

## Donaldson P534925

# Donaldson P534925 Air Filter Instruction Manual

Primary Type, Radialseal Style, Cellulose Media

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## 1. INTRODUCTION

This instruction manual provides essential information for the proper handling, installation, and maintenance of your Donaldson P534925 Air Filter. The Donaldson P534925 is a primary type air filter featuring a Radialseal style and cellulose media, designed for vehicle-specific applications. Donaldson DuraLite air cleaners, including this filter, are engineered to be robust, non-metallic, lightweight, self-supporting, and completely disposable, ensuring efficient filtration and protection for your engine.



*Figure 1: Donaldson P534925 Air Filter. This image shows the cylindrical air filter with its black rubber seals, ready for installation.*

## 2. SAFETY INFORMATION

Always observe the following safety precautions when handling or installing the air filter:

- Ensure the engine is turned off and cooled down before attempting any installation or maintenance.
- Wear appropriate personal protective equipment, such as gloves and eye protection, to prevent injury.
- Avoid dropping the filter, as this can cause damage to the sealing surfaces or filter media.
- Dispose of used filters according to local environmental regulations.
- Refer to your vehicle or equipment's service manual for specific safety instructions related to the air intake system.

### 3. INSTALLATION INSTRUCTIONS

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Follow these general steps for installing the Donaldson P534925 Air Filter. Always consult your vehicle or equipment's specific service manual for detailed instructions.

1. **Locate the Air Filter Housing:** Identify the air filter housing, typically found under the hood of a vehicle or within the engine compartment of equipment.
2. **Open the Housing:** Unlatch or unbolt the air filter housing cover. Carefully remove the cover.
3. **Remove the Old Filter:** Extract the old air filter. Note its orientation for correct installation of the new filter.
4. **Clean the Housing:** Inspect the inside of the air filter housing for any debris, dust, or foreign objects. Clean thoroughly with a damp cloth, ensuring no particles fall into the air intake duct.
5. **Install the New Filter:** Insert the new Donaldson P534925 Air Filter into the housing, ensuring the Radialseal style gasket is properly seated and forms a tight seal. The filter should fit snugly without forcing.
6. **Secure the Housing:** Replace the air filter housing cover and secure all latches or bolts. Ensure the housing is completely sealed to prevent unfiltered air from entering the engine.
7. **Verify Installation:** Double-check all connections and ensure the filter is securely in place before operating the engine.



*Figure 2: An assortment of Donaldson filtration products. This image illustrates the variety of filters produced by Donaldson, emphasizing the importance of selecting the correct filter for your application.*

### 4. OPERATING PRINCIPLES

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The Donaldson P534925 Air Filter is a passive component designed to protect your engine by filtering airborne contaminants. Once correctly installed, it operates continuously whenever the engine is running, drawing in air and trapping dust, dirt, pollen, and other particles before they can enter the engine's combustion chambers. This ensures a clean air supply, which is crucial for optimal engine performance, fuel efficiency, and longevity. No user interaction is required during operation.

### 5. MAINTENANCE

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Regular inspection and timely replacement of your air filter are critical for maintaining engine health and performance.

- **Inspection:** Periodically inspect the air filter for signs of dirt accumulation, damage, or moisture. The frequency of inspection depends on operating conditions (e.g., dusty environments require more frequent checks).
- **Replacement Schedule:** Replace the Donaldson P534925 Air Filter according to your vehicle or equipment manufacturer's recommendations, typically found in the owner's manual. As a general guideline, air filters are often replaced every 12,000 to 15,000 miles or annually, but this can vary significantly based on usage and environmental factors.
- **Signs of a Clogged Filter:** Indicators that your air filter may need replacement include reduced engine power, decreased fuel efficiency, unusual engine noises, or the illumination of a "check engine" light.

### 6. TROUBLESHOOTING

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If you experience issues related to air filtration, consider the following:

Symptom	Possible Cause	Solution
Reduced Engine Performance	Clogged or dirty air filter restricting airflow.	Inspect and replace the air filter if necessary.
Decreased Fuel Efficiency	Engine working harder due to insufficient air intake.	Replace the air filter.
Visible Dirt or Debris in Air Intake	Improperly installed filter or damaged filter housing.	Re-install filter correctly, ensuring a tight seal. Inspect housing for damage. Replace filter if damaged.
Unusual Engine Noises	Could indicate a severe restriction or air leak.	Check filter installation and housing integrity. Consult a qualified mechanic if issues persist.

## 7. PRODUCT SPECIFICATIONS

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<b>Brand</b>	Donaldson
<b>Model Number</b>	P534925
<b>OEM Part Number</b>	P534925
<b>Global Trade Identification Number (GTIN)</b>	00742330039663
<b>Product Dimensions</b>	25.44 x 13.07 x 25.44 inches
<b>Item Weight</b>	12.24 pounds
<b>Filter Type</b>	Primary Type
<b>Seal Style</b>	Radialseal
<b>Media Type</b>	Cellulose
<b>Automotive Fit Type</b>	Vehicle Specific Fit

## 8. WARRANTY AND SUPPORT

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**Warranty Information:** This Donaldson product is covered by the manufacturer's standard warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Donaldson website. Keep your proof of purchase for warranty claims.

**Customer Support:** For technical assistance, product inquiries, or support, please contact Donaldson customer service through their official website or the contact information provided with your product. When contacting support, please have your product model number (P534925) and purchase details readily available.

