

## Wix 51740

# WIX Filters 51740 Heavy Duty Spin-On Hydraulic Filter User Manual

**Brand:** Wix  
**Model:** 51740

## 1. INTRODUCTION

---

This manual provides essential information for the proper installation, operation, and maintenance of your WIX Filters 51740 Heavy Duty Spin-On Hydraulic Filter. Adhering to these instructions will help ensure optimal performance and longevity of the filter and the hydraulic system it protects.

## 2. PRODUCT OVERVIEW

---

The WIX 51740 is a heavy-duty spin-on hydraulic filter designed to protect hydraulic systems from contaminants. It features a durable construction and efficient filtration media.



Image showing the WIX 51740 hydraulic filter, a cylindrical unit with a threaded base for spin-on installation, accompanied by a black O-ring.

### Key Features:

- Heavy-duty construction for demanding applications.
- Spin-on design for ease of installation and replacement.
- Efficiently removes contaminants from hydraulic fluid.
- Designed for vehicle-specific fit in truck applications.

## 3. INSTALLATION INSTRUCTIONS

### Safety Precautions:

- Ensure the hydraulic system is depressurized and cooled before beginning installation.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Refer to your equipment's service manual for specific hydraulic system procedures.

### Procedure:

1. **Locate the Old Filter:** Identify the existing hydraulic filter on your equipment.
2. **Prepare for Removal:** Place a drain pan beneath the filter to catch any fluid spillage.
3. **Remove Old Filter:** Unscrew the old filter counter-clockwise. Dispose of the old filter and its contents responsibly.
4. **Clean Mounting Surface:** Thoroughly clean the filter mounting base, ensuring no old gasket material remains.

5. **Lubricate Gasket:** Apply a thin film of clean hydraulic fluid to the new filter's O-ring gasket.
6. **Install New Filter:** Screw the new WIX 51740 filter onto the mounting base clockwise until the gasket contacts the base.
7. **Tighten Filter:** Tighten the filter an additional 3/4 to 1 full turn after gasket contact, or as specified by equipment manufacturer. Do not overtighten.
8. **Refill Hydraulic System:** Add hydraulic fluid to the system as required, ensuring proper fluid level.
9. **Check for Leaks:** Start the equipment and operate the hydraulic system. Inspect for any leaks around the new filter.

## 4. OPERATION

---

The WIX 51740 hydraulic filter operates passively within your hydraulic system, continuously filtering the fluid as it circulates. Its primary function is to remove particulate contaminants, preventing wear and damage to hydraulic components such as pumps, valves, and cylinders. No user intervention is required during normal operation.

## 5. MAINTENANCE

---

Regular filter replacement is crucial for maintaining the efficiency and longevity of your hydraulic system.

### Filter Replacement Interval:

- Refer to your equipment manufacturer's recommendations for specific hydraulic filter replacement intervals.
- Typical replacement intervals can range from 250 to 1000 operating hours, or annually, depending on the application and operating conditions.
- Replace the filter immediately if a pressure differential indicator suggests clogging, or if fluid contamination is suspected.

### Replacement Procedure:

Follow the "Installation Instructions" outlined above for replacing the filter with a new WIX 51740 unit.

## 6. TROUBLESHOOTING

---

This section addresses common issues related to hydraulic filters.

Symptom	Possible Cause	Solution
<b>Fluid Leakage Around Filter</b>	Improperly tightened filter, damaged O-ring, dirty mounting surface.	Ensure filter is tightened correctly. Replace filter if O-ring is damaged. Clean mounting surface thoroughly before installation.
<b>Reduced Hydraulic System Performance</b>	Clogged filter, incorrect filter type.	Replace the filter. Verify that the correct WIX 51740 filter is installed for your application.
<b>Filter Difficult to Install/Remove</b>	Overtightened previous filter, damaged threads, old O-ring hardened.	Ensure proper tightening during installation. Inspect threads for damage. Lubricate new O-ring before installation.

## 7. SPECIFICATIONS

Attribute	Value
Brand	Wix
Model Number	51740
Material	Paper
Product Grade	Replacement Part
Vehicle Service Type	Truck
Item Dimensions (L x W x H)	7.1 x 5.3 x 5.3 inches
Outside Diameter	5.3 Inches
Item Weight	1.5 Pounds
OEM Part Number	51740
UPC	765809517400

## 8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your WIX Filters 51740, please contact Wix customer service directly or refer to the official Wix website. Specific warranty terms may vary based on region and purchase location.

**Wix Official Website:** [www.wixfilters.com](http://www.wixfilters.com)

