

MECHANICAL REPAIR

Diesel Locomotive Fuel Transfer and
Pre-lube/Turbo Soak-back Pumps

PUMP TYPES:

Bohr Electronics has special expertise with the following pump types, but can also replace bearings, shaft keys, and O-rings on any pump.

Pre-lube/Turbo Soak-back Oil Pump (3.5 GPM, 40 psi)

DC Diesel Fuel Priming Pump (4 GPM, 90 psi)

DC Diesel Fuel Priming Pump (7 GPM, 90 psi)

PROBLEM DESCRIPTION:

Customer will provide a brief description of the reported problem with the equipment to pumprepair@bohr.com or by faxing 423-370-1299. A Bohr service representative will respond the same business day with a quote, repair authorization, and shipping instructions.

EQUIPMENT INSPECTION:

Perform a thorough inspection of the fuel transfer pump and turbo soak-back pumps to identify any visible damage, leaks, or abnormal wear and tear.

Document the inspection findings, including photographs if necessary.

DIAGNOSTIC TESTING:

Assess the functionality and performance of the fuel transfer pump and turbo soak-back pumps.

Conduct tests to identify any potential mechanical faults or malfunctions.

TROUBLESHOOTING AND REPAIR:

Identify the root cause of the problem based on the inspection and diagnostic results.

Refer to the manufacturer's service manual and guidelines for troubleshooting steps and recommended repair procedures.

Replace or repair any faulty components or parts as necessary with genuine replacement parts, following the manufacturer's specifications and guidelines.

Ensure that all repairs are performed safely and comply with relevant safety regulations.

CLEANING AND MAINTENANCE:

Clean the fuel transfer pump and turbo soak-back pumps to remove any dirt, debris, or contaminants that may affect their performance.

Follow proper cleaning procedures, routine maintenance tasks, lubrication, and adjustments as specified by the manufacturer.

Mailing Address:
P. O. Box 5265
Chattanooga, TN 37406

Shipping Address:
4250 Benton Drive
Chattanooga, TN 37406

P: 423-877-8207
F: 423-370-1299
E: sales@bohr.com

Note: A professional repair service ensures a safe, reliable, and efficient operation. This document is a general guideline and should be customized based on specific manufacturer recommendations and repair procedures for the fuel transfer pump and turbo soak-back pumps being serviced. Bohr Electronics reserves the right to make, from time to time, such departures from the detail specifications as may be required to complete the repair.

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PERFORMANCE TESTING:

Perform break-in and long-term qualification diagnostic testing to ensure that products meet the desired standards and can withstand real-world rigors.

Ensure that all performance parameters are within the acceptable range specified by the manufacturer.

FINAL INSPECTION AND QUALITY ASSURANCE:

Perform a final inspection to ensure that all repairs have been completed correctly.

Verify that all connections, fasteners, and seals are secure and leak-free.

Conduct additional tests or inspections as needed to ensure the equipment meets the required performance standards.

Document the repair process, including any replaced parts, repairs performed, and testing results.

SAFETY PRECAUTIONS:

Adhere to all safety guidelines and procedures while performing repairs and maintenance tasks.

RECOMMENDATIONS:

Provide recommendations to the locomotive maintenance team for optimizing the performance and longevity of the fuel transfer pump and turbo soak-back pumps. Operation outside of these values is permitted (but within the absolute maximum ratings) often without any implied level of performance.

Suggest preventive maintenance schedules or procedures to minimize future breakdowns or failures.

WARRANTY: One (1) year standard

WHY BOHR ELECTRONICS

Since 1957, Bohr Electronics has been providing the rail industry with higher quality, more cost-effective, rapid repair and return services on in-cab electronics. The company also manufactures cables, cable harnesses, PTC, and testing equipment; inventories a long list of remanufactured items; maintains a UTEX program; and refurbishes electrical cabinets.

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