

ACDelco PF63

ACDelco Professional PF63 Engine Oil Filter

Instruction Manual

1. INTRODUCTION

The ACDelco Professional PF63 Engine Oil Filter is engineered to provide superior filtration and protection for your vehicle's engine. Manufactured from quality materials, this filter is designed for durability and excellent performance, ensuring clean oil circulation and contributing to engine longevity. Always refer to your vehicle's service manual for specific maintenance requirements and procedures.

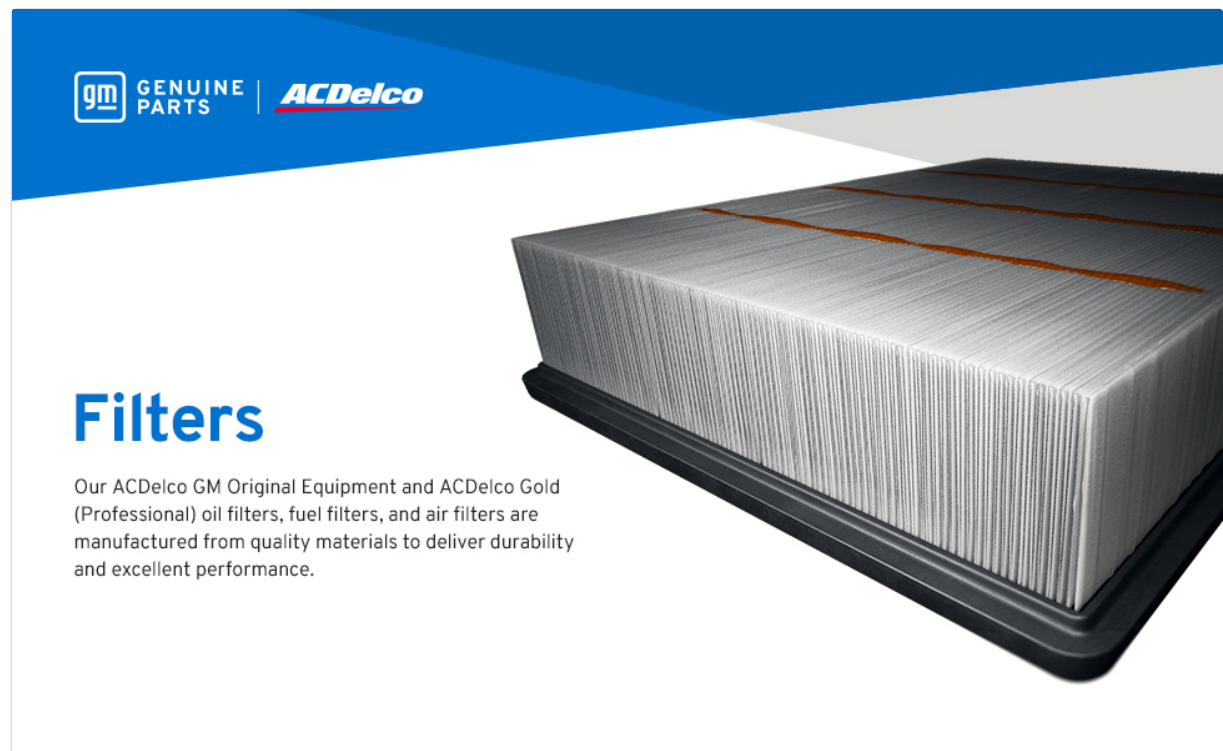


Image 1.1: ACDelco Filters overview, highlighting quality materials for durability and performance.

2. SAFETY INFORMATION

Before performing any maintenance on your vehicle, observe the following safety precautions:

- Always consult your vehicle's official service manual for specific instructions and safety warnings.
- Wear appropriate personal protective equipment, including safety glasses and gloves, to prevent injury.

- Ensure the engine is cool before beginning work to avoid burns from hot engine components or oil.
- Properly support the vehicle using jack stands if lifting is required. Never rely solely on a jack.
- Dispose of used engine oil and oil filters responsibly according to local environmental regulations.

3. INSTALLATION INSTRUCTIONS

Follow these general steps for replacing your engine oil filter. Specific procedures may vary by vehicle model; always refer to your vehicle's service manual.

1. **Prepare the Vehicle:** Park the vehicle on a level surface, engage the parking brake, and ensure the engine is cool. If necessary, lift the vehicle and secure it with jack stands.
2. **Drain Engine Oil:** Place a suitable drain pan beneath the oil drain plug. Remove the drain plug and allow all old engine oil to drain completely. Reinstall the drain plug with a new washer (if required) and tighten to the manufacturer's specified torque.
3. **Remove Old Oil Filter:** Position the drain pan under the oil filter. Use an appropriate oil filter wrench to loosen and remove the old filter. Be prepared for residual oil to drain out.
4. **Prepare New Oil Filter:** Take the new ACDelco Professional PF63 oil filter. Apply a thin film of new engine oil to the rubber gasket of the new filter. This ensures a proper seal and prevents damage during installation.
5. **Install New Oil Filter:** Carefully thread the new filter onto the engine by hand. Once the gasket makes contact with the engine block, tighten the filter an additional 3/4 to 1 full turn, or as specified by your vehicle manufacturer. **Do not overtighten.**
6. **Refill Engine Oil:** Remove the engine oil filler cap and add the recommended type and quantity of new engine oil as specified in your vehicle's service manual.
7. **Check for Leaks:** Start the engine and let it run for a few minutes. Check for any oil leaks around the new filter and the drain plug. Turn off the engine and check the oil level on the dipstick, adding more oil if necessary.



Image 3.1: The ACDelco Professional PF63 Engine Oil Filter, ready for installation.

4. OPERATING PRINCIPLE

The ACDelco Professional PF63 Engine Oil Filter functions by removing contaminants from the engine oil. As oil circulates through the engine, it picks up debris such as metal particles, dirt, and sludge. The filter's media traps these impurities, preventing them from recirculating and causing wear to critical engine components. This continuous filtration ensures that clean oil lubricates the engine, maintaining optimal performance and extending engine life.

The Strength of Nylon

Because contaminated oil can lead to engine erosion and failure, finding a filter that is strong to the core is imperative to preventing potential problems.

That's why ACDelco GM OE Oil Filters utilize components such as glass-filled nylon for higher strength and greater flow. Glass-filled nylon cores are 6 to 12 percent smaller in size, while maintaining the same filtration media when compared with traditional filters. This design can capture particles down to 30 microns.

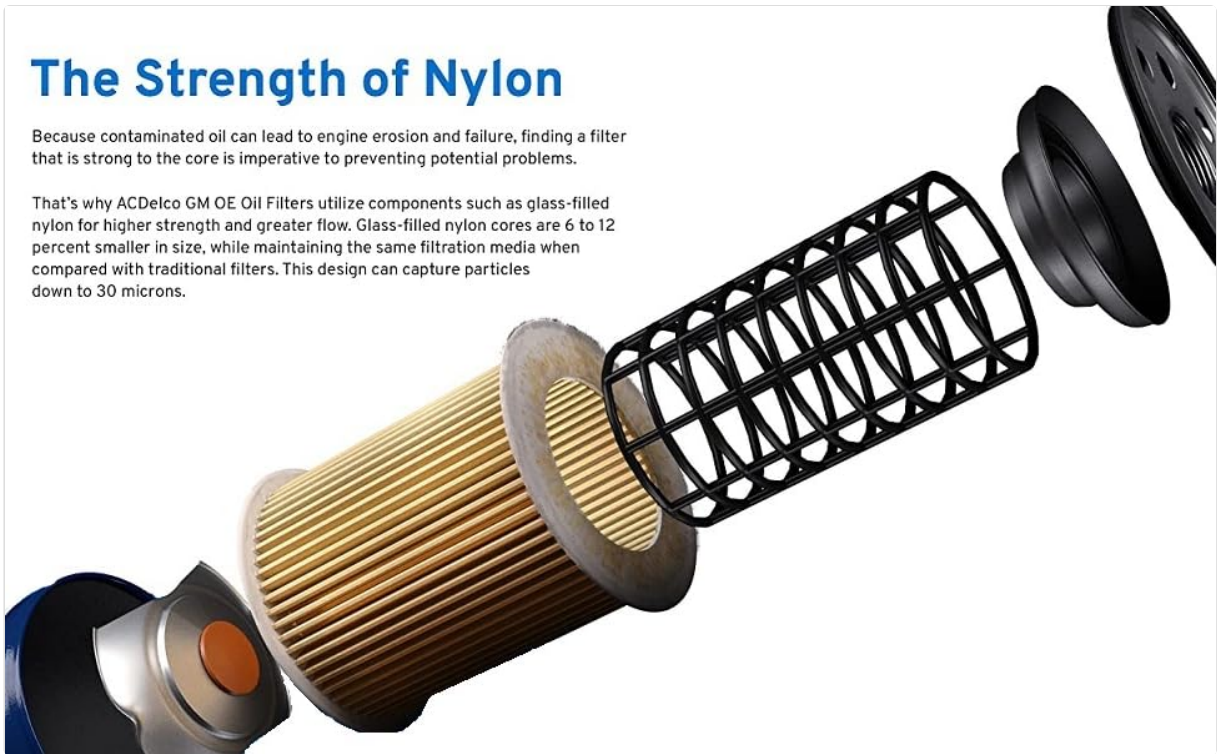


Image 4.1: Cutaway view illustrating the internal structure and filtration media of an oil filter, designed to capture particles down to 30 microns.

5. MAINTENANCE AND REPLACEMENT

Regular oil filter replacement is crucial for maintaining engine health. The ACDelco Professional PF63 oil filter should be replaced at intervals recommended by your vehicle manufacturer. These intervals typically range from 3,000 to 10,000 miles or every 3 to 12 months, depending on your vehicle and driving conditions. Always replace the oil filter whenever you change your engine oil.

6. TROUBLESHOOTING

While oil filters are generally reliable, issues can arise during or after installation:

- **Oil Leakage:** If oil leaks are observed after installation, immediately turn off the engine. Check that the oil filter is tightened correctly and that the gasket is properly seated and not pinched or damaged. Ensure the old gasket was removed from the engine block.
- **Low Oil Pressure Warning:** If a low oil pressure warning light illuminates after an oil change, stop the engine immediately. Check the oil level and ensure the filter is correctly installed. A severely clogged filter (unlikely with a new filter) could restrict oil flow, but this is rare. Consult a qualified mechanic if the issue persists.

7. SPECIFICATIONS

Key specifications for the ACDelco Professional PF63 Engine Oil Filter:

Brand	ACDelco
Model	PF63
OEM Part Number	89017525

Material	Paper, Stainless Steel
Thread Size	M22X1.5mm
Dimensions (L x W x H)	5.1 x 3.4 x 3.4 inches
Item Weight	8.4 ounces
Vehicle Service Type	Car, Truck

Internal components and design features include:

- High-Strength Thread Plate with gasket retainer
- Cellulose/Synthetic Blend Filter Media
- High-Strength Spiral Louvered Core
- High-Temperature Nitrile Sealing Gasket
- Anti-Drainback Valve (High-Temperature AEM Material)
- Tin-plated Shell and End Caps

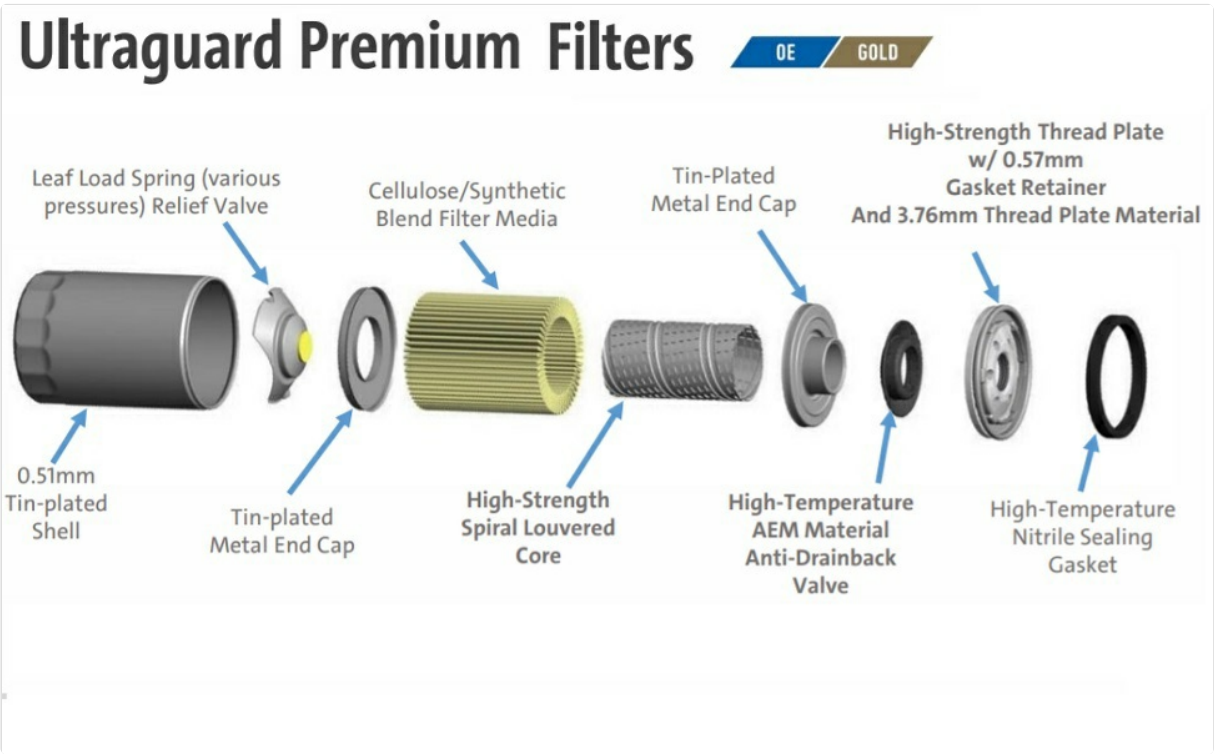


Image 7.1: Exploded view of an ACDelco Ultraguard Premium Filter, detailing its various components and materials.

8. WARRANTY INFORMATION

For detailed warranty information regarding the ACDelco Professional PF63 Engine Oil Filter, please refer to the official ACDelco website or the warranty documentation included with your purchase. Warranty terms and conditions may vary.

9. CUSTOMER SUPPORT

Should you require further assistance, have questions about installation, or need to report a product issue, please contact ACDelco customer support. You can find contact information and additional resources on the official ACDelco website: www.acdelco.com.

