

Wix 51724

Wix Hydraulic Filter 51724 Instruction Manual

Model: 51724

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Wix Hydraulic Filter, Model 51724. Adhering to these instructions will help ensure optimal performance and longevity of the filter and the hydraulic system it protects. Please read this manual thoroughly before proceeding with any installation or maintenance.

2. PRODUCT OVERVIEW

The Wix Hydraulic Filter 51724 is designed to provide superior filtration for hydraulic systems, protecting critical components from contaminants. This spin-on filter is constructed with high-quality paper media, ensuring efficient removal of particles and maintaining system cleanliness.



Figure 1: Wix Hydraulic Filter 51724. This image displays two views of the filter: one lying on its side, showing the threaded opening and internal filter media, and another standing upright, showing its cylindrical shape.

Key features include:

- Efficient hydraulic fluid filtration.
- Durable construction for reliable performance.
- Spin-on design for ease of installation and replacement.
- Designed for vehicle-specific fit in compatible hydraulic systems.

3. SAFETY INFORMATION

Always observe the following safety precautions when working with hydraulic systems and filters:

- **Wear appropriate personal protective equipment (PPE)**, including safety glasses and gloves, to protect against hydraulic fluid exposure and potential injury.
- **Ensure the hydraulic system is depressurized** and cooled before attempting any filter replacement or maintenance. High-pressure hydraulic fluid can cause severe injury.
- **Refer to the vehicle or equipment manufacturer's service manual** for specific safety procedures and instructions related to your hydraulic system.
- **Dispose of used filters and hydraulic fluid responsibly** according to local environmental regulations.
- **Avoid skin contact with hydraulic fluid.** If contact occurs, wash thoroughly with soap and water.

4. INSTALLATION (SETUP)

Follow these general steps for installing the Wix Hydraulic Filter 51724. Always consult your equipment's service manual for precise, model-specific instructions.

1. **Prepare the System:** Ensure the hydraulic system is shut down, depressurized, and cooled. Place a drain pan beneath the filter housing to catch any fluid spillage.
2. **Remove Old Filter:** Using an appropriate filter wrench, carefully loosen and remove the old hydraulic filter. Be prepared for some fluid to drain.
3. **Clean Mounting Surface:** Thoroughly clean the filter mounting base, ensuring no old gasket material or debris remains.
4. **Lubricate Gasket:** Apply a thin film of clean hydraulic fluid to the new filter's gasket. This aids in proper sealing and removal.
5. **Install New Filter:** Thread the new Wix 51724 filter onto the mounting base by hand until the gasket contacts the base.
6. **Tighten Filter:** Tighten the filter according to the instructions printed on the filter body or as specified in your equipment's service manual (typically 3/4 to 1 full turn after gasket contact). Do not overtighten.
7. **Refill and Bleed System:** Refill the hydraulic reservoir with the recommended fluid. Start the equipment and operate the hydraulic system to circulate fluid and bleed any trapped air. Check for leaks.
8. **Check Fluid Level:** After bleeding, recheck the hydraulic fluid level and top off if necessary.

5. OPERATION

The Wix Hydraulic Filter 51724 operates passively within the hydraulic system, continuously filtering the fluid as it circulates. Proper operation is indicated by consistent hydraulic system performance. There are no active controls for the filter itself.

Regularly monitor your hydraulic system's performance and fluid condition. Any noticeable changes in hydraulic function or unusual noises may indicate a need for inspection or filter replacement.

6. MAINTENANCE

The primary maintenance for the Wix Hydraulic Filter 51724 is timely replacement. The service life of a hydraulic filter depends on operating conditions, fluid cleanliness, and equipment manufacturer recommendations.

- **Replacement Interval:** Always follow the hydraulic system manufacturer's recommended filter change intervals. If no specific interval is provided, a general guideline is to replace the filter every 500-1000 operating hours or annually, whichever comes first.
- **Fluid Analysis:** Consider periodic hydraulic fluid analysis to determine the actual condition of the fluid and the effectiveness of the filtration, which can help optimize filter change intervals.
- **Visual Inspection:** During routine equipment checks, visually inspect the filter for any signs of damage, leaks, or corrosion.

7. TROUBLESHOOTING

Issues related to a hydraulic filter are typically symptoms of a clogged filter or improper installation. If you experience any of the following, consider inspecting or replacing the filter:

- **Reduced Hydraulic Performance:** Slow or sluggish hydraulic functions, or a noticeable decrease in power, can indicate a restricted (clogged) filter.
- **Increased System Temperature:** A severely clogged filter can cause increased back pressure, leading to higher fluid temperatures.
- **Unusual Noises:** Whining or groaning sounds from the hydraulic pump may suggest it is struggling due to a restricted filter.
- **Leaks Around Filter:** If fluid is leaking from around the filter, it may be improperly tightened, the gasket may be damaged, or the mounting surface may be unclean. Re-check installation steps.

If troubleshooting these steps does not resolve the issue, consult a qualified hydraulic technician or your equipment's service manual.

8. SPECIFICATIONS

Brand	Wix
Model Number	51724
Product Type	Hydraulic Filter (Spin-On)
Material	Paper
Thread Size	M16 x 1.5
Item Dimensions (L x W x H)	9 x 4.1 x 4 inches (22.86 x 10.41 x 10.16 cm)
Item Weight	1.5 Pounds (0.68 kg)
OEM Part Number	51724
UPC	765809517240
Automotive Fit Type	Vehicle Specific Fit

9. WARRANTY AND SUPPORT

Information regarding the specific warranty terms for the Wix Hydraulic Filter 51724 is not provided within this manual. For warranty details, technical support, or further assistance, please contact Wix Filters directly or refer to their official website. Always retain your proof of purchase for warranty claims.