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DATOUBOSS DT-KC-003

DATOUBOSS DT-KC-003 2000W Shortwave Infrared Paint Curing Lamp Instruction Manual

Model: DT-KC-003 | Brand: DATOUBOSS

1. INTRODUCTION

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your DATOUBOSS DT-KC-003 2000W Shortwave Infrared Paint Curing Lamp. Please read this manual thoroughly before using the product and retain it for future reference.



Image: The DATOUBOSS DT-KC-003 Shortwave Infrared Paint Curing Lamp, a handheld device designed for efficient paint drying.

2. IMPORTANT SAFETY INSTRUCTIONS

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

- Always wear appropriate personal protective equipment (PPE), including heat-resistant gloves and eye protection, when operating the lamp.
- Ensure the work area is well-ventilated to prevent the accumulation of fumes from paint and solvents.
- Do not touch the lamp's heating elements or metal housing during operation or immediately after use, as they will be extremely hot. Allow sufficient time for cooling.
- Keep flammable materials, liquids, and gases away from the lamp during operation.
- Ensure the power supply matches the lamp's voltage requirements (110V).
- Do not operate the lamp if the power cord or plug is damaged.
- Keep children and unauthorized personnel away from the operating area.
- Avoid prolonged exposure to infrared radiation.
- Always unplug the lamp from the power source before performing any maintenance or bulb replacement.

3. PRODUCT FEATURES

- **Timing Function:** Adjustable timer from 0 to 90 minutes for precise curing control. The lamp automatically turns off when the set time expires.
- **Shortwave Infrared Technology:** Utilizes shortwave infrared radiation for efficient heating, penetrating paint surfaces to cure from the inside out, reducing warm-up time and improving work efficiency.
- **Optimized Curing Area:** Provides a curing area of 650 x 500 mm (25.6 x 19.7 inches) with a working temperature range of 0-200°C (0-392°F). Features a high-reflectivity reflector for uniform heat distribution.
- **Durable Construction:** Constructed with an aluminum alloy shell for enhanced durability and efficient heat dissipation, preventing damage from high temperatures.
- **Versatile Application:** Suitable for automotive spray paint rooms, local paint drying, drying putty, car spray booths, on-site repairs, engine drying, adhesive strip removal, and preheating before spraying.
- **Quick Bulb Replacement:** Designed for easy and quick disassembly and replacement of the carbon fiber lamp tubes.

PRODUCT DETAILS

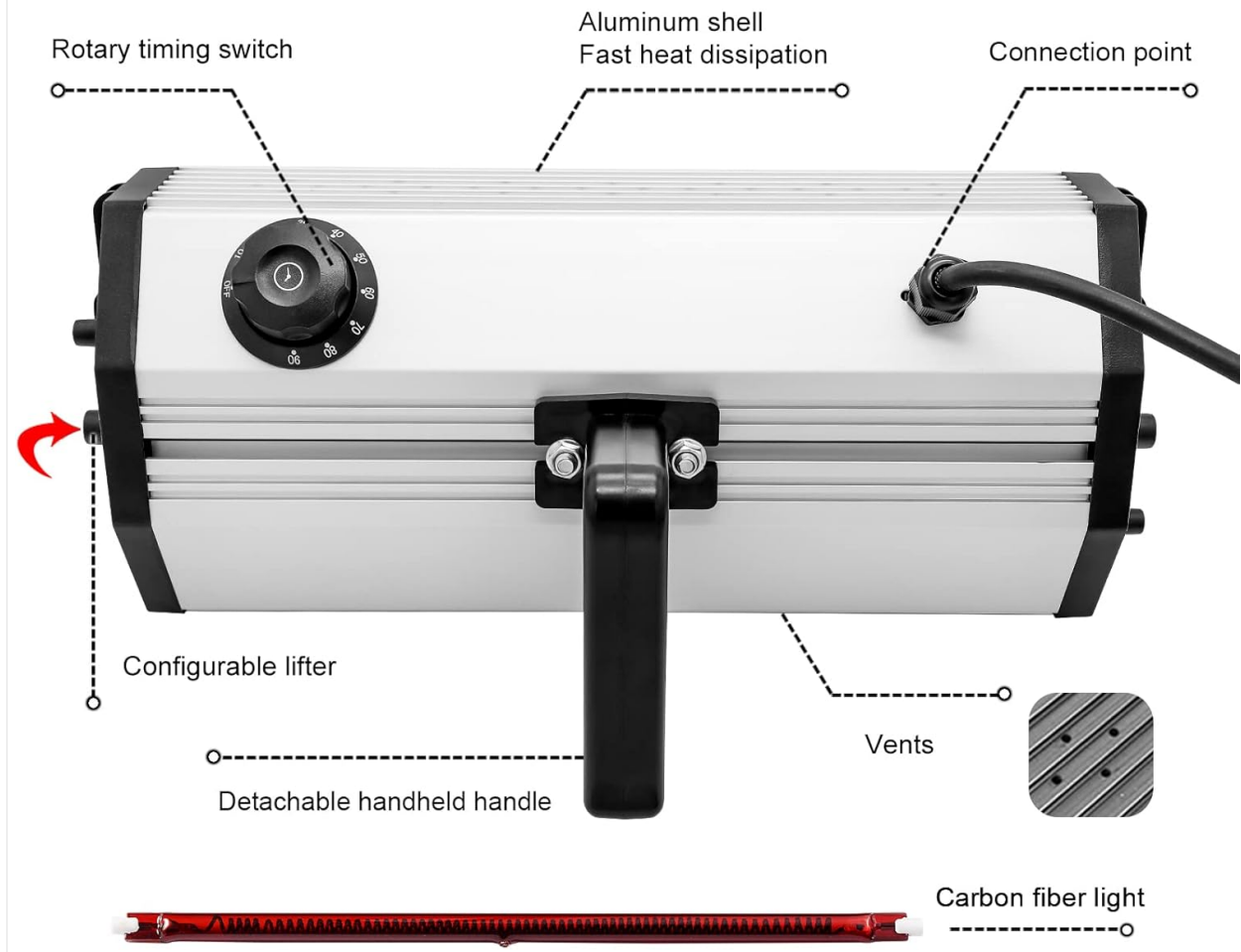


Image: Detailed view of the lamp's components, including the timer, handle, and heat dissipation vents.

4. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- DATOUBOSS DT-KC-003 Infrared Paint Curing Lamp Unit
- Detachable Handheld Handle
- Mounting Hardware (screws, nuts, brackets)
- Power Cord (110V US Plug)
- Instruction Manual (this document)

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Video: Unboxing and overview of the DATOUBOSS Infrared Paint Curing Lamp, showing the main unit and included accessories.

5. SETUP AND ASSEMBLY

Follow these steps to assemble your infrared paint curing lamp:

1. **Attach the Handle:** Secure the detachable handheld handle to the designated mounting points on the

lamp unit using the provided screws. Ensure it is firmly attached for safe handling.

2. **Connect Power Cord:** Plug the power cord into the lamp's connection point.
3. **Bulb Installation/Verification:** Ensure the carbon fiber lamp tubes are correctly seated in their sockets. If replacing, carefully insert new bulbs into the ceramic holders.

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Video: Detailed instructions on the disassembly and assembly of the paint curing lamp, including securing end plates and internal components.

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Video: Demonstrates the installation and use of car grilling lights, which includes assembly steps for the lamp unit.

Quickly replace the lamp tube in 10s

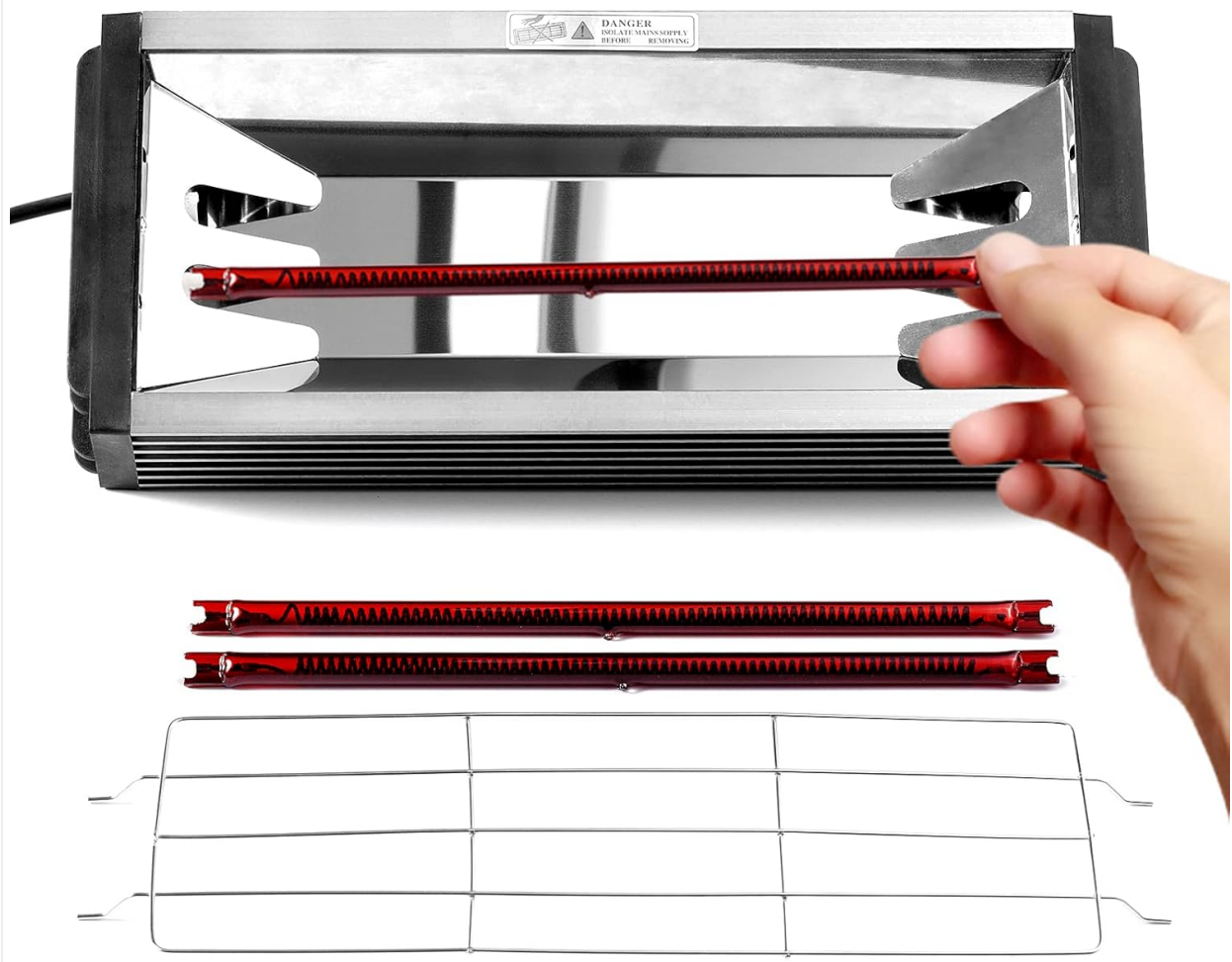


Image: Visual guide for quick lamp tube replacement.

6. OPERATING INSTRUCTIONS

1. **Power Connection:** Plug the lamp into a standard 110V power outlet.
2. **Positioning:** Hold the lamp by the insulated handle and position it approximately 50-70 cm (20-28 inches) from the surface to be cured. Ensure even coverage.

3. **Set Timer:** Use the rotary timing switch to set the desired curing time (0-90 minutes). Refer to paint manufacturer guidelines for recommended curing times.
4. **Activate Lamp:** Turn on the power switch. The infrared elements will illuminate, indicating operation.
5. **Monitor Curing:** Observe the paint surface during the curing process. Avoid overheating, which can lead to bubbling or chipping.
6. **Automatic Shut-off:** The lamp will automatically turn off once the set timer expires.
7. **Cool Down:** After use, allow the lamp to cool down completely before storing or handling the metal parts.



Image: Demonstrates the handheld use of the infrared paint curing lamp on a vehicle.



0-90 MINUTES TIME ADJUSTMENT AUTOMATIC STOP

One-key opening, precise timing, time saving and power saving, automatic shutdown when time is reset, convenient and safe to use.

Image: The timer dial for setting curing duration.

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Video: Shows the infrared paint lamp in use for various applications, highlighting its effectiveness.

7. MAINTENANCE

- **Cleaning:** Regularly clean the lamp's exterior with a soft, dry cloth. Ensure the lamp is unplugged and cool before cleaning. Do not use abrasive cleaners or solvents.
- **Bulb Replacement:** If a lamp tube fails, replace it with an identical carbon fiber shortwave infrared bulb. Refer to the "Setup and Assembly" section for replacement steps.
- **Storage:** Store the lamp in a dry, clean environment away from direct sunlight and extreme temperatures.

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Video: Demonstrates how to install the baking infrared paint curing lamp, which includes steps relevant to bulb replacement and general maintenance.

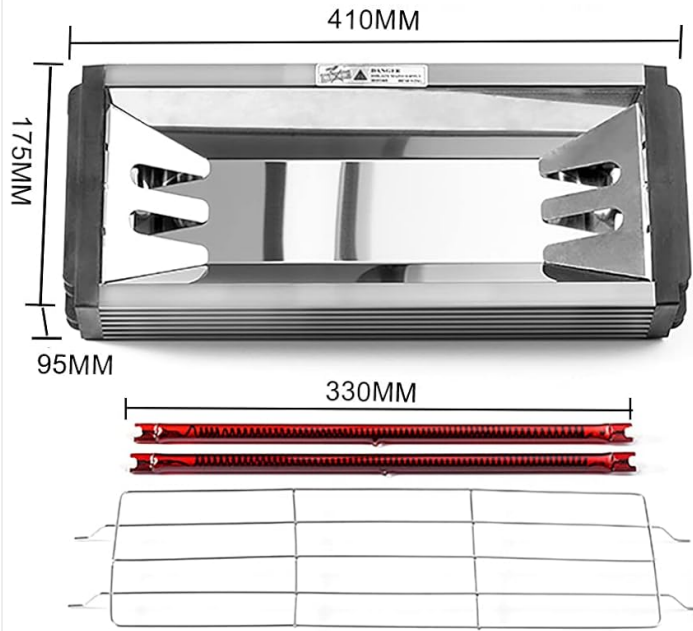
8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lamp does not turn on.	No power supply, faulty power cord, or blown fuse/circuit breaker.	Check power outlet, power cord connection, and electrical panel.
Lamp elements not heating.	Damaged lamp tube(s) or internal wiring issue.	Inspect and replace faulty lamp tubes. If problem persists, contact support.
Uneven curing.	Incorrect lamp distance or uneven application.	Adjust lamp distance and ensure consistent movement over the surface.
Paint bubbling or scorching.	Lamp too close to surface or excessive curing time.	Increase distance from surface and/or reduce curing time.

9. SPECIFICATIONS

Feature	Detail
Model	DT-KC-003
Power	2000W
Voltage	110V 60Hz
Lamp Material	Carbon fiber tube
Timing Setting	0-90 minutes
Product Material	Aluminum Alloy
Curing Area	650*500mm (25.6*19.7 in)
Operating Temperature	0-200°C (0-392°F)
Item Weight	6.29 pounds (2.85 kg)
Package Dimensions	18.25 x 11.25 x 7.25 inches
Manufacturer	DATOUBOSS

PARAMETER



Model: DT-KC-003

Power:2000W

Lamp Material :Carbon fiber tube

Timing Set : 0-90min

Product material:Aluminum Alloy

Voltage:110v/220V 50Hz/60Hz

Curing Area: 650*500mm
(25.5*19.6in)

Lamp Tube length: 330mm(13in)

Operating Temperature: 0-100°C

Net weight:2.7kg



Image: Visual representation of the product's key parameters and dimensions.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact DATOUBOSS customer service directly. Keep your purchase receipt as proof of purchase.