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- › [Kioti](#) /
- › [Kioti Hydraulic Filter Instruction Manual](#)

Kioti T4125-38021

Kioti Hydraulic Filter Instruction Manual

Model: T4125-38021

Brand: Kioti

INTRODUCTION

This manual provides essential information for the proper handling, installation, and maintenance of the Kioti Hydraulic Filter, Part # T4125-38021. This filter is designed to maintain the cleanliness of the hydraulic system in various Kioti tractor models, including DK35SEHC, NX5010H, DK55HSE, DK40HSE, NX6010CH, DK45HSE, DK50SEHC, DK50SEH, NX4510CH, NX5510H, DK35SEH, NX4510H, NX5510CH, NX6010H, DK40SEHC, DK45SEHC, DK55CHSE, and NX5010CH, as well as BOBCAT CT SERIES 335, 440, 445, and 450. Regular replacement of the hydraulic filter is crucial for the longevity and optimal performance of your equipment's hydraulic system.



Figure 1: Kioti Hydraulic Filter, Part # T4125-38021. This image shows the cylindrical, yellow hydraulic filter with "HST OIL FILTER T4125-38021" printed on its side. One end of the filter is visible, showing the threaded opening, which is protected by clear plastic packaging.

SETUP AND INSTALLATION

Before beginning the installation process, ensure the equipment is turned off and cooled down. Refer to your equipment's specific service manual for the exact location of the hydraulic filter and any model-specific instructions.

1. **Preparation:** Gather necessary tools, including a filter wrench, drain pan, and clean rags. Ensure you have the correct replacement filter (Kioti Part # T4125-38021).
2. **Drain Hydraulic Fluid:** Position the drain pan beneath the hydraulic system's drain plug. Carefully open the drain plug to allow the hydraulic fluid to drain completely. Consult your equipment manual for the correct fluid capacity and type.
3. **Remove Old Filter:** Locate the existing hydraulic filter. Use a filter wrench to loosen and remove the old filter. Be prepared for residual fluid to spill.
4. **Clean Mounting Surface:** Thoroughly clean the filter mounting surface on the equipment, ensuring no old gasket material or debris remains.
5. **Prepare New Filter:** Apply a thin film of clean hydraulic fluid to the new filter's gasket. This helps ensure a proper seal.
6. **Install New Filter:** Thread the new Kioti hydraulic filter onto the mounting base by hand until the gasket makes contact with the mounting surface. Then, tighten the filter an additional 3/4 to 1 full turn. Do not overtighten, as this can damage the filter or mounting threads.
7. **Refill Hydraulic System:** Close the drain plug and refill the hydraulic system with the recommended type and amount of new hydraulic fluid.
8. **Check for Leaks:** Start the equipment and allow it to run for a few minutes. Check for any leaks around the new filter. Turn off the equipment and recheck the hydraulic fluid level, adding more if necessary.

OPERATING CONSIDERATIONS

Once installed, the hydraulic filter operates continuously to remove contaminants from the hydraulic fluid. Proper operation of your equipment relies on a clean hydraulic system. While the filter itself does not require active "operation" by the user, monitoring the hydraulic system's performance is key.

- **Fluid Cleanliness:** The filter ensures the hydraulic fluid remains free of particles that can cause wear and damage to hydraulic components such as pumps, valves, and cylinders.
- **System Performance:** A clean hydraulic system translates to smooth and efficient operation of hydraulic implements and controls.
- **Pressure Monitoring:** Some equipment may have a hydraulic pressure gauge or indicator. A significant drop in hydraulic pressure or sluggish hydraulic function can indicate a clogged filter.

MAINTENANCE

Regular maintenance of your hydraulic filter is critical for the longevity and reliability of your Kioti equipment. Adhere to the manufacturer's recommended service intervals.

- **Replacement Schedule:** Refer to your specific Kioti tractor or Bobcat equipment owner's manual for the recommended hydraulic filter replacement intervals. These intervals are typically based on operating hours or calendar time, whichever comes first.
- **Fluid Change:** It is generally recommended to replace the hydraulic filter whenever the hydraulic fluid is changed.
- **Inspection:** During routine maintenance checks, visually inspect the filter and surrounding area for any signs of leaks or damage.
- **Genuine Parts:** Always use genuine Kioti replacement parts, such as the T4125-38021 filter, to ensure compatibility and optimal performance.

TROUBLESHOOTING

If you experience issues with your hydraulic system, the filter may be a contributing factor. Here are common issues and potential solutions related to the hydraulic filter:

Symptom	Possible Cause (Filter Related)	Solution
Sluggish or Weak Hydraulic Function	Clogged or restricted hydraulic filter.	Replace the hydraulic filter. Check hydraulic fluid level and condition.
Unusual Noises from Hydraulic Pump	Filter restriction causing cavitation or strain on the pump.	Replace the hydraulic filter immediately. Inspect hydraulic lines for blockages.
Hydraulic Fluid Leaks Around Filter	Improperly installed filter, damaged gasket, or overtightened filter.	Ensure filter is tightened correctly. Replace filter if gasket is damaged. Clean mounting surface.
Frequent Filter Clogging	Contaminated hydraulic fluid or severe internal system wear.	Perform a complete hydraulic fluid flush and replacement. Investigate source of contamination or wear.

If troubleshooting steps do not resolve the issue, consult a certified technician or your equipment dealer.

SPECIFICATIONS

- **Part Number:** T4125-38021
- **Type:** Hydraulic Filter (Hydrostat Filter)
- **Brand:** Kioti
- **Manufacturer:** DAEDONG
- **Compatibility:**
 - Kioti Tractors: DK35SEHC, NX5010H, DK55HSE, DK40HSE, NX6010CH, DK45HSE, DK50SEHC, DK50SEH, NX4510CH, NX5510H, DK35SEH, NX4510H, NX5510CH, NX6010H, DK40SEHC, DK45SEHC, DK55CHSE, NX5010CH
 - BOBCAT CT Series: 335, 440, 445, 450
- **Function:** Filters contaminants from hydraulic fluid to protect hydraulic system components.



For further assistance, please contact your authorized Kioti or Bobcat dealer.

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