EDUCATION

Ac Delco Oil Filter Cross Reference Guide

Published: November 20, 2026 | Index ID: #-

Introduction: Why the AC Delco Oil Filter Cross Reference Matters

When it comes to maintaining your vehicle's engine, few components are as critical as the oil filter. It traps contaminants, metal particles, and sludge, ensuring that clean oil circulates through the moving parts. Among the many brands available, AC Delco stands as a trusted name, particularly for General Motors vehicles. However, there may come a time when an AC Delco filter is not readily available — or perhaps you are looking for a more affordable alternative without sacrificing quality. That is exactly where the **AC Delco Oil Filter Cross Reference** becomes invaluable. By understanding how to cross-reference filters, you can confidently choose compatible substitutes from brands like Fram, Mobil 1, Bosch, Wix, or Purolator while maintaining the same thread size, bypass valve pressure, and filtration efficiency. This article will walk you through everything you need to know: the basics of oil filter cross-referencing, why AC Delco filters are respected, how to read a cross-reference chart, and practical tips for selecting the right filter for your engine.

Understanding Oil Filter Specifications

Before diving into specific AC Delco model numbers and their equivalents, it's essential to grasp the key specifications that make an oil filter compatible. The **AC Delco Oil Filter Cross Reference** is only reliable if you understand the underlying dimensions and performance characteristics.

Thread Size and Gasket Diameter

The first thing to check is the thread size — most standard spin-on oil filters use either 3/4"-16 or 20mm thread. The gasket diameter (the rubber ring that seals the filter against the engine block) must also match. AC Delco filters are manufactured to precise GM specifications, so the cross-reference must verify these physical measurements.

Bypass Valve Pressure

Every oil filter has a bypass valve that opens when the filter becomes clogged or when oil viscosity is high (e.g., cold starts). The pressure at which this valve opens varies by engine design. Using a filter with an incorrect bypass valve setting can lead to unfiltered oil circulating in the engine or inadequate oil flow. AC Delco typically uses bypass valve pressures that align with GM engineering, making it crucial to find a replacement that matches.

Anti-Drain Back Valve

Most spin-on filters include an anti-drain back valve, usually made of silicone, rubber, or nitrile. This valve prevents oil from draining out of the filter when the engine is off, ensuring immediate lubrication on startup. AC Delco filters are known for high-quality silicone anti-drain back valves that last longer than rubber. When using a cross-reference, ensure the substitute filter also has a reliable anti-drain back valve.

Filter Media and Efficiency

AC Delco filters use advanced synthetic or blended media that captures particles as small as 20-25 microns. Cross-reference filters may vary in media quality. For example, Fram Extra Guard and Bosch Premium use different media types. Understanding the efficiency rating (e.g., 95% at 20 microns) helps you choose a filter that provides comparable protection.

Popular AC Delco Oil Filter Models and Their Cross-References

Below is a detailed look at some of the most common AC Delco oil filter part numbers and their well-known equivalents. Remember that this **AC Delco Oil Filter Cross Reference** is a general guide; always confirm with the manufacturer's catalog or a trusted auto parts store.

AC Delco PF48

The PF48 is one of the most widely used AC Delco filters, found on many Chevrolet, GMC, and Buick vehicles from the 2000s onward, including the 5.3L V8 and 3.6L V6. Its cross-reference includes:

- Fram – PH10060 (similar specs but check gasket diameter)
- Mobil 1 – M1-212 (excellent synthetic option)
- Bosch – 72106 (premium choice with silicone anti-drain valve)
- Wix – 51348 / NAPA Gold 1348 (highly recommended for quality)
- Purolator – PL22500 (good budget alternative)

AC Delco PF63

Often used in newer GM trucks and SUVs (e.g., Chevrolet Silverado with the 6.2L V8), the PF63 is a slightly larger filter offering increased capacity. Cross-references include:

- Fram – PH997 (though Fram's Ultra design has a different bypass)
- Mobil 1 – M1-207 (fits and performs well)
- Bosch – 72109 (check gasket; may need shaving on some models)
- Wix – 51363 / NAPA Gold 1363

AC Delco PF2057

This is a smaller filter used in older GM engines, such as the 4.3L V6 and some 350 small blocks. Its cross-reference list:

- Fram – PH30
- Mobil 1 – M1-102
- Bosch – 72101
- Wix – 51057 / NAPA Gold 1057

AC Delco PF52

Found on many older GM vehicles, including the 5.7L V8. Equivalent filters:

- Fram – PH25
- Mobil 1 – M1-107
- Bosch – 72020
- Purolator – L14610

How to Use an AC Delco Oil Filter Cross Reference Chart

While online cross-reference tools are convenient, it's wise to double-check using a manufacturer's chart. Here’s a step-by-step approach:

1. Locate your current AC Delco part number – Look on the filter itself or in your owner's manual. Note the number (e.g., PF48, PF63).
2. Choose a trusted brand – Decide if you want a premium synthetic filter (e.g., Mobil 1, Bosch) or a budget option (e.g., Fram). Each brand has different tiers; for example, Fram offers Tough Guard, Ultra, and Extra Guard.

3. Compare specs manually – Verify thread size, gasket diameter, bypass valve pressure, and anti-drain back valve material. Many parts stores have a physical filter you can examine.

4. Check online databases – Use reputable sites like Wix's search tool, Fram's cross-reference, or automotive forums. However, avoid relying solely on generic charts — they may not account for recent design changes.

5. Read customer reviews – Real-world experiences can reveal fitment issues. For instance, some cross-reference filters may be slightly longer or wider, causing clearance problems in tight engine bays.

Why Choose an AC Delco Oil Filter?

AC Delco is the original equipment (OE) supplier for General Motors vehicles. This means that when you buy an AC Delco filter, you are getting a product that was designed specifically for your engine in terms of flow rate, filtration efficiency, and bypass valve settings. High-quality AC Delco filters, such as the Professional and Ultragrip series, feature durable cans, quality gaskets, and synthetic media. Some mechanics argue that using an **AC Delco Oil Filter Cross Reference**to switch to a cheaper brand can compromise engine protection if the substitute lacks similar build quality. However, if you select a premium substitute like Mobil 1 or Wix, the difference is often negligible.

The Cost Factor

AC Delco filters are reasonably priced, but sometimes a promotional sale on another brand makes cross-referencing worthwhile. Smart shoppers often use a cross-reference to buy in bulk or to take advantage of a multi-filter deal at a big-box store.

Common Pitfalls When Cross-Referencing AC Delco Filters

Even with a reliable **AC Delco Oil Filter Cross Reference**, mistakes can happen. Here are the most frequent errors:

- Ignoring bypass valve differences – Some aftermarket filters have a higher or lower bypass pressure, which can cause unfiltered oil to flow during cold starts or at high RPMs. Always check the pressure specs; AC Delco typically uses 8-11 PSI for standard filters.
- Using a filter that is too long – A longer filter may interfere with exhaust manifolds, steering components, or the chassis. The PF63 is longer than PF48; some cross-reference filters are even longer.
- Forgetting the anti-drain back valve – Cheap filters may use a rubber valve that hardens and fails quickly. For engines that sit for long periods, a defective anti-drain valve means dry starts and extra wear.
- Assuming all "compatible" filters are identical – A simple thread and gasket match does not guarantee identical oil flow path. Two filters can look the same but have different internal construction.

Tips for Selecting the Best AC Delco Substitute

To maximize engine protection when using an **AC Delco Oil Filter Cross Reference**, follow these guidelines:

1. Prioritize OEM-listed cross-references – Many filter manufacturers explicitly list AC Delco numbers in their catalogs. That indicates they have tested compatibility.

2. Choose a reputable brand – Wix, Mann, Mahle, Bosch, and Mobil 1 are known for high-quality filters that often exceed OE specs. Fram Ultra is also excellent, while basic Fram Extra Guard is adequate for normal service intervals.

3. Confirm the filter's recommended service interval – If you run synthetic oil with extended drain intervals (e.g., 10,000 miles), ensure the substitute filter is rated for that length. AC Delco's Ultragrip filters are often rated for up to 15,000 miles.

4. Buy from a reliable source – Counterfeit filters are a real problem, especially for popular numbers like PF48. Purchase from major retailers, auto parts stores, or the manufacturer's website.

Real-World Example: Cross-Referencing the AC Delco PF48 for a 2014 Chevy Silverado 1500

Consider a 2014 Chevy Silverado with the 5.3L EcoTec3 engine. The recommended filter is AC Delco PF48. Suppose you walk into a store and they are out of stock. Using a cross-reference, you pick up a Wix 51348. Both filters share the same gasket diameter (65mm) and thread size (3/4"-16). The Wix filter has a silicone anti-drain back valve and a bypass valve set at 8-11 PSI. It also features a slightly higher dirt-holding capacity. In this case, the substitution is excellent – the Wix filter may actually outperform the AC Delco PF48 in terms of media efficiency. However, if you had chosen a generic no-name brand, the result could differ.

Conclusion

Mastering the **AC Delco Oil Filter Cross Reference**empowers you to make informed decisions about your vehicle's filtration needs. Whether you are trying to save money, find an emergency replacement, or upgrade to a premium filter, cross-referencing is a practical skill. Always verify the critical dimensions and performance characteristics — particularly thread size, gasket diameter, bypass valve pressure, and anti-drain back valve quality. When in doubt, consult a professional mechanic or rely on manufacturer-specific charts. Remember that while a cross-reference can provide a suitable alternative, the best filter is the one that fits your engine perfectly and meets your oil change interval. By taking a few extra minutes to confirm compatibility, you ensure that your engine continues to run cleanly, efficiently, and for many miles to come.

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