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> Bayyee Diesel Parking Heater Service Kit User Manual for Eberspacher Hydronic D5WZ, D5WS, D3WZ, and B4WSC Models

Bayyee Eberspacher Hydronic D5WZ/D5WS/D3WZ B4WSC

Bayyee Diesel Parking Heater Service Kit User Manual

For Eberspacher Hydronic D5WZ, D5WS, D3WZ, and B4WSC Models

1. INTRODUCTION

This manual provides essential information for the Bayyee Diesel Parking Heater Service Kit. This kit is designed to facilitate the maintenance and servicing of compatible Eberspacher Hydronic diesel parking heaters. Regular servicing with these components contributes to the heater's operational efficiency and longevity.

The kit includes replacement parts that are integral to the heater's function, such as the glow plug, gaskets, and strainer. These components are crucial for the proper ignition and combustion process within the heater, ensuring effective heat generation.



Image 1: Overview of the Bayyee Diesel Parking Heater Service Kit components.

2. PACKAGE CONTENTS

The Bayyee Diesel Parking Heater Service Kit typically includes the following items:

- 1x Glow Plug
- 1x Glow Plug Strainer
- 1x Spanner (Wrench)
- 1x Burner Gasket
- 1x Motor Gasket



Image 2: All components included in the service kit.

3. COMPATIBILITY

This service kit is compatible with the following Eberspacher Hydronic diesel parking heater models:

- Eberspacher Hydronic D5WZ
- Eberspacher Hydronic D5WS
- Eberspacher Hydronic D3WZ
- Eberspacher Hydronic B4WSC
- Eberspacher Hydronic D4WS
- Eberspacher Hydronic D5WSC

Interchange Part Number: 252106011000

Before installation, verify that the components in this kit match the parts being replaced in your specific heater model. Refer to your heater's original service manual for exact part specifications.

4. COMPONENT OVERVIEW

Understanding the function of each component is crucial for proper servicing.

- **Glow Plug:** This ceramic heating element and spark sensor is responsible for rapidly heating and igniting the fuel in the heater's combustion chamber. It ensures quick startup and efficient burning, especially in cold conditions.
- **Glow Plug Strainer:** A fine mesh filter designed to protect the glow plug from impurities in the fuel, ensuring consistent fuel delivery and preventing damage or clogging.

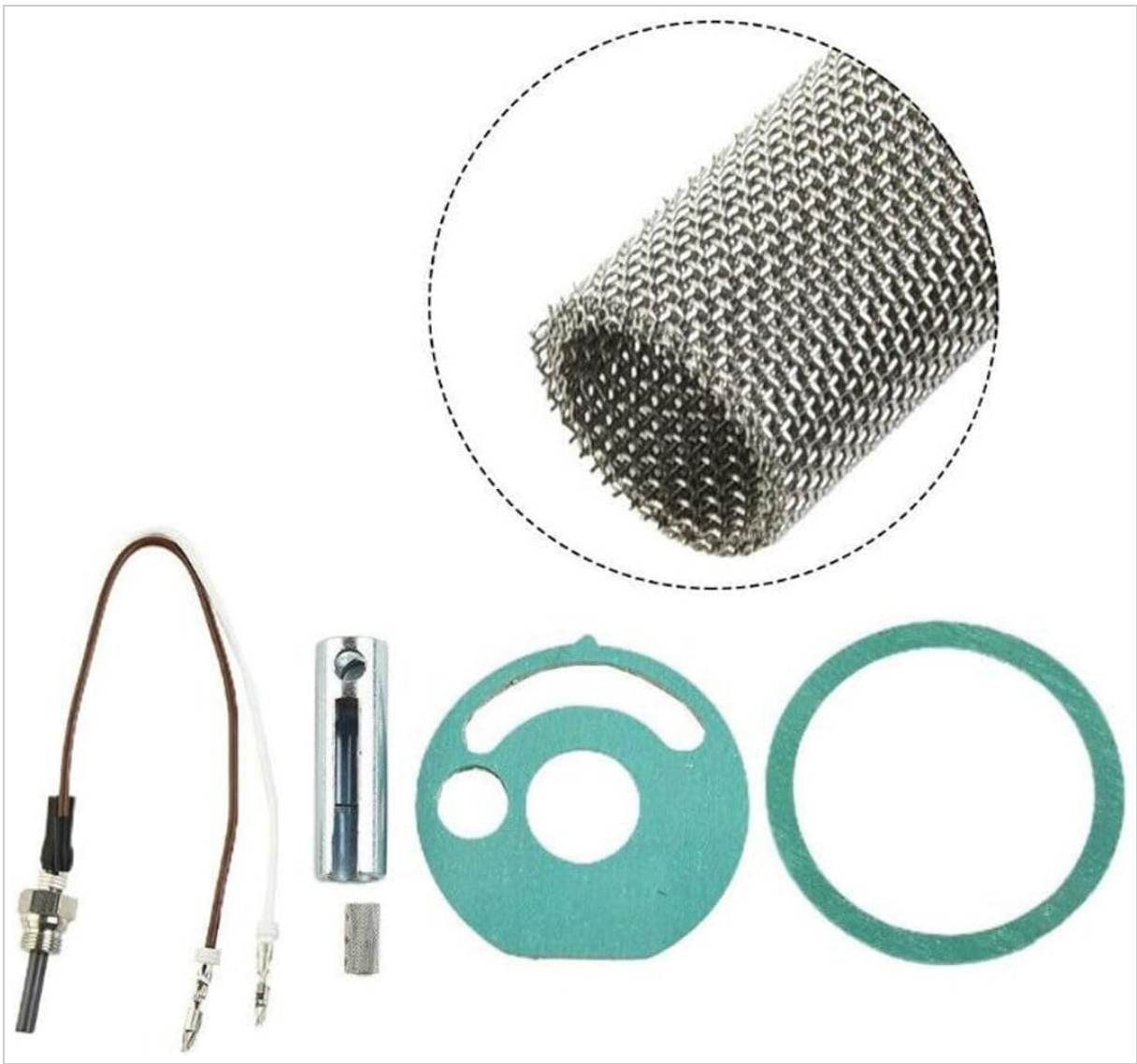


Image 3: Detailed view of the Glow Plug Strainer.

- **Spanner (Wrench):** A tool provided for the installation and removal of specific components within the heater assembly, particularly the glow plug.
- **Burner Gasket:** A sealing component used to create a tight seal around the burner unit, preventing exhaust gas leaks and ensuring proper combustion chamber pressure.
- **Motor Gasket:** A sealing component used to create a tight seal for the heater's motor assembly, preventing air or fluid leaks and maintaining system integrity.



Image 4: Detailed view of the Burner Gasket and Motor Gasket.

5. INSTALLATION GUIDANCE

This service kit contains replacement parts for an existing diesel parking heater. Installation of these components requires mechanical aptitude and familiarity with the specific Eberspacher Hydronic heater model. Incorrect installation can lead to heater malfunction, damage, or safety hazards.

It is highly recommended that installation and replacement of these components be performed by a qualified technician or a professional service center.

General Steps (Consult Heater Manual for Specifics):

1. **Safety First:** Disconnect the vehicle's battery and ensure the heater is completely cool before beginning any work.
2. **Access:** Carefully access the heater unit, following the manufacturer's instructions for your specific model.
3. **Component Removal:** Remove the old glow plug, strainer, and gaskets. Note their orientation and connections.
4. **Cleaning:** Clean any carbon deposits or debris from the heater's combustion chamber and surrounding areas.
5. **New Component Installation:** Install the new glow plug, strainer, and gaskets. Ensure all seals are properly seated and connections are secure. Use the provided spanner as needed.
6. **Reassembly & Testing:** Reassemble the heater and vehicle components. Reconnect the battery. Perform a functional test of the heater according to its operational manual.

6. MAINTENANCE

This kit itself is for maintenance. The components within the kit are wear items that require periodic replacement to ensure the optimal performance and reliability of your Eberspacher Hydronic heater. The frequency of replacement depends on heater usage, fuel quality, and operating conditions.

Regular inspection of the glow plug and strainer for signs of wear, carbon buildup, or damage is recommended. Gaskets should be replaced whenever the heater unit is opened for service to ensure a proper seal.

7. TROUBLESHOOTING

If your Eberspacher Hydronic heater experiences issues after servicing with this kit, consider the following general points:

- **No Ignition:** Check the glow plug connection and ensure it is properly seated. Verify the glow plug is receiving power.
- **Excessive Smoke:** May indicate improper fuel-air mixture or a partially clogged strainer. Ensure the new strainer is clean and correctly installed.
- **Fuel Leaks:** Recheck all gasket installations to ensure they are properly seated and tightened.
- **Error Codes:** Consult your Eberspacher heater's specific diagnostic manual for interpreting any error codes displayed.

For persistent issues or complex diagnostics, it is advisable to consult a certified Eberspacher service technician.

8. SPECIFICATIONS

Rated Voltage	8V
Current	8A-9A
Material	Ceramic, Plastic, Metal
Interchange Part Number	252106011000
Item Weight	4 ounces
Package Dimensions	7.5 x 5.2 x 1.2 inches

9. WARRANTY INFORMATION

Warranty information for the Bayyee Diesel Parking Heater Service Kit is not provided within this manual. For details regarding product warranty, please refer to the product packaging or contact the seller directly.

10. CUSTOMER SUPPORT

For technical assistance, questions regarding compatibility, or support related to this service kit, please contact the Bayyee customer support or the retailer from whom the product was purchased. Specific contact information may be available on the product packaging or the seller's website.

