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> VEVOR DW-1.8KW Induction Heater Bolt Removal Kit User Manual

VEVOR DW-1.8KW

VEVOR DW-1.8KW Induction Heater Bolt Removal Kit User Manual

Model: DW-1.8KW

1. INTRODUCTION

Thank you for choosing the VEVOR DW-1.8KW Induction Heater Bolt Removal Kit. This device is designed for the quick and efficient heating of metal components, primarily for the removal of rusted or seized bolts, nuts, and other fasteners. It utilizes magnetic induction technology to heat metal without open flames, reducing the risk of damage to surrounding parts. Please read this manual thoroughly before operation to ensure safe and effective use.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in electric shock, fire, serious injury, or property damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and heat-resistant gloves.
- Ensure the work area is well-ventilated and free from flammable materials.
- Do not operate the induction heater near pacemakers or other medical implants. The magnetic field can interfere with their operation.
- Keep children and unauthorized personnel away from the operating area.
- Do not touch heated parts immediately after operation. Allow them to cool or use appropriate tools.
- Ensure the power supply matches the specifications of the induction heater (110V).
- Never immerse the unit or its components in water or other liquids.
- Inspect the power cord and coils for damage before each use. Do not use if damaged.
- This device is for heating conductive metals only. Do not use on non-conductive materials.

3. PRODUCT OVERVIEW AND COMPONENTS

The VEVOR DW-1.8KW Induction Heater Kit includes the main heating unit, a handheld induction gun, and a variety of heating coils, all housed in a protective carrying case.



Image: Complete VEVOR Induction Heater Kit with main unit, handheld gun, four different heating coils, and a durable carrying case.

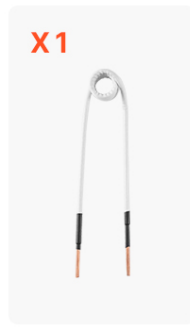
Included Components:

- 1 x Magnetic Induction Heater Kit (Main Unit and Handheld Gun)
- 1 x Induction Coil $\phi 0.8$ in (20 mm)
- 1 x Induction Coil $\phi 1.2$ in (30 mm)
- 1 x Induction Coil $\phi 2.4$ in (60 mm)
- 1 x Free Coil (17.7 in / 449.6 mm)
- 1 x Power Cord
- 2 x Toolbox Keys
- 2 x Fixing Screws
- 1 x Carrying Case
- 1 x User Manual (this document)

4 PCS Heating Coil Set



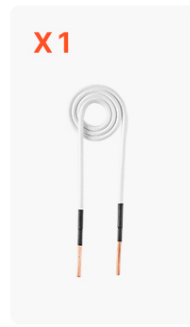
*For $\Phi 0.2 - 1.6$ in ($\Phi 5 - 40$ mm) Diameter Bolts



$\Phi 0.8$ in (20 mm)



$\Phi 1.2$ in (30 mm)



$\Phi 2.4$ in / 60 mm



Length 17.7 in / 449.6 mm

Image: The four heating coils provided, including 0.8 inch, 1.2 inch, 2.4 inch, and a 17.7 inch free coil for various applications.

4. SETUP

Follow these steps to set up your VEVOR Induction Heater:

1. **Unpack:** Carefully remove all components from the carrying case.
2. **Select Coil:** Choose a heating coil that is one size larger than the target workpiece (e.g., bolt or nut) to ensure proper fit and efficient heating.
3. **Install Coil:** Insert the chosen coil into the handheld induction gun. Secure it firmly using the thumb screws on the gun.
4. **Connect Power:** Plug the main unit into a standard 110V AC power outlet.

Easy to Use



Step 1



Step 2



Step 3



Step 4

Tips 1. Select a coil that is one size larger than the target workpiece

2. Please do not power on for extended periods without a coil installed

Image: Visual guide demonstrating the four steps to correctly install a heating coil into the handheld induction gun.

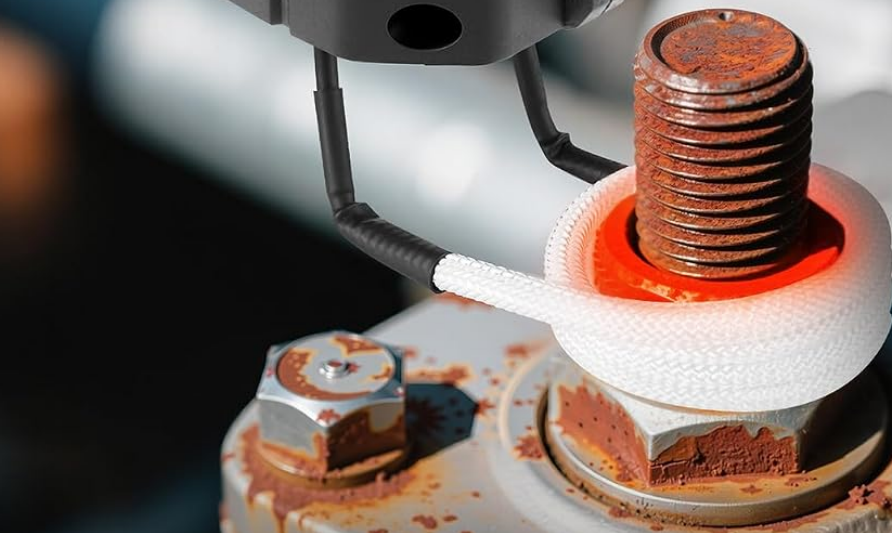
Important Tip: Do not power on the unit for extended periods without a coil installed, as this can damage the device.

5. OPERATING INSTRUCTIONS

The VEVOR Induction Heater is designed for quick and localized heating of metal components.

1. **Position Coil:** Place the installed heating coil around the target metal component (e.g., rusty bolt). Ensure the coil fully encompasses the part to be heated.
2. **Activate Heating:** Press and hold the trigger on the handheld induction gun to begin heating. The device will quickly heat the metal.
3. **Monitor Heating:** The heating process typically takes 8 seconds for rapid heating and 25-40 seconds for thorough, even heating, depending on the size and type of metal. Observe the component for signs of heating (e.g., slight glow).
4. **Release Fastener:** Once sufficiently heated, release the trigger and use appropriate tools (e.g., wrench) to remove the bolt or nut.
5. **Cool Down:** Allow the heated component and the induction coil to cool before handling or storing. The unit features a cooling fan that operates automatically to dissipate heat.

8S Quick Heating Up



For Conductive Metals Only

* When heating a steel pipe ($\phi 20 \times 1 \text{ mm}$),
the heating time is about 8 seconds

Image: The induction coil actively heating a rusty bolt, illustrating the rapid heating capability.

Applications:

- Automotive repair for seized bolts and nuts.
- Mechanical maintenance for removing bearings, gears, and frozen fasteners.
- Heating larger, thicker workpieces requiring short-term, high-intensity work.

Handle More Complex Heating Challenges



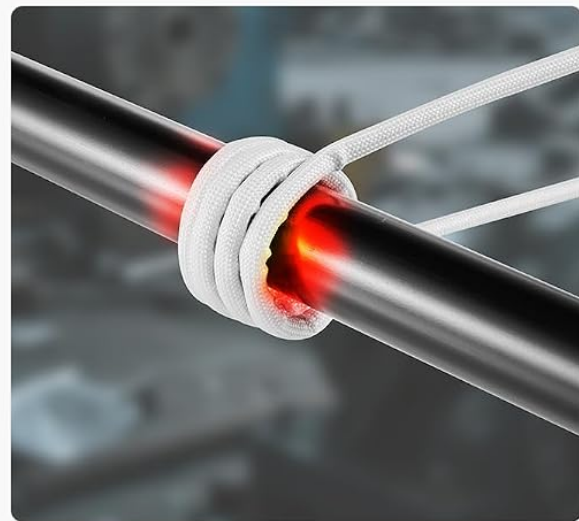
Car Components Removal



Metal Welding



Pipe Heating



Welding Parts

Image: Various applications of the induction heater, such as removing car components, metal welding, and heating pipes.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your induction heater.

- **Cleaning:** After each use, ensure the unit is unplugged and cooled. Wipe down the main unit and handheld gun with a dry, clean cloth. Do not use abrasive cleaners or solvents.

- **Coil Inspection:** Regularly inspect heating coils for any signs of wear, damage, or insulation breakdown. Replace damaged coils immediately.
- **Ventilation:** Keep the cooling vents on the main unit clear of dust and debris to ensure proper airflow and prevent overheating.
- **Storage:** Store the induction heater kit in its original carrying case in a dry, clean, and secure location, away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your VEVOR Induction Heater, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not power on.	No power supply; faulty power cord; internal fault.	Check power connection and outlet. Inspect power cord for damage. If issues persist, contact VEVOR support.
No heating or weak heating.	Incorrect coil selection; coil not properly installed; target material is non-conductive; internal fault.	Ensure coil size is appropriate and securely installed. Verify target material is conductive metal. Contact support if problem continues.
Unit overheats and shuts off.	Blocked ventilation; continuous operation exceeds limit; high ambient temperature.	Ensure vents are clear. Allow unit to cool down. Adhere to maximum continuous operating time (90 seconds). Operate in a cooler environment.

For problems not listed above, or if solutions do not resolve the issue, please contact VEVOR customer support.

8. SPECIFICATIONS

Item Model Number: **DW-1.8KW**

Output Power: **1800 W**

Number of Coils: **4 PCS**

Max Continuous Operating Time: **90 S**

Heating Temperature: **Approx. 1472°F / 800°C**

Main Materials: **Copper, Aluminum, ABS, PA66**

Carrying Case Dimension: **16.5 × 12.4 × 5.4 in / 418 × 315 × 136 mm**

Product Dimension: **8.5 × 4.3 × 7.9 in / 217 × 110 × 200 mm**

Accessories

1 x Induction Coils $\varnothing$ 0.8 in (20 mm)

1 x Free Coil (17.7 in / 449.6 mm)

1 x Power Cord

1 x Induction Coils $\varnothing$ 1.2 in (30 mm)

2 x Toolbox Keys

1 x Carrying Case

1 x Induction Coil $\varnothing$ 2.4 in (60 mm)

2 x Fixing Screws

1 x User Manual

Image: Technical specifications and a list of included accessories for the VEVOR DW-1.8KW Induction Heater.

Feature	Detail
Item Model Number	DW-1.8KW

Feature	Detail
Output Power	1800 W
Input Voltage	AC230V 50/60Hz (Note: Product title states 110V, please verify actual product label)
Number of Coils	4 PCS
Max Continuous Operating Time	90 S
Heating Temperature	Approx. 1472°F / 800°C
Heating Nut Diameter	φ0.2 - 1.6 in / φ5 - 40 mm
Copper Wire Diameter	φ0.16 in / 4.0 mm
Power Cord Length	4.9 ft / 1.5 m
Product Weight	10.34 lbs / 4.69 kg
Product Dimensions	8.5 x 4.3 x 7.9 in / 217 x 110 x 200 mm
Main Materials	Copper, Aluminum, ABS, PA66
Carrying Case Dimension	16.5 x 12.4 x 5.4 in / 418 x 315 x 136 mm

9. WARRANTY AND SUPPORT

VEVOR is committed to providing high-quality products. For warranty information, technical support, or service inquiries, please refer to the official VEVOR website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

For additional resources and product information, visit the [VEVOR Store on Amazon](#).

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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.

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