

Wix 51663

WIX Filters 51663 Heavy Duty Spin-On Hydraulic Filter Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the WIX Filters 51663 Heavy Duty Spin-On Hydraulic Filter. Adhering to these instructions will help ensure optimal performance and longevity of your hydraulic system.

2. SAFETY INFORMATION

WARNING:

- Always wear appropriate personal protective equipment (PPE) such as gloves and eye protection when handling hydraulic fluids and components.
- Hydraulic systems operate under high pressure. Depressurize the system completely before attempting any maintenance or filter replacement.
- Hot hydraulic fluid can cause severe burns. Allow the system to cool before servicing.
- Dispose of used filters and fluids according to local environmental regulations.
- Ensure the vehicle or equipment is securely supported and cannot move unexpectedly during service.

3. PRODUCT OVERVIEW

The WIX 51663 is a heavy-duty spin-on hydraulic filter designed to remove particle contaminants from hydraulic fluid, ensuring clean operation and protecting hydraulic system components from wear and abrasion. It features a design that provides a linear path for low flow restriction.

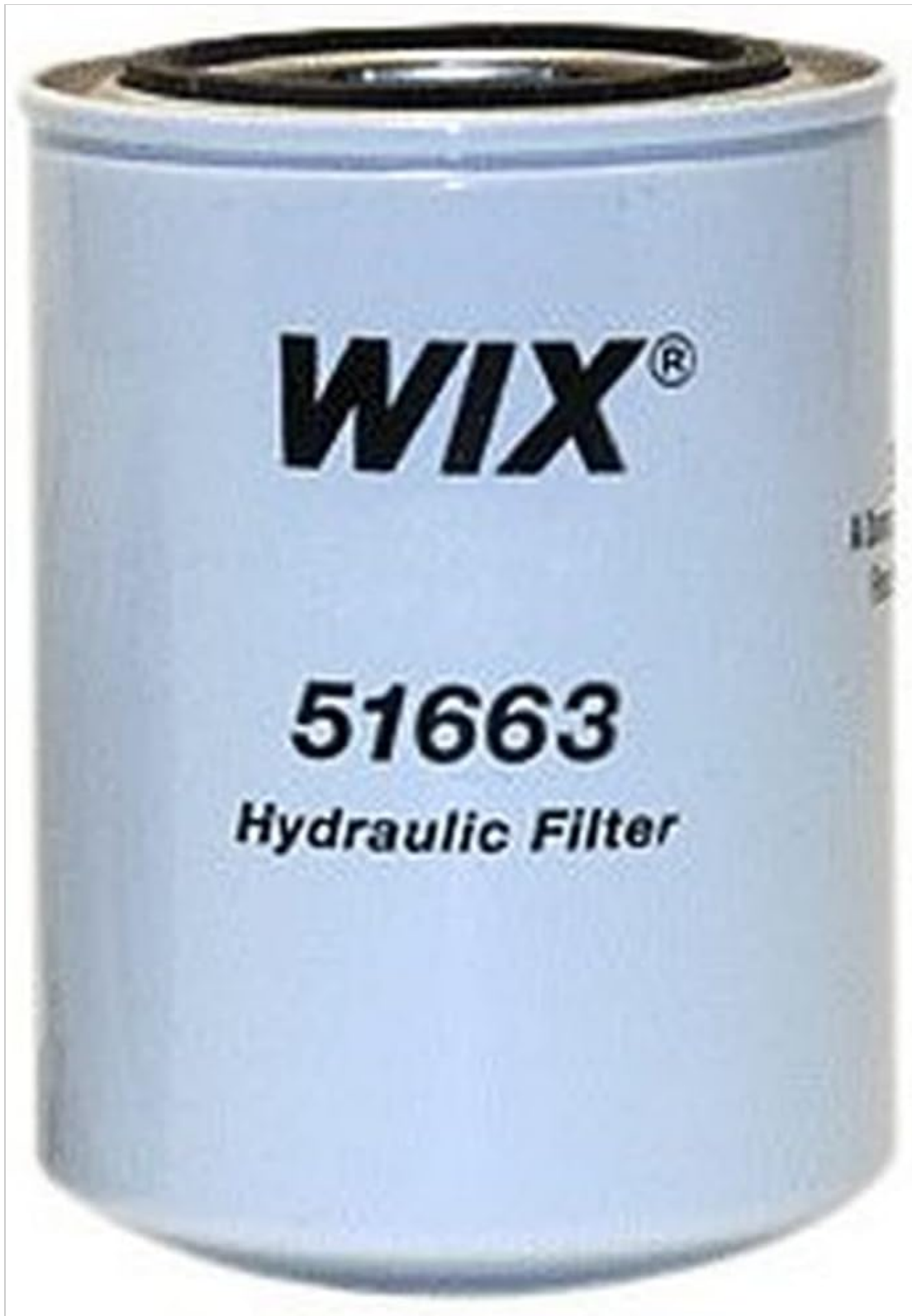


Image: The WIX 51663 Heavy Duty Spin-On Hydraulic Filter, a cylindrical component with the WIX logo and model number printed on its side. This filter is designed for efficient contaminant removal in hydraulic systems.

4. INSTALLATION INSTRUCTIONS

1. **Preparation:** Ensure the hydraulic system is turned off and depressurized. Place a drain pan beneath the filter housing to catch any fluid spillage.
2. **Remove Old Filter:** Unscrew the old hydraulic filter counter-clockwise. Be prepared for some fluid to drain.
3. **Clean Mounting Surface:** Thoroughly clean the filter mounting base to remove any old gasket material or debris.
4. **Lubricate Gasket:** Apply a thin film of clean hydraulic fluid to the new filter's gasket. This ensures a proper seal and

aids in future removal.

- 5. **Install New Filter:** Screw the WIX 51663 filter onto the mounting base clockwise until the gasket contacts the base. Then, tighten an additional 3/4 to 1 full turn, or as specified by the equipment manufacturer. Do not overtighten.
- 6. **Check Fluid Level:** After installation, refill the hydraulic reservoir to the appropriate level with the recommended hydraulic fluid.
- 7. **Inspect for Leaks:** Start the equipment and operate the hydraulic system briefly. Check for any leaks around the new filter. If leaks are present, shut down the system, depressurize, and re-tighten the filter slightly.

5. OPERATION AND MAINTENANCE

The WIX 51663 hydraulic filter operates continuously to clean your hydraulic fluid. Proper maintenance is crucial for system health.

Filter Replacement Schedule:

- Refer to your equipment manufacturer's service manual for recommended hydraulic filter change intervals.
- Factors such as operating environment, fluid contamination levels, and hours of operation can influence the need for more frequent filter changes.
- A clogged filter can restrict fluid flow, leading to reduced system performance and potential damage to hydraulic components.

Disposal:

Used hydraulic filters contain contaminated fluid and should be disposed of responsibly according to local environmental regulations. Do not discard with general waste.

6. TROUBLESHOOTING

If you experience issues with your hydraulic system after filter replacement, consider the following:

- **Reduced Hydraulic Performance:** Ensure the filter is correctly installed and not overtightened. Check the hydraulic fluid level. If the issue persists, the filter may be clogged prematurely due to severe system contamination, or there may be another issue with the hydraulic system.
- **Leaks Around Filter:** Verify the filter is tightened correctly and the gasket is properly seated and lubricated. Ensure the mounting surface is clean and free of damage.
- **Unusual Noises:** Air in the hydraulic system or a severely restricted filter can cause unusual noises. Bleed the system if necessary and check filter condition.

For persistent or complex issues, consult a qualified hydraulic system technician or your equipment manufacturer's service manual.

7. SPECIFICATIONS

Brand:	Wix
Model Number:	51663
Material:	Paper
Product Grade:	Replacement Part

Item Dimensions (L x W x H):	3.9 x 3.9 x 5.3 inches
Outside Diameter:	3.9 Inches
Thread Size:	M24 x 2.0
Item Weight:	0.01 Ounces
OEM Part Number:	51663
UPC:	765809516632

8. WARRANTY AND SUPPORT

For information regarding product warranty or technical support, please contact WIX Filters directly through their official website or customer service channels. Always refer to the specific warranty terms provided with your purchase. For additional resources and product information, you may visit the [WIX Filters official website](#).

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