

TRUSTED SINCE 1926
BONIDE®

PROPANE INSECT FOGGER

*Instruction
Manual*



BONIDE PRODUCTS
6301 Sutliff Road
Oriskany, New York 13424
(800) 536-8231
www.bonide.com
www.bonideproducts.com

LETS GET STARTED!

Get familiar with the product and its uses (See diagram).

1. Insecticide Vessel - This container holds your liquid Bonide Insecticide. Use only products designed for thermal fogging.
2. Handle/Body of the Fogger - This takes the Bonide Insecticide from the Insecticide Vessel delivering it to the heater coil. Attached to the rear is a propane fuel channel for a bottle of propane gas (not included). This gives the Fogger the ability to fog insecticide. Located on the Handle/Body of the Fogger are the following:
3. Black Propane Fuel Valve - This is located on the side of the Handle. The propane fuel valve turns on the propane to begin the fogging process. Always make sure that the propane fuel valve is turned clockwise to a stop when storing the Fogger.
4. Handle - Underneath the Handle is a Trigger. This feature controls when the fog is released from the Fogger. By pumping this Trigger, the insecticide is turned into fog.
5. Trigger Lock - This button is located on the top front of the Fogger Handle. When the button is pushed in to the right, the trigger is locked. You will be unable to pull on the trigger. Always lock the Trigger when the Fogger is not being used and during igniting.
6. Ignitor - Below the Trigger Lock is the Ignitor. By pushing in the Ignitor, a spark lights the heater coil to create the heat. To test the Ignitor, go into a dark room and push in the Ignitor button, without the propane gas cylinder attached. You should see a spark just below the heater coil. If you do not see a spark the heater coil will need to be ignited with a lighter or match.
7. Coil - The coil is protected by a wire basket on the end of the Handle opposite the propane tank. This is the area in which the fog is released. **BE CAREFUL**, this area will be **HOT**. **KEEP AWAY FROM YOUR BODY**.



PREPARATION

1. Lock Trigger Button - Push the button at the front of the Fogger to lock the trigger.
2. Insecticide Vessel - Fill the plastic insecticide vessel with insecticide. Be sure that you do NOT overfill. Screw on the vessel until secure to ensure safety while using the Fogger. Be careful not to OVERTIGHTEN!! Damage may occur. Using any product other than specified chemicals formulated for thermal foggers could clog the vapor coil and result in an unsafe condition and will void the warranty.
3. Locating the Propane Fuel Valve - The propane fuel valve is located on the right side of the Fogger adjacent to the propane fuel channel. Make sure that the propane fuel valve is closed.
4. Inserting the Propane Gas Cylinder- Locate the channel in the back of the Fogger. Inspect the cylinder and fogger to make sure that both are clean and have or are free of debris. Lightly push the container into the channel and turn clockwise until the cylinder is in place. Hand tighten.

OPERATING THE FOGGER

1. Verify that the trigger is locked in place by pulling the trigger. The trigger should not move.
2. Always make sure that the Fogger is placed on a level surface to ignite and preheat.
3. Open propane fuel valve no more than a 1/4 turn counter clockwise.
4. Push in the ignitor button to initiate a spark. The heater coil will ignite.
5. If the ignitor does not spark, close fuel valve. Wait 1 minute and repeat lighting procedure. Be sure to move over a few feet to avoid the fumes in the immediate area.
6. If the ignitor does NOT light the heater coil, close fuel valve and wait one minute. Using a lighter or a match, place flame in ignitor hole then turn the propane fuel valve slowly until the coil ignites.
7. Once lit, pre-heat the Fogger for 1 to 2 minutes. Failure to do so may result in damage of the Fogger.
8. The Fogger is ready to operate. Release the trigger lock. **DO NOT TOUCH THE HEATER COIL OR HEATER COIL WIRE BASKET. IT WILL BE HOT! KEEP OUT OF THE REACH OF CHILDREN.**
9. To release the insecticide, pump the trigger handle every 3 to 4 seconds. If a flame appears, STOP PUMPING IMMEDIATELY. Excess insecticide is present causing the flame to appear. Turn off the propane fuel valve and place the Fogger on a non-flammable surface. Allow Fogger to sit undisturbed for 10 minutes and return to Step 1 of Operating the Fogger.

10. Use the Fogger about 5 feet away from the target area with the wind at your back. This will avoid having the fog blow back towards you and not on the desired location.

OTHER USAGE TIPS

ALWAYS operate the Fogger with the coil wire basket level with the ground. DO NOT tip upside down or on its side.

NEVER use directly on plants or outdoor shrubs. Use the Fogger in the direction of the areas intended to use.

NEVER use the Fogger in extreme temperatures or harsh winds.

The best time to use the Fogger is at dusk when the wind and temperatures will allow the insecticide fog to settle on the intended area and be most effective.

The Fogger can be used as a wet or dry Fogger. The rate of pumping controls the wetness or dryness of the fog. We recommend that you pump the Fogger every 3 to 4 seconds to achieve maximum effect. A dry fog is always recommended.

The fog should be white in color. If it appears brown or yellow, you are pumping the Fogger too slowly and the fog will be too dry. However, if you are pumping too quickly, the end of the fogger will be wet.

TURNING THE FOGGER OFF

1. Lock the trigger by pushing the trigger lock to the right side.
2. The insecticide may continue to fog for a few minutes.
3. Once the fog is stopped, turn off the propane fuel valve. It may take several additional minutes for the Fogger to cool down.

STORAGE

Proper Storage for the Fogger

Always store the Fogger in a cool place that is well ventilated. Keep out of the reach of children.

1. Remove the propane gas cylinder.
2. Never store the fogger with insecticide in the insecticide vessel or damage to the unit WILL occur.

SAFETY PRECAUTIONS

1. Important read entire instruction booklet before operating. AVOID breathing insecticide fog or vapors.
2. ALWAYS pre-heat your fogger for one to two minutes, while keeping the fogger level with the ground. Failure to pre-heat the heater coil may cause an

uncontrolled flame. Failure to pre-heat the heater coil may also clog the heater coil, damaging your fogger.

3. Only use Insecticide designed for thermal fogging.
4. ALWAYS operate your fogger with the heater coil level to the ground. Pointing the fogger down may allow liquid propane to plug the torch, cause flame-up, or uncontrolled burn.
5. DO NOT OVER TIGHTEN THE PROPANE FUEL VALVE. Your fogger will continue to burn, for a short while, (1-2 minutes) after the valve is turned off. Over tightening will cause serious damage to your fogger.
6. We recommend the use of the 14.1 oz., tall style propane cylinder (3" diameter X 10.5" long). **Bonide does not recommend the use of the shorter, 16 oz. lantern cylinders. Lantern cylinders may cause flare-ups or uncontrolled burn, particularly when the cylinder is full.**
7. Always inspect the threaded outlet of the propane fuel cylinder and remove any dirt that may be there.
8. Operate the Fogger only in well-ventilated areas. Always keep the Fogger away from flammable materials. Do not smoke while filling and operating unit. Do not fog near uncovered foodstuffs, cooking and eating utensils or open fires. Contamination, fire or explosion could occur.
9. Do not operate the Fogger in areas when people and pets are present. Keep the Fogger, cylinder and insecticide out of reach of children.
10. Improper attachment of propane gas cylinder to fogger may result in a gas leak. Care must be taken not to cross thread the cylinder into the valve.
11. Keep face, hands and clothing away from coil wire basket at all times. Coil wire basket becomes very hot while in operation.
12. The trigger lock should be engaged at all times except when fogging (push button to right). This will prevent accidental pumping of insecticide into coil. An accumulation of insecticide in the coil may cause liquid discharge when lighting the unit. Such a concentrated discharge may ignite, or stain clothing, outdoor carpeting, etc., and may be harmful to grass and foliage.
13. NEVER leave Fogger unattended when the burner is lit.
14. Do not overfill insecticide vessel. Turn off propane valve and allow unit to cool before refilling.
15. ALWAYS follow insecticide label instructions.
16. Propane gas cylinders are high pressure. DO NOT handle cylinders roughly. Follow instructions on cylinder label.
17. NEVER store propane gas cylinders indoors or attached to the Fogger. Always store cylinders in a cool, well ventilated space.

18. DO NOT incinerate cylinders or insecticide vessel. Propane cylinder vessels should be disposed of properly when empty.

Trouble Shooting Guide

Symptom	Probable Cause	Corrective Action
No fog - Burner works	<ol style="list-style-type: none"> 1) Spray tip and/or end of heater coil obstructed or clogged 2) Pump plugged 3) Piston cup worn 4) Improper fogging material 	<ol style="list-style-type: none"> 1) Remove Spray tip and check for blockage. Clean spray tip to remove blockage. With spray tip removed, use a pipe cleaner to clear out carbon build-up that may be inside the burner coil. Replace spray tip and tighten securely. 2) Remove Insecticide Vessel. With fogger on its side, carefully remove Plastic Pump Assembly Cover (be aware of spring & bearing inside cover) from fogger. Insert a small wire into hole in bottom of Pump Assembly (clearing any blockage). Carefully replace Plastic Pump Assembly cover with spring & bearing inside. 3) See parts & service on next page 4) Use only insecticide for thermal fogging
No fog-burner not working	<ol style="list-style-type: none"> 1) Propane cylinder empty 2) Propane tank attached improperly 3) Burner assembly fails to light or will not stay lit 	<ol style="list-style-type: none"> 1) Replace propane cylinder 2) Check to see if propane cylinder is properly attached 3) Check igniter. Test lighting unit using a match.
Dripping	<ol style="list-style-type: none"> 1) Spray tip loose 2) Excessive insecticide output 3) Not at operating temperature 	<ol style="list-style-type: none"> 1) Tighten spray tip securely 2) Decrease your pumping rate. 3) Wait 60 seconds before pumping
Poor fog quality	<ol style="list-style-type: none"> 1) Improper fogging material 2) If fog is thin or yellowish pumping rate is too low 3) If fog is wet and dripping. 	<ol style="list-style-type: none"> 1) Use only Bonide insecticide 2) Increase your pumping rate. 3) Decrease your pumping rate
Flare up or un-controlled burning	<ol style="list-style-type: none"> 1) Fogger pointed toward the ground 2) Insecticide ignited 	<ol style="list-style-type: none"> 1) Always operate your fogger level with ground. New propane bottles may be more likely to flare. 2) Stop pumping immediately. Turn propane valve off. Flame will stop after excess insecticide is eliminated
Piezo ignitor will not spark	Ignitor broken or worn out	Replace ignitor

SPARE PARTS AND FACTORY SERVICE

If problems persist or you need the common replacement parts listed below please contact us for more information and service. **NOTE:** Do not ship unit to factory without prior approval.

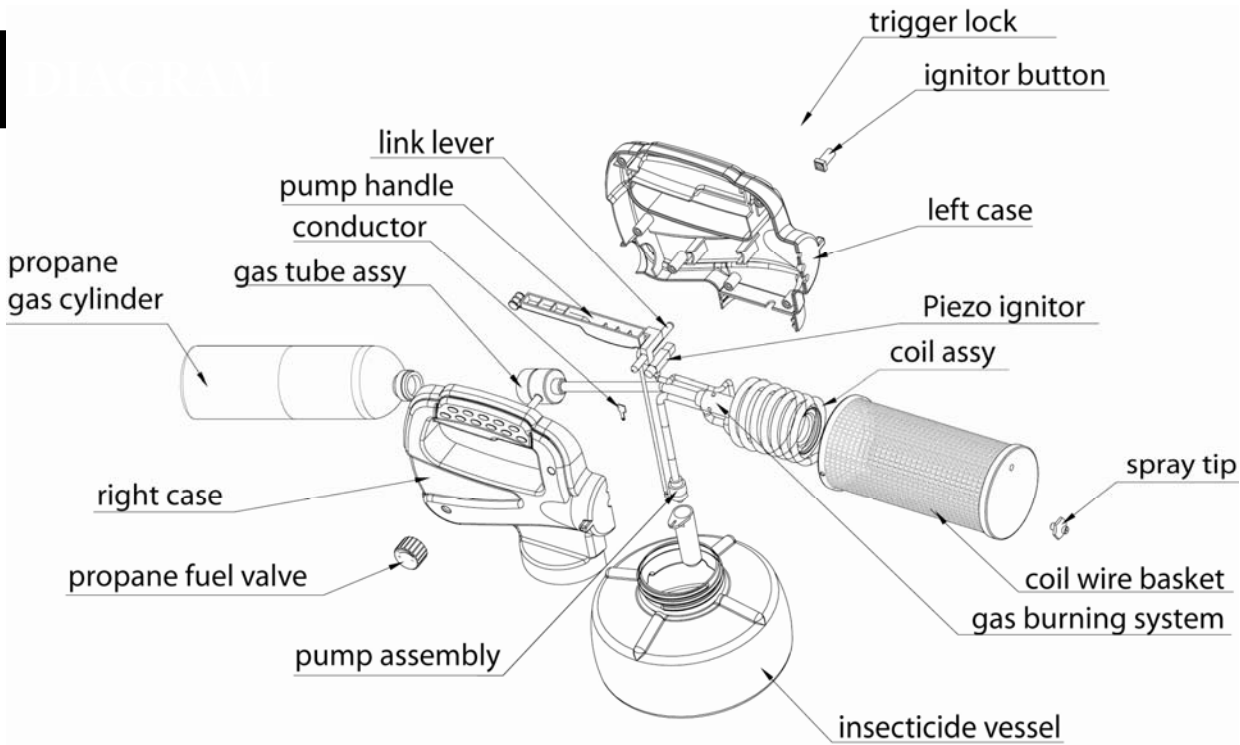
CONTACT INFORMATION:

Bonide Fogger Service Department
 6301 Sutliff Road
 Oriskany, NY 13424
 PH: 315-736-8231 ext. 228
 FX: 315-736-7582

COMMON REPLACEMENT PARTS

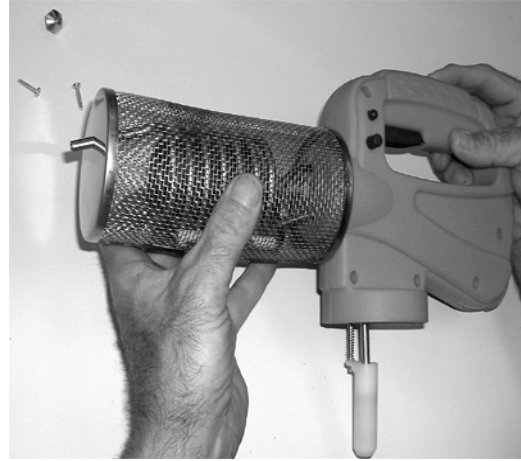
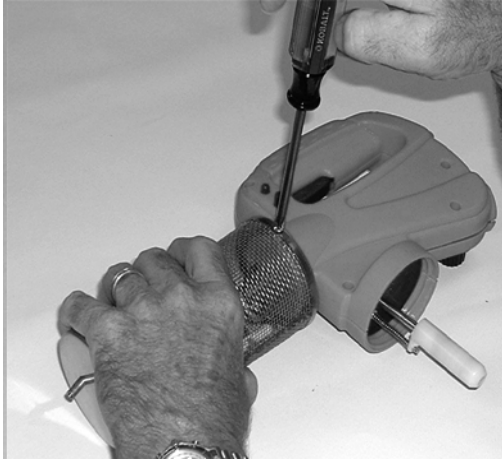
ITEM#	DESCRIPTION	*COST
5545	Coil Assembly	\$6.00
5546	Coil Wire Basket	\$8.00
5547	Insecticide Vessel	\$4.00
5548	Pump Assembly	\$3.50
5549	Piezo Ignitor	\$8.00

*plus \$4.00 shipping and handling



Instructions for replacing the Piezo Ignitor

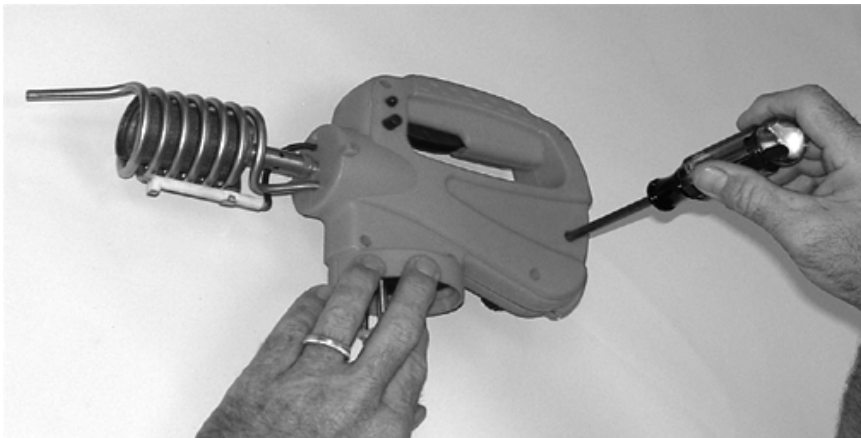
1. Remove retainer screws (2) from each side of heat shield, then remove spray nozzle from heater coil.



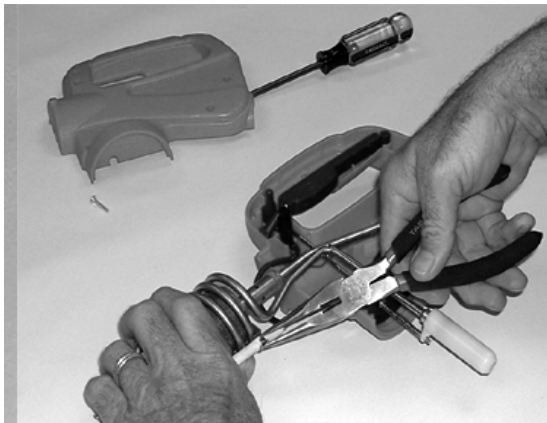
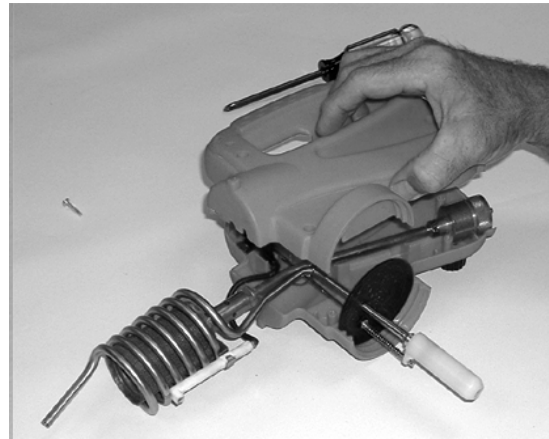
2. Remove Coil wire basket. Some gentle tapping may be required on the end of the fluid distribution tube.



3. With fogger lying on its side, remove assembly screws.



4. Remove upper half of housing to reveal inside of fogger.



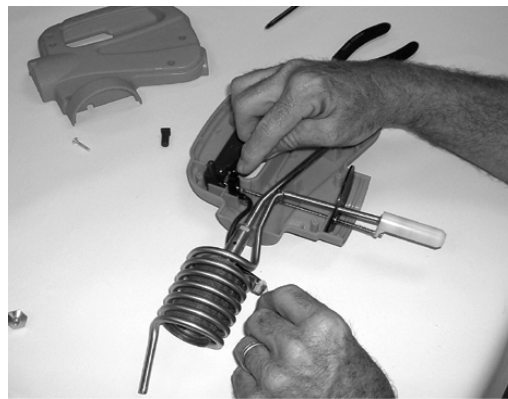
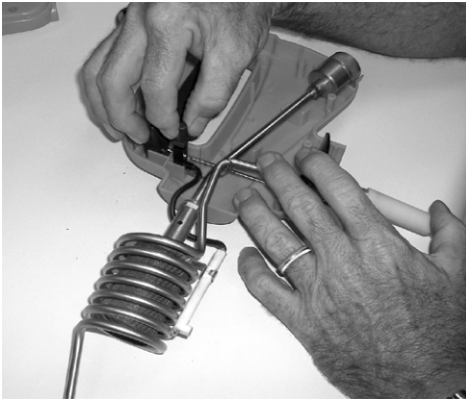
5. Using needle nose pliers, open ignitor crimp while holding structure firmly in place.

6. Lift out old ignitor and replace with new ignitor. Ignitor tip should be within 1/8 inch of coils. Retighten crimp while holding ignitor firmly in place.

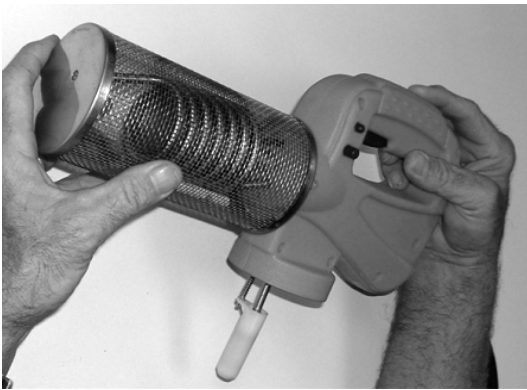


7. NOTE: Be sure pump rod is attached to pump handle.

8. Replace blue ignitor button cap on ignitor.



NOTE: brass round points downward; black square points upward.

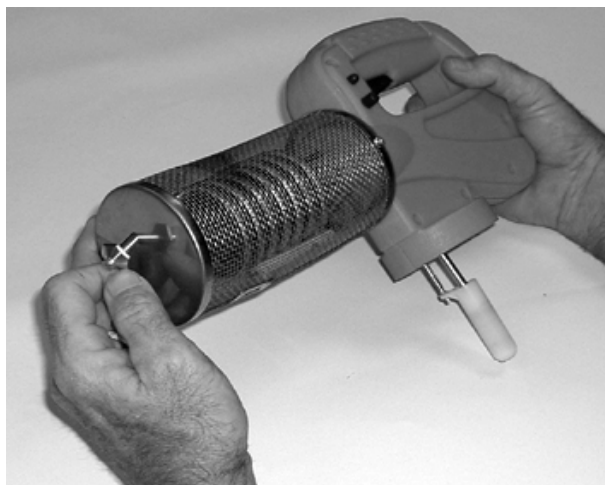


9. Place upper housing over assembly unit until halves line up and ignitor works. Replace 6 screws.

10. Replace coil wire basket.

11. Reinstall nozzle.

12. Test ignitor in a dark area to verify spark.



WARRANTY INFORMATION

We warrant that this product is fit for use as directed in this manual and free from defects in materials and workmanship for a period of 90 days from date of purchase. Bonide will repair or replace defective materials upon our examination/inspection of a suspected unit. Repair or replacement will be at the discretion of Bonide Products, Inc. If you feel you have a warranty claim, please contact Bonide (See page 8 of this Instruction Manual) to determine a course of remedy.

This warranty service is an exclusive remedy and we are not responsible for any consequential or incidental damages or injury to persons or property. Warranty shall not apply to any product that has been subject to misuse, negligence or accident, or been damaged in shipment or mishap or which has been modified or repaired by unauthorized persons or been used in a manner inconsistent with manufacturer directions. This warranty only applies to products owned by persons purchasing directly from Bonide or from our approved distributors and retailers. The right is reserved to incorporate subsequent design and parts changes after publication and without reissue of descriptive literature or catalogs.

We make no other express warranty. Implied warranties including fitness and merchantability are limited to 90 days from date of consumer purchase. The buyer must assume all responsibility for use of this product when not used in strict accordance with directions or established safe practice, or when used under abnormal conditions. Manufacturer's liability is limited to product replacement or repair.

NOTE: Limitation on duration of implied warranty and/or consequential damages may not apply to you if your State does not permit them. This warranty gives you specific legal rights in addition to rights which you may have under state law.

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*Bonide
Mosquito Beater Insect Fog
is available in
Quart, 1/2 Gallon,
and Gallon.*

Look for other fine Bonide Mosquito Control products:

Mosquito Beater® WSP

- Kills Mosquitoes before they can bite
- For control of Mosquito larvae in standing water
- New, Faster acting method of delivering BT to control mosquito larvae
- Pouch design makes it easy to thro into ponds or large area of standing water
- Use in water gardens, bird baths, tree holes, unused swimming pools and any other location around the home where water can collect and remain for extended periods
- Will not harm fish, amphibians or other aquatic animals



Mosquito Beater Granules

- Just sprinkle on the ground almost anywhere
- Covers up to 4, 000 sq. ft.
- Repels Mosquitoes from treated area for days
- People and pet safe

Mosquito Beater Liquid Ready to Spray

- Attach to garden hose and spray
- Covers up to 5, 000 sq. ft.
- Spray lawns, trees, shrubs where Mosquitoes live
- Kills mosquitoes on contact. Has some residual too!
- Water-based, odor free
- People and pet safe



AVAILABLE AT QUALITY RETAILERS THROUGHOUT THE U.S.A.