from the sealed pouch and peel the protective cover from the face of the cartridge. Avoid touching the openings in the cartridge and always wash your hands thoroughly with soap and water after contact. See illustration.
2. Press the one cartridge firmly into either of the three bulb retainer openings at the bottom of the unit. Install with the cartridge openings facing downward. Use the enclosed double face tape to secure the cartridge in the location specified. See illustration.



**OPERATION:**

When your insect killer is ON, it will produce the heat and convective airflow to vaporize the lure and disperse it at the proper rate per hour for maximum effectiveness. For best results, replace the lure every 30 days. Replacement lures, MA-1000, are available at your retail dealer or on line at [www.flowtron.com](http://www.flowtron.com).

**MAINTENANCE:****Cleaning:**

Your insect killer is equipped with self-cleaning killing grids and require no special maintenance other than cleaning dead insects and insect debris from within the unit. To avoid the risk of fire this should be done frequently using a small brush or a blower such as a portable hair dryer, or the exhaust attachment of a vacuum cleaner.

**BULB REPLACEMENT:**

Replace bulb(s) with Flowtron type BF-150, maximum 40 watts.

1. Disconnect unit from its electrical source.
2. Remove three screws holding bulb retainer plate at base of unit as shown. See back page of owner's manual part No. 23.
3. Pull bulb down, out of socket.
4. Insert replacement bulb into socket.
5. Replace bottom cover making sure that actuator pin is located in proper position and secure with three screws.

**CAUTION:**

Be sure to unplug the unit before cleaning. To avoid the risk of electrical shock, do not clean the insect killer with a water spray or the like.

**NOTICE:**

Ultraviolet or "black light" is invisible to the eye, and its ability to attract insects diminishes over time. Therefore, although the bulb appears to be functioning it should be replaced every season to maintain optimal "black light" effectiveness and attraction.

**Troubleshooting and Repair Analysis**

Caution: unplug unit before servicing

Problem	Possible Cause	Correction
A. Bulb(s) do not light and no high voltage on grid.	<ol style="list-style-type: none"> <li>1. No electrical power.</li> <li>2. Lamp(s) not seated properly.</li> <li>3. Interlock open.</li> <li>4. Burned-out bulb(s).</li> </ol>	<ol style="list-style-type: none"> <li>1. Check fuse or circuit breaker. Check extension cord.</li> <li>2. Check all sockets for proper seating and alignment.</li> <li>3. Check bulb retainer plate. Ensure it is fastened in place.</li> <li>4. Replace bulb.</li> </ol>
B. Bulb(s) light, but no high voltage on grid.	<ol style="list-style-type: none"> <li>1. Shorted grids.</li> <li>2. Transformer defective.</li> </ol>	<ol style="list-style-type: none"> <li>1. Examine killing grid for material build-up. Clean grid using an air blower.</li> <li>2. Replace by manufacturer required.</li> </ol>
C. Intermittent or continuous sparking between grid rods.	<ol style="list-style-type: none"> <li>1. Gap between grid rods is too small.</li> <li>2. Grid clogged with foreign material.</li> </ol>	<ol style="list-style-type: none"> <li>1. Unplug unit and adjust grids by bending back into alignment.</li> <li>2. Clean grid using an air blower.</li> </ol>
D. Bulb lights, but no longer attracts insects.	<ol style="list-style-type: none"> <li>1. Invisible blacklight output reduced due to bulb age.</li> <li>2. Octenol lure no longer effective.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace bulb. See bulb replacement section of owner's manual.</li> <li>2. Replace Octenol cartridge.</li> </ol>

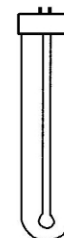
Any problems you encounter that are not corrected by the action recommended in this chart should be referred to the Flowtron Customer Service Department.

**Flowtron Insect Killer Accessories****Powerful Lures:****Mosquito Attractant – MA 1000****Mosquito Attractant – MA 1000-6 (6-pack)**

Makes your insect killer more effective in eliminating certain mosquitoes and biting flies.

**Replacement Bulb****Model BF-150**

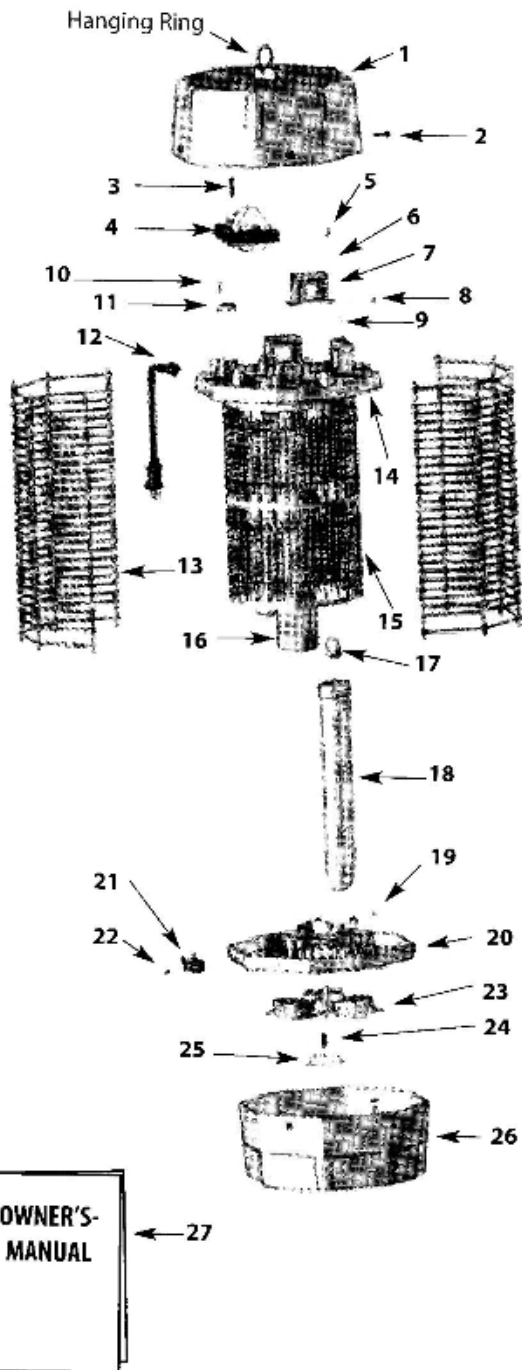
Yearly replacement recommended to maintain maximum black light output.

**Fly Sex lure – FA 5000**

Makes your insect killer more effective in eliminating and killing house flies.



### Exploded View



Ref #	Part Number	Description	Qty	Where Used
1	505 10932	Top Cover Assy	1	
2	345 2285P30	Scr, PH, Phil, #25, 8-18 x 3/4	6	Top & Bottom Covers
3	345 2285P32	Scr, PH, Phil, #25, 8-18 x 1.0	4	Transformer
4	576 10974	Transformer	1	
5	345 3509P40	Scr, PH, Phil, #25, Zi, 10-16 x 1/2	6	Ballast
6	245 6272P04	Washer, Flat, Stl, Zi Pl, 10-32	6	Ballast
7	532 2790	Ballast	3	
8	545 10663	Acorn Nut 10-32	8	Top & Bot Plate
9	245 6236P27	Scr, SM, PH, Phil, AB, Zi, 8 x 3/8	2	Glo Tube
10	345 3509P28	Scr, PH, Phil, #25, Zi 8-18 x 1/2	2	Cord Clamp
11	555 10946	Cord Clamp	1	
12	512 7785	Power Cord	1	
13	572 10951	Grille	2	
14	555 10942	Top Plate	1	
15	505 10935	Grid Assy	1	
16	568 10950	Glo Tube	1	
17	571 6357	Bulb Socket	3	
18	530 5614	Black Light Bulb	3	BF-150
19	345 3509P11	Scr, PH, Phil, #25, Zi 6-20 x 3/8	6	Killing Grid
20	505 11000	Bottom Plate Assy	1	
21	594 10952	Interlock Switch	1	
22	245 6251P06	Scr, Thd Cut, PH, Phil, F, Zi, 4-40 x 5/8	2	Switch
23	555 10945	Bulb Retainer Plate	1	
24	345 2285P29	Scr, PH, Phil, #25, 8-18 x 5/8	3	Bulb Plate
25	505 10455	Octenol Cartridge	1	
26	555 10944	Bottom Cover	1	
27	557 10940	Owner's Manual	1	
	505 10938	Cable Assy, Interlock (Not Shown)	1	
	505 10544	Starter (Not Shown)	3	
	595 1506	Wire Connector (Not Shown)	4	