

NC EX55

NC Oil Cooler for Hitachi Excavator EX55 User Manual

Model: EX55

1. INTRODUCTION

Welcome to the user manual for the NC Oil Cooler, specifically designed for the Hitachi Excavator EX55. This manual provides essential information regarding the installation, operation, maintenance, and troubleshooting of your new oil cooler. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.

2. PRODUCT OVERVIEW

The NC Oil Cooler is a high-quality replacement component engineered to maintain optimal oil temperatures in your Hitachi Excavator EX55, crucial for engine performance and lifespan. This cooler is built to meet or exceed original equipment specifications.

Key Features:

- Direct replacement for Hitachi Excavator EX55 oil cooler.
- Designed for efficient heat dissipation.

Compatibility:

This oil cooler is specifically compatible with the **Hitachi Excavator EX55**. The part number for this unit is **EX55**.

3. SAFETY INFORMATION

Always prioritize safety when working with heavy machinery and replacement parts. Failure to follow safety guidelines can result in serious injury or damage to equipment.

- Ensure the excavator is turned off, cooled down, and secured before beginning any work.
- Disconnect the battery to prevent accidental startup.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Be aware of hot surfaces and pressurized fluids.
- Dispose of old fluids and parts responsibly according to local regulations.

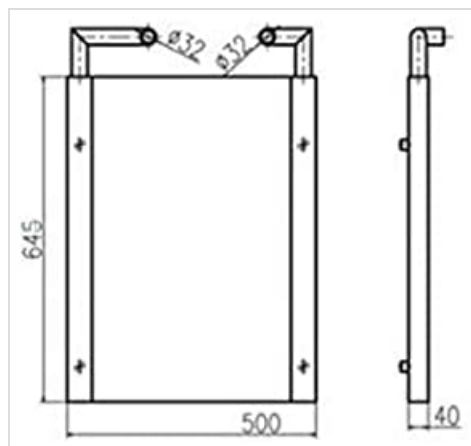
4. SETUP AND INSTALLATION

Before You Begin:

- Gather all necessary tools (wrenches, sockets, drain pans, etc.).
- Ensure you have new oil and any necessary gaskets or seals.
- Review the excavator's service manual for specific instructions related to oil cooler replacement.

Installation Steps:

1. Park the excavator on a level surface and engage the parking brake.
2. Allow the engine and hydraulic systems to cool completely.
3. Locate the existing oil cooler.
4. Place a drain pan underneath to collect any draining oil.
5. Carefully disconnect the oil lines from the old cooler. Be prepared for residual oil.
6. Remove the mounting bolts or clamps securing the old cooler.
7. Carefully remove the old oil cooler.
8. Inspect the mounting area for any damage or debris and clean as necessary.
9. Position the new NC Oil Cooler (EX55) into place.
10. Secure the new cooler with its mounting bolts/clamps, ensuring a snug fit.
11. Reconnect the oil lines to the new cooler, ensuring all connections are tight and leak-free.
12. Refill the system with the appropriate type and amount of oil as specified in your excavator's manual.
13. Start the excavator and check for any leaks. Monitor oil temperature and levels.



This image displays the NC Oil Cooler, a replacement part for the Hitachi Excavator EX55. It shows the overall shape and design of the cooler unit.



This technical drawing illustrates the key dimensions of the EX55 Oil Cooler. It shows a front view with a width of 500 units and a height of 645 units, and a side view indicating a thickness of 40 units. The inlet/outlet pipes have a diameter of 32 units.

5. OPERATING

Once installed, the oil cooler operates automatically as part of the excavator's engine and hydraulic cooling system. Ensure that the oil levels are always within the recommended range as per the excavator's manufacturer guidelines. Regularly monitor the oil temperature gauge during operation to ensure it remains within normal operating parameters.

6. MAINTENANCE

Proper maintenance of the oil cooler ensures its efficiency and extends its lifespan.

Routine Maintenance:

- **Regular Inspection:** Periodically inspect the oil cooler for any signs of leaks, damage, or corrosion. Check the integrity of the oil lines and connections.
- **Fin Cleaning:** Ensure the cooling fins are free from dirt, debris, and mud buildup, which can impede heat transfer.
- **Oil Quality:** Always use the recommended type and quality of engine oil and hydraulic fluid for your Hitachi Excavator EX55.

Cleaning:

To clean the oil cooler fins, use compressed air or a soft brush to remove loose debris. For stubborn dirt, a mild degreaser and water can be used, followed by a thorough rinse. Ensure the cooler is completely dry before resuming operation.

7. TROUBLESHOOTING

This section provides guidance on common issues you might encounter with your oil cooler.

Problem	Possible Cause	Solution
Oil Leakage	Loose connections, damaged seals/gaskets, cracked cooler.	Tighten connections, replace seals/gaskets, inspect cooler for damage and replace if necessary.
Overheating (High Oil Temp)	Clogged cooler fins, low oil level, internal blockage, faulty thermostat (if applicable).	Clean cooler fins, check and top up oil level, inspect for internal blockages, consult excavator manual for thermostat check.
Reduced Cooling Efficiency	Accumulation of dirt/debris on fins, internal contamination.	Clean external fins thoroughly. If internal contamination is suspected, professional inspection or replacement may be required.

8. TECHNICAL SPECIFICATIONS

Below are the technical specifications for the NC Oil Cooler (Model EX55):

Specification	Detail
Part Number	EX55
Applications	Hitachi Excavator EX55
Brand	NC
Item Model Number	EX55

Specification	Detail
Manufacturer	NC

9. WARRANTY INFORMATION

Specific warranty details for the NC Oil Cooler (Model EX55) are not provided in the product data. Please refer to your purchase documentation or contact the seller directly for information regarding warranty coverage and terms.

10. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding the NC Oil Cooler (Model EX55), please contact the seller or manufacturer through the contact information provided at the point of purchase. Specific customer support contact details are not available in this manual.