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› ZTUOAUMA Hydraulic Pump Assembly 708-2L-00400 for Komatsu PC200-8 PC220-8 Excavator User Manual

ZTUOAUMA 708-2L-00400

ZTUOAUMA Hydraulic Pump Assembly 708-2L-00400 User Manual

Model: 708-2L-00400 | Brand: ZTUOAUMA

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the ZTUOAUMA Hydraulic Pump Assembly, part number 708-2L-00400. This assembly is designed for compatibility with Komatsu PC200-8 and PC220-8 Excavators. Adhering to the guidelines in this manual will help ensure optimal performance and longevity of the hydraulic pump.



Image 1.1: An excavator, similar to those compatible with this hydraulic pump, loading material into a dump truck.

2. SAFETY INFORMATION

Always prioritize safety when working with hydraulic systems and heavy machinery. Failure to follow safety precautions can result in serious injury or equipment damage.

- **Qualified Personnel:** Installation and maintenance should only be performed by trained and qualified

personnel with experience in hydraulic systems and heavy equipment.

- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety glasses, gloves, and protective clothing.
- **Pressure Release:** Before servicing, ensure all hydraulic pressure in the system is safely released. High-pressure fluid can cause severe injury.
- **Hot Surfaces:** Hydraulic components can become very hot during operation. Allow sufficient time for cooling before handling.
- **Cleanliness:** Maintain a clean work environment to prevent contamination of hydraulic fluid, which can lead to system failure.
- **Fluid Handling:** Dispose of hydraulic fluids and waste materials according to local environmental regulations.

3. PRODUCT OVERVIEW

The ZTUOAUMA Hydraulic Pump Assembly 708-2L-00400 is a direct replacement component designed for specific Komatsu excavator models. It is supplied as a complete assembly to facilitate straightforward replacement.

Key Features:

- Part Number: 708-2L-00400
- Application Models: Compatible with Komatsu PC200-8 and PC220-8 Excavators
- Package includes a complete hydraulic pump assembly.
- Direct replacement with accurate dimensions, rigorously tested for durability.

Product Dimensions:

The approximate product dimensions are 55 x 35 x 35 inches.



Image 3.1: The ZTUOAUMA Hydraulic Pump Assembly 708-2L-00400.

4. SETUP AND INSTALLATION

Installation of a hydraulic pump assembly requires specialized knowledge and tools. It is strongly recommended that this procedure be performed by a certified technician.

- **Pre-Installation Check:** Before installation, verify that the part number 708-2L-00400 matches the requirements for your Komatsu PC200-8 or PC220-8 Excavator. It is advisable to compare the nameplate of your old pump with the specifications of this replacement part.
- **System Preparation:** Ensure the excavator's hydraulic system is depressurized and drained of fluid before removing the old pump.
- **Mounting:** Carefully mount the new hydraulic pump assembly, ensuring all connections are secure and properly aligned.
- **Fluid Replacement:** Refill the hydraulic system with the manufacturer-recommended hydraulic fluid, ensuring it meets the correct specifications and cleanliness standards.
- **Bleeding the System:** Follow the excavator manufacturer's procedure for bleeding air from the hydraulic system after installation to prevent cavitation and damage.
- **Initial Start-up:** Perform a controlled initial start-up and check for leaks, unusual noises, or abnormal operation.

5. OPERATING INSTRUCTIONS

Once the hydraulic pump assembly is correctly installed and the system is fully operational, the excavator can be used according to its standard operating procedures. The new pump should integrate seamlessly with the existing hydraulic system.

- **Monitor Performance:** During initial operation, closely monitor hydraulic pressure, temperature, and overall system response.
- **Fluid Levels:** Regularly check hydraulic fluid levels and top up as necessary.
- **Listen for Abnormalities:** Pay attention to any unusual noises or vibrations from the pump or hydraulic system, which could indicate a problem.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your hydraulic pump and the overall excavator hydraulic system.

- **Hydraulic Fluid:** Adhere to the excavator manufacturer's recommended schedule for hydraulic fluid changes. Use only specified fluid types.
- **Filters:** Replace hydraulic filters regularly as per the excavator's maintenance schedule to prevent contamination and protect the pump.
- **Leak Checks:** Periodically inspect all hydraulic lines, fittings, and the pump itself for any signs of leaks. Address leaks immediately.
- **Mounting Bolts:** Check the tightness of mounting bolts for the hydraulic pump and associated components.
- **Visual Inspection:** Conduct routine visual inspections for any signs of wear, damage, or corrosion on the pump and surrounding components.

7. TROUBLESHOOTING

This section provides general guidance for common issues. For detailed troubleshooting, refer to your excavator's service manual or consult a qualified technician.

Problem	Possible Cause	Action
Low Hydraulic Pressure	Low fluid level, clogged filter, internal pump wear, relief valve issue.	Check fluid level, replace filter, inspect pump for damage, check relief valve settings.
Excessive Noise from Pump	Air in system (cavitation), contaminated fluid, loose mounting, worn bearings.	Bleed air from system, change fluid/filters, tighten mounts, inspect for wear.
Overheating Hydraulic System	Low fluid level, clogged cooler, incorrect fluid viscosity, excessive load.	Check fluid level, clean cooler, verify fluid type, reduce load if possible.
Hydraulic Leaks	Loose fittings, damaged seals, cracked housing.	Tighten connections, replace damaged seals/hoses, inspect pump housing.

8. SPECIFICATIONS

Specification	Detail
Manufacturer	ZTUOAUMA
Part Number	708-2L-00400
Compatible Models	Komatsu PC200-8, PC220-8 Excavator
Product Dimensions	55 x 35 x 35 inches
Color	Gray
Included Components	Cast Iron (material)

9. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your ZTUOAUMA Hydraulic Pump Assembly, please refer to the official ZTUOAUMA brand store or contact their customer service directly.

You can visit the ZTUOAUMA Store on Amazon for more details and contact options.