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› Zerostart 3400017 Portable Electric Heat Magnet Heater User Manual

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Model: 3400017

INTRODUCTION

The Zerostart 3400017 Portable Electric Heat Magnet Heater is designed to provide efficient and targeted heating for various metallic surfaces. Its powerful magnet ensures secure attachment, while the built-in thermostat maintains an optimal temperature, preventing overheating. This versatile heater is ideal for pre-heating engine components, fluids, and other metallic structures in cold conditions.

This manual provides essential information for the safe and effective use of your Zerostart Heat Magnet Heater, including setup, operation, maintenance, and troubleshooting.



Figure 1: Zerostart 3400017 Portable Electric Heat Magnet Heater. This image shows the compact design of the heater with its integrated power cord and handle.

SAFETY INFORMATION

Read all instructions carefully before using the Zerostart 3400017 Heat Magnet Heater. Failure to follow these instructions may result in electric shock, fire, or serious injury.

General Safety Precautions:

- **Electrical Safety:** Always connect the heater to a properly grounded outlet. Do not use in wet or damp conditions. Ensure the power cord is not damaged or frayed.
- **Temperature:** The heater operates at elevated temperatures. Avoid direct contact with the heating surface during and immediately after operation. The built-in thermostat maintains optimum temperature and will not exceed 250°F (121°C).
- **Placement:** Use only on metallic surfaces that are clean, dry, and free of debris. Ensure the magnetic base makes full contact with the surface for efficient heat transfer and to prevent overheating of the unit itself.
- **Material Compatibility:** This heater is designed for use on **non-aluminum** metallic surfaces. Do not use on

aluminum engine blocks, oil pans, or other aluminum components, as the magnetic attachment will not be effective and heat transfer will be poor.

- **Supervision:** Do not leave the heater unattended while in operation.
- **Storage:** Store the heater indoors in a dry place when not in use.
- **Extension Cords:** If an extension cord is necessary, use only a grounded extension cord suitable for outdoor use and rated for the heater's wattage (200 Watts).



Figure 2: Close-up of the product label, indicating 120V, 60Hz, 200W power specifications and CSA certification. This label also includes a caution for hot surfaces.

SETUP

The Zerostart 3400017 Heat Magnet Heater is designed for quick and easy setup.

1. **Inspect the Heater:** Before each use, inspect the heater and its power cord for any signs of damage, cracks, or frayed wires. Do not use if damaged.
2. **Prepare the Surface:** Ensure the metallic surface where the heater will be attached is clean, dry, and free of oil,

grease, dirt, or rust. A clean surface ensures optimal magnetic adhesion and heat transfer.

3. **Attach the Heater:** Firmly place the magnetic base of the heater onto the desired metallic surface. The powerful magnet will secure the heater in place. Ensure the entire magnetic surface is in full contact with the metallic object.
4. **Position the Cord:** Route the power cord away from hot surfaces, moving parts, and sharp edges to prevent damage.
5. **Connect to Power:** Plug the heater's power cord into a standard 120-volt, 60 Hz, grounded electrical outlet.



Figure 3: Underside view of the Zerostart Heat Magnet, showing the magnetic contact surface. This surface must be fully engaged with the metallic object for proper operation.

OPERATING INSTRUCTIONS

Once properly set up, the Zerostart Heat Magnet Heater operates automatically.

1. **Activation:** The heater begins to generate heat immediately upon being plugged into a live electrical outlet.
2. **Temperature Regulation:** The built-in thermostat will regulate the temperature, maintaining an optimum heat level on the metallic surface. It is designed not to exceed 250°F (121°C).
3. **Heating Time:** The time required to heat the target component will vary depending on the ambient temperature, the size and material of the component, and the desired temperature. For best results, allow sufficient time for the heat to transfer.
4. **Disconnection:** To turn off the heater, simply unplug it from the electrical outlet.
5. **Removal:** Allow the heater to cool down before handling or removing it from the metallic surface. The quick-grip handle is designed to protect hands from heat during removal.

Typical Applications:

- Small engine blocks
- Oil pans

- Transmissions
- Hydraulic systems
- Livestock feeders
- Frozen gutters
- Pipes
- Other non-aluminum metallic surfaces requiring localized heating.

Easily heats, thaws, and defrosts.

- Small engine blocks
- Oil pans
- Transmissions
- Hydraulic systems
- Livestock feeders
- Frozen gutters
- Pipes
- and more...



Figure 4: The ZeroStart Heat Magnet Heater attached to a metallic surface on a tractor, demonstrating its application for pre-heating engine components.

MAINTENANCE

The ZeroStart 3400017 Heat Magnet Heater requires minimal maintenance.

- **Cleaning:** Ensure the magnetic surface is kept clean and free of debris. Use a dry cloth to wipe down the unit. Do not immerse in water or other liquids.

- **Storage:** When not in use, store the heater in a dry, safe place, away from extreme temperatures and direct sunlight.
- **Cord Care:** Regularly inspect the power cord for any cuts, abrasions, or damage. Do not wrap the cord tightly around the heater.
- **No User Serviceable Parts:** The heater contains no user-serviceable parts. Do not attempt to open or repair the unit. Any unauthorized modification will void the warranty and may pose a safety risk.

TROUBLESHOOTING

If you experience issues with your Zerostart Heat Magnet Heater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Heater does not get warm.	Not plugged in. Outlet has no power. Heater not making full contact with metallic surface. Surface is aluminum or non-magnetic.	Ensure heater is securely plugged into a live outlet. Check the circuit breaker or try a different outlet. Reposition the heater to ensure full magnetic contact. Confirm the surface is ferrous metal (magnetic).
Heater feels hot but object is not heating sufficiently.	Poor contact with surface. Object is too large or too thick for the heater's capacity. Extreme ambient cold.	Ensure full magnetic contact. Allow more time for heating, or consider if a higher wattage heater is needed for the application. Ensure the area is as protected from cold as possible.
Heater appears damaged or melted.	Improper use or poor heat dissipation. Internal malfunction.	Discontinue use immediately. Do not attempt to repair. Contact customer support.

If the problem persists after attempting these solutions, contact Zerostart customer support.

SPECIFICATIONS

- **Model:** Zerostart 3400017
- **Type:** Portable Electric Heat Magnet Heater
- **Power:** 200 Watts
- **Voltage:** 120 Volts AC
- **Frequency:** 60 Hz
- **Thermostat:** Built-in, maintains optimum temperature (will not exceed 250°F / 121°C)
- **Dimensions:** Approximately 4.41 x 2.5 x 2.95 inches (11.2 x 6.35 x 7.5 cm)
- **Weight:** Approximately 1.1 pounds (0.5 kg)
- **Certification:** CSA Certified
- **Intended Use:** Heating non-aluminum metallic surfaces (e.g., engine blocks, oil pans, transmissions, hydraulic equipment, steel gutters, stock tanks).

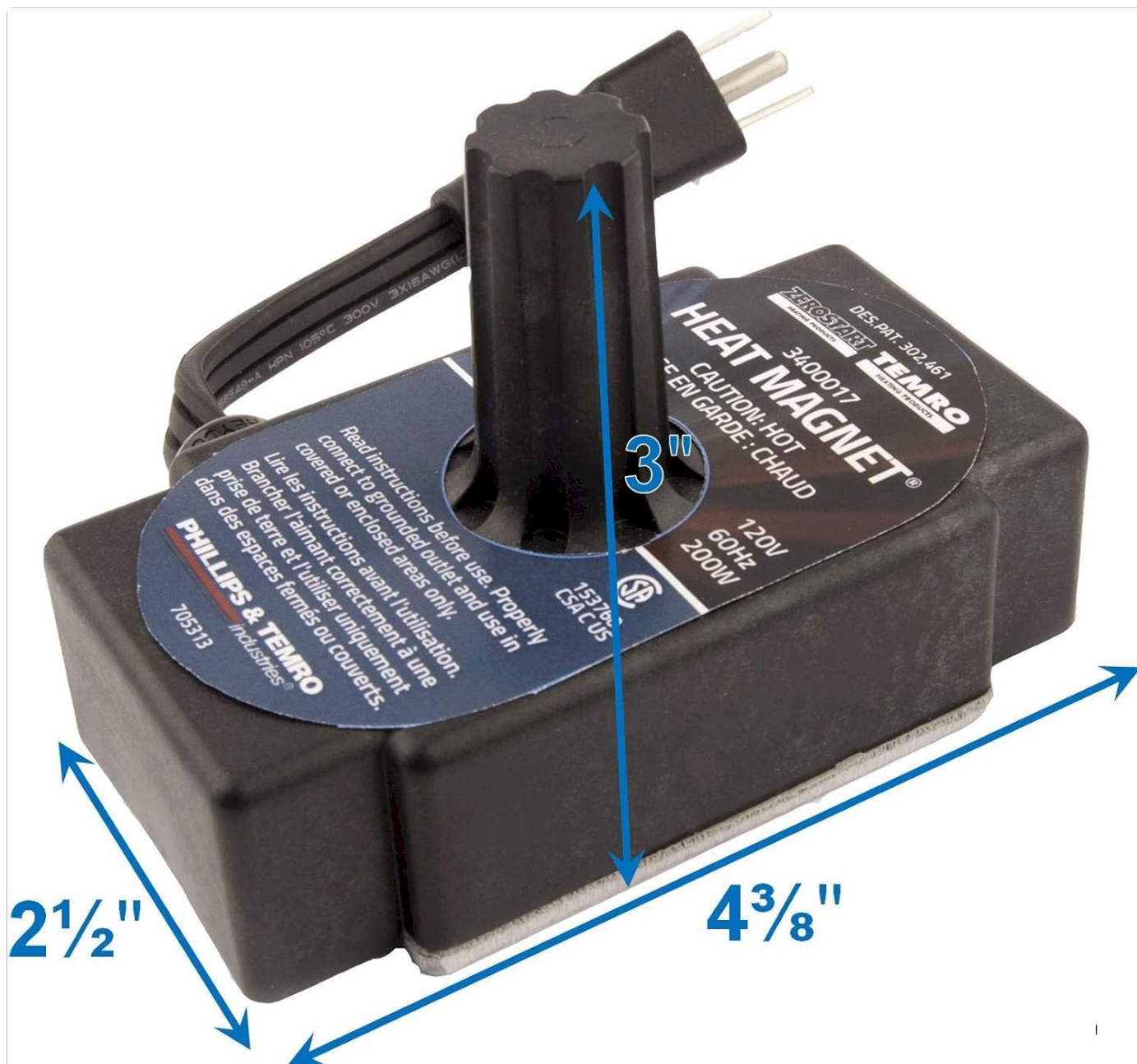


Figure 5: Diagram showing the approximate dimensions of the Zerostart 3400017 Heat Magnet Heater.

WARRANTY AND SUPPORT

For warranty information or technical support, please contact Zerostart (Phillips & Temro Industries) directly.

Manufacturer: Zerostart & Temro

Refer to the product packaging or the official Zerostart website for the most current contact information and warranty details.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question