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> GEARLASSO DH002 Diesel Heater Instruction Manual

GEARLASSO DH002

GEARLASSO DH002 Diesel Heater Instruction Manual

Model: DH002 | Brand: GEARLASSO

INTRODUCTION

This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your GEARLASSO DH002 Diesel Heater. Please read this manual thoroughly before use and retain it for future reference.



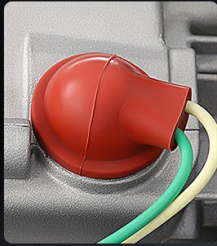
Image: The GEARLASSO DH002 Diesel Heater, showcasing its compact design, integrated control panel, and accompanying remote control and smartphone application interface.

IMPORTANT SAFETY INFORMATION

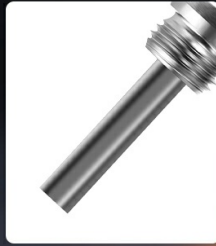
- Ensure the exhaust is always vented externally to prevent carbon monoxide buildup.
- The heater is thermostatically controlled and equipped with shutdown mechanisms to prevent overheating. Do not tamper with these safety features.
- Always use the specified diesel fuel type.
- Do not connect the power cord to the main cable wire, cigar lighter, or fuse box directly. It must be connected to the car battery directly to ensure stable power supply and prevent damage.
- During shutdown, do not forcibly cut off power. Allow the unit to complete its shutdown cycle to fully dissipate internal heat and prevent damage.

EXCELLENT MATERIAL GLOW PLUG

Heat Up Quickly and Maintain High Temperature for a Long Time
Cope with Various Power Supply Enviroments Easily



Installation Schematic



Ceramic Ignition Plug



10,000
revolutions/second

Image: Visual representation of safety certifications (UL, FCC, CE) for the diesel heater, emphasizing intelligent temperature control and overheating protection.

PRODUCT COMPONENTS

Your GEARLASSO DH002 Diesel Heater package includes the following items:

- Diesel Heater Unit (with integrated fuel tank)
- Remote Control
- User Manual
- Adapter (for 110V use)
- DC12V Power Cord
- Silencer
- Inlet Pipe
- Exhaust Pipe
- Vent Pipe
- Airflow Direction Rotating Joint
- Exhaust Pipe Hangers (2)
- Air Purifier
- Installation Kit (clamps, screws, etc.)
- Exhaust pipe heat insulation tape
- Drill bit



Image: A comprehensive display of all components and accessories included with the GEARLASSO DH002 Diesel Heater, such as the main unit, remote, user manual, various pipes, clamps, and power adapters.

SETUP AND INSTALLATION

1. Choosing an Installation Location

Select a stable and secure location for the heater. Ensure adequate clearance for air intake and exhaust. The exhaust must always be routed outside the vehicle or enclosure.



Image: Diagrams illustrating suitable installation locations for the diesel heater in trucks, excavators, RVs, and SUVs, highlighting placement options like legroom, back wall, under container, and in the trunk.

2. Exhaust Pipe and Muffler Setup

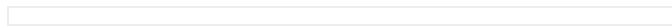
Connect the exhaust pipe to the heater's exhaust port. Ensure all connections are tight using the provided clamps to prevent leakage. The muffler should be installed at the end of the exhaust pipe, outside the heated area.



Video: This video demonstrates the correct procedure for setting up the exhaust pipe and muffler, including how to connect the components and ensure a secure, leak-free installation.

3. Warm Air Duct Installation

Attach the warm air duct to the heater's air outlet. Secure it firmly with a clamp. Ensure the duct is extended to direct warm air effectively into the desired space.



Video: This video provides a detailed guide on installing the warm air duct, showing how to attach it to the heater and secure it properly for optimal heat distribution.

4. Power Connection

The heater supports 12V, 24V, and 110V power sources. For 12V/24V DC, connect the power cord directly to your vehicle's battery (red to positive, black to negative). For 110V AC, use the provided adapter and plug it into a standard outlet.

INDOOR USE

Our Heater Kit Includes the Adapter use for Home / Garage / Workshop



Image: The diesel heater connected to a standard 110V wall outlet using its adapter, demonstrating its suitability for indoor use in garages or workshops.

5. Fueling the Heater

Unscrew the fuel cap and carefully pour diesel fuel into the 5L tank. Use the integrated filter to prevent impurities from entering the system. Do not overfill.

OPERATING INSTRUCTIONS

1. Control Methods

Your heater offers three convenient control methods:

- **LCD Panel Control:** Directly adjust settings on the unit's integrated LCD display.
- **Remote Control:** Use the included remote to power on/off, adjust temperature, and set timers from up to 164 ft (50 m) away.
- **Bluetooth APP Control:** Download the dedicated app to control the heater via Bluetooth from up to 98 ft (30 m), allowing for pre-heating and monitoring.

3 INTELLIGENT CONTROL METHODS



Image: Illustration of the three intelligent control methods: Bluetooth connectivity via a smartphone app, remote control, and direct LCD panel interaction.

2. LCD Switch Operation

The LCD panel allows you to view basic information, adjust temperature, set timers, and switch between Celsius and Fahrenheit. Refer to the video for a detailed walkthrough.

Video: A comprehensive tutorial on operating the LCD switch, covering basic information display, temperature adjustment, timer settings, and language switching.

3. Temperature Adjustment

The temperature can be adjusted from 46.4°F to 104°F (8°C to 40°C) using the control panel or remote control.

4. Timer Function

Set the heater to turn on or off at specific times using the timer function available on the LCD panel or via the app.

MAINTENANCE

To ensure optimal performance and longevity of your diesel heater, regular maintenance is recommended:

- **Fuel Efficiency:** The precision oil pump and ceramic spark plug ensure 100% combustion, minimizing fuel consumption (0.15-0.45 liters/hour).
- **Air Filter:** Periodically check and clean the air filter to maintain efficient operation.
- **Exhaust System:** Inspect the exhaust pipe and silencer for any blockages or damage.
- **General Cleaning:** Keep the exterior of the unit clean and free from dust and debris.



Image: An exploded view of the diesel heater's internal components, highlighting the combustion chamber, heat exchanger, fuel pump, and ignition plug, along with icons for 100% combustion and aluminum body.

TROUBLESHOOTING

If you encounter issues with your heater, refer to the following common problems and solutions:

- **Heater Not Starting:** Check power connections, fuel level, and ensure the fuel pump is primed.
- **Error Codes:** The LCD display may show error codes. Refer to the

