

# Mosquito MistAway System™

## Biting Back Yard by Yard



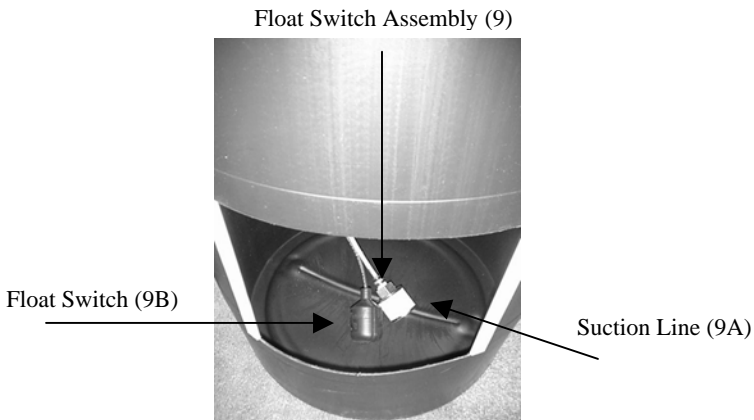
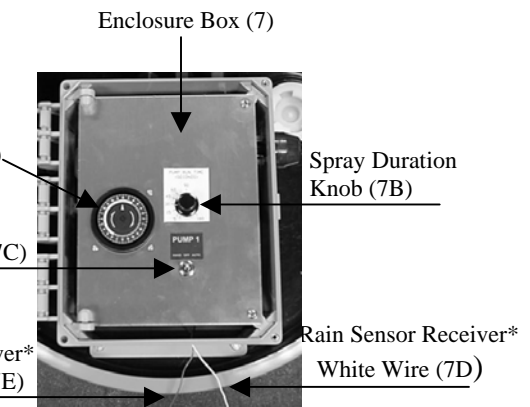
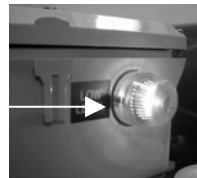
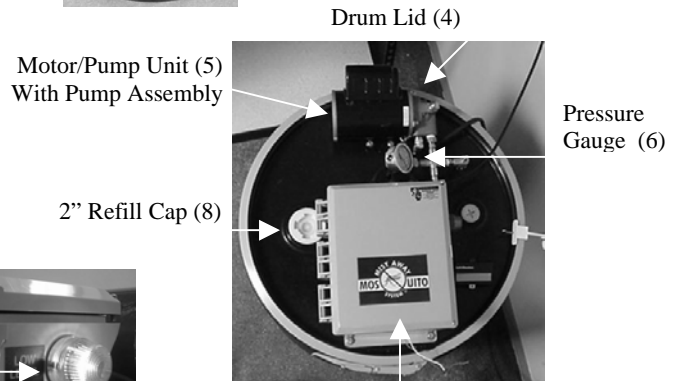
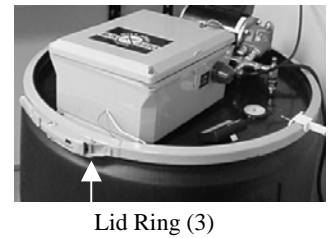
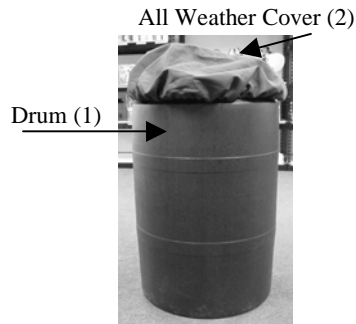
Manufactured by:

**MistAway Systems**  
**Houston, TX 77043**

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# MISTAWAY SYSTEM PARTS

1. Drum
2. All Weather Cover
3. Lid Ring
4. Drum Lid
5. Motor/Pump Unit with Pump Assembly
6. Pressure Gauge
7. Enclosure box
  - (7A)Timer
  - (7B)Spray Duration Knob
  - (7C)Pump Switch
  - (7D)Rain Sensor Receiver White Wire\*
  - (7E)Remote Control Receiver Gray Wire\*
  - (7F) Low Level Light
8. 2" Refill Cap
9. Float Switch Assembly
  - (9A)Suction Line
  - (9B)Float Switch
10. Remote Control Transmitter\*
11. Rain Sensor\*
12. Wind Sensor\*
13. Wind/Rain Sensor\*



## OPTIONS

Remote Control Transmitter\* (10)



Rain Sensor\* (11)



Wind Sensor\* (12)



Wind/Rain Sensor\* (13)



\* All systems do not have these options

All systems may not look exactly like these pictures.  
Call for technical support if you have any questions about your particular system.



## **MISTAWAY SYSTEM INITIAL INSPECTION**

Check drum for above parts. Depending on how drum was shipped, some parts may be located inside the drum.

### **BEFORE DRUM IS OPENED MAKE SURE POWER CORD IS UNPLUGGED**

To open, remove the Lid Ring (3). Carefully remove Drum Lid (4) making sure it does not fall inside the Drum. Remove all parts that may have been shipped inside Drum. Check the Float Switch Assembly (9), Suction Line (9A) and Float Switch (9B), making sure they are fastened together, untangled and hanging freely. **DO NOT** cut Float Assembly fasteners. Make sure Suction Line (9A) and Relief Tube are securely pushed into the Pump Assembly (5).

Place Drum Lid (4) on Drum and refasten Lid Ring (3).

Attach Pressure Gauge (6) to Pump Assembly (5) in 45° fitting. Make sure Teflon Tape is applied to Pressure Gauge (6) before attaching. Using a wrench, tighten Pressure Gauge securely.

Place Drum on level ground making sure it is near a 110v power source and water supply. An outdoor, grounded extension cord can be used to reach desired power source. Drum can also be placed indoors such as garage, shed, barn etc. If System is to be outdoors, it should have an All Weather Cover on at all times.

## **MISTAWAY SYSTEM NOZZLE PLACEMENT**

For optimum performance nozzles should encompass entire perimeter of area to be protected. Nozzles should be placed 10' apart around patio, pool and other entertaining areas and 15' apart throughout perimeter of area. Nozzles should not be placed further than 15' apart. For best performance nozzles should be placed 8' – 10' high.

Nozzles can be installed on the eaves of home, along fence lines, on risers in flower beds and on trees. Some plants and fish cannot tolerate certain insecticides. **Refer to insecticide labels for proper use.** If your system requires more than 60 nozzles, contact your dealer to determine layout.

## **MISTAWAY SYSTEM NOZZLE ATTACHMENT**

Always use a tube cutter to ensure a straight cut.

Insert one end of tube into ¼" Male Elbow on Pump Assembly (5). To secure tubing into all fittings, firmly insert tubing into fitting, then pull back to lock into place. From this point, use union tees to allow tubing to go into desired directions. If a Check Valve is used, place it in the line before the first nozzle where pressure needs to be maintained.

Place a 90° Nozzle or Tube Plug at the end of all lines.

Contact a local hardware store for specific attachment fittings. Possible suggestions include 1/4" and 3/8" nylon clamps, tubing staples, and masonry plugs. **Before drilling into any surface, contact surface manufacture to ensure proper sealant is applied.**

## **MISTAWAY SYSTEM PRESSURIZING AND TESTING**

### **MAKE SURE POWER CORD IS UNPLUGGED**

Open 2” Refill Cap (8) located on Drum Lid (4). Using water supply, fill drum half way. Replace 2” Refill Cap. Plug power cord into 110V outlet. Open Enclosure Box , flip Pump Switch (7C) to ““HAND””. With system running, turn Needle Valve on the Pump Assembly (5) clock wise to increase or counter clock-wise to decrease the pressure until the Pressure Gauge (6) reads 170-180 psi. 170-180 will not be reached until the MistAway System purges all air out of the tubing line and nozzles. With one person operating the Needle Valve, another person needs to check for leaks at all connections. **Make sure pressure gauge does not exceed 250 psi at any time.**

If any leaks are found, flip Pump Switch (7C) to “OFF”. **UNPLUG POWER CORD.** Repair all leaks. After leaks have been repaired, plug system back in.

**Flip Pump Switch (7C) to “Hand”. Watch Pressure Gauge (6) closely as pressure may increase rapidly. Do not allow pressure to exceed 250 psi, as this may result in major damage to your system and will void your warranty.**

Turn Needle Valve counter clock-wise to decrease the pressure until the Pressure Gauge reads 170-180 psi. Recheck for leaks. If no leaks are found, continue running MistAway System until all air is purged and Pressure Gauge is holding between 170-180 psi.

Once optimum psi has been achieved, flip Pump Switch to the “AUTO” position. Also tighten the lock nut located on top of the Needle Valve.

## **MISTAWAY SYSTEM FILLING AND REFILLING**

### **MAKE SURE POWER CORD IS UNPLUGGED**

Open 2” Refill Cap (8) located on Drum Lid (4). Refill Drum with water half way. Add insecticide according to instructions on its label. Use only **water-based insecticides** in the MistAway System. Consult dealer about products to use. Continue filling Drum with water until level is about 3” from the top. **Be sure not to get the Enclosure box and/or timer wet.**

As a safety precaution, when the liquid in the Drum becomes low, the MistAway System will automatically shut itself off and the Low Level Light (7F) will illuminate. Remember running the pump dry may cause damage and will void your warranty.

- **It is violation of Federal Law to use insecticides in a manner inconsistent with their labeling.**
- **Always store and dispose of any insecticide container by the approved state and local procedures in your area. Contact your local Structural Pest Control Board with any questions regarding this matter.**

- **As with any insecticide always wear goggles, face shield or safety glasses.**
- **Thoroughly wash your hands and any contaminated clothing with soap and water.**

## **MISTAWAY SYSTEM TIMER SETTING**

Determine how many spray cycles to spray per day. Four to six, 30-45 second durations is average. Refer to insecticide labeling or consult your dealer for recommendations.

Once spray cycles are determined, press in the tabs on Timer Dial (7A) located inside Enclosure Box to set designated spray times. The Timer Dial has 12 hours in black and 12 hours in white. The black numbers are nighttime hours and the white numbers are daytime hours.

Once tabs are set, rotate Timer Dial (7A) clockwise to set time of day. Keep in mind black numbers are nighttime hours and white numbers are daytime hours. To set spray duration, turn Duration Knob (7B) to desired seconds.

The MistAway System comes with a battery backup. If power is lost to the system for any reason, the timer will keep accurate time and not need to be reset. Remember to adjust your timer for Daylight Savings Time. At this time, plug power cord into 110v outlet and enjoy a mosquito free yard.

## **MISTAWAY SYSTEM WINTERIZING**

### **MAKE SURE POWER CORD IS UNPLUGGED**

Open and remove the Lid Ring (3). Carefully remove Drum Lid (4) making sure it does not fall inside the Drum. Pull the Float Switch Assembly (9) out of the liquid in the Drum.

Pour 2-5 gallons of Windshield Washer Fluid or another environmentally safe product into a large pail. Place the Suction Line (9A) into the pail. Make sure the Relief Tube (the 7" long tube located underneath the Drum Lid) discharges into the same pail.

Plug the power cord back in. Open the Enclosure Box (7) and flip the Pump Switch (7C) to the "HAND" position. Run the unit until the Windshield Washer Fluid has filled all the tubing lines and nozzles. Once all the insecticide has been purged and you see the Windshield Washer Fluid spraying from all nozzles, switch the Pump Switch back to the "OFF" position. **Do Not Run The Pump Dry.**

### **UNPLUG POWER CORD.**

Pull the Float Assembly out of the pail. Using a cable tie, attach the Float Assembly to the underside of Drum Lid. **Do not allow Float Assembly to stay in liquid during winter months. Freezing may damage it.**

### **PLUG POWER CORD IN & FLIP TOGGLE SWITCH TO OFF DURING WINTER**

Leaving unit unplugged for a long period will deplete back-up battery. Battery is not replaceable; however, NO damage will be done to the timer.

# **MISTAWAY SYSTEM DE-WINTERIZING**

## **UNPLUG POWER CORD.**

Open and remove the Lid Ring (3). Carefully remove Drum Lid (4) making sure it does not fall inside the Drum. If liquid was left in the drum over the winter months, stir or agitate the liquid to ensure proper emulsion. Untie Float Switch Assembly (9) and allow it to hang freely inside drum, making sure Suction Line (9A) and Float Switch (9B) are still fastened together and untangled. Refill Drum according to directions in the “Filling and Refilling System” section above. Plug Power Cord in to outlet. Check to make sure Timer (7A) is set to correct time. Check tabs on Timer Dial (7A) located inside Enclosure Box to make sure they are set for desired times. Check Duration Knob (7B) to make sure sprays are set for desired duration.

Flip the Pump Switch (7C) to the ““HAND”” position. Run the MistAway System until all the environmentally safe Windshield Washer Fluid is purged from the system. Flip the Pump Switch back to the “AUTO” position and enjoy your mosquito free yard.

## **OPTIONS**

### **Remote Control (10)**

Transmitter can be used up to 300’ from drum. Remote Control will not operate the system 1 minute prior or 14 minutes after a scheduled spray cycle.

### **Rain Sensor (11)**

Place Rain Sensor transmitter as close to drum as possible making sure it is in an open area free of overhanging obstacles. Place in an area that is accessible to both rain and direct sunlight. Do not place Rain Sensor Transmitter more than 300 feet from Drum. Two examples of Rain Sensor Transmitter placement include fence and gutter. Be sure to secure Rain Sensor tightly and in an upright position.

Rain Sensor Receiver is equipped with a low battery light. The light is located inside the Enclose Box, under the timer panel. When it illuminates, the battery must be replaced in the Rains Sensor Transmitter. Use two 3V batteries for replacement.

### **Wind Sensor (12) and Wind/Rain Sensor (13)**

Each Sensor comes with 50 feet of hard-wired power cord. Place Wind Sensor or Wind/Rain Sensor in an area that is accessible to wind and/or rain. Either Sensor can be mounted using included bracket or on a 2” PVC pipe to achieve desired height.

## **MOSQUITO MISTAWAY SYSTEM WARRANTY & LIMITATION OF REMEDY AND LIABILITY**

The manufacturer warrants the Control Panel, Motor and Pump to be free from manufacturing defects for a period of 2 years from the date of installation. Nozzles have a manufacturer's limited 1-year warranty.

This warranty applies solely to equipment manufactured by Town & Country Mosquito Systems and is in lieu of all other warranties, expressed or implied. No person, agent, dealer, or distributor is authorized or empowered to give any other warranty or to assume any other liability on behalf of the manufacturer.

Phytotoxicity (plant burn) may occasionally occur with sensitive plants as well as possible discoloration on some types of siding. Manufacturer is not responsible for any plant damage or chemical reaction with siding.

This warranty is limited to the original purchaser of the equipment.

Manufacturer reserves the right to inspect the equipment prior to any decision involving warranty claim.

Manufacturer may repair the item, provide a serviceable replacement unit, or refund the purchase price at its sole option. In no case shall manufacturer grant a remedy that either exceeds the purchase price of the product or the cost to the manufacturer of the component or part. These are the only remedies available to the Buyer under this warranty.

Manufacturer also reserves the right to make warranted repairs or replacements either at the site or at the manufacturer's factory. If repair at manufacturer's factory is the decision, the Buyer is responsible for shipping the item to the factory at its expense.

All claims for failure to conform to specifications or defect in material or workmanship under this warranty must be made promptly after discovery and, in any event, must be received by manufacturer not more than 2 years after delivery of the item. Defective items must be held for inspection by manufacturer or its authorized distributor and, if requested, returned to manufacturer, transportation prepaid by the Buyer.

The Buyer is responsible for performing regular maintenance services as specified in the operator's manual applicable to the equipment. Failure to do so shall void this warranty. Furthermore, if servicing of the Mosquito MistAway System™ is not maintained by an authorized Mosquito MistAway Dealer and any problems arise do to the customer utilizing an insecticide not expressly recommended for the Mosquito MistAway System™ or using a company other than an authorized dealer to service the unit, the warranty will be voided.

Manufacturer's obligation under the warranty shall not apply to:

- Any equipment, which has been damaged by negligence, misuse, abuse, neglect and/or improper adjustment, accident, vandalism, acts of God, acts of war, whether declared or undeclared, improper application, modification with parts not manufactured or approved by manufacturer, or any other contingency beyond the control of manufacturer.
- Damage in transit
- Any equipment that has been repaired or altered without authorization from manufacturer or in a manner inconsistent with such authorization.
- Any equipment that has not been maintained in accordance with the operator's manual.
- Normal wear on any item or piece of equipment.

- Lost items.
- Loss of operating time to Buyer while the equipment is out of operation.

Equipment items or components not manufactured by Town & Country Mosquito Systems are only warranted insofar as warranted by the manufacturer of such parts.

Manufacturer reserves the right to make design changes without incurring any obligation to make such changes to previously manufactured equipment.

The foregoing is the Seller's only obligation and Buyer's exclusive remedy for breach of warranty. Buyer's failure to submit a claim as provided above shall specifically waive all claims for damages or other relief, including but not limited to claims based on latent defects. In no other event shall Buyer be entitled to special, direct, indirect, incidental, exemplary or consequential damages, expenses, injury, lost profits, lost savings, business interruption, loss of business information, or any other pecuniary loss arising out of the use of or inability to use the equipment. In any case, manufacturer's entire liability shall be limited to the amount Buyer actually paid for the item.

Except as modified in writing signed by both parties, this warranty is and shall remain the complete and exclusive agreement between the parties with respect to warranties, superseding all prior agreements, oral or written, and all other communications between the parties relating to the subject matter of this agreement.

**Cut at line and send in bottom section,  
or log on to [www.mistaway.com](http://www.mistaway.com) and register on line**

<b>WARRANTY CARD</b>	
I have read and agree with the above warranty information. By sending back my warranty card I am activating my warranty. I will also receive a coupon for \$10.00 off my next chemical refill, to be redeemed by my Mosquito Mist Away™ Dealer.	
Signature _____	Date _____
Name _____	
Address _____	
City _____	TX _____ ZIP _____
Phone # _____	E-mail _____
Name of Installation Company _____	
<b>Serial Number (located inside Enclosure Box)</b> _____	
<b>Mail to: MistAway Systems / 2121 Brittmoore #5200 / Houston, TX 77043 Or Register On Line at <a href="http://www.mistaway.com">www.mistaway.com</a></b>	