



# FOG® PROPANE INSECT FOGGER

## *Instruction Manual*

**IMPORTANT:** Read this manual all the way through before trying to use fogger for the first time. If you do not understand something, please call the number below.



Hudson Model 62691

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**1-800-9-SPRAYER (1-800-977-7293)**

*Consumer Care Line – 24 hours a day, 7 days a week!*

**[www.hdhudson.com](http://www.hdhudson.com)**

## LETS GET STARTED!

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

1. Insecticide Vessel — This container holds your liquid Fog™ Insecticide. Use only products designed for thermal fogging.
2. Handle/Body of the Fogger — This takes the Fog 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 (sold separately). 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. **WARNING**, this area will be **HOT**. **KEEP AWAY FROM YOUR BODY AND FLAMMABLES**.



## 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. 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 any 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 free of debris. Lightly push the **cylinder** into the channel and turn clockwise until the cylinder is in place. Hand tighten.

## OPERATING YOUR 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. **WARNING! 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

1. **ALWAYS** store the Fogger in a cool place that is well ventilated. Keep out of the reach of children and pets.
2. **ALWAYS** remove the propane gas cylinder from the fogger.
3. **NEVER** store the fogger with insecticide in the insecticide vessel or damage to the unit WILL occur.

## **WARNING! READ THESE SAFETY PRECAUTIONS BEFORE USING**

1. **CAUTION:** Read entire instruction booklet before operating.
2. **AVOID** breathing insecticide fog or vapors.
3. **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.
4. Only use Insecticide designed for thermal fogging.
5. **ALWAYS** operate your fogger with the heater coil **level to the ground**. Pointing the fogger down may allow liquid propane to plug the **burner**, cause flame-up, or uncontrolled burn.
6. **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.
7. We recommend the use of the 14.1 oz., tall style propane cylinder (3" diameter X 10.5" long). The use of the shorter, 16 oz. lantern cylinders may cause **flame-up** or uncontrolled burn.
8. **ALWAYS** inspect the threaded outlet of the propane fuel cylinder and remove any dirt that may be there.
9. **WARNING!** 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.
10. **DO NOT** operate the Fogger in areas when people and pets are present. Keep the Fogger, cylinder and insecticide out of reach of children.
11. 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.
12. **WARNING!** Keep face, hands and clothing away from coil wire basket at all times. The coil wire basket becomes very hot while in operation. You could suffer serious burns if you touch it. Always keep children and pets away.
13. **WARNING!** The trigger lock should be engaged at all times except 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.
14. **NEVER** leave Fogger unattended when the burner is lit. Keep children and pets away.
15. Do not overfill insecticide vessel. **Turn off propane valve and allow unit to cool before refilling.**

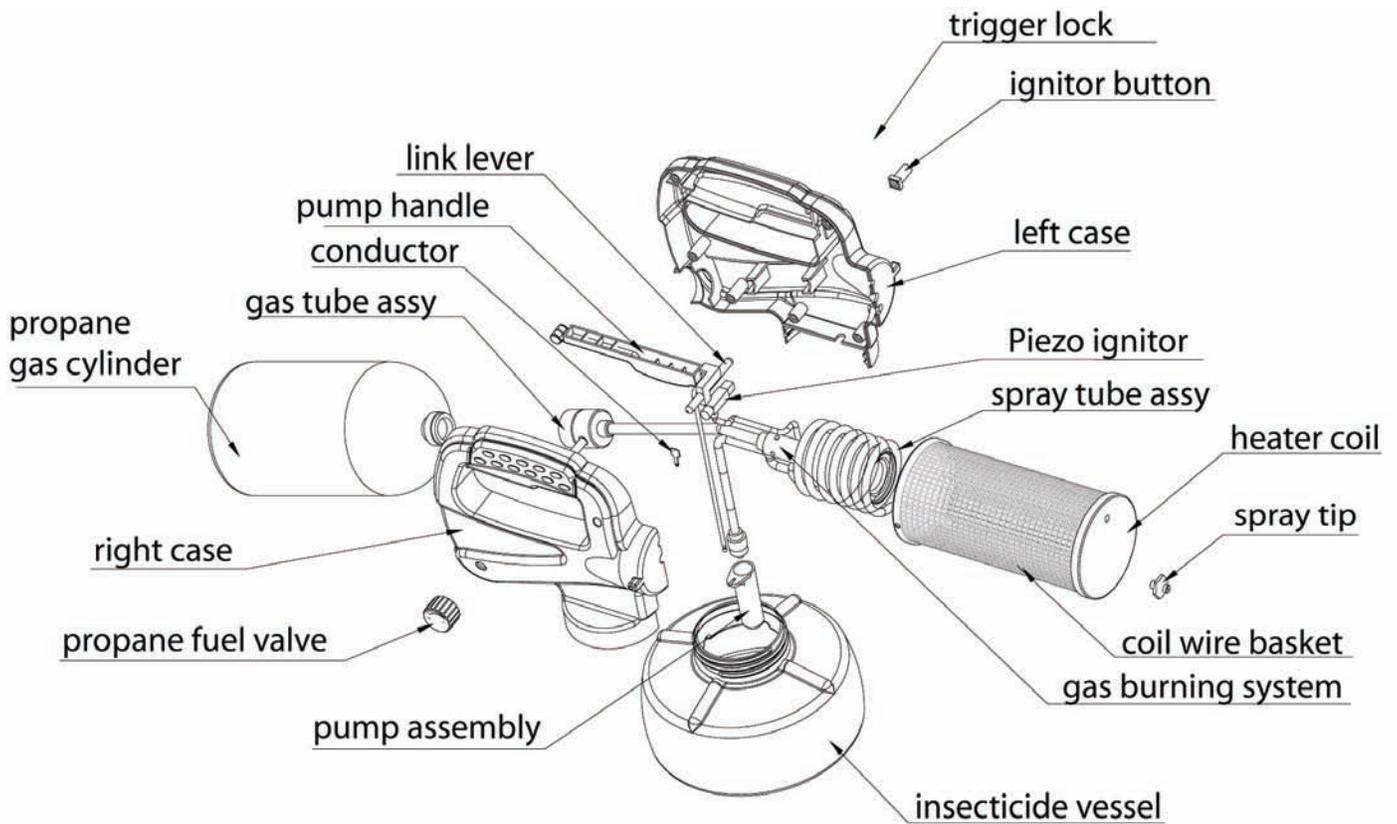
16. **ALWAYS** understand and follow the insecticide label instructions.
17. Propane gas cylinders are high pressure. DO NOT handle cylinders roughly. Follow instructions on cylinder label for use and storage.
18. **NEVER** store propane gas cylinders indoors or attached to the Fogger. Always store cylinders in a cool, well ventilated space.
19. **CAUTION!** DO NOT incinerate cylinders or insecticide vessel. Propane cylinder vessels should be disposed of properly when empty.

## TROUBLE SHOOTING GUIDE — WARNING! Let unit cool before servicing!

Symptom	Probable Cause	Corrective Action
No fog — Burner works.	1) Spray tip and/or end of heater coil obstructed or clogged.  2) Pump plugged.  3) Piston cup worn. 4) Improper fogging material.	1) <b>LET UNIT COOL!</b> 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.	1) Propane cylinder empty.  2) Propane tank attached improperly. 3) Burner assembly fails to light or will not stay lit.	1) Replace propane cylinder.  2) Check to see if propane cylinder is properly attached. 3) Check igniter. Test lighting unit using a match.
Dripping.	1) Spray tip loose 2) Excessive insecticide output. 3) Not at operating temperature.	1) Tighten spray tip securely 2) Decrease your pumping rate.  3) Wait 60 seconds before pumping.
Poor fog quality.	1) Improper fogging material. 2) If fog is thin or yellowish pumping rate is too low. 3) If fog is wet and dripping.	1) Use only Bonide insecticide. 2) Increase your pumping rate. 3) Decrease your pumping rate.

Flare up or uncontrolled burning.	1) Fogger pointed toward the ground. 2) Insecticide ignited	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.

## DIAGRAM



## SPARE PARTS AND FACTORY SERVICE

If problems persist or you need the common replacement parts listed below, please phone us for more information or service. **NOTE:** Do not ship unit to factory without our prior approval and authorization number. Unauthorized shipments will not be opened or acknowledged.

## COMMON REPLACEMENT PARTS

PART#	DESCRIPTION	COST*
5546	Coil Wire Basket	Call for current.
5547	Insecticide Vessel	Call for current.
5548	Pump Assembly	Call for current.
5549	Piezo Ignitor	Call for current.

*\*plus \$5.00 shipping and handling.*

## CONTACT INFORMATION

1-800-9-SPRAYER (1-800-977-7293)

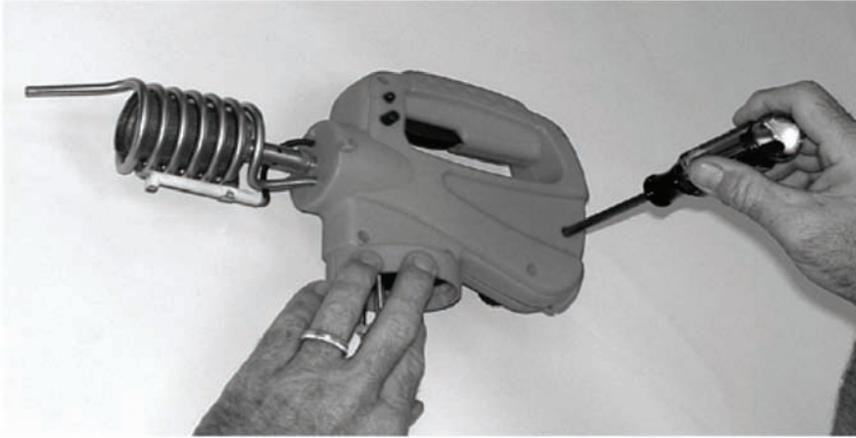
## Instructions for replacing the Piezo Ignitor

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

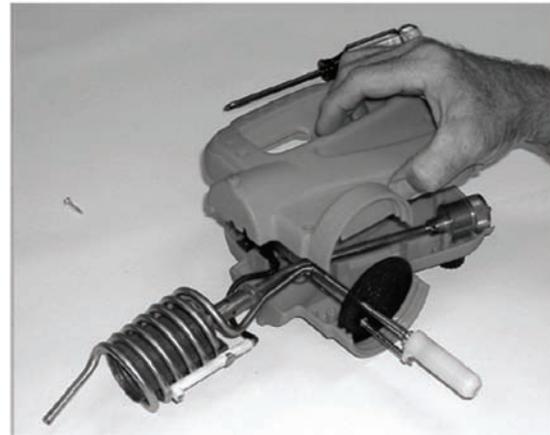


2. Remove Coil wire basket. Some gentle tapping may be required on the end of the fluid distribution tube.
3. With fogger lying on its side, remove assembly screws.





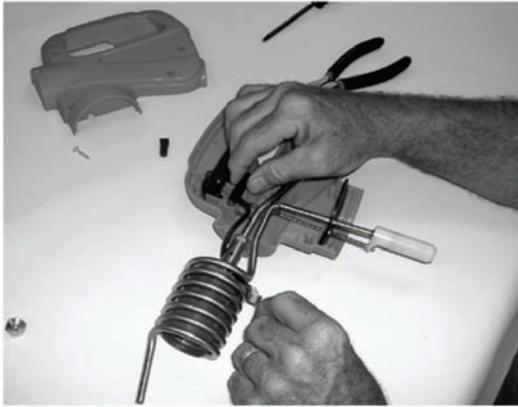
4. Remove upper half of housing to reveal inside of fogger.



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

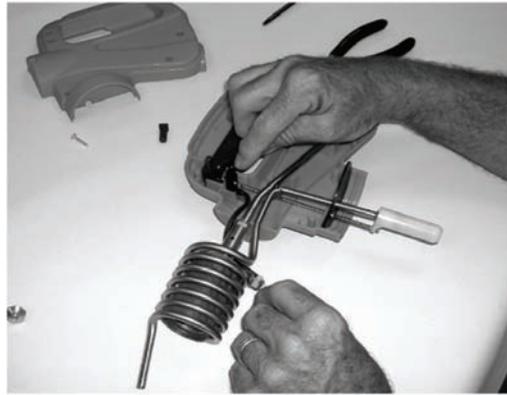
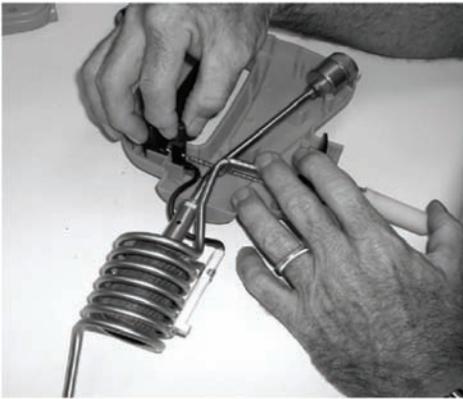
6. Lift out old ignitor and replace with new ignitor. Ignitor tip should be within 1/8 inch of coils. Retighten crimp while holding ignitor firmly in place.



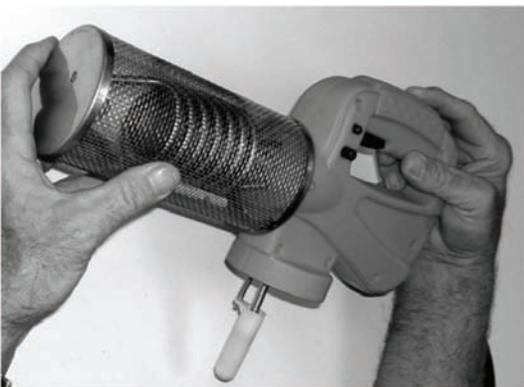


7. NOTE: Be sure pump rod is attached to pump handle.

8. Replace blue ignitor button cap on ignitor.

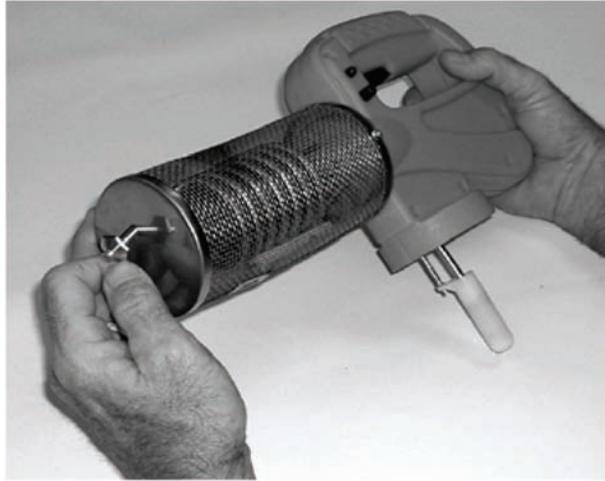


NOTE: brass round points downward; black square points upward.



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 consumer (homeowner) use as directed in this manual and free from operating problems for a period of 90 days from date of purchase. Hudson will repair or replace suspect materials upon our examination/inspection of a suspected unit. Repair or replacement will be at the discretion of Hudson. If you feel you have a warranty claim, please contact Hudson at 1-800-9-SPRAYER. The line is open 24 hours daily. (See page 8 of this Instruction Manual) to determine a course of remedy.

**No warranty whatsoever shall apply if this fogger is purchased or used for professional or commercial application.**

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 Hudson 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, or filled with an unsuitable liquid.. 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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*For best results, use  
Hudson Fog™ Mosquito  
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Economical  
1/2-Gallon Size.*

Ask for Hudson Item 62692FG.

**For very large yards or for professional application,  
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Hudson Fog® electric atomizer sprayers can apply a wide variety of chemicals including wettable powders. They emit an Ultra Low Volume of penetrating mist with adjustable and precise control of output.

An Ultra Low Volume mist hangs in the area and covers a wide area economically. Ideal for mosquito control, eliminating smoke odors, protecting against plant disease, etc. When used indoors, mist penetrates cracks and crevices for more effective pest control.

Model 99598 has hose and strap. Use outdoors.  
Model 99598 is ideal for indoor use.

**AVAILABLE AT QUALITY RETAILERS**

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