



# RH5000

[User Manual]

Please refer to your Parts Inventory Sheet when installing your Calf Warmer

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## INTRODUCTION

Congratulations on your purchase of a Roy-L-Heat Animal Warmer. This product was specifically designed to help you save hypothermic calves. Please read the assembly directions, operation manual, safety recommendations, and policy information before using your animal warmer.

**The Roy-L-Heat Animal Warmer is warranted for two full years from the date of purchase. Defective parts returned within two years will be rebuilt or replaced at no charge to the customer. The buyer must secure permission from the factory to return the defective parts prior to their return.**

**Smucker Manufacturing Inc. does not guaranty the survival of animals. Maximum liability is in no case to exceed the value of the Smucker unit involved.**

You can visit our website @ [smuckermfg.net](http://smuckermfg.net) to learn more about your Roy-L-Heat calf warmer. If you have additional questions, do not hesitate to call 1-541-995-8000

Ask your local dealer about the other product lines that we offer. (Foam Markers, VisionWorks Cameras, Weed Wipers)

[www.smucker.net](http://www.smucker.net)

[www.redweeder.com](http://www.redweeder.com)

[www.visionworkscameras.com](http://www.visionworkscameras.com)

Scan QR codes below with your smart phone

Mobile website for VisionWorks Cameras

Smucker Mobile website

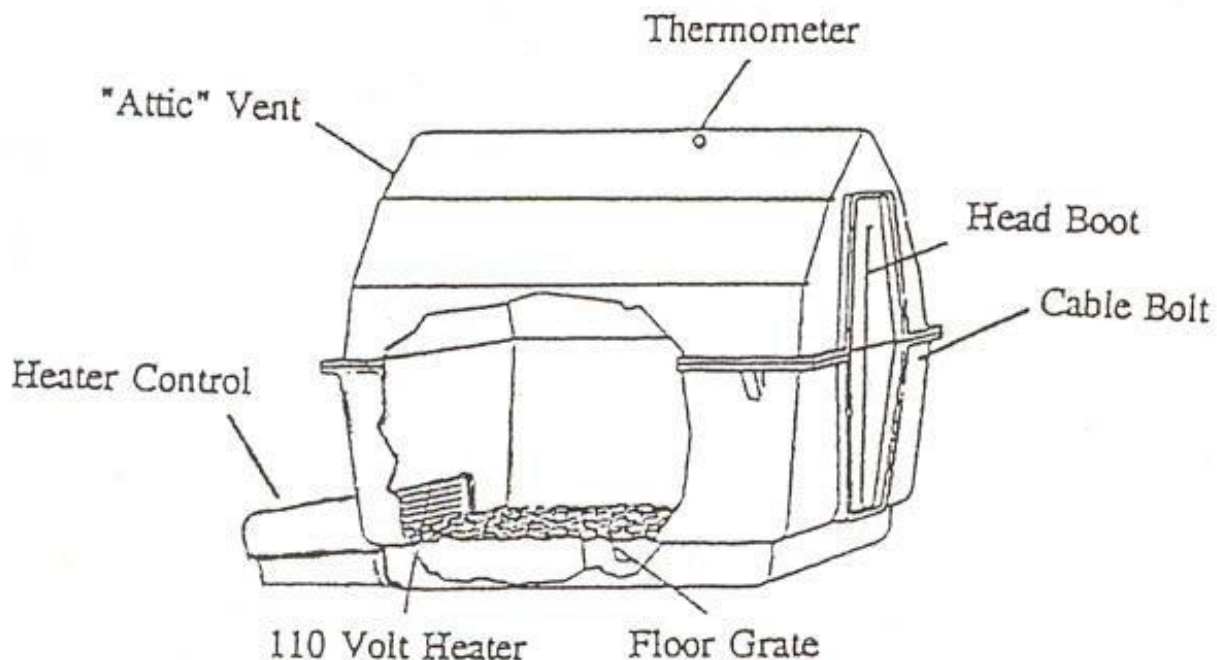


**IMPORTANT:**

**YOUR ROY-L-HEAT ANIMAL WARMER COMES WITH A 2 YEAR MANUFACTURES WARRANTY. PLEASE SAVE YOUR RECEIPT FOR PROOF OF PURCHASE. CONTACT THE DEALER THAT YOU PURCHASES YOUR WARMER FORM WITH ANY WARRANTY ISSUES.**

# Installation Instructions

Please refer to your Parts Inventory Sheet when installing your Animal Warmer.



## Step #1 Remove content

Cut the straps on your box and remove the floor grate (RH0020) & parts box (RHSPBX). Be sure to separate both halves of the Calf Box Assembly (RH0023), and remove the content from the parts box (RHSPBX).

## Step #2 Fasten together your calf box

Place the top and bottom of the box side by side in order to fasten the hinge. Make sure both halves of the head boot are at the same end. Slide the free half of the hinge under the lip of the top half of the box, and align the holes. Now take five #10 -32 x 3/4" Screws (NB0037) and #10 washers (NB0010) and insert the screws through from the plastic side of the hinge/box connection. Fasten with your #10-32 Nyloc Nuts (NB0038).

### Step #3 Attach heater box to calf warmer

Attach the plastic heater box assembly (RH0058) to the calf warmer box using the 1/4" x 3/4" bolts provided (NB2507).

### Step #4 Attach cable to bottom half of calf box

Attach the cable to the top of the head boot bracket on the bottom half of the box using one 1/4" x 1" bolt (NB2501) and one 1/4" nyloc nut (NB25NY). Lift the top half up to position the cable for bolting. The bolt should go through the cable, and through the 1/4" hole on the top left hand side of the head boot bracket.



### Step #5 Attach your thermometer

Slide the thermometer (RH0009) through the hole at the top right of the lid (hinge side)

## Step #6 Finishing assembly

Lay the grate into the bottom of the box with the rubber flap facing up. The rubber flap should be on the heater end of the calf warmer. The rubber flap serves as a deflector between the calf and the heater.



## Heater Information



### Thermostat Control:

- The temperature of the Calf Box is regulated by adjusting the thermostat. (We recommend starting at the highest setting)
- The unit will operate at the desired setting until the temperature has been reached.
- **Important: The fan will continue to blow even when the thermostat is not calling for heat. This will keep heat and moisture recirculating.**
- Turning the knob clockwise will increase the temperature setting.

### Power Indicator Light:

- When the unit is turned ON, the power indicator light will illuminate.
- We recommend running the heater at the High setting, using the thermostat to regulate the temperature of the box.

# Operating Instructions

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1. After connecting the power cord to a grounded 120-volt source, (We highly recommend a 20-amp circuit) preheat the box by setting the fan/heating element knob to HIGH and thermostat to High

**Note: In extremely cold temperatures, there can be a difference of approximately 15 degrees from the floor of the calf box to the ceiling. To help alleviate this, put a heavy blanket or sleeping bag over the outside of the box, (keeping the blanket away from the heater enclosure).**

2. After warming the box 5-10 minutes, check the temperature on the thermometer. **We recommend keeping the power setting High** and the temperature as close to 100 degrees Fahrenheit when possible. The thermostat may need to be adjusted following the initial warm up.

3. Open the lid and place the cold stressed animal in the box with its head near the head boot. Close the lid and allow the animal to breathe the warm air inside the box. If after some time, you are concerned that the animal may need fresh air, simply push its head out through the head boot. This will allow the animal to breathe outside air while still warming its body. This may not be necessary for survival, but warm dry air can dry out the lungs of a newborn calf.

4. Warm the animal slowly. The length of time can vary depending on the severity of hypothermia and humidity. Average warming times range from 30 minutes to 2 hours. In the case of a wet animal, open the vent to release excess moisture. This will aid in the drying process wicking moisture off of the wet animal.

5. Once the animal has attained a normal body temperature and is showing signs of recovery and strength, return it to its mother.

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## **Inlet Air overheat protection system included**

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This heater includes a protection system that shuts off the heater if it begins to overheat. Our heaters will automatically shut off if the inlet air vent on the heater gets obstructed and causes the unit to overheat. The screens over the inlet vents can be cleaned with air or soapy water. Please remove the screen before cleaning.

## **Resetting the heater**

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Turn all the controls to their off position and unplug the unit. After turning off the unit, inspect for any objects on or adjacent to the heater that may cause high temperatures. Wait 5-10 minutes, then turn the controls to LOW or HIGH and the heater should now function normally.

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# Maintenance Requirements

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## Cleaning your Calf Box

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For easy clean-up, remove the heater enclosure and floor grate. Disinfect, hose down, and rinse your unit. Clean your heater enclosure and heater with compressed air. After rinsing out the box, wipe it down with a rag or dry towel and reinstall the heater and the floor grate.

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## Heater Maintenance

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Always unplug the heater before cleaning. Use a soft cloth moistened with a mild soap solution. **Do not immerse the heater in water.** Never use gasoline, benzene or thinner. This will damage the surface of the heater.

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# Roy-L-Heat Animal Warmer

## Safety Information

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- Never place the unit in standing water during operation.
- Always place electrical cords away from animals
- When using an extension cord, be sure to use a grounded, heavy-duty (12 gauge for up to 50' cords, 10 gauge for over 50' cords).
- Check thermometer regularly to ensure proper temperature.
- Always check the function of your Roy-L-Heat unit approximately one month in advance of its expected use. Units that performed properly in the previous season may not perform properly following 10 months of inactivity and dust accumulation.

## IMPORTANT INSTRUCTIONS

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### **(Required by UL for all electric heaters.)**

When using electrical appliances, basic precautions should always be followed to reduce risk of fire, electric shock and injury to persons including the following:

1. Read all instructions before using the heater.
2. Caution: High temperature. This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes and curtains at least 3 feet from the front of the heater and away from the side and rear.
3. Extreme caution is necessary when any heater is used by or near children or disabled persons and whenever the heater is left operating and unattended.
4. Always unplug heater when not in use.
5. Do not operate any heater with a damaged cord or plug or after the heater malfunctions, has been dropped or damaged in any manner. Return heater to authorized service facility for examination, electrical or mechanical adjustment or repair.
6. Plug into a GFCI protected outlet.
7. Do not run cord under carpeting. Do not cover cord with throw rugs, runners or the like. Arrange cord away from traffic area and where it will not be tripped over.
8. To disconnect heater, turn controls to off, then remove plug from outlet.
9. Connect heater to an appropriate electrical outlet, which meets the electrical ratings as marked on the heater.
10. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock, fire, or damage to the heater.
11. To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
12. A heater has hot and arcing or sparking parts inside. Do not use it in areas where gasoline, paint or flammable liquids are used or stored.
13. Use this heater only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

14. Avoid the use of an extension cord because the extension cord may overheat and cause a risk of fire. However, if you have to use an extension cord, the cord shall be 14AWG minimum size and rated not less than 1875 watts.
15. **WARNING:** This heater has a polarized plug (one blade is wider than the other). As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fully fit the outlet reverse the plug. If it still does not fit consult a qualified electrician. Never use with an extension cord if the plug cannot be fully inserted. Do not attempt to defeat this safety feature.

### **SAFETY FEATURES**

The heater has an enclosed “Overheat protector” which will not clog with dust or dirt. If the flow of air is blocked, the heater will automatically turn itself off when the internal temperature reaches 55°C.

### **CARING FOR YOUR HEATER**

Your heater has been designed for many years of problem free operation. The motor is permanently lubricated and does not require oiling. However, since the heater moves a high volume of air, it does require periodic cleaning. Unplug the heater and using a vacuum, clean the air intake at the back of the unit as well as the front grill.